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November 16, 2018

VIA ELECTRONIC FILING

Hon. David Jones, Chairman
c/o Sharla Dillon
Tennessee Public Utility Commission
502 Deaderick Street, 4th Floor
Nashville, TN 37243

RE: Petition of Tennessee-American Water Company Regarding the 2019 Investment and Related Expenses Under the Qualified Infrastructure Investment Program Rider, the Economic Development Investment Rider and the Safety and Environmental Compliance Rider, TPUC Docket No. 18-00120

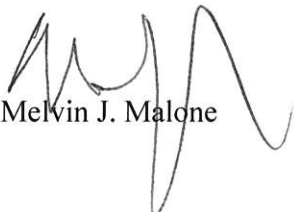
Dear Chairman Jones:

Pursuant to Tenn. Code Ann. § 65-5-103, *et seq.*, and the approved tariffs, as revised, in Tennessee Public Utility Commission Docket No. 13-00130, enclosed please find an electronic version of the *Petition of Tennessee-American Water Company Regarding the 2019 Investment and Related Expenses Under the Qualified Infrastructure Investment Program Rider, the Economic Development Investment Rider and the Safety and Environmental Compliance Rider* (the “*Petition*”), along with sworn testimony, exhibits and proposed tariffs. Set forth within the *Petition* is a request for the entry of a protective order in the same form applied in TPUC Docket No. 13-00130 and subsequent related cases. Accompanying the electronic version are an original and four (4) hard copies of the *Petition* and supporting documentation.

We have also enclosed a check in the amount of \$25.00 for the required filing fee. An extra copy of this cover letter is also enclosed to be file-stamped for our records. Should you have any questions concerning this filing, or require additional information, please do not hesitate to let me know.

Very truly yours,

BUTLER SNOW LLP


Melvin J. Malone

clw

Enclosures

cc: Vance Broemel, Assistant Attorney General, Consumer Protection and Advocate Division
Daniel Whitaker, Assistant Attorney General, Consumer Protection and Advocate Division

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**BEFORE THE TENNESSEE PUBLIC UTILITY COMMISSION
NASHVILLE, TENNESSEE**

**PETITION OF TENNESSEE-
AMERICAN WATER COMPANY
REGARDING THE 2019 INVESTMENT
AND RELATED EXPENSES UNDER
THE QUALIFIED INFRASTRUCTURE
INVESTMENT PROGRAM RIDER,
THE ECONOMIC DEVELOPMENT
INVESTMENT RIDER AND THE
SAFETY AND ENVIRONMENTAL
COMPLIANCE RIDER**

DOCKET NO. 18 - _____

PETITION

Pursuant to Tennessee Code Annotated § 65-5-103 *et seq.*, and the Tennessee Public Utility Commission's ("Commission" or "TPUC") approval of the Amended Petition in TPUC Docket No. 13-00130 on April 14, 2014, Tennessee-American Water Company ("Tennessee American," "TAWC" or "Company") submits this Petition regarding its qualifiable 2019 investment and related expenses. Consistent with the action of the Commission in TPUC Docket No. 13-00130, and the approved tariffs submitted therein, and consistent with the decisions of the Commission in the subsequent related cases, including TPUC Docket Nos. 14-00121, 15-00029, 15-00111, 16-00022, 16-00126 and 17-00020 and 17-00124¹ Tennessee American states as follows in support of this Petition:

¹ TPUC Docket No. 14-00121 is the matter in which TAWC submitted its first annual petition subsequent to the approval of the Capital Recovery Rider tariffs in TPUC Docket No. 13-00130. The Commission deliberated on the merits of the Company's petition in Docket No. 14-00121 on June 29, 2015, and TAWC submitted tariff filings compliant therewith on June 30, 2015 and August 28, 2015. *In Re: Petition of Tennessee-American Water Company for the Reconciliation of the 2015 Capital Riders*, TPUC Docket No. 15-00029, is the matter in which TAWC submitted its first petition in support of the reconciliation calculations for the Capital Recovery Riders subsequent to the approval of the Capital Recovery Rider tariffs in TPUC Docket No. 13-00130. The Commission deliberated on the merits of the Company's petition in Docket No. 15-00029 on October 19, 2015, and TAWC submitted a tariff filing compliant therewith on October 28, 2015.

I.

DESCRIPTION OF TENNESSEE AMERICAN

1. Tennessee American, a Tennessee corporation authorized to conduct a public utility business in the State of Tennessee, is a public utility as defined in Tenn. Code Ann. § 65-4-101, and provides residential, commercial, industrial and municipal water service, including public and private fire protection service, to Chattanooga and surrounding areas, including approximately 80,851 customers, that are subject to the jurisdiction of the Commission pursuant to Chapter 4 and Chapter 5 of Title 65 of the T.C.A. The rates for Tennessee American's North Georgia customers are not regulated by the Public Service Commission of the State of Georgia, but are instead regulated by this Commission.

TPUC Docket No. 15-00111 is the matter in which TAWC submitted its second annual petition subsequent to the approval of the Capital Recovery Rider tariffs in TPUC Docket No. 13-00130. The Commission deliberated on the merits of the Company's petition in Docket No. 15-00111 on March 14, 2016, and TAWC submitted a tariff filing compliant therewith on March 21, 2016. *In Re: Petition of Tennessee-American Water Company for the Reconciliation of the 2015 Capital Riders*, TPUC Docket No. 16-00022, is the matter in which TAWC submitted its second petition in support of the reconciliation calculations for the Capital Recovery Riders subsequent to the approval of the Capital Recovery Rider tariffs in TPUC Docket No. 13-00130. The Commission deliberated on the merits of the Company's petition in Docket No. 16-00022 on October 10, 2016, and TAWC submitted a tariff filing compliant therewith on October 14, 2016.

TPUC Docket No. 16-00126 is the matter in which TAWC submitted its third annual petition subsequent to the approval of the Capital Recovery Rider tariffs in TPUC Docket No. 13-00130. The Commission deliberated on the merits of the Company's petition in Docket No. 16-000126 on March 13, 2017, and TAWC submitted a tariff filing compliant therewith on March 17, 2017. *In Re: Petition of Tennessee-American Water Company for the Reconciliation of the 2016 Capital Riders*, TPUC Docket No. 17-00020, is the matter in which TAWC submitted its third petition in support of the reconciliation calculations for the Capital Recovery Riders subsequent to the approval of the Capital Recovery Rider tariffs in TPUC Docket No. 13-00130. The Commission deliberated on the merits of the Company's petition in Docket No. 17-00020 on August 15, 2017, and TAWC submitted a tariff filing compliant therewith on August 29, 2017.

TPUC Docket No. 17-00124 is the matter in which TAWC submitted its fourth annual petition subsequent to the approval of the Capital Recovery Rider tariffs in TPUC Docket No. 13-00130. The Commission deliberated on the merits of the Company's petition in Docket No. 17-000124 on April 9, 2018, and TAWC submitted a tariff filing compliant therewith on April 13, 2018. *In Re: Petition of Tennessee-American Water Company for the Reconciliation of the 2018 Capital Riders*, TPUC Docket No. 18-00022, is the matter in which TAWC submitted its fourth petition in support of the reconciliation calculations for the Capital Recovery Riders subsequent to the approval of the Capital Recovery Rider tariffs in TPUC Docket No. 13-00130. The Commission held a hearing on the merits of the Company's petition in Docket No. 18-00022 on September 11, 2018, and deliberations are pending.

2. Tennessee American is a wholly-owned subsidiary of American Water Works Company, Inc., which is the largest water holding company in the United States, providing water and wastewater services to fifteen (15) million people in forty-six (46) states, the District of Columbia and Ontario, Canada.

3. Tennessee American's principal place of business is located at 109 Wiehl Street, Chattanooga, Tennessee 37406.

4. All correspondence and communication with respect to this Petition should be sent to the following:

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II.

BACKGROUND

5. In 2013, the Tennessee General Assembly passed House Bill 191, which revised Tenn. Code Ann. § 65-5-103 to allow alternative regulatory methods and mechanisms that recover certain costs without convening a general rate case, as long as specific criteria are satisfied, including, but not limited to, the Commission making a finding, prior to approval, that such alternative methods and mechanisms are in the public interest.

6. On October 4, 2013, Tennessee American submitted a Petition (the “*October 2013 Petition*”) seeking approval of four (4) proposed alternative regulatory methods and mechanisms as permitted under Tenn. Code Ann. § 65-5-103 *et seq.* More specifically, the Company sought approval for a Qualified Infrastructure Investment Program Rider (“QIIP”),² an Economic Development Investment Rider (“EDI”),³ a Safety and Environmental Compliant Rider (“SEC”) ⁴ and a Pass-Throughs mechanism for Fuel, Purchased Power, Chemicals, Purchased Water, Wheeling Water Costs, Waste Disposal and TPUC Inspection Fee (“PCOP”).⁵⁶ One of the primary regulatory concepts underlying the then-proposed Capital Riders and PCOP

² The QIIP Rider is designed, in part, to mitigate regulatory lag, to accelerate the timeframe of essential infrastructure upgrades and replacements, and to produce a safer and more reliable water distribution and production system for ratepayers. Additionally, this mechanism has many other customer benefits and protections, including the lessening of the occurrence of “rate shock” associated with Base Rate increases.

³ The EDI Rider is designed, in part, to promote the public interest by supporting and enhancing Tennessee American’s ability to serve both growing and new businesses and by permitting the Company to prudently promote economic development, growth and expansion in its service area.

⁴ Generally, the SEC Rider supports the Company’s ability to serve the public interest by providing safe and reliable drinking water. The current regulatory environment, coupled with aging infrastructure, will require a larger investment in safety and environmental compliance not previously recognized in the Company’s rates. Hence, one of the benefits of this rider is avoiding “rate shock” by permitting smaller, more gradual rate increases over time.

⁵ The PCOP is designed to streamline the recovery process by permitting Tennessee American to recovery the largest non-labor related component of the Company’s operations and maintenance expenses in a more timely manner, as increases in these essential and non-discretionary expenses (such as chemicals and power) are outside the control of the Company’s management.

⁶ For ease of reference, the QIIP, the EDI and the SEC are referred to collectively herein as the “Capital Recovery Riders.”

was to allow, with the requisite safeguards to serve the public interest, smaller, gradual increases in rates and thereby lessen the occurrence of “rate shock.” One of the many benefits of this new, more streamlined recovery approach would be the likelihood of less frequent rate case filings.

7. On January 10, 2014, the Company and the Attorney General and Reporter for the State of Tennessee, through the Consumer Advocate and Protection Division (“CAPD” or “Consumer Advocate”), submitted a Stipulation in TPUC Docket No. 13-00130 (the “*Stipulation*”), resolving the contested issues presented and offering the *Stipulation* to the Commission for its review, consideration and approval. Considering the *Stipulation* and the supporting documentation as an Amended Petition, the Commission approved the Capital Riders and the PCOP on April 14, 2014.⁷

III.

THE APPROVED CAPITAL RECOVERY RIDERS, PCOP AND THIS PETITION

8. Detailed explanations of the Capital Recovery Riders and the PCOP, along with underlying supporting documentation, are set forth in the Direct, Rebuttal and Supplemental Testimony of Gary M. VerDouw in TPUC Docket No. 13-00130.⁸ Moreover, the Company’s revised tariff sheets setting forth the Capital Recovery Riders, the PCOP, and the regulatory safeguards related thereto, were submitted in TPUC Docket No. 13-00130 on March 25, 2014, and approved by the Commission as part of the Amended Petition on April 14, 2014 (hereinafter referred to as the “*Approved Tariffs*”).

9. In its April 14, 2014, deliberations in TPUC Docket No. 13-00130, the Commission determined, after a review of the evidentiary record, including the *Stipulation* and

⁷ *Transcript of Proceedings, In the Matter of Tennessee Public Utility Commission Conference*, TPUC Docket No. 13-00130, pp. 14-16 (April 14, 2014) (excerpt) (hereinafter “*Hearing Tr.*”).

⁸ The Testimony of CAPD Witness William H. Novak in TPUC Docket No. 13-00130 likewise aided in shaping the *Stipulation* and the Amended Petition as well.

the *Approved Tariffs*, that the proposed Capital Recovery Riders and the PCOP were reasonable and that the *Approved Tariffs* met the requirements of Tenn. Code Ann. § 65-5-103 *et seq.*⁹ As set forth in the *Approved Tariffs*, the Commission noted that the Capital Recovery Riders and the PCOP would not only accommodate a more timely recovery process for necessary costs and expenses, but also that these methods and mechanisms would further avoid the delay and expense commonly associated with full blown rate case proceedings.¹⁰ Finally, the Commission found that the Amended Petition to be in the public interest.¹¹

10. As set forth in the *Approved Tariffs*, on or before December 1 of each year, Tennessee American is required to file with the Commission its QIIP Rider projections for the upcoming calendar year in the manner, and with the accompanying support, required by the *Approved Tariffs* and the Commission. As contemplated in the *Approved Tariffs*, the QIIP Rider projections for the upcoming year will become effective January 1 and will be applied as an adjustment to Customers' bills for the remainder of the calendar year. On or before March 1 of each year, the Company will file with the Commission, in the manner, and with the accompanying support, required by the *Approved Tariffs* and the Commission, an annual reconciliation of the results of the operation of the QIIP Rider for the 12-month period between such annual adjustments. This Petition represents the anticipated "on or before December 1 filing" outlining TAWC's QIIP Rider projections for 2019.

11. As set forth in the *Approved Tariffs*, on or before December 1 of each year, Tennessee American is required to file with the Commission its EDI Rider projections for the upcoming calendar year in the manner, and with the accompanying support, required by the

⁹ *Hearing Tr.* at 14-16.

¹⁰ *Id.* at 15.

¹¹ *Id.*

Approved Tariffs and the Commission. As contemplated in the *Approved Tariffs*, the EDI Rider projections for the upcoming year will become effective January 1 and will be applied as an adjustment to Customers' bills for the remainder of the calendar year. On or before March 1 of each year, the Company will file with the Commission, in the manner, and with the accompanying support, required by the *Approved Tariffs* and the Commission, an annual reconciliation of the results of the operation of the EDI Rider for the 12-month period between such annual adjustments. This Petition represents the anticipated "on or before December 1 filing" outlining TAWC's EDI Rider projections for 2019.

12. As set forth in the *Approved Tariffs*, on or before December 1 of each year, Tennessee American is required to file with the Commission its SEC Rider projections for the upcoming calendar year in the manner, and with the accompanying support, required by the *Approved Tariffs* and the Commission. As contemplated in the *Approved Tariffs*, the SEC Rider projections for the upcoming year will become effective January 1 and will be applied as an adjustment to Customers' bills for the remainder of the calendar year. On or before March 1 of each year, the Company will file with the Commission, in the manner, and with the accompanying support, required by the *Approved Tariffs* and the Commission, an annual reconciliation of the results of the operation of the SEC Rider for the 12-month period between such annual adjustments. This Petition represents the anticipated "on or before December 1 filing" outlining TAWC's SEC Rider projections for 2019.¹²

13. In further support of its Petition, Tennessee American has simultaneously filed the following direct testimony, which is incorporated herein by reference:

¹² The PCOP differs from the Capital Riders in that it is based upon actual historical expense increases, rather than a forward-looking, projection mechanism. Pursuant to the *Approved Tariffs*, the historical period that will next be reviewed under the PCOP does not end until November 30, 2017. Therefore, the PCOP is not included within this Petition.

- (a) **Direct Testimony of Melissa L. Schwarzell**, which provides the underlying support for the calculation of the Capital Riders for 2019 and related issues and sponsors certain Tennessee American Exhibits;¹³
- (b) **Direct Testimony of Brent O'Neill**, which outlines the planned investment for the EDI and the SEC Riders for 2019 and sponsors certain Tennessee American Exhibits; and
- (c) **Direct Testimony of Kurt A. Stafford**, which outlines the planned investment for the QIIP Rider for 2019 and sponsors certain Tennessee American Exhibits.

14. As set forth and further explained in the Direct Testimony of Melissa L. Schwarzell, and consistent with TAWC's previously expressed position in *In Re: Tennessee-American Water Company's Response to Commission's Investigation of Impacts of Federal Tax Reform on the Public Utility Revenue Requirements*, TPUC Docket No. 18-00039, the Company is proposing in this Petition to use the federal Tax Cuts and Jobs Act of 2017 deferred revenue to offset the increase in the Capital Recovery Riders charges for average forecasted 2019 investment.

15. Tennessee American has filed simultaneously with this Petition the necessary tariffs.

16. In order to ensure the timely submission of relevant information in this matter, Tennessee American hereby requests the entry of a protective order similar to that approved in

¹³ TAWC Witness Melissa L. Schwarzell's testimony also includes an exhibit (**Petitioner's Exhibit – Annual Approved Tariffs – MLS**) that summarizes and reflects each of the annual approvals under the Capital Recovery Riders and demonstrates the progression of the approved Capital Recovery Riders.

TPUC Docket No. 13-00130. Such a proposed protective order is attached hereto as **EXHIBIT A.**

17. Tennessee American submits that the Petition, and its accompanying support documentation, are consistent with Tenn. Code Ann. § 65-5-103 *et seq.*, consistent with the action of the Commission on the Amended Petition in TPUC Docket No. 13-00130, consistent with the decisions of the Commission in TPUC Docket Nos. 14-00121, 15-00029, 15-00111, 16-00022, 16-00126, 17-00020 and 17-00124 and consistent with and serve the public interest. Therefore, this Petition and Tennessee American's associated tariffs should be approved.

WHEREFORE, Tennessee American respectfully requests:

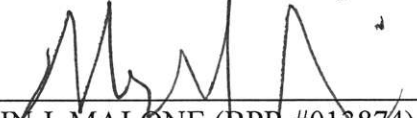
1. That the Commission approve this Petition and issue an order pursuant to Tenn. Code Ann. § 65-5-103 *et seq.* and consistent with the action of the Commission on the Amended Petition and subsequent related Commission decisions in TPUC Docket Nos. 14-00121, 15-00029, 15-00111, 16-00022, 16-00126, 17-00020 and 17-00124;
2. That the Commission approve the proposed Qualified Infrastructure Investment Program Rider changes as submitted herein;
3. That the Commission approve the proposed Economic Development Investment Rider changes as submitted herein;
4. That the Commission approve the proposed Safety and Environmental Compliance Rider changes as submitted herein;
5. That the Commission approve Tennessee American's tariffs, as submitted herein, as soon as is practicable;
6. That the Commission timely enter a protective order in this matter;

7. That the Commission approve the proposed use of the federal Tax Cuts and Jobs Act of 2017 deferred revenue to offset the increase in the Capital Recovery Riders charges for average forecasted 2019 investment.

8. That the Commission grant such other and/or further relief as may be warranted.

This the 16th day of November, 2018.

RESPECTFULLY SUBMITTED,



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(615) 651-6705

Attorneys for Tennessee-American Water Company

Dated: November 16, 2018

**BEFORE THE TENNESSEE PUBLIC UTILITY COMMISSION
NASHVILLE, TENNESSEE**

**PETITION OF TENNESSEE-)
AMERICAN WATER COMPANY)
REGARDING THE 2019 INVESTMENT)
AND RELATED EXPENSES UNDER)
THE QUALIFIED INFRASTRUCTURE)
INVESTMENT PROGRAM RIDER,)
THE ECONOMIC DEVELOPMENT)
INVESTMENT RIDER AND THE)
SAFETY AND ENVIRONMENTAL)
COMPLIANCE RIDER)**

DOCKET NO. 18-_____

PROTECTIVE ORDER

To expedite the flow of filings, discovery, exhibits and other materials, and to facilitate the prompt resolution of disputes regarding confidentiality of the material, adequately protect material entitled to be kept confidential and to ensure that protection is afforded only to material so entitled, the Hearing Officer, as appointed by the Tennessee Public Utility Commission (“TPUC”), hereby orders the following:

1. For the purpose of this Protective Order (the “Order”), proprietary or confidential information, hereinafter referred to as “CONFIDENTIAL INFORMATION” shall mean documents and information in whatever form which the producing party, in good faith, deems to contain or constitute trade secrets, confidential commercial information, confidential research, development, financial statements, confidential data of third parties, or other commercially sensitive information, and which has been specifically designated by the producing party. A “Producing Party” is defined as the party creating the confidential information as well as the party having actual physical possession of information produced pursuant to this Order. All summaries, notes, extracts, compilations or other direct or indirect reproduction from or of any

protected materials shall be entitled to protection under this Order. Documents containing CONFIDENTIAL INFORMATION shall be specifically marked as “CONFIDENTIAL” on the cover and each page of the document. Any document so designated shall be handled in accordance with this Order. The provisions of any document containing CONFIDENTIAL INFORMATION may be challenged under Paragraph 12 of this Order.

2. Any individual or company subject to this Order, including producing parties or persons reviewing CONFIDENTIAL INFORMATION, shall act in good faith in discharging their obligations hereunder. Parties permitted to intervene in this matter after the date of entry of this Protective Order shall be subject to the terms and conditions of this Protective Order and will be allowed access to CONFIDENTIAL INFORMATION under the conditions prescribed herein.

3. CONFIDENTIAL INFORMATION shall be used only for the purposes of this proceeding, and shall be expressly limited and disclosed only to the following persons:

(a) Counsel of record for the parties and other legal counsel for the parties in this case and associates, secretaries and paralegals actively engaged in assisting counsel of record in this proceeding;

(b) TPUC Directors and members of the staff of the TPUC;

(c) Officers, directors, or employees of the parties, including employees of intervenors and the Office of the Tennessee Attorney General; provided, however, that CONFIDENTIAL INFORMATION shall be shown only to those persons having a need to know;

(d) Representatives of the parties who need to know because they are actively engaged in assisting counsel of record in preparing for this proceeding; and

(e) Outside consultants and expert witnesses (and their Staff) employed or retained by the parties or their counsel, who need access to CONFIDENTIAL INFORMATION solely for evaluation, testing, testimony, preparation for trial or other services related to this docket, provided that to the extent that any party seeks to disclose CONFIDENTIAL INFORMATION to any outside consultant or expert witness, the party shall give five (5) days written notice to the Producing Party of intention to disclose CONFIDENTIAL INFORMATION. During such notice period, the Producing Party may move to prevent or limit disclosure for cause, in which case no disclosure shall be made until the TPUC or the Hearing Officer rules on the motion. Any such motion shall be filed within three (3) days after service of the notice. Any response shall be filed within three (3) days after service of the Motion. A Pre-Hearing Conference may be called to confer with the parties on the Motions to Limit Disclosure. All service shall be by hand delivery, facsimile or email. All filings by email in this docket shall be followed up by delivering a hard copy of the filing to the Docket Manager of the TPUC.

4. Notwithstanding the provisions in Paragraph 3 above, under no circumstances shall any CONFIDENTIAL INFORMATION be disclosed to or discussed with anyone associated with the marketing of products, goods, or services that may be in competition with the products, goods or services of the Producing Party. Counsel for the parties are expressly prohibited from disclosing CONFIDENTIAL INFORMATION produced by another party to their respective clients, except for in-house counsel and persons who need to know in order to assist counsel of record with preparation of this case.

5. (a) Prior to disclosure of CONFIDENTIAL INFORMATION to any employee or associate counsel for a party, the counsel representing the party who is to

receive the CONFIDENTIAL INFORMATION shall provide a copy of this Order to the recipient employee or associate counsel, who shall be bound by the terms of this Order. Prior to disclosure of CONFIDENTIAL INFORMATION to any outside consultant or expert witness employed or retained by a party, counsel shall provide a copy of this Order to such outside consultant or expert witness, who shall sign the Nondisclosure Statement in the form of that attached to this Order attesting that he or she has read a copy of this Order, that he or she understands and agrees to be bound by the terms of this Order, and that he or she understands that unauthorized disclosure of documents labeled “CONFIDENTIAL” constitutes a violation of this Order. The Nondisclosure Statement shall be signed in the presence of and be notarized by a notary public. Counsel of record for each party shall provide the Producing Party a copy of each such Nondisclosure Statement and shall keep the Nondisclosure Statements executed by the parties’ experts or consultants on file in their respective offices.

(b) Disclosure of CONFIDENTIAL INFORMATION other than as provided for in this Protective Order shall not be made to any person or entity except with the express written consent of the Producing Party or upon further order of the TPUC or of any court of competent jurisdiction.

6. If any party or non-party subject to this Order inadvertently fails to designate documents as CONFIDENTIAL in accordance with the provisions of this Order when producing the documents this failure shall not constitute a waiver of confidentiality, provided the party or non-party who has produced the document shall notify the recipient of the document in writing within five (5) days of discovery of such inadvertent failure to designate the document as CONFIDENTIAL. At that time, the recipients will immediately treat the subject document as

CONFIDENTIAL. In no event shall the TPUC, or any party to this Order, be liable for any claims or damages resulting from the disclosure of a document provided while not so labeled as “CONFIDENTIAL.” An inadvertent failure to designate a document as CONFIDENTIAL, shall not, in any way, affect the TPUC’s determination as to whether the document is entitled to CONFIDENTIAL status.

7. If any party or non-party subject to this Order inadvertently fails to designate documents as CONFIDENTIAL in accordance with the provisions of this Order when producing such documents and the failure is not discovered in time to provide a five (5) day notification to the recipient of the confidential nature of the documents referenced in the paragraph above, the failure shall not constitute a waiver of confidentiality and a party by written motion or by oral motion at a Pre-Hearing Conference or at the Hearing on the Merits may request designation of the documents as CONFIDENTIAL, and if the motion is granted by the Hearing Officer or the Commission, the recipients shall immediately treat the subject documents as CONFIDENTIAL. The Tennessee Public Utility Commission or the Hearing Officer may also, at his or her discretion, either before or during the Pre-Hearing Conference or Hearing on the Merits of the case, allow information to be designated CONFIDENTIAL and treated as such in accordance with the terms of this Order.

8. Any papers filed in this proceeding that contain, quote, paraphrase, compile or otherwise disclose documents covered by the terms of this Order, or any information contained therein, shall be filed and maintained in the TPUC Docket Room in sealed envelopes marked CONFIDENTIAL and labeled to reflect the style of this proceeding, the docket number, the contents of the envelope sufficient to identify its subject matter and this Protective Order. The envelopes shall be maintained in a locked filing cabinet. The envelopes shall not be opened or

their contents reviewed by anyone except upon order of the TPUC or the Hearing Officer after due notice to counsel of record. The filing party shall also include with the filing a public version of the papers with any CONFIDENTIAL INFORMATION redacted. The public version shall reflect the style of the proceeding, the docket number, the contents of the envelope sufficient to identify its subject matter and shall reference this Protective Order. Notwithstanding the foregoing, the Directors and the Staff of the TPUC may review any paper filed as CONFIDENTIAL without obtaining an order of the TPUC or the Hearing Officer provided the Directors and Staff maintain the confidentiality of the paper in accordance with the terms of this Order.

9. Documents, information and testimony designated as CONFIDENTIAL or PROTECTED SECURITY MATERIALS (as defined in Paragraph 20) in accordance with this Order, may be used in testimony at the Hearing of this proceeding and offered into evidence or used in any hearing related to this action in a manner that protects the confidentiality of the information, subject to the Tennessee Rules of Evidence and to such future orders as the TPUC or the Hearing Officer may enter. Any party intending to use documents, information, or testimony designated CONFIDENTIAL or PROTECTED SECURITY MATERIALS shall inform the Producing Party and the TPUC or the Hearing Officer prior to the Hearing on the Merits of the case, of the proposed use; and shall advise the TPUC or the Hearing Officer and the Producing Party before use of the information during witness examinations so that appropriate measures can be taken by the TPUC or the Hearing Officer to protect the confidential nature of the information.

10. Except for documents filed in the TPUC Docket Room, all documents covered by the terms of this Order that are disclosed to the requesting party shall be maintained separately in

files marked CONFIDENTIAL and labeled with reference to this Order at the offices of the requesting party's counsel of record, kept in a secure place and returned to the Producing Party pursuant to Paragraph 17 of this Order.

11. Nothing herein shall be construed as preventing any party from continuing to use and disclose any information (a) that is in the public domain, or (b) that subsequently becomes part of the public domain through no act of the party, or (c) that is disclosed to it by a third party, where said disclosure does not itself violate any contractual or legal obligation, or (d) that is independently developed by a party, or (e) that is known or used by it prior to this proceeding. The burden of establishing the existence of (a) through (e) shall be upon the party attempting to use or disclose the information.

12. Any party may contest the designation of any document or information as CONFIDENTIAL or PROTECTED SECURITY MATERIALS by filing a Motion with the TPUC or Hearing Officer as appropriate, for a ruling that the documents, information or testimony should not be so treated. Upon the filing of such a motion, the designating party shall bear the burden of supporting its designation of the documents or information at issue as CONFIDENTIAL INFORMATION. All documents, information and testimony designated as CONFIDENTIAL or PROTECTED SECURITY MATERIALS, however, shall be maintained as such until the TPUC or the Hearing Officer orders otherwise. A Motion to contest must be filed not later than fifteen (15) days prior to the Hearing on the Merits. Any Reply seeking to protect the status of CONFIDENTIAL INFORMATION or PROTECTED SECURITY MATERIALS must be received not later than ten (10) days prior to the Hearing on the Merits and shall be presented to the Commission at the Hearing on the Merits for a ruling.

13. Nothing in this Order shall prevent any party from asserting any objection to discovery other than an objection based upon grounds of confidentiality.

14. Non-party witnesses shall be entitled to invoke the provisions of this Order by designating information disclosed or documents produced for use in this action as CONFIDENTIAL, in which event the provisions of this Order shall govern the disclosure of information or documents provided by the non-party witness. A designation of information as CONFIDENTIAL by a non-party witness may be challenged under Paragraph 12 of this Order.

15. No person authorized under the terms herein to receive access to documents, information, or testimony designated as CONFIDENTIAL shall be granted access until such person has complied with the requirements set forth in Paragraph 5 of this Order.

16. Any person to whom disclosure or inspection is made in violation of this Order shall be bound by the terms of this Order.

17. Upon entry of a final order in this proceeding, and the conclusion of any appeals resulting therefrom, all the filings, exhibits and other materials and information designated CONFIDENTIAL or PROTECTED SECURITY MATERIALS and all copies thereof shall be returned to counsel for the party who produced (or originally created) the filings, exhibits and other materials, within fifteen (15) days. Notwithstanding any provision herein to the contrary, the requirement of this paragraph shall become operative immediately upon any intervenor who withdraws or otherwise ceases to be a party to the case, even though the case itself may continue to be pending. Subject to the requirements of Paragraph 8 above, the TPUC shall retain copies of information designated as CONFIDENTIAL or PROTECTED SECURITY MATERIALS as may be necessary to maintain the record of this case intact. Counsel who received the filings, exhibits and other materials, designated as CONFIDENTIAL or PROTECTED SECURITY

MATERIALS shall certify to counsel for the Producing Party that all the filings, exhibits and other materials, plus all copies or extracts, notes or memorandums from the filings, exhibits and other materials, and all copies of the extracts from the filings, exhibits and other materials thereof have been delivered to counsel for the Producing Party or destroyed and that with respect to any electronic copies of CONFIDENTIAL INFORMATION or PROTECTED SECURITY MATERIALS received or mentioned by the receiving party, all reasonable efforts have been undertaken to eliminate said information. If any electronic CONFIDENTIAL INFORMATION or PROTECTED SECURITY MATERIALS cannot be eliminated through the use of reasonable efforts, any such remaining materials shall be subject to the continuing restrictions contained in paragraph eighteen (18) of this Order.

18. After termination of this proceeding, the provisions of this Order relating to the confidential nature of CONFIDENTIAL INFORMATION or PROTECTED SECURITY MATERIALS, information and testimony shall continue to be binding upon parties herein and their officers, employers, employees, agents, and/or others unless this Order is vacated or modified or is supplanted by an order of the court or courts before which is pending a challenge to any order entered in this proceeding.

19. Nothing herein shall prevent entry of a subsequent order, upon an appropriate showing, requiring that any documents, information or testimony designated as CONFIDENTIAL shall receive protection other than that provided herein.

20. In addition to the other provisions of this Order, Tennessee American Water Company (“the Company”) may designate and label as “PROTECTED SECURITY MATERIALS” documents and information related to security measures undertaken to protect public health and safety. The Company shall provide access to PROTECTED SECURITY

MATERIALS to TPUC Directors and members of the staff of the TPUC and further only to authorized representatives of the Intervenors in this docket.

21. The Company shall provide access to an authorized representative to PROTECTED SECURITY MATERIALS only after such authorized representative has executed a Nondisclosure Statement in the form of that attached to this Order and provided a copy to the Company. Except, with consent of the Company: (i) access shall be at the offices of the Company or its counsel of record and under supervision of the Company; (ii) PROTECTED SECURITY MATERIALS shall not be removed from the offices of the Company or its counsel; (iii) no copies shall be provided to an authorized representative except as provided herein. Authorized representatives may make notes or memoranda from a review of the PROTECTED SECURITY MATERIALS and may remove such notes and memoranda. In all other respects such notes and memoranda shall remain PROTECTED SECURITY MATERIALS and subject to the provisions hereof. PROTECTED SECURITY MATERIALS shall be used only to assist TPUC staff or any other party to prepare for and to try this proceeding and shall not be used for any other purpose in this or any other jurisdiction.

22. Except as provided in this Order, the contents of PROTECTED SECURITY MATERIALS to which the TPUC staff or other party is given access, and any notes, memoranda, or any form or information or opinions regarding or derived from the PROTECTED SECURITY MATERIALS shall not be disclosed to anyone other than an authorized representative in accordance with the Order, except that an authorized representative may disclose his or her conclusions or findings solely within, and for the purposes of, this proceeding and in accordance with this Order. PROTECTED SECURITY MATERIALS shall not otherwise be published, disclosed or divulged except as expressly provided herein. The TPUC Directors,

TPUC staff and any other party shall treat all notes memoranda or opinions regarding or derived from the PROTECTED SECURITY MATERIALS as confidential and shall keep them in a secure location with access limited to an authorized representative, and the contents of PROTECTED SECURITY MATERIALS and any information derived from them shall be considered highly confidential, and shall not be deemed public records. The TPUC staff, any party, Hearing Officer, or the TPUC Directors may discuss any position or conclusion regarding security expenditures and testimony in briefs, orders, pleadings, or hearings in this proceeding without disclosing protected information to the public in accordance with this Order.

23. The Attorney General and his staff have authority to enter into Nondisclosure Agreements pursuant to Tenn. Code Ann. § 65-4-118 which are consistent with state and federal law, regulations and rules.

24. The Attorney General and his staff agree to keep CONFIDENTIAL INFORMATION in a secure place and will not permit them to be seen by any person who is not an employee of the State of Tennessee, the Office of Attorney General and Reporter, or a person who has not signed a Nondisclosure Agreement.

25. The Attorney General and his staff may make copies of CONFIDENTIAL INFORMATION or any portion thereof. To the extent permitted by state and federal law, regulations and rules, all notes utilizing supporting information shall be subject to the terms of this Order to the extent factual assertions are derived from the supporting information.

26. To the extent permitted by state law, the Attorney General will provide timely notice of filing or disclosure in the discharge of the duties of the Office of the Attorney General and Reporter, pursuant to Tenn. Code Ann. § 10-7-504(a)(5)(C) or any other law, regulation or rule, so that the Company may take action relating to disclosure.

27. CONFIDENTIAL INFORMATION is subject to this Protective Order, which is entered pursuant to the Tennessee Rules of Civil Procedure. If any person or entity subject to this Protective Order receives a request or subpoena seeking the disclosure or production of information labeled as “CONFIDENTIAL INFORMATION” by a party, such person or entity shall give prompt written notice to the TPUC Hearing Officer and the party within not more than five (5) days of receiving such a request, subpoena or order and: (i) shall respond to the request, subpoena or order, in writing, stating that the CONFIDENTIAL INFORMATION is protected pursuant to this Protective Order; and (ii) shall not disclose or produce such CONFIDENTIAL INFORMATION unless and until subsequently ordered to do so by a court of competent jurisdiction. This Protective Order shall operate as an exception to the Tennessee Public Records Act, as set forth in the language of Tenn. Code Ann. § 10-7- 503(a) “. . . unless otherwise provided by state law.” (See, e.g., Ballard v. Herzke, 924 S.W.2d 652 (Tenn. 1996); Arnold v. City of Chattanooga, 19 S.W.3d 779 (Tenn. Ct. App. 1999) (holding that “state law” includes the Tennessee Rules of Civil Procedure)). Because this Protective Order is issued pursuant to the Tennessee Rules of Civil Procedure, this Order creates an exception to any obligations of the Attorney General, including attorneys and members of their staff, as to the Public Records Act and other open records statutes as to CONFIDENTIAL INFORMATION. In the event that any court of competent jurisdiction determines in the course of a lawsuit brought as a result of a person’s or entity’s fulfillment of the obligations contained in this paragraph that information designated as “CONFIDENTIAL INFORMATION” by a party is not CONFIDENTIAL INFORMATION as defined in paragraph 1 of this Protective Order, then the party designating the information as “CONFIDENTIAL INFORMATION” shall be responsible for all costs associated with or assessed in the lawsuit. This Protective Order acknowledges the role and

responsibilities of the Attorney General and the Attorney General's staff, as set forth in Title 8, Chapter 6 of the Tennessee Statutes, beyond the duties associated with the Consumer Advocate and Protection Division, as prescribed in Tenn. Code Ann. § 65-4-118. This Protective Order is not intended to conflict with the Attorney General's role and responsibilities, especially the investigative functions, as set forth in Title 8, Chapter 6. For there to be compliance with this Protective Order, any CONFIDENTIAL INFORMATION shared outside of the Consumer Advocate and Protection Division must be provided the full and complete protection afforded other confidential or protected information in the control and custody of the Attorney General.

28. The designation of any information, documents or things in accordance with this Order as constituting or containing confidential or proprietary information the Attorney General's, or their respective staff's, treatment of such material as confidential or proprietary in compliance with this Order is not an admission or agreement by the Attorney General, or their respective staff, that the material constitutes or contains confidential commercial information or trade secret information and shall not be deemed to be either a waiver of the right to challenge such designation or an acceptance of such designation. The Company agrees to designate information, documents or things provided to the Attorney General as confidential commercial information or trade secret if it has a good faith basis for the claim. The Company will upon request of the Attorney General, or their respective staff, provide a written explanation of the details, including statutory authority, that support its confidential commercial information or trade secret claim within five (5) days of a written request. The Company also specifically agrees that it will not designate any documents as CONFIDENTIAL INFORMATION or label such documents as "CONFIDENTIAL" if the documents:

(a) have been distributed to the public, consumers or others, provided that proprietary customer information provided by the Company to its customers or their marketers may be designated as CONFIDENTIAL INFORMATION; or

(b) are not maintained by the Company as confidential commercial information or trade secrets or are not maintained by the Company as proprietary customer information.

29. Nothing in this Order shall prevent the Attorney General from using the CONFIDENTIAL INFORMATION received for investigative purposes in the discharge of the duties of the Office of the Attorney General and Reporter. Additionally, nothing in this Order shall prevent the Attorney General from informing state officials and third parties of the fact of an investigation, as needed, to conduct the investigation. Without limiting the scope of this paragraph, nothing in this Order shall prevent the Attorney General from contacting consumers whose names were provided by the Company or from discussing with any consumer any materials that he or she allegedly received from the Company or confirming that a consumer actually received the materials, to the extent that the Attorney General or his staff does so in a manner that complies with the provisions of this Order.

30. The terms of the foregoing paragraphs 23 through 29 do not apply to PROTECTED SECURITY MATERIALS as set forth in paragraphs 20-22 of this Order. PROTECTED SECURITY MATERIALS shall be treated in accordance with paragraphs 20-22.

31. All information, documents and things designated as CONFIDENTIAL INFORMATION or PROTECTED SECURITY MATERIALS and produced in accordance with this Order may be disclosed in testimony or offered into evidence at any TPUC or court hearing, trial, motion or proceeding of this matter, subject to the provisions of this Order, including

paragraph 9, and the applicable Rules of Evidence. The party who produced the information, documents and things designated as CONFIDENTIAL INFORMATION or PROTECTED SECURITY MATERIALS agrees to stipulate to the authentication of such information, documents and things in any such proceeding.

32. Nothing in this Order is intended to restrict or alter federal or state laws, regulations or rules.

33. Any person who has signed a Nondisclosure Statement or is otherwise bound by the terms of this Order shall continue to be bound by this Order and/or Nondisclosure Statement even if no longer employed or engaged by the TPUC or Intervenors.

**BEFORE THE TENNESSEE PUBLIC UTILITY COMMISSION
NASHVILLE, TENNESSEE**

**PETITION OF TENNESSEE-)
AMERICAN WATER COMPANY)
REGARDING THE 2019 INVESTMENT)
AND RELATED EXPENSES UNDER)
THE QUALIFIED INFRASTRUCTURE)
INVESTMENT PROGRAM RIDER,)
THE ECONOMIC DEVELOPMENT)
INVESTMENT RIDER AND THE)
SAFETY AND ENVIRONMENTAL)
COMPLIANCE RIDER)**

DOCKET NO. 18-_____

NONDISCLOSURE STATEMENT

I have reviewed the Protective Order entered in the above-captioned matter and agree to abide and be bound by its terms. I understand that unauthorized disclosure of information or documents labeled "CONFIDENTIAL" or "PROTECTED SECURITY MATERIALS" will be a violation of the Protective Order.

DATE

NAME

STATE OF _____)

COUNTY OF _____)

Personally appeared before me, _____, a Notary Public,
_____, with whom I am personally acquainted, who
acknowledged that he/she executed the within instrument for the purposes therein contained.

WITNESS my hand, at office, this _____ day of _____, _____.

NOTARY PUBLIC

My Commission Expires: _____

PETITIONER'S EXHIBIT MLS-1

TENNESSEE-AMERICAN WATER COMPANY, INC.

DOCKET NO. 18-_____

DIRECT TESTIMONY

OF

MELISSA L. SCHWARZELL

ON

**CHANGES TO THE QUALIFIED INFRASTRUCTURE INVESTMENT PROGRAM
RIDER, THE ECONOMIC DEVELOPMENT INVESTMENT RIDER, AND THE
SAFETY AND ENVIRONMENTAL COMPLIANCE RIDER**

SPONSORING PETITIONER'S EXHIBITS:

PETITIONER'S EXHIBIT SUMMARY – MLS

PETITIONER'S EXHIBIT – AVG IMPACT – MLS

PETITIONER'S EXHIBIT – QIIP 1 – MLS

PETITIONER'S EXHIBIT – QIIP 2 – MLS

PETITIONER'S EXHIBIT – EDI 1 – MLS

PETITIONER'S EXHIBIT – EDI 2 – MLS

PETITIONER'S EXHIBIT – SEC 1 – MLS

PETITIONER'S EXHIBIT – SEC 2 – MLS

PETITIONER'S EXHIBIT – ANNUAL APPROVED TARIFFS -- MLS

**PETITIONER'S EXHIBIT – CURRENT TARIFF SHEET NO. 12 – CAPITAL RIDERS --
MLS**

PETITIONER'S EXHIBIT – CURRENT TARIFF SHEET NO. 12 – RIDERS – MLS

PETITIONER'S EXHIBIT – PROPOSED TARIFF SHEET NO. 12 – RIDERS - MLS

1 **Q. PLEASE STATE YOUR NAME AND BUSINESS ADDRESS.**

2 A. My name is Melissa L. Schwarzell, and my business address is 1 Water Street, Camden,
3 NJ, 08102.

4 **Q. BY WHOM ARE YOU EMPLOYED AND IN WHAT CAPACITY?**

5 A. I am employed by American Water Works Service Company, Inc. ("Service Company").
6 Service Company is a wholly owned subsidiary of American Water Works Company, Inc.
7 ("American Water") that provides services to Tennessee-American Water Company
8 ("TAWC" of "Company") and its affiliates. My current role is Senior Director of
9 Regulatory Services.

10 **Q. HAVE YOU PREVIOUSLY FILED TESTIMONY BEFORE THIS OR ANY**
11 **OTHER COMMISSION?**

12 A. Yes. I have provided both oral and written testimony before the Kentucky Public Service
13 Commission. I have also sponsored testimony before the Public Utilities Commission of
14 Ohio and the Tennessee Public Utility Commission ("TPUC" or "Commission") in Docket
15 No. 12-00049.

16 **Q. PLEASE STATE YOUR EDUCATIONAL AND PROFESSIONAL**
17 **BACKGROUND.**

18 A. I earned a Bachelor of Science degree from Ohio State University. I am enrolled in
19 Temple University's Master of Business Administration program. I have completed
20 NARUC Utility Rate School and the IPU Advanced Regulatory Program.

21 I have been employed by Service Company since 2009. Prior to my current role, I
22 served as Director of Investor Relations from February 2016 to January 2017. In this role,
23 I supported American Water's relationship with its shareholders, by developing public

1 disclosures and communicating with institutional investors and equity analysts. From
2 December 2014 to February 2016, I served as Manager of Regulatory Policy, providing
3 research, communication, and business support on key water service issues and policy
4 solutions. From February 2011 to December 2014, I held increasing levels of responsibility
5 for rates and regulatory service to American Water's subsidiaries as a Financial Analyst
6 Rates I, Financial Analyst Rates II, and Rates and Regulatory Analyst III. Prior to this, I
7 began my career at American Water working as Executive Assistant to the Eastern Division
8 Vice President of Finance. In this role, I provided labor budgeting, as well as analysis of
9 labor costs, Service Company, revenues, and the general ledger.

10 Prior to joining American Water, I worked for the Bluegrass Area Agency on
11 Aging, supporting social services programs for senior citizens in Central Kentucky. From
12 2001 to 2003, I worked as a Financial and Administrative Assistant, providing
13 bookkeeping, as well as website and database development. In 2004 I was promoted to
14 Program Specialist.

15 **Q. WHAT ARE YOUR DUTIES AS SENIOR DIRECTOR OF REGULATORY**
16 **SERVICES?**

17 A. My duties in this position consist of reviewing, preparing and assisting in regulatory filings
18 and related activities for the regulated subsidiaries of American Water. My responsibilities
19 and my team's responsibilities include the preparation of written testimony, exhibits and
20 work papers in support of rate applications and other regulatory filings as well as responses
21 to data requests for Tennessee-American and its regulated utility affiliates.

1 **Q. WHAT IS THE PURPOSE OF YOUR TESTIMONY?**

2 A. The purpose of my testimony is to support the calculation of the 2019 Capital Recovery
3 Riders described in TAWC’s Petition. On April 14, 2014, the TPUC approved four new
4 alternative rate mechanisms for TAWC, effective April 15, 2014, in TPUC Docket No. 13-
5 00130. Three of these alternative rate mechanisms were capital program recovery riders,
6 commonly referred to as the “Capital Recovery Riders,” and one was for a rider for
7 Production Costs and Other Pass-throughs (“PCOP”). The three Capital Recovery Riders
8 are the only items included in this current Petition.

9 On June 29, 2015, the TPUC approved an adjustment to the three Capital Recovery
10 Riders for 2015 in Docket No. 14-00121 with some modifications to one of the Capital
11 Recovery Riders. Those modifications, set forth in the TPUC’s February 1, 2016, *Order*
12 *Granting, In Part, Denying, In Part, Petition*, have been incorporated into the current
13 Petition for an adjustment for 2019. Additionally, TAWC has included the corrections
14 made to the Capital Recovery Riders calculations in Docket No. 15-00111, Docket No. 16-
15 00022 and Docket No. 17-00020.¹

16 **Q. ARE YOU SPONSORING ANY EXHIBITS?**

17 A. Yes I am. I am sponsoring the following exhibits:

18 **Petitioner’s Exhibit -- Summary – MLS**
19 **Petitioner’s Exhibit – Average Impact – MLS**
20 **Petitioner’s Exhibit – QIIP 1 – MLS**
21 **Petitioner’s Exhibit – QIIP 2 – MLS**
22 **Petitioner’s Exhibit – EDI 1 – MLS**
23 **Petitioner’s Exhibit – EDI 2 – MLS**
24 **Petitioner’s Exhibit – SEC 1 – MLS**
25 **Petitioner’s Exhibit – SEC 2 – MLS**

^{1 1} See *Order Approving Petition As Amended*, TPUC Docket No. 15-00111 (May 16, 2016); *Pre-filed Testimony of TAWC Witness Linda C. Bridwell*, TPUC Docket No. 16-00022; and *TPUC Transcript of Proceedings*, TPUC Docket No. 16-00022 (Oct. 10, 2016); *Rebuttal Testimony of TAWC Witness Linda C. Bridwell*, TPUC Docket No. 17-00020 and *Order Approving Petition*, TPUC Docket No. 17-00124 (June 29, 2018).

Petitioner's Exhibit – Annual Approved Tariffs -- MLS
Petitioner's Exhibit – Current Tariff Sheet No. 12 – Capital Riders -- MLS
Petitioner's Exhibit – Current Tariff Sheet No. 12 – Riders – MLS
Petitioner's Exhibit – Proposed Tariff Sheet No. 12 – Riders - MLS

I will discuss these exhibits in further detail in my testimony below.

**Q. WERE THE PETITIONER'S EXHIBITS LISTED ABOVE PREPARED BY YOU
OR UNDER YOUR DIRECTION AND SUPERVISION?**

A. Yes.

**Q. WHAT WERE THE SOURCES OF THE DATA USED TO PREPARE THE
PETITIONER'S EXHIBITS LISTED ABOVE?**

A. The data used to prepare the exhibits was acquired from the books of account and business records of Tennessee American, the officers and associates of Tennessee American with knowledge of the facts based on their job responsibilities and activities, and other internal sources which I examined in the course of my investigation of the matters addressed in this testimony.

**Q. DO YOU CONSIDER THIS DATA TO BE RELIABLE AND OF A TYPE THAT IS
NORMALLY USED AND RELIED ON IN YOUR BUSINESS FOR SUCH
PURPOSES?**

A. Yes.

**Q. DO THE PETITIONER'S EXHIBITS LISTED ABOVE ACCURATELY
SUMMARIZE SUCH DATA AND THE RESULTS OF ANALYSIS USING SUCH
DATA?**

A. Yes, they do.

1 **Q. WHAT ARE THE THREE CAPITAL RECOVERY RIDERS APPROVED BY THE**
2 **TPUC?**

3 A. Pursuant to Tennessee Code Annotated Section 65-5-103 *et seq.*, the three Capital
4 Recovery Riders authorized in Docket No. 13-00130 are based on certain categories of
5 capital expenditures to cover the investment period of calendar year 2014. The first Capital
6 Recovery Rider is the Qualified Infrastructure Investment Program (“QIIP”) Rider. This
7 rider is designed to recover the costs associated with the capital investment made between
8 rate cases to replace aging infrastructure that is non-revenue producing. This means
9 infrastructure that does not produce additional revenues. Examples of infrastructure that
10 produces additional revenues are main extensions specifically for a new development, or
11 new services or meters for new customers. As outlined in Docket No. 13-00130, aging
12 water and wastewater infrastructure is a growing problem across the United States,
13 including Tennessee, which will require significant investments over the next few decades
14 to continue to provide clean and reliable water service. This rider helps TAWC address
15 the replacement of this critical, aging infrastructure. The QIIP Rider includes replacement
16 of existing infrastructure in the areas of mains, meters, services, hydrants, water treatment
17 equipment, pumping equipment, and tank painting.

18 The second Capital Recovery Rider is the Economic Development Investment
19 (“EDI”) Rider. This rider is primarily for the recovery of investment made in infrastructure
20 to assist in economic development in the communities and areas served by TAWC.
21 Communities across the country are competing for economic development opportunities
22 to provide growth in jobs, taxes, and overall quality of life for residents. This rider provides
23 an opportunity for TAWC to partner with the communities it serves to assist in economic

1 development. Additionally, unlike the QIIP Rider, the EDI Rider may include operating
2 expenses related specifically to economic development.

3 The third Capital Recovery Rider is the Safety and Environmental Compliance
4 (“SEC”) Rider. This rider is for the recovery of investment made to comply with safety
5 and environmental regulations since the previous rate case. TAWC, like other utilities, is
6 faced with increasing capital investment requirements to comply with safety and
7 environmental regulations. This rider assists TAWC in addressing those requirements.
8 Like the EDI Rider, the SEC Rider may include operating expenses that can be identified
9 as specifically for the new infrastructure under this rider.

10 An adjustment to those three Capital Recovery Riders was authorized by the
11 Commission in Docket No. 14-00121 to cover the investment period of the calendar year
12 2015. A second adjustment to the three Capital Recovery Riders was authorized in Docket
13 No. 15-00111 to cover the investment period of the calendar year 2016. A third adjustment
14 to the three Capital Recovery Riders was authorized in Docket No. 16-00126 to cover the
15 investment period of the calendar year 2017. A fourth adjustment to the three Capital
16 Recovery Riders was authorized in Docket No. 17-00124 to cover the investment period
17 of the calendar year 2018. The purpose of this Petition is to comply with the tariffs
18 approved in TPUC Docket No. 13-00130 and provide the required information and
19 supporting documentation for each of the Capital Recovery Riders based on the projected
20 investment period of 2019.

21 Attached to my testimony is Petitioner’s Exhibit Current Tariff Sheet No. 12—
22 Capital Riders – MLS, which is a copy of all three Capital Recovery Riders tariff sheets as
23 approved in TPUC Docket No. 13-00130, and as modified in TPUC Docket No. 14-00121

1 and as further clarified in TPUC Docket No. 15-00029, Docket No. 15-00111, Docket No.
2 16-00022, Docket No. 17-00020, and Docket No. 17-00124.

3 **Q. HOW IS THE PROCESS UNDER THE APPROVED CAPITAL RECOVERY**
4 **RIDERS DIFFERENT FROM THE PREVIOUS AND HISTORICAL**
5 **REGULATORY APPROACH WITH RESPECT TO INVESTMENT METHODS?**

6 A. As far as the projects and the investment into those projects are concerned, there isn't any
7 difference. The difference between the new riders and the future test year regulatory
8 approach that has been used by TAWC in rate cases is largely in the method and procedure
9 of filing, the deferral of full rate cases and the lessening of rate shock, and the multiple
10 benefits of the streamlined alternative mechanisms. If it were not for the new alternative
11 regulatory methods available to the Commission and the regulated community, TAWC
12 would likely have had to file a rate case in 2018 or earlier. These new methods have deferred
13 the need to file a full rate case, at least in the short term. These petitions should make the
14 regulatory process much more streamlined and less burdensome, without reducing effective
15 and meaningful regulatory oversight. As intended under the statute and approved by the
16 Commission, the whole process is more efficient, timely and much less expensive. There is
17 no doubt but that the alternative rate adjustment methods are working.

18 **Q. IN DOCKET NO. 14-00121, THE TPUC ORDERED CHANGES TO THE**
19 **ELIGIBLE ITEMS WITHIN THE EDI RIDER. ARE THE ITEMS EXCLUDED**
20 **BY THE COMMISSION EXCLUDED IN THIS PETITION?**

21 A. Yes. In Docket No. 14-00121, the TPUC made modifications to the eligible items within
22 the EDI Capital Recovery Rider, removing new services, new meters, and alternative fuel
23 vehicles. These changes were recognized in Docket No. 15-00111 and are reflected fully

1 in this Petition. TAWC has removed those items from the EDI for not only the current
2 review period of 2019, but also removed the previously authorized cumulative amounts of
3 such items in the EDI Rider from all the review periods of 2014, 2015, 2016, 2017, and
4 2018.

5 **Q. IN DOCKET 15-00029, THE TPUC ORDERED THAT GOING FORWARD, TAWC**
6 **SHOULD FILE WORKPAPERS IN A FORMAT THAT DOESN'T USE ARRAY**
7 **FORMULAS IN CALCULATIONS, AND FOLLOWS A CLEAR AUDIT TRAIL**
8 **FOR CALCULATIONS. HAS TAWC DONE THAT IN THIS FILING?**

9 A. Yes. TAWC prepared the files in an excel workbook similar to what was prepared in
10 Docket No. 13-00130 and Docket No. 14-00121. TAWC then prepared a "Proof"
11 worksheet in the excel file of the tabs that utilized array formulas for calculation, but went
12 through the calculations without array formulas. In the electronic version, the "Proof"
13 worksheets are found at the end of the excel workbook. There are also four reconciliation
14 worksheets that demonstrate the total additions, removals and retirements and a total
15 reconciliation for 2014, 2015, 2016, 2017, and 2018. Consistent with the directive, this
16 will provide a clear audit trail of the calculations.

17 **Q. ARE THERE OTHER CHANGES TO THE EXCEL WORKBOOK OR**
18 **CALCULATIONS FROM THE INITIAL FILES IN DOCKET NO. 17-00124?**

19 A. Yes. In addition to any corrections that were carried forward from previous dockets,
20 Tennessee American made three changes to the excel workbook to make it more user-
21 friendly. They are as follows:

22 1) Tennessee American updated the workbook for the 2019 forecasted numbers, actual
23 2017 capital expenditures from TPUC Docket No. 18-00022, and updated all formulas.

1
2 2) In TPUC Docket No. 17-00124, TAWC revised the filing to include the federal tax
3 expense reduction that resulted from the 2017 Tax Cuts and Jobs Act. TAWC also revised
4 the filing to apply to the lower federal tax rate to Accumulated Deferred Income Taxes
5 forecasted in the Capital Recovery Riders. The revised federal income tax rates have been
6 utilized again in this filing for both the income tax expense generated and the forecasted
7 Accumulated Deferred Income Taxes.

8 3) Tennessee American forecasted retirement and cost of removal amounts by NARUC
9 account based on the average actual retirements and cost of removal by account in 2015 –
10 2017. In Docket No. 17-00124, TAWC proposed a revised methodology to utilize the
11 actual retirements and cost of removal by account, using the most recent three year actual
12 average. This eliminated an estimate of those amount. This was applied to the 2019
13 forecast

14 Although these three changes may not translate well in verbal testimony, they will
15 aid any review of the Petition and the underlying supporting documentation.

16 **Q. CAN YOU EXPLAIN HOW THE EXCEL SPREADSHEET FILED WITH THIS**
17 **PETITION IS STRUCTURED TO PRESENT THE CALCULATIONS?**

18 A. Certainly. In TPUC Docket No. 16-00126, Tennessee American made some organizational
19 changes to improve the review process of the workpapers and exhibits. First, Tennessee
20 American added a “Workbook Info” worksheet to the excel workbook that gives a general
21 description of each worksheet in the workbook. This is the very first worksheet or tab in
22 the left-most position. This tab lists the purpose of each worksheet in the file and
23 essentially provides a table of contents.

1 Next, Tennessee American reorganized the tabs and color coded the tabs labelled at the
2 bottom of the workbook. There is a blank, blue coded tab labelled “Exhibits” that is to the
3 left of all of the exhibit tabs. The tabs for all of the exhibits are colored green in the label
4 at the bottom. There is a second blank, blue coded tab labelled “Workpapers” to the left
5 of all of the workpaper tabs which are color coded red. The workpaper tabs now start with
6 the 2019 calculations in the left-most position of the “Workpapers” section, with 2018,
7 2017, 2016, 2015 and 2014 tabs consecutively to the right. A third blank, blue colored tab
8 labelled “Reconciliations” is to the left and the start of all of the reconciliation tabs now
9 colored purple. Finally, there is a fourth blank, blue coded tab labelled “Proofs” to the left
10 of all of the proof tabs that are color coded yellow. This reorganization should help anyone
11 looking in the excel workbook to more easily locate the information they are seeking.

12 Third, any hard-coded numbers within the workbook are now colored in a blue font to
13 enable a reviewer to identify them easily and quickly. On the same tab as any blue hard
14 coded numbers, there will be a footnote at the bottom of the tab identifying the reference
15 and source of the number. This should make comparisons to previous filings a much faster
16 process.

17 Finally, in an effort to improve quality control, Tennessee American implemented
18 a process to audit the workbook. There are a number of places in the workpapers and
19 exhibits that now have a “tie-point” to verify that numbers are calculating accurately.
20 These tie-points will not be printed on the pdf pages but should streamline any review of
21 the calculations.

22 **Q. HOW HAS THE APPLICATION OF THE EDI RIDER BEEN DIFFERENT FROM**
23 **THE PREVIOUS INVESTMENT REGULATORY METHODS UTILIZED BY**

1 **TAWC PRIOR TO THE APPROVAL OF THE RIDERS IN TPUC DOCKET NO.**
2 **13-00130?**

3 A. In his testimony, Brent O'Neill discusses the individual projects included in the EDI Rider.
4 Without the EDI Rider, these projects may not have been as successful or potentially would
5 not have developed at all. Under its previous investment methods for development, TAWC
6 would have required the developers to pay for the relocation and replacement of assets,
7 thus increasing the upfront costs to them. Given the amount of the investment, coupled
8 with the growth, jobs, and other positive attributes attached to these projects, losing one or
9 more of the projects would have been a disappointment to the communities. These projects
10 demonstrate that the EDI Rider is an extremely valuable tool that can enhance a
11 community's ability to attract future economic development opportunities. Successes such
12 as these will help the area gain an upper hand in the vigorous competition among
13 communities, which ultimately benefits all of TAWC's customers. For instance, additional
14 water sales have the potential to offset the ongoing declining use that TAWC has
15 experienced, maintaining a water sales level close to authorized and thus contribute to
16 cover a portion of the Company's fixed expenses. This helps maintain lower rates to all of
17 our customers.

18 **Q. HOW IS THE SEC RIDER ALSO DIFFERENT FROM PREVIOUS INVESTMENT**
19 **METHODS THAT WERE AVAILABLE TO TAWC PRIOR TO THE APPROVAL**
20 **OF THE RIDERS IN TPUC DOCKET NO. 13-00130?**

21 A. The overall strategy is similar, but an important difference is that the investment is made
22 through a program that expressly delineates and highlights the reason needed for the
23 investment. To the extent that additional investments are made for safety and

1 environmental compliance measures under the SEC Rider, the purpose of the investment
2 will be more transparent to the customer and to the Commission.

3 **Q. DO THE CAPITAL RECOVERY RIDERS BENEFIT THE CUSTOMERS?**

4 A. Yes. The QIIP, the EDI and the SEC Riders are mutually beneficial to our customers, the
5 general public, and TAWC. The Qualified Infrastructure Program Rider, the Economic
6 Development Investment Rider, and the Safety and Environmental Compliance Rider, in
7 part, reduce the need for general rate cases, lessen the occurrence of consumer “rate shock,”
8 support the maintenance and improvement of essential infrastructure, support opportunities
9 for successful economic development, growth and job creation, ensure safety and
10 reliability, and allow for more efficient, streamlined regulation. The customers and the
11 public benefit from the safety and reliability components and from the more seamless and
12 timely capital investment in infrastructure, coupled with the related support to economic
13 development, growth and job creation. The Company benefits from a more efficient,
14 streamlined regulatory process that presents TAWC with the opportunity to timely recover
15 its expenses and earn a fair rate of return on its investments.

16 **Q. YOU MENTIONED THAT THE COMPANY BENEFITS FROM THE RIDERS**
17 **BECAUSE THE RIDERS PROVIDE THE COMPANY WITH THE**
18 **OPPORTUNITY TO TIMELY RECOVER ITS EXPENSES AND EARN A FAIR**
19 **RATE OF RETURN ON ITS INVESTMENTS. CAN YOU ELABORATE ON**
20 **THIS?**

21 A. Certainly. The Capital Recovery Riders permit TAWC to recover the cost of capital
22 investment between rate cases in an efficient, streamlined regulatory process. As outlined
23 in my testimony, each year Tennessee American estimates or forecasts the amount of

1 qualified capital investment (QIIP), infrastructure investment and eligible expenses (EDI)
2 and safety and environmental compliance investment and eligible expense (SEC) that it
3 expects to spend for the upcoming calendar year, in this Petition for 2019. The Company
4 will then calculate what it costs to recover the expenditures associated with such forecasted
5 capital investment and expenses. For example, if the Company were to invest \$1 million
6 dollars on a QIIP project in the forecast year, the Company would not recover that entire
7 \$1 million that year. Rather, it will only recover a return on that investment (which includes
8 a weighted return on equity and interest on debt as authorized in the most recent rate case),
9 as well as depreciation expense and taxes. After it calculates what it costs to recover the
10 expenditures associated with the forecasted capital investment and expenses, Tennessee
11 American then determines – through a second calculation – the percentage of the costs to
12 recover those expenditures as an amount of the overall revenue authorized in the last rate
13 case. This is the surcharge amount. The surcharge then represents recovery for the costs
14 to support the capital investments. So, under the Capital Recovery Rider tariffs as
15 approved, the monthly surcharge over 12 months in the forecasted year would represent
16 the annual recovery of the cost to support the capital investment.

17 **Q. BEFORE THE TPUC APPROVED THE CAPITAL RECOVERY RIDERS, WHAT**
18 **PROCESS DID TAWC USE TO RECOVER THE EXPENSES ASSOCIATED**
19 **WITH CAPITAL INVESTMENT AND HAVE THE OPPORTUNITY TO EARN A**
20 **FAIR RETURN?**

21 A. Regulated utilities cannot increase their rates in Tennessee without approval of the TPUC,
22 which prior to the passage of the alternative regulation statute required a full rate case
23 filing. So, TAWC employed rate cases for appropriate recovery.

1 **Q. IS THERE A DRAWBACK TO RATE CASES?**

2 In part, this goes back to my earlier testimony concerning the benefits of the Capital
3 Recovery Riders to the public. Further, regulated utilities continue to invest money in
4 infrastructure (utility plant) and expenses may continue to increase in between rate cases.
5 This “regulatory lag” lessens the opportunity for the Company to earn its authorized return
6 on equity.

7 **Q. CAN YOU EXPLAIN THE CALCULATION OF THE CAPITAL RECOVERY**
8 **RIDERS?**

9 A. Certainly. As set forth in the approved tariffs, all three Capital Recovery Riders are
10 established on an annual prospective basis utilizing average end-of-month balances and
11 should reflect only those qualified plant additions installed after the conclusion of the initial
12 rate year in Docket No. 12-00049. Consistent with the tariffs, the qualified plant additions
13 are reduced by the projected retirements associated with the Capital Recovery Rider
14 additions in the calculation of applicable depreciation and property tax expense. As
15 discussed earlier in my testimony, the EDI and SEC Riders can be increased by the
16 appropriate operating expenses. However, TAWC has not included any operating expenses
17 for the EDI or SEC riders in this Petition. In this case, Tennessee American has proposed
18 to begin the attrition period for each of the Capital Recovery Riders on January 1, 2019,
19 ending December 31, 2019. This annual review period was established in the tariffs
20 submitted on March 25, 2014, and approved in Docket No. 13-00130 on April 14, 2014.

21 The tariffs also established a reconciliation period for each of the Capital Recovery
22 Riders, which will occur 60 days after the close of the attrition period. The attrition period
23 in Docket No. 13-00130 was for January 1, 2014 through December 31, 2014. The

1 reconciliation for that filing was made in Docket 15-00029 on March 1, 2015. The attrition
2 period in Docket No. 14-00121 is for January 1, 2015 through December 31, 2015, and the
3 reconciliations were filed on March 1, 2016 in Docket No. 16-00022. The attrition period
4 in Docket No. 15-00111 was for January 1, 2016 through December 31, 2016 and the
5 reconciliations were filed on March 1, 2017 in Docket No. 17-00020. The attrition period
6 in Docket No. 16-00126 was for January 1, 2017 through December 31, 2017 and the
7 reconciliation was filed by March 1, 2018 in Docket No. 18-00022. The attrition period in
8 Docket No. 17-00124 was for January 1, 2018 through December 31, 2018 and the
9 reconciliation will be filed by March 1, 2019. Based upon the process outlined in the tariffs
10 and clarified in Docket No. 14-00121, the reconciliations are not, and were not intended to
11 be, a part of this Petition.

12 As approved, the Capital Recovery Riders are cumulative and remain in place until
13 reset back to zero at the conclusion of the Company's next rate case filing, at which point
14 the capital costs, depreciation and taxes, and any other operating expenses approved and
15 previously recovered through the Capital Recovery Riders are then subsumed within Base
16 Rates.

17 **Q. CAN YOU DISCUSS DETAILS OF THE OPERATION OF THE CAPITAL**
18 **RECOVERY RIDERS NOT ADDRESSED ABOVE?**

19 A. Yes. TAWC utilizes an annual prospective approach to the utility plant additions that
20 qualify for recovery through the Capital Recovery Riders. The Capital Recovery Riders
21 provide for the recovery of revenue sufficient to cover the capital cost, depreciation and
22 tax expense related to the projected investment in qualified utility plant. These costs
23 consider the effects of associated retirements ("Net Plant"), Contributions in Aid of

1 Construction (“CIAC”), and Cost of Removal Spending net of Salvage value for the
2 attrition period. To determine the rate of return recovery, an average of the month-end
3 balances of new utility plant in service is calculated, less $\frac{1}{2}$ of the anticipated annual
4 associated CIAC, plus $\frac{1}{2}$ of the anticipated annual associated cost of removal net of salvage
5 spending, to derive the “Net Plant” amount. As discussed in Docket No. 16-00022, in the
6 first year TAWC used a 12-month average to calculate the Capital Recovery Riders,
7 representing all of the activity within the 12 months of the attrition period. Beginning in
8 the second year, TAWC used a 13-month average from the end of the previous year through
9 the end of the attrition period. The current approved pre-tax rate of return (“PTR”) is
10 applied to this net amount to determine the revenue requirement of the rate base portion.
11 The PTR is calculated from the weighted common equity and preferred equity, grossed up
12 to include state and federal taxes, plus the weighted cost of long-term debt and the weighted
13 cost of short-term debt. Next, the annual depreciation expense of the additional Net Plant
14 is calculated (“NetDep”), utilizing the current TPUC approved depreciation rates by
15 account and then added. From there, incremental new property and Franchise taxes
16 (“PFT”) is added. For the EDI Rider and SEC Rider, additional operating expenses would
17 be added as appropriate. The sum of these components are grossed up to include the
18 recovery of the associated additional Gross Receipts taxes, Uncollectible expense, and
19 forfeited discounts (“RT”) to derive the final revenue requirement. Then, any over or under
20 Capital Recovery Rider collection of prior periods would be added or subtracted as
21 applicable (“R”). The over or under Capital Recovery Rider adjustment is pending in
22 Docket No. 18-00022 and is not included as part of this Petition. This total is then divided
23 by the authorized annual level of general metered service and private fire service customer

1 revenues (“PAR”) from the prior docket (Docket No. 12-00049), i.e. not including any
2 other revenues, to render each of the new Capital Recovery Rider percentages.

3 **Q. YOU MENTION THAT THE OVER/UNDER RECONCILIATION IS NOT**
4 **INCLUDED IN THIS PETITION. CAN YOU EXPLAIN WHY NOT?**

5 A. Yes. The authorized tariff specifies the forecasted adjustments for new investment, by
6 December 1, to be effective January 1. The reconciliation factor is to be filed by March 1,
7 to be effective April 1 to December 31 only each calendar year. The first reconciliation
8 adjustment was authorized on October 19, 2015 to be effective November 1 through
9 December 31, 2015 in Docket No. 15-00029. The second reconciliation adjustment was
10 authorized on October 10, 2016 in Docket No. 16-00022 to be effective October 11, 2016
11 through December 31, 2016. The third reconciliation adjustment was authorized on August
12 15, 2017 in Docket No. 17-00020 to be effective August 16, 2017 through December 31,
13 2017. The fourth reconciliation adjustment was filed in Docket No. 18-00022 and is
14 pending before the TPUC. This petition is intended to adjust the Capital Recovery Riders
15 for investment in 2019. The calculation includes the cumulative investment for rider for
16 2014, 2015, 2016, 2017, and 2018. In this petition, TAWC has included the actual
17 investment for each rider in 2014, 2015, 2016 and 2017. The reconciliation to be filed by
18 March 1, 2019 will apply as a true-up for the actual 2018 calendar year investment and
19 revenues, including any over/under collection of the reconciliation approved in 18-00022.
20 Therefore, it is not appropriate or necessary to include a reconciliation in the calculation
21 included in this Petition.

1 **Q. HAVE YOU INCLUDED THE CALCULATION OF THE THREE CAPITAL**
2 **RECOVERY RIDERS IN THE PETITION?**

3 A. Yes. I have attached an exhibit that reflects the calculation of each of the three Capital
4 Recovery Riders by project. A summary is attached to my testimony as **Petitioner's**
5 **Exhibit Summary - MLS**. The detailed calculations are attached in six exhibits to my
6 testimony as **Petitioner's Exhibit QIIP 1 – MLS**, **Petitioner's Exhibit QIIP 2 – MLS**,
7 **Petitioner's Exhibit EDI 1 – MLS**, **Petitioner's Exhibit EDI 2 – MLS**, **Petitioner's**
8 **Exhibit SEC 1 – MLS**, and **Petitioner's Exhibit SEC 2 – MLS**. The calculations are
9 consistent with the calculations that were made in the approved tariff in Docket No. 13-
10 00130, Docket No. 14-00121, Docket No. 15-00111, Docket No. 16-00126 and Docket
11 No. 17-00124. Further, to assist in the streamlined regulatory process, TAWC is including
12 with the Petition its detailed work-papers supporting the calculation of the three Capital
13 Recovery Riders. Again, these work-papers are consistent with the calculations made to
14 support the approved tariff in Docket No. 13-00130, Docket No. 14-00121, Docket No. 15-
15 00111, Docket No. 16-00126, and again in Docket No. 17-00124. The workpapers are also
16 consistent with the calculations made to support the reconciliations in TPUC Docket No.
17 15-00029, TPUC Docket No. 16-00022, TPUC Docket No. 17-00020 and TPUC Docket
18 No. 18-00022.

19 **Q. HAS TAWC INCLUDED DETAILED INFORMATION REGARDING THE**
20 **PROJECTS THAT MAKE UP EACH OF THE PROPOSED CAPITAL**
21 **RECOVERY RIDERS?**

22 A. Yes. Company Witness Brent O'Neill and Kurt Stafford will discuss the details regarding
23 the proposed capital expenditures included in the QIIP, EDI and SEC Riders for 2019.

1 **Q. HOW ARE THE QIIP, EDI, AND SEC RIDER REVENUES RECOVERED?**

2 A. The QIIP, EDI and SEC Riders are expressed as a percentage. The current tariff Ninth
3 Revised Sheet No. 12 – Riders – 1 is attached to my testimony as **Petitioner’s Exhibit**
4 **Current Tariff Sheet No. 12 – Riders – MLS**, and the proposed tariff sheet Tenth
5 Revised Sheet No. 12 – Riders - 1 is attached to my testimony as **Petitioner’s Exhibit**
6 **Proposed Sheet No. 12 – Riders – MLS**. They are each applied to the total amount billed
7 to each customer under the otherwise applicable rates and charges for basic service,
8 metered usage charges, and private fire charges, and are applied prior to the inclusion of
9 any other taxes, charges, or surcharges. All three Capital Recovery Riders are combined
10 into one line item on the bill of each customer.

11 **Q. HAS TAWC INCLUDED A CHART SHOWING THE PROGRESSION OF THE**
12 **APPROVED RIDERS IN EACH DOCKET SINCE THE LAST RATE CASE?**

13 A. Yes. I have included a chart reflecting each of the annual approvals with its filing. This is
14 shown as **Petitioner’s Exhibit – Annual Approved Tariffs – MLS**.

15
16 **Q. WHAT WILL HAPPEN TO THE CAPITAL RECOVERY RIDERS UPON**
17 **APPROVAL OF NEW RATES IN A RATE CASE PROCEEDING?**

18 A. The QIIP, EDI, and SEC Riders will all be reset to zero as of the effective date of the new
19 Base Rates, which Base Rates then provide for the recovery of the annual costs that had
20 theretofore been recovered through the Capital Recovery Riders. Thereafter, and
21 consistent with the tariffs, only the new QIIP, EDI, and SEC Rider qualified plant additions
22 and expenses not previously included in rate base and Base Rates will be reflected in the
23 future filings subject to TPUC Approval.

1 **Q. WHAT COST OF CAPITAL IS UTILIZED IN THE FORMULA OF THE**
2 **CAPITAL RECOVERY RIDERS?**

3 A. The cost of capital is the established rate of return (on a pre-tax basis) in the Company's
4 immediately preceding Base Rate case Order, currently TPUC Docket No. 12-00049.

5 **Q. WHAT DEPRECIATION RATES ARE USED TO DETERMINE THE**
6 **DEPRECIATION EXPENSE RECOVERED BY THE QIIP, EDI AND SEC**
7 **RIDERS?**

8 A. The depreciation rates last approved by the TPUC in Docket 12-00049 for the respective
9 plant accounts in which the specific items of qualified infrastructure under each rider are
10 recorded are the depreciation rates used to determine the depreciation expense. New
11 depreciation rates would be used only after depreciation rates are changed during a general
12 rate proceeding. These are the rates that were used in Docket Nos. 13-00130, 14-00121,
13 15-00029, 15-00111, 16-00022, 16-00126, 17-00020, 17-00124 and 18-00022.

14 **Q. WHAT PROPERTY TAX RATE IS USED TO DETERMINE THE PROPERTY**
15 **TAX EXPENSE RELATED TO THE ADDITIONAL INVESTMENT TO BE**
16 **RECOVERED BY THE QIIP, EDI AND SEC RIDERS?**

17 A. The property tax rate is based on the proportion of property taxes authorized in Docket No.
18 12-00049 to the utility plant in service, multiplied by the additional utility plant less
19 retirements. This is the same rate used in Docket Nos. 13-00130, 14-00121, 15-00029, 15-
20 00111, 16-00022, 16-00126, 17-00020, 17-00124 and 18-00022.

1 **Q. WHAT IS THE FEDERAL INCOME TAX RATE USED TO DETERMINE THE**
2 **APPROPRIATE INCOME TAX EXPENSE RELATED TO THE ADDITIONAL**
3 **REVENUES GENERATED BY THE QIIP, EDI AND SEC RIDERS?**

4 A. As noted previously, TAWC has revised the federal income tax rate to 21% based on the
5 2017 Tax Cuts and Jobs Act.

6 **Q. HOW ARE BASE RATE ANNUAL REVENUES DETERMINED FOR THE QIIP,**
7 **EDI AND SEC RIDERS?**

8 A. The projected annual revenues will be the authorized water services revenues from the last
9 case, Docket No. 12-00049, including all service charges and volumetric charges for all
10 classes that are subject to the Capital Recovery Riders. These are the same annual revenues
11 used in Docket Nos. 13-00130, 14-00121, 15-00029, 15-00111, 16-00022, 16-00126, 17-
12 00020, 17-00124 and 18-00022.

13 **Q. HAS TENNESSEE AMERICAN INCLUDED ANY OPERATING EXPENSES IN**
14 **THE CURRENTLY PROPOSED EDI RIDER OTHER THAN THE**
15 **DEPRECIATION AND TAX EXPENSES?**

16 A. No. In the tariffs approved in Docket No. 13-00130, TAWC included expenses related to
17 specific economic development within the community as a component of the EDI Rider
18 and operating expenses related to specific investment in the SEC Rider. However, in
19 Docket No. 14-00121, the operating expenses related specifically to TAWC contributions
20 to economic development agencies were not approved by the TPUC. In that same Docket,
21 TAWC removed proposed SEC Rider operating expenses, as those expenses would be
22 captured in the PCOP. Other types of operating expenses related to economic development
23 or the SEC Rider are not included in this current Petition, but TAWC will continue to

1 review and evaluate potential and appropriate operating expenses for the EDI and SEC
2 Riders and submit them for consideration as appropriate.

3 **Q. HAS TENNESSEE AMERICAN INCLUDED ANY OPERATING EXPENSES IN**
4 **THE CURRENTLY PROPOSED SEC RIDER OTHER THAN THE**
5 **DEPRECIATION AND TAX EXPENSES?**

6 No.

7 **Q. COULD THE AMOUNT OF INVESTMENT RIDER REVENUES COLLECTED**
8 **FROM TENNESSEE AMERICAN'S CUSTOMERS VARY FROM THE ACTUAL**
9 **AMOUNT OF REVENUE NEEDED TO COVER A RETURN OF AND A RETURN**
10 **ON THE COMPANY'S QIIP, EDI AND SEC RIDER INFRASTRUCTURE**
11 **INVESTMENT AND TAXES?**

12 A. Yes. This would occur as a result of a difference between the actual and the allowed water
13 operating revenues upon which the Capital Recovery Riders are based.

14 **Q. AS A REGULATORY SAFEGUARD TO CONSUMERS AND TO SERVE THE**
15 **PUBLIC INTEREST, DOES EACH OF THE CAPITAL RECOVERY RIDERS**
16 **INCLUDE A RECONCILIATION MECHANISM IN THE EVENT THAT THE**
17 **LEVEL OF INVESTMENT, EXPENSE, OR REVENUE APPROVED VARIES**
18 **FROM THE ACTUAL COSTS?**

19 A. Yes. As discussed earlier, the QIIP, EDI and SEC Riders are all subject to an annual
20 reconciliation or true-up in which the revenue received under each of the Capital Recovery
21 Riders for the reconciliation period will be compared to the revenue necessary for the
22 Company to recover its return of and return on investment plus taxes, for that QIIP, EDI
23 and SEC Rider year. Any over or under recovery will be included in the calculation of the

1 next adjustment to the QIIP, EDI and SEC Riders. For the reason I stated earlier, the
2 reconciliation is not part of the currently proposed change to the QIIP, EDI or SEC Riders.
3 The Capital Recovery Rider reconciliations for the period ending December 31, 2018, will
4 be submitted on March 1, 2019.

5 **Q. HOW DOES THE RECONCILIATION WORK?**

6 A. Consistent with the approved tariffs, Tennessee American will file a reconciliation for all
7 three Capital Recovery Riders no later than March 1, 2019. There are actually two steps
8 to the reconciliation. The first is an adjustment for budget to actual investment. This is a
9 regulatory oversight and public interest component of the mechanism that results in a true-
10 up if the investment does not occur (up or down) as forecasted. The second is an adjustment
11 for the over or under recovery of revenues as projected, including interest. In this way, the
12 consumers are protected if sales exceed the amount authorized in the previous rate case
13 proceeding. This could occur if there is a significant amount of customer growth, or if dry
14 and hot conditions occur in any given year. This second adjustment also allows TAWC to
15 adjust if sales are less than the amount authorized in the last case, as could occur with
16 declining usage that TAWC has experienced in recent years. The reconciliation
17 percentage, pending approval by April 1, 2019, as contemplated in the tariffs, will be
18 applied to customer bills for 9 months in 2019.

19 Finally, there is also a consumer safeguard in the reconciliation process that reviews
20 the earnings for Tennessee American during the attrition period. If it is determined that
21 Tennessee American earned a rate of return above the authorized amount from the previous
22 rate case during the attrition period, the amount above the authorized is an adjustment to

1 the customers, with interest. This could occur if sales exceed the amount authorized in the
2 previous rate case as well.

3 **Q. YOU ALSO INDICATED THAT TAWC HAS NOT FILED ANYTHING IN THIS**
4 **PETITION TO INCLUDE THE RECONCILIATION OF THE PRODUCTION**
5 **COSTS AND OTHER PASS-THROUGHS RIDER. WHY IS TAWC NOT**
6 **INCLUDING THE PCOP RECONCILIATION IN THIS PETITION?**

7 A. The PCOP differs from the Capital Recovery Riders, in that at the end of a year, it looks at
8 the historical period and compares the actual production expenses to the amount of
9 production expenses authorized in the previous rate case. It then applies an adjustment
10 over the next year to account for any differences between the two amounts, either over or
11 under the authorized amount. The first review period for the approved PCOP analyzed the
12 amount of production expenses in the attrition year from the previous rate case, which was
13 December 1, 2012 to November 30, 2013 compared to the actual amount of production
14 expenses that occurred between December 1, 2012 and November 30, 2013. The expenses
15 in the attrition period were actually less than authorized in the case, so under the approved
16 PCOP, TAWC applied a credit adjustment to customers.

17 The subsequent period approved for review in the tariff is defined as the twelve
18 months subsequent to the attrition period, and every twelve-month period after that.
19 Docket No. 15-00001 looked at the review period for the PCOP from December 1, 2013
20 through November 30, 2014. Docket No. 15-00131 looked at the review period for the
21 PCOP from December 1, 2014 through November 30, 2015. Docket No. 16-00148 looked
22 at the review period for the PCOP from December 1, 2015 through November 30, 2016.
23 Docket No. 18-00009 looked at the review period for the PCOP from December 1, 2016

1 through November 30, 2017. The next review period for the PCOP will be December 1,
2 2017 through November 30, 2018. Because that review period is not complete, there is
3 nothing regarding the PCOP in this Petition. TAWC anticipates filing the reconciliation
4 of the PCOP in a separate petition.

5 **Q. WILL THE PCOP HAVE A TWO-STEP RECONCILIATION PROCESS?**

6 A. Yes. Similar to the Capital Recovery Riders, the PCOP reconciliation has 1) a
7 reconciliation of the actual expenses in the historical review period to the authorized levels
8 in the previous rate case; and 2) a reconciliation of the implementation of the PCOP during
9 that same historical review period. In Docket No. 15-00001, the TPUC approved a single
10 reconciliation of the PCOP.

11 **Q. WHEN DOES TAWC ANTICIPATE FILING THE PCOP RECONCILIATION?**

12 A. TAWC anticipates filing the reconciliation on the PCOP Rider by January 15, 2018. As
13 set forth in the tariffs, new PCOP rates are anticipated to be effective by February 14, 2019.
14 TAWC recently requested a tariff change to allow 15 more days to the filing date and
15 effective date than was originally approved in 13-000130. This request was accepted by
16 the Commission.

17 **Q. WHAT IS THE PROPOSED ADJUSTED QIIP RIDER?**

18 A. TAWC is proposing a QIIP Rider that would result in an annualized revenue recovery of
19 \$6,024,341 for the 2019 calendar year or a surcharge of 12.80%. The surcharge is a
20 cumulative amount since 2014. Again, the annualized revenue recovery is the monthly
21 surcharge, times 12 months, to cover the cost to support all of the QIIP capital investment.
22 This is an increase of requested QIIP Riders surcharge recovery from the previous year of

1 \$1,293,703 and an increase in the total QIIP Rider surcharge from the previous year of
2 2.75%.

3 **Q. HAS TENNESSEE AMERICAN FILED A TARIFF ADDRESSING THE**
4 **PROPOSED QIIP RIDER?**

5 A. Yes. A new tariff Thirteenth Revised Sheet No. 12 – Riders – 1 reflects all three Capital
6 Recovery Riders and is attached to my testimony as **Petitioner’s Exhibit Proposed Sheet**
7 **No. 12- Riders - MLS.**

8 **Q. WHAT IS THE PROPOSED EDI RIDER?**

9 A. TAWC is proposing an EDI Rider that would result in an annualized revenue recovery of
10 \$320,794 for the 2019 calendar year or a surcharge of 0.68%. The surcharge is a
11 cumulative amount. Again, the annualized revenue recovery is the monthly surcharge,
12 times 12 months, to cover the cost to support all of the EDI capital investment. This is an
13 increase in the requested EDI Rider surcharge recovery from the previous year of \$126,249
14 and an increase in the total EDI Riders surcharge over the previous year of 0.27%. Again,
15 this is shown on the new tariff Thirteenth Revised Sheet No. 12 – Riders – 1 which reflects
16 all three Capital Recovery Riders and is attached to my testimony as **Petitioner’s Exhibit**
17 **Proposed Sheet No. 12- Riders - MLS.**

18 **Q. WHAT IS PROPOSED SEC RIDER?**

19 TAWC is proposing a SEC Rider that would result in an annualized revenue recovery of
20 \$3,537,646 for the 2019 calendar year or a surcharge of 7.52%. Again, the annualized
21 revenue recovery is the monthly surcharge, times 12 months, to cover the cost to support
22 all of the SEC capital investment. This is an increase in the requested SEC Rider surcharge
23 recovery from the previous year of \$728,261 and an increase in the total SEC Rider

1 surcharge over the previous year of 1.55%. Again, this is shown on the new tariff Thirteenth
2 Revised Sheet No. 12 – Riders – 1 which reflects all three Capital Recovery Riders and is
3 attached to my testimony as Petitioner’s Exhibit Proposed Sheet No. 12- Riders - MLS.

4 The sum of the three riders is an increase of 4.57% on the current base bill.

5 **Q. IN DOCKET NO. 18-00039, TAWC WAS ORDERED TO “TRACK AND**
6 **ACCUMULATE MONTHLY IN A DEFERRED ACCOUNT THE PORTION OF**
7 **ITS REVENUE REPRESENTING THE DIFFERENCE BETWEEN THE COST OF**
8 **SERVICE APPROVED BY THE COMMISSION IN ITS MOST RECENT RATE**
9 **CASE AND THE COST OF SERVICE THAT WOULD HAVE RESULTED HAD**
10 **THE PROVISION FOR FEDERAL INCOME TAXES BEEN BASED ON 21%**
11 **RATHER THAN 35%.” DID TAWC COMPLY WITH THE ORDER?**

12 A. Yes, the Company has been tracking and accumulating monthly, in a deferred account, the
13 revenue authorized in its most recent rate case that was associated with a 35%, rather than
14 a 21% federal income tax rate. I’ll refer to this as “TCJA Deferred Revenue”

15 **Q. IN DOCKET 18-00039, TAWC RECOMMENDED UTILIZING THE TCJA**
16 **DEFERRED REVENUE AS AN OFFSET TO INCREASES IN THE CAPITAL**
17 **RECOVERY RIDERS. DOES TAWC STILL RECOMMEND THAT?**

18 A. Yes we do.

19 **Q. WHAT IS THE CURRENT BALANCE OF TCJA DEFERRED REVENUE?**

20 A. As of October 31, 2018 the balance was \$1,599,454.

1 **Q. WHAT DOES TAWC PROJECT THE BALANCE TO BE FOR A FULL YEAR OF**
2 **TCJA DEFERRED REVENUE?**

3 A. TAWC is deferring 4.32% of billed base rate revenue, so the total amount to be deferred
4 each year will vary depending upon billed base rate revenue. However, if billed base rate
5 revenue were consistent with those authorized in Docket No. 12-0049, the total annual
6 deferral would be just over \$2 million

7 **Q. DOES TAWC PROPOSE TO REVIEW THE METHODOLOGY FOR THE**
8 **CALCULATIONS OF THE DEFERRED AMOUNT IN THIS PROCEEDING?**

9 A. No, it does not. There is a separate Docket No. 18-00039 that has been established to
10 review and investigate the impact of lowering the corporate tax rate from 35% to 21%.
11 TAWC recommends that the methodology for calculating the amount of tax savings
12 continue in that Docket. TAWC is simply proposing at this time a method for allowing
13 customers to begin to realize the benefit of those savings.

14 **Q. IN DOCKET 18-00039, TAWC ALSO RECOMMENDED USING EXCESS**
15 **ACCUMULATED DEFERRED INCOME TAX (“ADIT”) NORMALIZATION**
16 **RESULTING FROM THE TCJA TO OFFSET THE CAPITAL RECOVERY**
17 **RIDERS. DOES TAWC STILL RECOMMEND THAT?**

18 A. TAWC still recommends that excess ADIT normalization, once reliably calculated, be used
19 as an offset to Capital Recovery Rider increases or reconciliations. However, at this time,
20 the TCJA Deferred Revenue is estimated to be adequate to offset the \$2.1 million 2019
21 Capital Recovery Rider increase, and thus the excess ADIT can continue to be deferred for
22 the customers’ benefit.

1 **Q. WHY DID TAWC MAKE A RECOMMENDATION TO USE TCJA DEFERRED**
2 **REVENUE TO OFFSET THE CAPITAL RECOVERY RIDERS?**

3 A. As discussed in TAWC's testimony in Docket No. 18-00039, TAWC identifies three
4 primary benefits to this plan (in addition to the Capital Recovery Rider tax expense savings
5 already provided in 2018). First, customers can enjoy more than \$19 million of Rider
6 eligible infrastructure improvements without any bill increase in 2019, a savings of \$2.1
7 million for our customers. Second, by allowing TCJA Revenue Deferral throughout 2018
8 for base rate tax expense savings, the Commission has enabled TAWC to maintain cash
9 flows and financial stability, thus preserving lower cost capital for customers and
10 protecting TAWC's ability to make essential infrastructure improvements. And third,
11 TAWC's customers have not been subject to a whipsaw effect, by having rates lowered
12 only to be raised again in short order.

13 **Q. HOW WOULD THE TCJA OFFSET PROCESS WORK?**

14 As noted above, TAWC has been deferring revenue since January 1, 2018. TAWC would
15 continue to defer revenue monthly. However, in order to start flowing back the benefits of
16 this deferral, TAWC would simply offset the amount that would have been billed to
17 customers for the 2019 Capital Recovery Riders increase through a surcharge credit. The
18 surcharge credit would not need to be a separate line item on the bill, but rather could
19 simply roll up to the Capital Recovery Riders line. Therefore, customers would not see a
20 change in their bill. However, by creating a separate surcharge credit, the accounting for
21 the foregone Capital Recovery Rider revenue could be tracked, and a corresponding
22 amount of TCJA Deferred Revenue could be amortized.

1 If approved, TAWC will run a notice on the bill that informs customers that the Capital
2 Recovery Riders for 2019 are being offset by savings from the 2017 TCJA.

3 **Q. WHAT IS THE IMPACT TO THE AVERAGE CUSTOMER BILL?**

4 If the TPUC authorized the proposed offset, the impact to the average customer bill from
5 the Capital Recovery Riders proposed in this docket will be zero. For a typical residential
6 customer living in the City of Chattanooga, and using an average of 4,154 gallons per
7 month, the current increase in the proposed Capital Recovery Riders would represent an
8 increase in their bill of \$0.99 per month, or \$11.88 per year. The TCJA offset would
9 decrease the bill by the same amounts, so no net increase would be charged. While the
10 overall sum of the three riders, before offset, is 4.57% as noted above, this is a total increase
11 of 3.93% over the current monthly average bill that includes the previously approved
12 Capital Recovery Riders. This is because the overall sum of the three riders of 4.57%
13 continues to be calculated on the revenues authorized in 2012. The cumulative impact on

customer's bills are summarized in Table 1:

Table 1
Cumulative Impact of Capital Recovery Riders
Tennessee American Water Company

TPUC Docket No.	Effective Date	Annual Percentage Increase in Capital Recovery Riders	Capital Recovery Riders Cumulative Total	Total Increase to Chattanooga Average Annual Bill	Average Chattanooga Annual Bill*	Annual Increase in Total Bill	Annual Increase from Previous Bill
12-00049	11/1/2012				\$ 21.56		
13-00130	4/15/2014	1.080%	1.080%	\$ 0.23	\$ 21.79	\$ 0.23	1.080%
14-00121	6/30/2015	4.640%	5.720%	\$ 1.23	\$ 22.79	\$ 1.00	4.590%
15-00111	3/15/2016	4.660%	10.380%	\$ 2.24	\$ 23.79	\$ 1.00	4.408%
16-00126	3/14/2017	3.570%	13.950%	\$ 3.01	\$ 24.56	\$ 0.77	3.234%
17-00124	4/10/2018	2.480%	16.430%	\$ 3.54	\$ 25.10	\$ 0.53	2.18%
Proposed	1/1/2019	4.570%	21.000%	\$ 4.53	\$ 26.08	\$ 0.99	3.93%
TCJA Offset	1/1/2019	-4.570%	16.430%	\$ 3.54	\$ 25.10	\$ -	0.00%

* The purpose of this table is to aid in the the overall view of the impact of the Capital Recovery Riders and does not include reconciliations and the PCOP.

I am also providing a table reflecting the detailed changes for each Capital Recovery Rider, including the reconciliations. This is attached to my testimony as **Petitioner's Exhibit – Annual Approved Tariffs – MLS**. A summary of the impact for the average residential customer for each of Tennessee American's water rates is attached to my testimony as **Petitioner's Exhibit Average Impact – MLS**.

Q. ARE THE QIIP RIDER, THE EDI RIDER AND THE SEC RIDER STILL IN THE PUBLIC INTEREST?

A. Yes. As I noted at the outset herein, and as outlined by TAWC in much detail and with supporting documentation TPUC Docket No. 13-00130, the QIIP, the EDI and the SEC

1 Riders are mutually beneficial to the ratepayers, the public, and TAWC. Among other
2 things, the Capital Recovery Riders reduce the need for general rate cases, lessen the
3 occurrence of consumer “rate shock,” support the maintenance and improvement of
4 essential infrastructure, support opportunities for successful economic development,
5 growth and job creation, ensure safety and reliability, and allow for more efficient,
6 streamlined regulation. The ratepayers and the public benefit from the safety and reliability
7 components and from the more seamless and timely capital investment in infrastructure,
8 coupled with the related support to economic development, growth and job creation. The
9 Company benefits from a more efficient, streamlined regulatory process that presents
10 TAWC with the opportunity to timely recover its expenses and earn a fair rate of return on
11 its investments. Without the approved alternative rate mechanisms pursuant to Tenn. Code
12 Ann. Section 65-5-103 *et. seq.*, and specifically without the Capital Recovery Riders,
13 TAWC would be preparing another general rate case. Tennessee American understands
14 that the purpose of the new legislation — Tenn. Code Ann. § 65-5-103 *et. seq.*, — was, in
15 part, to encourage an increase in certain types of infrastructure investment and recovery by
16 utilities, while reducing the costs to consumers and utilities for regulatory review and
17 implementation, and promoting rate gradualism for consumers. TAWC believes the
18 approved Capital Recovery Riders are achieving that goal.

19 As reflected in the evidentiary record in TPUC Docket No. 13-00130, the US
20 Environmental Protection Agency and the American Society of Civil Engineers have
21 published reports regarding the significant capital needs for water and wastewater
22 infrastructure in the United States, including here in Tennessee. A substantial portion of
23 TAWC’s distribution infrastructure is between 50 and 100 years old, and TAWC needs to

1 continue to invest in replacing its infrastructure in order to meet its obligation to provide
2 safe, reliable drinking water to its customers. The QIIP Rider is assisting TAWC in
3 responsibly and strategically addressing the systems' infrastructure replacement needs,
4 while helping to increase the time between rate cases and reducing the cost of rate cases to
5 its Customers. As testified to by Company Witness Brent O'Neill, TAWC has strategically
6 focused its efforts on mains with the highest maintenance concerns.

7 As reflected in the evidentiary record in TPUC Docket No. 14-00121, the presence
8 of the new Coca Cola facility in Chattanooga, along with the accompanying jobs and other
9 associated community and public benefits, shows that the EDI Rider is working as intended
10 by the Tennessee General Assembly. Moreover, the Company's cooperative and
11 coordinated efforts with the City of Chattanooga to timely address crucial safety, health
12 and reliability issues, including those identified in the US Environmental Protection
13 Agency's April 2013 Consent Decree issued to the City of Chattanooga requiring
14 improvements to the City's sanitary sewer system, demonstrates that the SEC Rider is
15 serving our Customers and the public interest as anticipated.

16 As it pledged to do when it first submitted the Capital Recovery Riders for review
17 and consideration by the agency in TPUC Docket No. 13-00130, TAWC has been able to
18 partner with the community to promote economic development, which we believe to be
19 consistent with Tenn. Code Ann. § 65-5-103 *et. seq.*, consistent with the approved QIIP
20 Rider, EDI Rider, and SEC Rider, and in the public interest. Under the Commission's
21 oversight and within the safeguards set forth in the approved tariffs, TAWC has been able
22 to increase infrastructure replacement and meet environmental compliance needs on a
23 timely basis, which we believe to be in the public interest.

1 **Q. ARE YOU AWARE OF ANY CHANGES IN MARKET CONDITION OR OTHER**
2 **FACTORS THAT MAY AFFECT WHETHER THESE RIDERS ARE STILL IN**
3 **THE PUBLIC INTEREST?**

4 A. No, I am not.

5 **Q. WHAT DO YOU RECOMMEND WITH REGARD TO THIS PETITION?**

6 A. I recommend that the Petition be approved for the increase in the QIIP, EDI and SEC
7 Riders, effective January 1, 2019.

8 **Q. DOES THIS CONCLUDE YOUR DIRECT TESTIMONY?**

9 A. Yes. I reserve the ability to submit further testimony as is appropriate.

10

**Tennessee American Water Company
Qualified Infrastructure Improvement Program (QIIP)
Economic Development Investment Rider (EDI)
Safety and Environmental Compliance Rider (SEC)
Summary Page**

Line Number	Rate Mechanism	a			b		c	d = b+c	e = a+c	
		Proposed Revenue Requirement*	Percentage Applied to Bill*	Revenue Requirement as Authorized - 2018 (1)	Percentage Applied to Bill as Authorized (1)	Impact of Proposed Adjustments on Revenue Requirement	Impact of Proposed Adjustments on Bill Percentage	2019 TCJA Credit at -4.57%	Total Impact of Proposed Adjustments and TCJA Credit on Bill	Total Percentage Applied to Bill After TCJA Credit
1										
2	QIIP	\$ 6,024,341	12.80%	\$ 4,730,639	10.05%	\$ 1,293,703	2.75%	-2.75%	0.00%	10.05%
3										
4	EDI	320,794	0.68%	194,545	0.41%	126,249	0.27%	-0.27%	0.00%	0.41%
5										
6	SEC	3,537,646	7.52%	2,809,385	5.97%	728,261	1.55%	-1.55%	0.00%	5.97%
7										
8	Total	\$ 9,882,782	21.00%	\$ 7,734,569	16.43%	\$ 2,148,212	4.57%	-4.57%	0.00%	16.43%
9										
10										

*Includes Def. Tax, Accum. Depreciation, Forfeited Discount Gross Up

(1) From prior docket #17-00124 order that approved the capital rider surcharges

**Tennessee American Water Company
Qualified Infrastructure Improvement Program (QIIP)
Economic Development Rider (EDI)
Safety and Environmental Compliance Rider (SEC)
Average Residential Bill Impact
5/8" Meter and Usage of 5.55 CCF (or 41.54 100 Gallons)**

[illegible]

**Tennessee American Water
Qualified Infrastructure Improvement Program (QIIP)
Calculation of QIIP Revenue Requirement**

Line Number	Description	QIIP Company Totals
1	Additions Subject to QIIP:	\$ 49,542,272
2	Plus: Cost of Removal less Salvage	6,795,685
3	Less: Contributions in Aid to Construction (CIAC)	2,284,346
4	Less: Deferred Income Taxes	565,451
5	Less: Accumulated Depreciation	2,575,012
6	Net Investment Supplied QIIP Additions:	<u>\$ 50,913,147</u>
7		
8	Pre-Tax Rate of Return:	8.45145%
9	Pre-Tax Return on Additions:	<u>\$ 4,302,900</u>
10		
11	Depreciation Expense on QIIP Additions:	959,335
12		
13	Operational Expenses Related to QIIP	-
14		
15	Property and Franchise Taxes Associated with QIIP:	<u>574,282</u>
16		
17	QIIP Revenues:	<u>\$ 5,836,517</u>
18		
19	Revenue Taxes	3.191%
20	QIIP Revenues with Revenue Taxes	<u>\$ 6,028,900</u>
21		
22	QIIP APP Revenue Reduction	<u>(4,558)</u>
23		
24	Total QIIP Revenues with Revenue Taxes & APP Reduction	<u><u>\$ 6,024,341</u></u>
25		
26	Service Charge and Volumetric Revenues as Per Docket No. 12-00049	<u><u>\$ 47,073,724</u></u>
27		
28	QIIP Percentage to Apply to Bill:	<u><u>12.80%</u></u>
29		

Tennessee American Water Company
Qualified Infrastructure Improvement Program (QIIP)
Investment Worksheet

			1	2	3	4	5	B	C
		QIIP				=Col 1 + Col 2			
Line #	Investment by Plant Account	Account Description	Additions	Retirements	CIAC	Net Investments (for Property Tax Calculation)	Cost of Removal Net of Salvage	Accumulated Deferred Income Taxes	Accumulated Depreciation
41	331001	Transmission & Distribution Mains							
42	Recurring Projects		\$ 19,453,797	\$ (1,171,172)	\$ (2,133,047)	\$ 18,282,626	\$ 1,228,731	\$ (428,242)	\$ (501,342)
43	Investment Projects		2,414,209	-	-	2,414,209	-	(20,688)	(17,410)
44	Total QIP		<u>\$ 21,868,006</u>	<u>\$ (1,171,172)</u>	<u>\$ (2,133,047)</u>	<u>\$ 20,696,835</u>	<u>\$ 1,228,731</u>	<u>\$ (448,930)</u>	<u>\$ (518,752)</u>
45									
46	333000	Services							
47	Recurring Projects		\$ 3,638,217	\$ (122,451)	\$ (29,876.59)	\$ 3,515,766	\$ 908,872	\$ (81,262)	\$ (93,389)
48	Investment Projects		-	-	-	-	-	-	-
49	Total QIP		<u>\$ 3,638,217</u>	<u>\$ (122,451)</u>	<u>\$ (29,877)</u>	<u>\$ 3,515,766</u>	<u>\$ 908,872</u>	<u>\$ (81,262)</u>	<u>\$ (93,389)</u>
50									
51	334100	Meters							
52	Recurring Projects		\$ 1,288,164	\$ (3,421,270)	\$ -	\$ (2,133,106)	\$ 410,752	\$ (55,613)	\$ 125,183
53	Investment Projects		-	-	-	-	-	-	-
54	Total QIP		<u>\$ 1,288,164</u>	<u>\$ (3,421,270)</u>	<u>\$ -</u>	<u>\$ (2,133,106)</u>	<u>\$ 410,752</u>	<u>\$ (55,613)</u>	<u>\$ 125,183</u>
55									
56	334200	Meter Installations							
57	Recurring Projects		\$ 7,629,951	\$ (957,191)	\$ -	\$ 6,672,761	\$ 1,392,981	\$ (72,343)	\$ (358,513)
58	Investment Projects		-	-	-	-	-	-	-
59	Total QIP		<u>\$ 7,629,951</u>	<u>\$ (957,191)</u>	<u>\$ -</u>	<u>\$ 6,672,761</u>	<u>\$ 1,392,981</u>	<u>\$ (72,343)</u>	<u>\$ (358,513)</u>
60									
61	335000	Hydrants							
62	Recurring Projects		\$ 1,425,916	\$ (169,414)	\$ (121,423)	\$ 1,256,502	\$ 49,875	\$ (22,311)	\$ (63,700)
63	Investment Projects		-	-	-	-	-	-	-
64	Total QIP		<u>\$ 1,425,916</u>	<u>\$ (169,414)</u>	<u>\$ (121,423)</u>	<u>\$ 1,256,502</u>	<u>\$ 49,875</u>	<u>\$ (22,311)</u>	<u>\$ (63,700)</u>
65									
66	346190	Hydrants							
67	Recurring Projects		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
68	Investment Projects		207,335	-	-	207,335	-	171	(17,131)
69	Total QIP		<u>\$ 207,335</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 207,335</u>	<u>\$ -</u>	<u>\$ 171</u>	<u>\$ (17,131)</u>
70									
71	Expense:								
72			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
73			-	-	-	-	-	-	-
74			-	-	-	-	-	-	-
75	Total		<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>
76									
77	Total		<u>\$ 49,542,272</u>	<u>\$ (7,036,604)</u>	<u>\$ (2,284,346)</u>	<u>\$ 42,505,668</u>	<u>\$ 6,795,685</u>	<u>\$ (565,451)</u>	<u>\$ (2,575,012)</u>

			6	7	8	9	10	11	12
QIIP			=Cols 1 + 3 + 5 + B + C	=Col 6 x 8.451452%	=(Col 1+2+3)x Depreciation Rate	=(Col 4 x Prop Tax Rate) + (Col 4 x Franchise Rate)		=Cols 7 + 8 + 9 + 10	= Col 11 / (1 - 3.191%)
Line #	Investment by Plant Account	Account Description	Earnings Basis Net Investment (Rate Base)	Earnings Basis x Pre-Tax Return (PTR)	Depreciation Expense	Property Tax & Franchise Fees	Operational Expenses	Total Before Revenue Tax	Total With Revenue Tax
1	304300	Struct & Imp-Treatment							
2	Recurring Projects		\$ 11,261	\$ 952	\$ (3,900)	\$ (1,282)	\$ -	\$ (4,231)	\$ (4,370)
3	Investment Projects		6,962,533	588,435	249,995	82,180	-	920,611	950,956
4	Total QIP		<u>\$ 6,973,794</u>	<u>\$ 589,387</u>	<u>\$ 246,095</u>	<u>\$ 80,898</u>	<u>\$ -</u>	<u>\$ 916,380</u>	<u>\$ 946,586</u>
5									
6	304301	Struct & Imp-Treatment-Dpr Paint							
7	Recurring Projects		\$ 1,580,948	\$ 133,613	\$ 130,312	\$ 14,599	\$ -	\$ 278,524	\$ 287,705
8	Investment Projects		-	-	-	-	-	-	-
9	Total QIP		<u>\$ 1,580,948</u>	<u>\$ 133,613</u>	<u>\$ 130,312</u>	<u>\$ 14,599</u>	<u>\$ -</u>	<u>\$ 278,524</u>	<u>\$ 287,705</u>
10									
11	320100	WT Equip Non-Media							
12	Recurring Projects		\$ 250,425	\$ 21,165	\$ 1,484	\$ 1,839	\$ -	\$ 24,488	\$ 25,295
13	Investment Projects		2,412,527	203,894	23,193	28,748	-	255,835	264,268
14	Total QIP		<u>\$ 2,662,952</u>	<u>\$ 225,058</u>	<u>\$ 24,677</u>	<u>\$ 30,588</u>	<u>\$ -</u>	<u>\$ 280,323</u>	<u>\$ 289,563</u>
15									
16	320200	Water Trmt Equip Filter Media							
17	Recurring Projects		\$ 244,839	\$ 20,692	\$ 5,512	\$ 221	\$ -	\$ 26,426	\$ 27,297
18	Investment Projects		-	-	-	-	-	-	-
19	Total QIP		<u>\$ 244,839</u>	<u>\$ 20,692</u>	<u>\$ 5,512</u>	<u>\$ 221</u>	<u>\$ -</u>	<u>\$ 26,426</u>	<u>\$ 27,297</u>
20									
21	330000	Dist Reservoirs & Standpipes							
22	Recurring Projects		\$ 6,470	\$ 547	\$ 484	\$ 314	\$ -	\$ 1,345	\$ 1,390
23	Investment Projects		-	-	-	-	-	-	-
24	Total QIP		<u>\$ 6,470</u>	<u>\$ 547</u>	<u>\$ 484</u>	<u>\$ 314</u>	<u>\$ -</u>	<u>\$ 1,345</u>	<u>\$ 1,390</u>
25									
26	330003	Tank Repainting							
27	Recurring Projects		\$ 2,142,645	\$ 181,085	\$ 191,188	\$ 23,313	\$ -	\$ 395,586	\$ 408,625
28	Investment Projects		-	-	-	-	-	-	-
29	Total QIP		<u>\$ 2,142,645</u>	<u>\$ 181,085</u>	<u>\$ 191,188</u>	<u>\$ 23,313</u>	<u>\$ -</u>	<u>\$ 395,586</u>	<u>\$ 408,625</u>
30									
31	330100	Elevated Tanks & Standpipes							
32	Recurring Projects		\$ 177,065	\$ 14,965	\$ 5,143	\$ 2,536	\$ -	\$ 22,643	\$ 23,390
33	Investment Projects		-	-	-	-	-	-	-
34	Total QIP		<u>\$ 177,065</u>	<u>\$ 14,965</u>	<u>\$ 5,143</u>	<u>\$ 2,536</u>	<u>\$ -</u>	<u>\$ 22,643</u>	<u>\$ 23,390</u>
35									
36	330200	Ground Level Tanks							
37	Recurring Projects		\$ 966,568	\$ 81,689	\$ 27,523	\$ 13,571	\$ -	\$ 122,784	\$ 126,831
38	Investment Projects		-	-	-	-	-	-	-
39	Total QIP		<u>\$ 966,568</u>	<u>\$ 81,689</u>	<u>\$ 27,523</u>	<u>\$ 13,571</u>	<u>\$ -</u>	<u>\$ 122,784</u>	<u>\$ 126,831</u>

Tennessee American Water Company
Qualified Infrastructure Improvement Program (QIIP)
Investment Worksheet

			6	7	8	9	10	11	12
		QIIP	=Cols 1 + 3 + 5 + B + C	=Col 6 x 8.451452%	=(Col 1+2+3)x Depreciation Rate	=(Col 4 x Prop Tax Rate) + (Col 4 x Franchise Rate)		=Cols 7 + 8 + 9 + 10	= Col 11 / (1 - 3.191%)
Line #	Investment by Plant Account	Account Description	Earnings Basis Net Investment (Rate Base)	Earnings Basis x Pre-Tax Return (PTR)	Depreciation Expense	Property Tax & Franchise Fees	Operational Expenses	Total Before Revenue Tax	Total With Revenue Tax
41	331001	Transmission & Distribution Mains							
42	Recurring Projects		\$ 17,619,898	\$ 1,489,137	\$ 201,870	\$ 247,011	\$ -	\$ 1,938,018	\$ 2,001,899
43	Investment Projects		2,376,111	200,816	30,178	32,618	-	263,611	272,300
44	Total QIP		<u>\$ 19,996,009</u>	<u>\$ 1,689,953</u>	<u>\$ 232,047</u>	<u>\$ 279,629</u>	<u>\$ -</u>	<u>\$ 2,201,630</u>	<u>\$ 2,274,199</u>
45									
46	333000	Services							
47	Recurring Projects		\$ 4,342,563	\$ 367,010	\$ 38,693	\$ 47,501	\$ -	\$ 453,204	\$ 468,142
48	Investment Projects		-	-	-	-	-	-	-
49	Total QIP		<u>\$ 4,342,563</u>	<u>\$ 367,010</u>	<u>\$ 38,693</u>	<u>\$ 47,501</u>	<u>\$ -</u>	<u>\$ 453,204</u>	<u>\$ 468,142</u>
50									
51	334100	Meters							
52	Recurring Projects		\$ 1,768,486	\$ 149,463	\$ (159,343)	\$ (28,820)	\$ -	\$ (38,700)	\$ (39,976)
53	Investment Projects		-	-	-	-	-	-	-
54	Total QIP		<u>\$ 1,768,486</u>	<u>\$ 149,463</u>	<u>\$ (159,343)</u>	<u>\$ (28,820)</u>	<u>\$ -</u>	<u>\$ (38,700)</u>	<u>\$ (39,976)</u>
55									
56	334200	Meter Installations							
57	Recurring Projects		\$ 8,592,076	\$ 726,155	\$ 182,166	\$ 90,154	\$ -	\$ 998,475	\$ 1,031,387
58	Investment Projects		-	-	-	-	-	-	-
59	Total QIP		<u>\$ 8,592,076</u>	<u>\$ 726,155</u>	<u>\$ 182,166</u>	<u>\$ 90,154</u>	<u>\$ -</u>	<u>\$ 998,475</u>	<u>\$ 1,031,387</u>
60									
61	335000	Hydrants							
62	Recurring Projects		\$ 1,268,357	\$ 107,195	\$ 26,107	\$ 16,976	\$ -	\$ 150,278	\$ 155,231
63	Investment Projects		-	-	-	-	-	-	-
64	Total QIP		<u>\$ 1,268,357</u>	<u>\$ 107,195</u>	<u>\$ 26,107</u>	<u>\$ 16,976</u>	<u>\$ -</u>	<u>\$ 150,278</u>	<u>\$ 155,231</u>
65									
66	346190	Hydrants							
67	Recurring Projects		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
68	Investment Projects		190,375	16,089	8,729	2,801	-	27,620	28,530
69	Total QIP		<u>\$ 190,375</u>	<u>\$ 16,089</u>	<u>\$ 8,729</u>	<u>\$ 2,801</u>	<u>\$ -</u>	<u>\$ 27,620</u>	<u>\$ 28,530</u>
70									
71	Expense:								
72			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
73			-	-	-	-	-	-	-
74			-	-	-	-	-	-	-
75	Total		<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>
76									
77	Total		<u>\$ 50,913,147</u>	<u>\$ 4,302,900</u>	<u>\$ 959,335</u>	<u>\$ 574,282</u>	<u>\$ -</u>	<u>\$ 5,836,517</u>	<u>\$ 6,028,900</u>

**Tennessee American Water
Economic Development Investment (EDI)
Calculation of EDI Revenue Requirement**

Line Number	Description	EDI Company Totals
1	Additions Subject to EDI:	\$ 2,893,001
2	Plus: Cost of Removal less Salvage	1,904
3	Less: Contributions in Aid to Construction (CIAC)	22,345
4	Less: Deferred Income Taxes	44,119
5	Less: Accumulated Depreciation	72,280
6	Net Investment Supplied EDI Additions:	<u>\$ 2,756,162</u>
7		
8	Pre-Tax Rate of Return:	8.45145%
9	Pre-Tax Return on Additions:	<u>\$ 232,936</u>
10		
11	Depreciation Expense on EDI Additions:	38,723
12		
13	Operational Expenses Related to EDI	-
14		
15	Property and Franchise Taxes Associated with EDI:	<u>39,062</u>
16		
17	EDI Revenues:	<u>\$ 310,721</u>
18		
19	Revenue Taxes	3.191%
20	EDI Revenues with Revenue Taxes	<u>\$ 320,963</u>
21		
22	EDI APP Revenue Reduction	<u>(168)</u>
23		
24	Total EDI Revenues with Revenue Taxes & APP Reduction	<u><u>\$ 320,794</u></u>
25		
26	Service Charge and Volumetric Revenues as Per Docket No. 12-00049	<u><u>\$ 47,073,724</u></u>
27		
28	EDI Percentage to Apply to Bill:	<u><u>0.68%</u></u>
29		

**Tennessee American Water Company
Economic Development Investment (EDI)
Investment Worksheet**

[illegible]

**Tennessee American Water Company
Economic Development Investment (EDI)
Investment Worksheet**

[illegible]

**Tennessee American Water
Safety and Environmental Compliance (SEC)
Calculation of SEC Revenue Requirement**

Line Number	Description	SEC Company Totals
1	Additions Subject to SEC:	\$ 27,467,267
2	Plus: Cost of Removal less Salvage	2,974,425
3	Less: Contributions in Aid to Construction (CIAC)	-
4	Less: Deferred Income Taxes	594,534
5	Less: Accumulated Depreciation	2,095,219
6	Net Investment Supplied SEC Additions:	<u>\$ 27,751,939</u>
7		
8	Pre-Tax Rate of Return:	8.45145%
9	Pre-Tax Return on Additions:	<u>\$ 2,345,442</u>
10		
11	Depreciation Expense on SEC Additions:	736,617
12		
13	Operational Expenses Related to SEC	-
14		
15	Property and Franchise Taxes Associated with SEC:	<u>347,250</u>
16		
17	SEC Revenues:	<u>\$ 3,429,309</u>
18		
19	Revenue Taxes	3.191%
20	SEC Revenues with Revenue Taxes	<u>\$ 3,542,345</u>
21		
22	SEC APP Revenue Reduction	<u>(4,700)</u>
23		
24	SEC Revenues with Revenue Taxes & APP Reduction	<u>\$ 3,537,646</u>
25		
26	Service Charge and Volumetric Revenues as Per Docket No. 12-00049	<u>\$ 47,073,724</u>
27		
28	SEC Percentage to Apply to Bill:	<u>7.52%</u>
29		

**Tennessee American Water Company
Safety and Environmental Compliance (SEC)
Investment Worksheet**

			1	2	3	4	5	B	C
			=Col 1 + Col 2						
SEC									
Line #	Investment by Plant Account	Account Description	Additions	Retirements	CIAC	Net Investments (for Property Tax Calculation)	Cost of Removal Net of Salvage	Accumulated Deferred Income Taxes	Accumulated Depreciation
46	310000	Power Generation Equip							
47	Recurring Projects		\$ 43,178	\$ -	\$ -	\$ 43,178	\$ 115	\$ 3,779	\$ (20,509)
48	Investment Projects		-	-	-	-	-	-	-
49	Total QIP		\$ 43,178	\$ -	\$ -	\$ 43,178	\$ 115	\$ 3,779	\$ (20,509)
50									
51	311200	Pump Eqp Electric							
52	Recurring Projects		\$ 51,831	\$ (165,004)	\$ -	\$ (113,173)	\$ 49,517	\$ (3,565)	\$ 6,110
53	Investment Projects		-	-	-	-	-	-	-
54	Total QIP		\$ 51,831	\$ (165,004)	\$ -	\$ (113,173)	\$ 49,517	\$ (3,565)	\$ 6,110
55									
56	311520	Pumping Equipment SOS							
57	Recurring Projects		\$ 2,145,484	\$ (74,947)	\$ -	\$ 2,070,537	\$ 41,384	\$ (37,893)	\$ (89,482)
58	Investment Projects		-	-	-	-	-	-	-
59	Total QIP		\$ 2,145,484	\$ (74,947)	\$ -	\$ 2,070,537	\$ 41,384	\$ (37,893)	\$ (89,482)
60									
61	320100	WT Equip Non-Media							
62	Recurring Projects		\$ 3,485,150	\$ (616,837)	\$ -	\$ 2,868,313	\$ 395,663	\$ (110,827)	\$ (103,474)
63	Investment Projects		10,675,325	(31,111)	-	10,644,214	34,423	(323,362)	(342,818)
64	Total QIP		\$ 14,160,475	\$ (647,948)	\$ -	\$ 13,512,527	\$ 430,086	\$ (434,189)	\$ (446,291)
65									
66	320200	Water Trmt Equip Filter Media							
67	Recurring Projects		\$ 1,156,745	\$ (449,717)	\$ -	\$ 707,028	\$ 489,873	\$ 177,931	\$ (677,142)
68	Investment Projects		-	-	-	-	-	-	-
69	Total QIP		\$ 1,156,745	\$ (449,717)	\$ -	\$ 707,028	\$ 489,873	\$ 177,931	\$ (677,142)
70									
76	330200	Ground Level Tanks							
77	Recurring Projects		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
78	Investment Projects		254,153	(1,500)	-	252,653	50,000	(851)	(11,579)
79	Total QIP		\$ 254,153	\$ (1,500)	\$ -	\$ 252,653	\$ 50,000	\$ (851)	\$ (11,579)
80									
91	340200	Computer & Peripheral Equipment							
92	Recurring Projects		\$ 78,567	\$ (0)	\$ -	\$ 78,567	\$ 2,554	\$ (14,113)	\$ (3,541)
93	Investment Projects		-	-	-	-	-	-	-
94	Total QIP		\$ 78,567	\$ (0)	\$ -	\$ 78,567	\$ 2,554	\$ (14,113)	\$ (3,541)
95									
96	340300	Computer Software							
97	Recurring Projects		\$ 124,563	\$ -	\$ -	\$ 124,563	\$ -	\$ -	\$ -
98	Investment Projects		-	-	-	-	-	-	-
99	Total QIP		\$ 124,563	\$ -	\$ -	\$ 124,563	\$ -	\$ -	\$ -
100									
101	340330	Computer Software Other							
102	Recurring Projects		\$ 1,224	\$ -	\$ -	\$ 1,224	\$ -	\$ -	\$ -
103	Investment Projects		-	-	-	-	-	-	-
104	Total QIP		\$ 1,224	\$ -	\$ -	\$ 1,224	\$ -	\$ -	\$ -
105									

Tennessee American Water Company
Safety and Environmental Compliance (SEC)
Investment Worksheet

			1	2	3	4	5	B	C
		SEC				=Col 1 + Col 2			
Line #	Investment by Plant Account	Account Description	Additions	Retirements	CIAC	Net Investments (for Property Tax Calculation)	Cost of Removal Net of Salvage	Accumulated Deferred Income Taxes	Accumulated Depreciation
106	343000	Tools, Shop, Garage Equipment							
107	Recurring Projects		\$ 4,127	\$ (3,416)	\$ -	\$ 711	\$ -	\$ (90)	\$ (140)
108	Investment Projects		-	-	-	-	-	-	-
109	Total QIP		<u>\$ 4,127</u>	<u>\$ (3,416)</u>	<u>\$ -</u>	<u>\$ 711</u>	<u>\$ -</u>	<u>\$ (90)</u>	<u>\$ (140)</u>
110									
111	344000	Laboratory Equipment							
112	Recurring Projects		\$ 6,138	\$ (150,505)	\$ -	\$ (144,367)	\$ 1,535	\$ (2,421)	\$ 6,775
113	Investment Projects		-	-	-	-	-	-	-
114	Total QIP		<u>\$ 6,138</u>	<u>\$ (150,505)</u>	<u>\$ -</u>	<u>\$ (144,367)</u>	<u>\$ 1,535</u>	<u>\$ (2,421)</u>	<u>\$ 6,775</u>
115									
116	345000	Power Operated Equipment							
117	Recurring Projects		\$ 51,973	\$ (14,251)	\$ -	\$ 37,722	\$ 2,117	\$ 1,080	\$ (9,977)
118	Investment Projects		-	-	-	-	-	-	-
119	Total QIP		<u>\$ 51,973</u>	<u>\$ (14,251)</u>	<u>\$ -</u>	<u>\$ 37,722</u>	<u>\$ 2,117</u>	<u>\$ 1,080</u>	<u>\$ (9,977)</u>
120									
121	346100	Comm Equip Non-Telephone							
122	Recurring Projects		\$ 35,018	\$ -	\$ -	\$ 35,018	\$ -	\$ (8,601)	\$ (8,556)
123	Investment Projects		-	-	-	-	-	-	-
124	Total QIP		<u>\$ 35,018</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 35,018</u>	<u>\$ -</u>	<u>\$ (8,601)</u>	<u>\$ (8,556)</u>
125									
126	346190	Remote Control & Instrument							
127	Recurring Projects		\$ 953,473	\$ (109,284)	\$ -	\$ 844,189	\$ 63,645	\$ (190,507)	\$ (99,979)
128	Investment Projects		286,295	-	-	286,295	-	236	(19,007)
129	Total		<u>\$ 1,239,768</u>	<u>\$ (109,284)</u>	<u>\$ -</u>	<u>\$ 1,130,484</u>	<u>\$ 63,645</u>	<u>\$ (190,271)</u>	<u>\$ (118,986)</u>
130									
131	347000	Misc Equipment							
132	Recurring Projects		\$ 9,763	\$ (4,756)	\$ -	\$ 5,007	\$ 3,990	\$ 119	\$ (1,578)
133	Investment Projects		5,946	-	-	5,946	-	174	(2,478)
134	Total		<u>\$ 15,709</u>	<u>\$ (4,756)</u>	<u>\$ -</u>	<u>\$ 10,953</u>	<u>\$ 3,990</u>	<u>\$ 293</u>	<u>\$ (4,057)</u>
135									
136	Expense:								
137	Chemical Expense for WasteWater handling:		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
138	Electric Power Expense for Wasterwater handling:		-	-	-	-	-	-	-
139	Hauling Expense for Wasterwater handling:		-	-	-	-	-	-	-
140	Total		<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>
141									
142	Total		<u>\$ 27,467,267</u>	<u>\$ (1,765,469)</u>	<u>\$ -</u>	<u>\$ 25,701,798</u>	<u>\$ 2,974,425</u>	<u>\$ (594,534)</u>	<u>\$ (2,095,219)</u>

**Tennessee American Water Company
Safety and Environmental Compliance (SEC)
Investment Worksheet**

			6	7	8	9	10	11	12
SEC			=Cols 1 + 3 + 5 + B + C	=Col 6 x 8.451452%	=(Col 1+2+3)x Depreciation Rate	=(Col 4 x Prop Tax Rate) + (Col 4 x Franchise Rate)		=Cols 7 + 8 + 9 + 10	= Col 11 / (1 - 3.191%)
Line #	Investment by Plant Account	Account Description	Earnings Basis Net Investment (Rate Base)	Earnings Basis x Pre-Tax Return (PTR)	Depreciation Expense	Property Tax & Franchise Fees	Operational Expenses	Total Before Revenue Tax	Total With Revenue Tax
1	304100	Structures & Improvement-Supply							
2	Recurring Projects		\$ 850,701	\$ 71,897	\$ 17,633	\$ 12,032	\$ -	\$ 101,562	\$ 104,909
3	Investment Projects		-	-	-	-	-	-	-
4	Total QIP		\$ 850,701	\$ 71,897	\$ 17,633	\$ 12,032	\$ -	\$ 101,562	\$ 104,909
5									
6	304200	Structures & Improvement-Pump							
7	Recurring Projects		\$ 1,040,810	\$ 87,964	\$ 19,909	\$ 13,585	\$ -	\$ 121,457	\$ 125,461
8	Investment Projects		243,636	20,591	(290)	(198)	-	20,104	20,766
9	Total QIP		\$ 1,284,446	\$ 108,554	\$ 19,619	\$ 13,387	\$ -	\$ 141,561	\$ 146,227
10									
11	304300	Structures & Improvement-WT							
12	Recurring Projects		\$ 658,173	\$ 55,625	\$ 27,140	\$ 8,922	\$ -	\$ 91,686	\$ 94,708
13	Investment Projects		5,326,447	450,162	167,991	55,223	-	673,376	695,572
14	Total QIP		\$ 5,984,620	\$ 505,787	\$ 195,130	\$ 64,145	\$ -	\$ 765,062	\$ 790,280
15									
16	304400	Structures & Improvement-T&D							
17	Recurring Projects		\$ 103,482	\$ 8,746	\$ 2,328	\$ 1,477	\$ -	\$ 12,550	\$ 12,964
18	Investment Projects		-	-	-	-	-	-	-
19	Total QIP		\$ 103,482	\$ 8,746	\$ 2,328	\$ 1,477	\$ -	\$ 12,550	\$ 12,964
20									
21	304500	Structures & Improvement - General							
22	Recurring Projects		\$ 79,609	\$ 6,728	\$ 937	\$ 1,120	\$ -	\$ 8,785	\$ 9,075
23	Investment Projects		755,963	63,890	12,005	14,354	-	90,249	93,224
24	Total QIP		\$ 835,572	\$ 70,618	\$ 12,942	\$ 15,474	\$ -	\$ 99,034	\$ 102,299
25									
26	304600	Struc & Imp-Offices							
27	Recurring Projects		\$ 9,417	\$ 796	\$ 106	\$ 127	\$ -	\$ 1,030	\$ 1,063
28	Investment Projects		-	-	-	-	-	-	-
29	Total QIP		\$ 9,417	\$ 796	\$ 106	\$ 127	\$ -	\$ 1,030	\$ 1,063
30									
31	304700	Struct & Imp-Store,Shop,Garage							
32	Recurring Projects		\$ 155	\$ 13	\$ (57)	\$ (106)	\$ -	\$ (151)	\$ (156)
33	Investment Projects		-	-	-	-	-	-	-
34	Total QIP		\$ 155	\$ 13	\$ (57)	\$ (106)	\$ -	\$ (151)	\$ (156)
35									
36	306000	Lake, River & Other Intakes							
37	Recurring Projects		\$ 29,229	\$ 2,470	\$ 252	\$ 410	\$ -	\$ 3,133	\$ 3,236
38	Investment Projects		-	-	-	-	-	-	-
39	Total QIP		\$ 29,229	\$ 2,470	\$ 252	\$ 410	\$ -	\$ 3,133	\$ 3,236
40									
41	309000	Supply Mains							
42	Recurring Projects		\$ 8,656	\$ 732	\$ 184	\$ 133	\$ -	\$ 1,049	\$ 1,084
43	Investment Projects		-	-	-	-	-	-	-
44	Total QIP		\$ 8,656	\$ 732	\$ 184	\$ 133	\$ -	\$ 1,049	\$ 1,084
45									

**Tennessee American Water Company
Safety and Environmental Compliance (SEC)
Investment Worksheet**

		6	7	8	9	10	11	12	
		=Cols 1 + 3 + 5 + B + C	=Col 6 x 8.451452%	=(Col 1+2+3)x Depreciation Rate	=(Col 4 x Prop Tax Rate) + (Col 4 x Franchise Rate)		=Cols 7 + 8 + 9 + 10	= Col 11 / (1 - 3.191%)	
SEC									
Line #	Investment by Plant Account	Account Description	Earnings Basis Net Investment (Rate Base)	Earnings Basis x Pre-Tax Return (PTR)	Depreciation Expense	Property Tax & Franchise Fees	Operational Expenses	Total Before Revenue Tax	Total With Revenue Tax
46	310000	Power Generation Equip							
47	Recurring Projects		\$ 26,563	\$ 2,245	\$ 5,324	\$ 583	\$ -	\$ 8,152	\$ 8,421
48	Investment Projects		-	-	-	-	-	-	-
49	Total QIP		\$ 26,563	\$ 2,245	\$ 5,324	\$ 583	\$ -	\$ 8,152	\$ 8,421
50									
51	311200	Pump Eqp Electric							
52	Recurring Projects		\$ 103,893	\$ 8,780	\$ (2,773)	\$ (1,529)	\$ -	\$ 4,479	\$ 4,626
53	Investment Projects		-	-	-	-	-	-	-
54	Total QIP		\$ 103,893	\$ 8,780	\$ (2,773)	\$ (1,529)	\$ -	\$ 4,479	\$ 4,626
55									
56	311520	Pumping Equipment SOS							
57	Recurring Projects		\$ 2,059,493	\$ 174,057	\$ 37,891	\$ 27,974	\$ -	\$ 239,922	\$ 247,831
58	Investment Projects		-	-	-	-	-	-	-
59	Total QIP		\$ 2,059,493	\$ 174,057	\$ 37,891	\$ 27,974	\$ -	\$ 239,922	\$ 247,831
60									
61	320100	WT Equip Non-Media							
62	Recurring Projects		\$ 3,666,513	\$ 309,874	\$ 31,265	\$ 38,753	\$ -	\$ 379,891	\$ 392,413
63	Investment Projects		10,043,568	848,827	116,022	143,811	-	1,108,660	1,145,204
64	Total QIP		\$ 13,710,081	\$ 1,158,701	\$ 147,287	\$ 182,564	\$ -	\$ 1,488,551	\$ 1,537,617
65									
66	320200	Water Trmt Equip Filter Media							
67	Recurring Projects		\$ 1,147,408	\$ 96,973	\$ 238,198	\$ 9,552	\$ -	\$ 344,723	\$ 356,086
68	Investment Projects		-	-	-	-	-	-	-
69	Total QIP		\$ 1,147,408	\$ 96,973	\$ 238,198	\$ 9,552	\$ -	\$ 344,723	\$ 356,086
70									
76	330200	Ground Level Tanks							
77	Recurring Projects		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
78	Investment Projects		291,723	24,655	6,923	3,414	-	34,991	36,144
79	Total QIP		\$ 291,723	\$ 24,655	\$ 6,923	\$ 3,414	\$ -	\$ 34,991	\$ 36,144
80									
91	340200	Computer & Peripheral Equipment							
92	Recurring Projects		\$ 63,467	\$ 5,364	\$ 1,721	\$ 1,061	\$ -	\$ 8,146	\$ 8,414
93	Investment Projects		-	-	-	-	-	-	-
94	Total QIP		\$ 63,467	\$ 5,364	\$ 1,721	\$ 1,061	\$ -	\$ 8,146	\$ 8,414
95									
96	340300	Computer Software							
97	Recurring Projects		\$ 124,563	\$ 10,527	\$ 2,279	\$ 1,683	\$ -	\$ 14,490	\$ 14,967
98	Investment Projects		-	-	-	-	-	-	-
99	Total QIP		\$ 124,563	\$ 10,527	\$ 2,279	\$ 1,683	\$ -	\$ 14,490	\$ 14,967
100									
101	340330	Computer Software Other							
102	Recurring Projects		\$ 1,224	\$ 103	\$ 22	\$ 17	\$ -	\$ 142	\$ 147
103	Investment Projects		-	-	-	-	-	-	-
104	Total QIP		\$ 1,224	\$ 103	\$ 22	\$ 17	\$ -	\$ 142	\$ 147
105									

Tennessee American Water Company
Safety and Environmental Compliance (SEC)
Investment Worksheet

			6	7	8	9	10	11	12
SEC			=Cols 1 + 3 + 5 + B + C	=Col 6 x 8.451452%	=(Col 1+2+3)x Depreciation Rate	=(Col 4 x Prop Tax Rate) + (Col 4 x Franchise Rate)		=Cols 7 + 8 + 9 + 10	= Col 11 / (1 - 3.191%)
Line #	Investment by Plant Account	Account Description	Earnings Basis Net Investment (Rate Base)	Earnings Basis x Pre-Tax Return (PTR)	Depreciation Expense	Property Tax & Franchise Fees	Operational Expenses	Total Before Revenue Tax	Total With Revenue Tax
106	343000	Tools, Shop, Garage Equipment							
107	Recurring Projects		\$ 3,897	\$ 329	\$ 49	\$ 10	\$ -	\$ 388	\$ 401
108	Investment Projects		-	-	-	-	-	-	-
109	Total QIP		\$ 3,897	\$ 329	\$ 49	\$ 10	\$ -	\$ 388	\$ 401
110									
111	344000	Laboratory Equipment							
112	Recurring Projects		\$ 12,027	\$ 1,016	\$ (1,458)	\$ (1,951)	\$ -	\$ (2,392)	\$ (2,471)
113	Investment Projects		-	-	-	-	-	-	-
114	Total QIP		\$ 12,027	\$ 1,016	\$ (1,458)	\$ (1,951)	\$ -	\$ (2,392)	\$ (2,471)
115									
116	345000	Power Operated Equipment							
117	Recurring Projects		\$ 45,193	\$ 3,819	\$ 2,652	\$ 510	\$ -	\$ 6,981	\$ 7,211
118	Investment Projects		-	-	-	-	-	-	-
119	Total QIP		\$ 45,193	\$ 3,819	\$ 2,652	\$ 510	\$ -	\$ 6,981	\$ 7,211
120									
121	346100	Comm Equip Non-Telephone							
122	Recurring Projects		\$ 17,860	\$ 1,509	\$ 1,474	\$ 473	\$ -	\$ 3,457	\$ 3,571
123	Investment Projects		-	-	-	-	-	-	-
124	Total QIP		\$ 17,860	\$ 1,509	\$ 1,474	\$ 473	\$ -	\$ 3,457	\$ 3,571
125									
126	346190	Remote Control & Instrument							
127	Recurring Projects		\$ 726,632	\$ 61,411	\$ 35,540	\$ 11,406	\$ -	\$ 108,357	\$ 111,929
128	Investment Projects		267,524	22,610	12,053	3,868	-	38,531	39,801
129	Total		\$ 994,156	\$ 84,021	\$ 47,593	\$ 15,274	\$ -	\$ 146,888	\$ 151,729
130									
131	347000	Misc Equipment							
132	Recurring Projects		\$ 12,294	\$ 1,039	\$ 317	\$ 68	\$ -	\$ 1,424	\$ 1,470
133	Investment Projects		3,641	308	376	80	-	764	790
134	Total		\$ 15,935	\$ 1,347	\$ 693	\$ 148	\$ -	\$ 2,188	\$ 2,260
135									
136	Expense:								
137	Chemical Expense for Wasterwater handling:		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
138	Electric Power Expense for Wasterwater handling:		-	-	-	-	-	-	-
139	Hauling Expense for Wasterwater handling:		-	-	-	-	-	-	-
140	Total		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
141									
142	Total		\$ 27,751,939	\$ 2,345,442	\$ 736,617	\$ 347,250	\$ -	\$ 3,429,309	\$ 3,542,345

**Authorization of Tennessee American Water Capital Recovery Riders
Since Last Rate Case (Docket No. 12-00049)**

TPUC Docket No.	Effective Date	Rider	Authorized Annual Change	Total Cumulative Rider	Reconciliation Authorized	Individual Authorized Rider Total	Capital Riders Cumulative Total	TCJA Offset	Impact to Bill
13-00130	4/15/2014	QIIP	0.790%	0.790%	0.000%	0.790%			
		EDI	0.180%	0.180%	0.000%	0.180%			
		SEC	0.110%	0.110%	0.000%	0.110%			
		Total	1.080%		0.000%		1.080%	0.00%	1.080%
14-00121	6/30/2015	QIIP	1.340%	2.130%	0.000%	2.130%			
		EDI	-0.130%	0.050%	0.000%	0.050%			
		SEC	3.430%	3.540%	0.000%	3.540%			
		Total	4.640%		0.000%		5.720%	0.00%	5.720%
15-00029*	11/1/2015	QIIP	0.000%	2.130%	0.254%	2.384%			
		EDI	0.000%	0.050%	-0.150%	-0.100%			
		SEC	0.000%	3.540%	0.064%	3.604%			
		Total	0.000%	5.720%	0.168%		5.888%	0.00%	5.888%
15-00111	3/15/2016	QIIP	2.430%	4.560%	0.000%	4.560%			
		EDI	0.050%	0.100%	0.000%	0.100%			
		SEC	2.180%	5.720%	0.000%	5.720%			
		Total	4.660%		0.000%		10.380%	0.00%	10.380%
16-00022*	10/11/2016	QIIP	0.000%	4.560%	1.166%	5.726%			
		EDI	0.000%	0.100%	-0.178%	-0.078%			
		SEC	0.000%	5.720%	-0.118%	5.602%			
		Total	0.000%		0.870%		11.250%	0.00%	11.250%
16-00126	3/14/2017	QIIP	2.960%	7.520%	0.000%	7.520%			
		EDI	0.240%	0.340%	0.000%	0.340%			
		SEC	0.370%	6.090%	0.000%	6.090%			
		Total	3.570%		0.000%		13.950%	0.00%	13.950%
17-00020*	8/16/2017	QIIP	0.000%	7.520%	1.763%	9.283%			
		EDI	0.000%	0.340%	-0.031%	0.309%			
		SEC	0.000%	6.090%	-0.826%	5.264%			
		Total	0.000%		0.906%		14.856%	0.00%	14.856%
17-00124	4/10/2018	QIIP	2.530%	10.050%	0.000%	10.050%			
		EDI	0.070%	0.410%	0.000%	0.410%			
		SEC	-0.120%	5.970%	0.000%	5.970%			
		Total	2.480%		0.000%		16.430%	0.00%	16.430%
18-00022*	Pending	QIIP	0.000%	10.050%	2.718%	12.768%			
		EDI	0.000%	0.410%	-0.045%	0.365%			
		SEC	0.000%	5.970%	0.121%	6.091%			
		Total	0.000%		2.794%		19.224%	0.00%	19.224%
Proposed	1/1/2019	QIIP	2.750%	12.800%	0.000%	12.800%			
		EDI	0.270%	0.680%	0.000%	0.680%			
		SEC	1.550%	7.520%	0.000%	7.520%			
		Total	4.570%		0.000%		21.000%	-4.57%	16.430%

* Reconciliations are only effective until December 31 of the year authorized by the TPUC.

CLASSIFICATION OF SERVICEECONOMIC DEVELOPMENT INVESTMENT PROGRAM – RIDER**1. Applicability**

In addition to the other charges provided for in this Tariff under Service Classifications Residential, Commercial, Industrial, Other Public Authority, Sales for Resale, and Private Fire, a Economic Development Investment Program (“EDI”) Rider will apply to customers in all service areas.

The above rider will be recomputed annually and be adjusted periodically to incorporate the Annual Reconciliation Factor.

2. Definitions

For the purposes of this Rider:

“Actual EDI Investment Amount” means the amount of actual capital investment and associated operating expenses of the Company for the Economic Development Investment Program and not otherwise included in current base rates. At the time of the Company’s next general rate case proceeding, all prudently incurred Actual EDI Investment Amounts associated with this Rider shall be included in base rates.

“Annual Reconciliation Factor” means an adjustment factor to true-up rates from forecasted costs to the actual costs incurred through application of 1) the Budget-to-Actual Adjustment and 2) the Over-Under Collection Adjustment, and the 3) Earnings Test Adjustment, as adjusted for Interest.

“Annual Review Period” means the twelve-month period between the annual adjustments of the EDI Percentage Rate. For the first year beyond the attrition year of the base rate case, this review period may be shorter or longer than a twelve-month period to cover expenditures between the attrition year and the start of the subsequent calendar year.

“Commission” means the Tennessee Public Utility Commission.

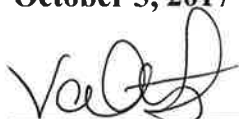
“Budget-to-Actual Adjustment” means the adjustment to EDI for the applicable coming annual period due to the difference between the Forecasted EDI Investment and Expense Amount and the Actual EDI Investment and Expense Amount.

(T) Denotes Change in text

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BY:



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“Consumer Advocate” means the Consumer Advocate and Protection Division of the Office of the Tennessee Attorney General.

“Forecasted EDI Investment Amount” means the amount of forecasted capital investment of the Company for the Economic Development Investment Program and not otherwise included in current base rates.

(T) **“Over-Under Collection Adjustment”** means the adjustment to EDI for the applicable coming annual period due to the net amount of over or under collections. This will include over-under collections from the annual review period EDI and any remaining balance of the over-under collection from the prior reconciliation of the EDI.

“Relevant Rate Order” means the final order of the Commission in the most recent rate case of the Company fixing the rates of the Company or the most recent final order of the Commission specifically prescribing or fixing the factors and procedures to be used in the application of this Rider.

3. General Description

EDI allows the Company to recover outside of a rate case its qualifying incremental non-revenue producing plant infrastructure investment and expenses. For purposes of this Rider, qualifying EDI investment includes the following:

Distribution, Production, and Other Infrastructure – Distribution, production, and other infrastructure that may be identified as being for the purpose of economic development.

Economic Development Expenses – Operational expenses that are specifically to support economic development and economic development investment utility plant.

EDI Investment is to be identifiable on the Company’s books and segregated into the following general accounts:

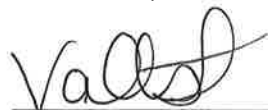
Account 331 – Transmission & Distribution Mains;
Account 333 – Services;
Account 334 – Meters & Meter Installations;
Account 335 – Hydrants;
Account 320 – Water Treatment Equipment, Non-Media;
Account 311 – Pumping Equipment;
Account 303 – Land and Land Rights;
Account 304 – Structures and Improvements;

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Account 306 – Lake, River and Other Intakes;
 Account 307 – Wells and Springs;
 Account 309 – Supply Mains;
 Account 310 – Power Generation Equipment;
 Account 330 – Distribution Reservoirs and Standpipes; and
 Account 330003 – Capitalized Tank Painting.

4. Determination of the Economic Development Investment Program Percentage Rate

- (A) The EDI percentage shall be expressed as a percentage carried to two (2) decimal places. The EDI percentage shall be applied to the total amount billed to each Customer based on the Company's otherwise applicable rates and charges.
- (B) The EDI percentage shall be calculated on an annual prospective basis as follows:

FORECASTED EDI Investment Amount

Less EDI Plant Retirements (Net of Cost of Removal & Salvage)

Less Contributions in Aid of Construction

Less Accumulated Depreciation

Less Accumulated Deferred Income Taxes

Net Forecasted EDI Qualifying Investment

Multiplied by the Pre-Tax ROR set forth in the Relevant Rate Order

Allowed Forecasted EDI Pre-Tax Return

Plus Depreciation Expense

Plus Property Taxes

Plus Franchise Taxes

Plus Economic Development Operational Expenses

Subtotal Forecasted EDI Revenue Requirement Before Revenue Tax

Divided by 1 minus the following:

Forfeited Discounts Rate

Plus Uncollectible Expense Rate

Plus Gross Receipts Tax Rate

Total Forecasted EDI Revenue Requirement

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Divided by Relevant Rate Order Volumetric & Metered Revenue

EDI Percentage Rate

Where:

Accumulated Depreciation = Accumulated depreciation calculated by debiting for Forecasted EDI plant removed from service, and crediting for new accumulations using rates approved in the Relevant Rate Order on new investments, less retirements and CIAC.

Accumulated Deferred Income Taxes = An average of the forecasted accumulated deferred income taxes related to qualified forecasted EDI investment at the beginning and end of the year.

Contributions in Aid of Construction = Non-investor supplied funds used in the construction of forecasted EDI infrastructure.

Depreciation Expense = Forecasted cumulative qualified EDI investment net of retirements and CIAC, multiplied by depreciation rates approved in the Relevant Rate Order.

Forfeited Discount Rate = Forecasted EDI Revenue Requirement before gross receipts taxes, uncollectible expense and forfeited discounts multiplied by composite forfeited discount factor approved in the Relevant Rate Order.

Franchise Taxes = Forecasted cumulative qualified EDI investment multiplied by composite franchise tax rate approved in the Relevant Rate Order.

Gross Receipts Tax Rate = Forecasted EDI Revenue Requirement before gross receipts taxes, uncollectible expense and forfeited discounts multiplied by composite gross receipts tax rate approved in the Relevant Rate Order.

Property Taxes = Forecasted cumulative qualified EDI investment multiplied by composite property tax rate approved in the Relevant Rate Order.

EDI Plant Retirements = Forecasted EDI plant removed from service net of any associated cost of removal and salvage.

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Forecasted EDI Investment Amount = Average forecasted EDI additions to plant infrastructure as described in Section 3, computed by use of average of 12 end-of-month balances.

Economic Development Expenses = the incremental operational expenses that are specifically to support economic development or economic development utility plant.

Uncollectible Expense = Forecasted EDI Revenue Requirement before gross receipts taxes, uncollectible expense and forfeited discounts multiplied by composite uncollectible factor approved in the Relevant Rate Order.

Volumetric & Metered Revenue = the revenues authorized in the Relevant Rate Order for volumetric water sales, meter charges, and private fire service charges.

- (C) The total amount to be recovered through the EDI is the EDI Percentage Rate as adjusted for the Annual Reconciliation Factor Percentage Rate.

5. Determination of the Annual Reconciliation Factor Percentage Rate

- (A) The Annual Reconciliation Factor Percentage shall be expressed as a percentage carried to two (2) decimal places. The Annual Reconciliation Factor Percentage shall be applied to the total amount billed to each Customer based on the Company's otherwise applicable rates and charges.

- (B) The Annual Reconciliation Factor Percentage Rate will be computed as follows:

Budget-to-Actual Adjustment
 Plus Over-Under Collection Adjustment
 Plus Earnings Test Adjustment
Plus Interest
 Annual Reconciliation Amount

Divided by 9/12 of the Relevant Rate Order Volumetric & Metered Revenue

Annual Reconciliation Factor Percentage Rate

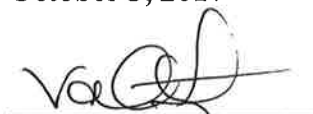
- (C) Computation of the Budget-to-Actual Adjustment.

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The Budget-to-Actual Adjustment will be computed as follows:

ACTUAL EDI Investment Amount for the Annual Review Period
 Less EDI Plant Retirements (Net of Cost of Removal & Salvage)
 Less Contributions in Aid of Construction
 Less Accumulated Depreciation
Less Accumulated Deferred Income Taxes
 Net Actual EDI Qualifying Investment

Multiplied by the Pre-Tax ROR set forth in the Relevant Rate Order

Allowed Actual EDI Pre-Tax Return
 Plus Depreciation Expense
 Plus Property Taxes
 Plus Franchise Taxes
Plus Economic Development Operational Expenses
 Subtotal Actual EDI Revenue Requirement Before Revenue Tax

Divided by 1 minus the following:

Forfeited Discounts Rate
 Plus Uncollectible Expense Rate
Plus Gross Receipts Tax Rate
 Total Actual EDI Revenue Requirement

Less Total Forecasted EDI Revenue Requirement

Budget-to-Actual Adjustment

Where:

Accumulated Depreciation = Accumulated depreciation calculated by debiting for Forecasted EDI plant removed from service, and crediting for new accumulations using rates approved in the Relevant Rate Order on new investments, less retirements and CIAC

Accumulated Deferred Income Taxes = An average of the actual accumulated deferred income taxes related to actual EDI investment at the beginning and end of the year.

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Contributions in Aid of Construction = Non-investor supplied funds used in the construction of actual EDI infrastructure.

Depreciation Expense = Actual cumulative qualified EDI investment net of retirements and CIAC multiplied by depreciation rates approved in the Relevant Rate Order.

Forfeited Discount Rate = Actual EDI Revenue Requirement before gross receipts taxes, uncollectible expense and forfeited discounts multiplied by composite forfeited discount factor approved in the Relevant Rate Order.

Franchise Taxes = Actual cumulative qualified EDI investment multiplied by composite franchise tax rate approved in the Relevant Rate Order.

Gross Receipts Tax Rate = Actual EDI Revenue Requirement before gross receipts taxes, uncollectible expense and forfeited discounts multiplied by composite gross receipts tax rate approved in the Relevant Rate Order.

Property Taxes = Actual cumulative qualified EDI investment multiplied by composite property tax rate approved in the Relevant Rate Order.

EDI Plant Retirements = Actual EDI plant removed from service net of any associated cost of removal and salvage.

Actual EDI Investment Amount = Average actual EDI additions to plant infrastructure as described in Section 3, computed by use of average of 12 end-of-month balances.

Economic Development Expenses = the incremental operational expenses that are specifically to support economic development or economic development utility plant.

Uncollectible Expense = Actual EDI Revenue Requirement before gross receipts taxes, uncollectible expense and forfeited discounts multiplied by composite uncollectible factor approved in the Relevant Rate Order.

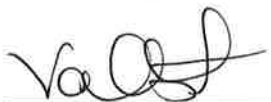
Volumetric & Metered Revenue = the revenues authorized in the Relevant Rate Order for volumetric water sales, meter charges, and private fire service charges.

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(D) Computation of the Over-Under Collection Adjustment.

- (T) The Company will identify and record the total amount of the EDI Collected from Customers for the Annual Review Period. The difference between the Total EDI Collected from Customers and the Total Budgeted EDI Revenue Requirement shall constitute the Over-Under Collection Adjustment. This adjustment shall include any remaining Over-Under amount from the prior period reconciliation during the Annual Review Period in addition to the Over-Under collection amount for the EDI during the Annual Review Period.
- (T)
- (T)

(E) Computation of the Earnings Test Adjustment.

If the earnings attained by the Company for the Annual Review Period exceed the earnings allowed for the Annual Review Period by applying the overall rate of return authorized in the Relevant Rate Order, then any such earnings difference shall constitute the Earnings Test Adjustment. If the earnings attained by the Company for the Annual Review Period are less than the earnings allowed for the Annual Review Period by applying the overall rate of return authorized in the Relevant Rate Order, then no Earnings Test Adjustment shall be recognized.

Any Earnings Test Adjustment shall be allocated among the Qualified Infrastructure Improvement Program Rider, the Economic Development Investment Rider, and the Safety and Environmental Compliance Rider based on the pro-rata revenues collected under these riders for the Annual Review Period for purposes of computing new rate adjustments.

(F) Computation of Interest.

Interest will be computed as follows:

Budget-to-Actual Adjustment
Plus Over-Under Collection Adjustment
Plus Earnings Test Adjustment

Total Amount Subject to Interest
Interest Rate Multiplied by 50%

Total Interest

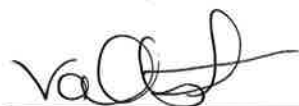
Where "Interest Rate" equals the prime rate value published in the "Federal Reserve Bulletin" or in the Federal Reserve's "Selected Interest Rates" for the most recent preceding month.

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6. New Base Rates

The EDI rider will be reset at zero upon the establishment of new base rates to customer billings that provide for the prospective recovery of the annual costs that had theretofore been recovered under the EDI. Thereafter, only the costs of new EDI eligible plant additions that have not previously been reflected in the Company's rate base, would be reflected in new annual prospective EDI filings.

7. Annual EDI Percentage Rate Filing

On or before December 1 of each year, the Company shall submit to the Commission a calculation of the EDI Percentage Rate for the following calendar year. The Annual EDI Percentage Rate Filing shall be verified by an officer of the Company. The Annual EDI Percentage Rate Filing shall include a calculation to adjust revenue to recover costs related to the Forecasted EDI Investment Amount, with such revenue adjustment applied through the EDI Percentage Rate. The EDI Percentage Rate shall become effective on January 1 of each year and be applied as an adjustment to Customers' bills for the remainder of the calendar year.

The Company will include in its Annual EDI Percentage Rate Filing the following information at a minimum: (a) computation of the EDI Percentage Rate, including the detailed calculation of each component, (b) a budget of the Forecasted EDI Investment Amount and Forecasted Economic Development Operational Expenses adopted by the Company's Board of Directors, (c) any related Strategic Capital Expenditures Plans, (d) statements demonstrating how each projected capital investment comprising the Forecasted EDI Investment Amount and each projected operational expense comprising the Forecasted Economic Development Operational Expenses meet the requirements for recovery under this Rider set forth in Section 3, and (e) such other information as the Commission may direct.

The Company will simultaneously copy the Consumer Advocate on its Annual EDI Percentage Rate Filing.

8. Annual Reconciliation Filing with the Commission

On or before March 1 of each year, the Company shall submit to the Commission a reconciliation of the results of the operation of the EDI for the previous Annual Review Period. The Annual Reconciliation Filing shall be verified by an officer of the Company. The annual reconciliation shall include a calculation to adjust revenue collected under this EDI Rider in effect for the prior Annual Review Period to an amount equivalent to the actual level of prudently-incurred EDI cost for the prior Annual Review Period, with such revenue adjustment applied through the Annual Reconciliation Factor Percentage Rate. The Annual Reconciliation Factor Percentage Rate shall become effective on

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April 1 of each year and be applied as an adjustment to Customers' bills for the remainder of the calendar year.

The Company will include in its Annual Reconciliation Filing the following information at a minimum: (a) a schedule of all journal entries made related to this Rider for the Annual Review Period, including any related general ledger support, (b) actual billing determinants by month as used in the computation of the Total EDI Collected from Customers for the Annual Review Period, (c) capitalization policy effective for the Annual Review Period, (d) computation of the Annual Reconciliation Factor Percentage Rate, including the detailed calculation of each component, (e) schedules of the Actual EDI Investment Amount and Actual Economic Development Operational Expenses, including related general ledger support, (f) a schedule of any proposed prior period adjustments, (g) an affirmative statement of whether the Company is aware of any changes in market conditions or other factors that may affect whether the Rider is still in the public interest, including the identification of such factors if they exist, (h) the cumulative amount of EDI collected from customers under this Rider, and (i) such other information as the Commission may direct.

The Company will simultaneously copy the Consumer Advocate on its Annual Reconciliation Filing.

9. Notice Requirements

The Company will file revised tariffs for Commission approval upon 30 days' notice to implement a decrement or an increment each January 1 and April 1. Along with the tariff filing, the Company will include a copy of the computation of the new rate adjustment. The Company will simultaneously copy the Consumer Advocate on this filing.

10. Public Interest Review

Nothing herein shall be construed to eliminate or otherwise restrict the opportunity of the Consumer Advocate or any other interested party from seeking a review of this Rider, as permitted by law and the rules and regulations of the Commission, for a reconsideration of whether it remains in the public interest.

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CLASSIFICATION OF SERVICE**QUALIFIED INFRASTRUCTURE IMPROVEMENT PROGRAM – RIDER****1. Applicability**

In addition to the other charges provided for in this Tariff under Service Classifications Residential, Commercial, Industrial, Other Public Authority, Sales for Resale, and Private Fire, a Qualified Infrastructure Improvement Program (“QIIP”) Rider will apply to customers in all service areas.

The above rider will be recomputed annually and be adjusted periodically to incorporate the Annual Reconciliation Factor.

2. Definitions

For the purposes of this Rider:

“**Actual QIIP Investment Amount**” means the amount of actual capital investment of the Company for the Qualified Infrastructure Improvement Program and not otherwise included in current base rates. At the time of the Company’s next general rate case proceeding, all prudently incurred Actual QIIP Investment Amounts associated with this Rider shall be included in base rates.

“**Annual Reconciliation Factor**” means an adjustment factor to true-up rates from forecasted costs to the actual costs incurred through application of 1) the Budget-to-Actual Adjustment and 2) the Over-Under Collection Adjustment, and the 3) Earnings Test Adjustment, as adjusted for Interest.

“**Annual Review Period**” means the twelve-month period between the annual adjustments of the QIIP Percentage Rate.

“**Commission**” means the Tennessee Public Utility Commission.

“**Budget-to-Actual Adjustment**” means the adjustment to QIIP for the applicable coming annual period due to the difference between the Forecasted QIIP Investment Amount and the Actual QIIP Investment Amount.

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ISSUED: October 3, 2017**EFFECTIVE: November 2, 2017****BY:**

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“Consumer Advocate” means the Consumer Advocate and Protection Division of the Office of the Tennessee Attorney General.

“Forecasted QIIP Investment Amount” means the amount of forecasted capital investment of the Company for the Qualified Infrastructure and Investment Program and not otherwise included in current base rates.

(T) **“Over-Under Collection Adjustment”** means the adjustment to QIIP for the applicable
(T) coming annual period due to the net amount of over or under collections. This will include
(T) over-under collections from the annual review period EDI and any remaining balance of the
(T) over-under collection from the prior reconciliation of the EDI.

“Relevant Rate Order” means the final order of the Commission in the most recent rate case of the Company fixing the rates of the Company or the most recent final order of the Commission specifically prescribing or fixing the factors and procedures to be used in the application of this Rider.

3. General Description

QIIP allows the Company to recover outside of a rate case its qualifying incremental non-revenue producing plant infrastructure investment. For purposes of this Rider, qualifying QIIP investment includes the following:

Distribution Infrastructure – Replacement distribution and transmission mains and valves installed as replacements for existing facilities, reinforcement of existing facilities or otherwise insuring reliability of existing facilities; Hydrants, Services, Meters and Meter Installations – installed as in-kind replacements, reinforcements or insuring reliability of existing facilities; Unreimbursed funds related to capital projects to relocate facilities required by governmental highway projects; Capitalized tank repairs and maintenance that serve to replace, reinforce, or otherwise insure reliability of existing facilities.

Production and Pumping Infrastructure – Replacement of water treatment facilities and equipment installed as replacements for existing facilities, reinforcement of existing facilities or otherwise insuring reliability of existing facilities; Raw Water and Finished Water pumping equipment and structures installed as replacements, reinforcements or otherwise insuring reliability of existing facilities.

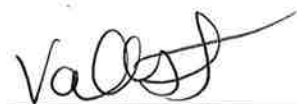
Other Infrastructure – Infrastructure designed to utilize alternative fuels.

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QIIP Investment is to be identifiable on the Company's books and segregated into the following general accounts:

Account 331 – Transmission & Distribution Mains;
 Account 333 – Services;
 Account 334 – Meters & Meter Installations;
 Account 335 – Hydrants;
 Account 320 – Water Treatment Equipment, Non-Media;
 Account 311 – Pumping Equipment;
 Account 303 – Land and Land Rights;
 Account 304 – Structures and Improvements;
 Account 306 – Lake, River and Other Intakes;
 Account 307 – Wells and Springs;
 Account 309 – Supply Mains;
 Account 310 – Power Generation Equipment
 Account 330 – Distribution Reservoirs and Standpipes;
 Account 341 – Transportation Equipment; and
 Account 330003 – Capitalized Tank Painting.

4. Determination of the Qualified Infrastructure Improvement Program Percentage Rate

- (A) The QIIP percentage shall be expressed as a percentage carried to two (2) decimal places. The QIIP percentage shall be applied to the total amount billed to each Customer based on the Company's otherwise applicable rates and charges.
- (B) The QIIP percentage shall be calculated on an annual prospective basis as follows:

FORECASTED QIIP Investment Amount

Less QIIP Plant Retirements (Net of Cost of Removal & Salvage)

Less Contributions in Aid of Construction

Less Accumulated Depreciation

Less Accumulated Deferred Income Taxes

Net Forecasted QIIP Qualifying Investment

Multiplied by the Pre-Tax ROR set forth in the Relevant Rate Order

Allowed Forecasted QIIP Pre-Tax Return

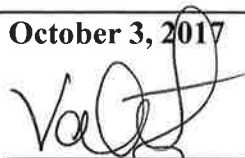
Plus Depreciation Expense

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Plus Property Taxes
 Plus Franchise Taxes
 Subtotal Forecasted QIIP Revenue Requirement Before Revenue Tax

Divided by 1 minus the following:
 Forfeited Discounts Rate
 Plus Uncollectible Expense Rate
 Plus Gross Receipts Tax Rate
 Total Forecasted QIIP Revenue Requirement

Divided by Relevant Rate Order Volumetric & Metered Revenue

QIIP Percentage Rate

Where:

Accumulated Depreciation = Accumulated depreciation calculated by debiting for Forecasted QIIP plant removed from service, and crediting for new accumulations using rates approved in the Relevant Rate Order on new investments, less retirements and CIAC.

Accumulated Deferred Income Taxes = An average of the forecasted accumulated deferred income taxes related to qualified forecasted QIIP investment at the beginning and end of the year.

Contributions in Aid of Construction = Non-investor supplied funds used in the construction of forecasted QIIP infrastructure.

Depreciation Expense = Forecasted cumulative qualified QIIP investment net of retirements and CIAC, multiplied by depreciation rates approved in the Relevant Rate Order.

Forfeited Discount Rate = Forecasted QIIP Revenue Requirement before gross receipts taxes, uncollectible expense and forfeited discounts multiplied by composite forfeited discount factor approved in the Relevant Rate Order.

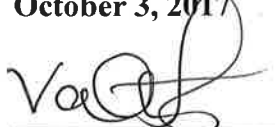
Franchise Taxes = Forecasted cumulative qualified QIIP investment multiplied by composite franchise tax rate approved in the Relevant Rate Order.

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Gross Receipts Tax Rate = Forecasted QIIP Revenue Requirement before gross receipts taxes, uncollectible expense and forfeited discounts multiplied by composite gross receipts tax rate approved in the Relevant Rate Order.

Property Taxes = Forecasted cumulative qualified QIIP investment multiplied by composite property tax rate approved in the Relevant Rate Order.

QIIP Plant Retirements = Forecasted QIIP plant removed from service net of any associated cost of removal and salvage.

Forecasted QIIP Investment Amount = Average forecasted QIIP additions to plant infrastructure as described in Section 3, computed by use of average of 12 end-of-month balances.

Uncollectible Expense = Forecasted QIIP Revenue Requirement before gross receipts taxes, uncollectible expense and forfeited discounts multiplied by composite uncollectible factor approved in the Relevant Rate Order.

Volumetric & Metered Revenue = the revenues authorized in the Relevant Rate Order for volumetric water sales, meter charges, and private fire service charges.

- (C) The total amount to be recovered through the QIIP is the QIIP Percentage Rate as adjusted for the Annual Reconciliation Factor Percentage Rate.

5. Determination of the Annual Reconciliation Factor Percentage Rate

- (A) The Annual Reconciliation Factor Percentage shall be expressed as a percentage carried to two (2) decimal places. The Annual Reconciliation Factor Percentage shall be applied to the total amount billed to each Customer based on the Company's otherwise applicable rates and charges.
- (B) The Annual Reconciliation Factor Percentage Rate will be computed as follows:

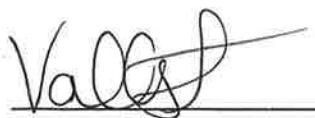
Budget-to-Actual Adjustment
Plus Over-Under Collection Adjustment

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BY:


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Plus Earnings Test Adjustment
Plus Interest
 Annual Reconciliation Amount

Divided by 9/12 of the Relevant Rate Order Volumetric & Metered Revenue

Annual Reconciliation Factor Percentage Rate

(C) Computation of the Budget-to-Actual Adjustment.

The Budget-to-Actual Adjustment will be computed as follows:

ACTUAL QIIP Investment Amount for the Annual Review Period
 Less QIIP Plant Retirements (Net of Cost of Removal & Salvage)
 Less Contributions in Aid of Construction
 Less Accumulated Depreciation
Less Accumulated Deferred Income Taxes
 Net Actual QIIP Qualifying Investment

Multiplied by the Pre-Tax ROR set forth in the Relevant Rate Order

Allowed Actual QIIP Pre-Tax Return
 Plus Depreciation Expense
 Plus Property Taxes
Plus Franchise Taxes
 Subtotal Actual QIIP Revenue Requirement Before Revenue Tax

Divided by 1 minus the following:

Forfeited Discounts Rate
 Plus Uncollectible Expense Rate
Plus Gross Receipts Tax Rate
 Total Actual QIIP Revenue Requirement

Less Total Forecasted QIIP Revenue Requirement

Budget-to-Actual Adjustment

Where:

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Accumulated Depreciation = Accumulated depreciation calculated by debiting for Forecasted QIIP plant removed from service, and crediting for new accumulations using rates approved in the Relevant Rate Order on new investments, less retirements and CIAC

Accumulated Deferred Income Taxes = An average of the actual accumulated deferred income taxes related to actual QIIP investment at the beginning and end of the year.

Contributions in Aid of Construction = Non-investor supplied funds used in the construction of actual QIIP infrastructure.

Depreciation Expense = Actual cumulative qualified QIIP investment net of retirements and CIAC multiplied by depreciation rates approved in the Relevant Rate Order.

Forfeited Discount Rate = Actual QIIP Revenue Requirement before gross receipts taxes, uncollectible expense and forfeited discounts multiplied by composite forfeited discount factor approved in the Relevant Rate Order.

Franchise Taxes = Actual cumulative qualified QIIP investment multiplied by composite franchise tax rate approved in the Relevant Rate Order.

Gross Receipts Tax Rate = Actual QIIP Revenue Requirement before gross receipts taxes, uncollectible expense and forfeited discounts multiplied by composite gross receipts tax rate approved in the Relevant Rate Order.

Property Taxes = Actual cumulative qualified QIIP investment multiplied by composite property tax rate approved in the Relevant Rate Order.

QIIP Plant Retirements = Actual QIIP plant removed from service net of any associated cost of removal and salvage.

Actual QIIP Investment Amount = Average actual QIIP additions to plant infrastructure as described in Section 3, computed by use of average of 12 end-of-month balances.

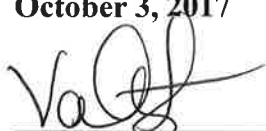
Uncollectible Expense = Actual QIIP Revenue Requirement before gross receipts taxes, uncollectible expense and forfeited discounts multiplied by composite uncollectible factor approved in the Relevant Rate Order.

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Volumetric & Metered Revenue = the revenues authorized in the Relevant Rate Order for volumetric water sales, meter charges, and private fire service charges.

(D) Computation of the Over-Under Collection Adjustment.

(T) The Company will identify and record the total amount of the QIIP Collected from
(T) Customers for the Annual Review Period. The difference between the Total QIIP Collected
(T) from Customers and the Total Budgeted QIIP Revenue Requirement shall constitute the
Over-Under Collection Adjustment. . This adjustment shall include any remaining Over-
Under amount from the prior period reconciliation during the Annual Review Period in
addition to the Over-Under collection amount for the EDI during the Annual Review Period.

(E) Computation of the Earnings Test Adjustment.

If the earnings attained by the Company for the Annual Review Period exceed the earnings allowed for the Annual Review Period by applying the overall rate of return authorized in the Relevant Rate Order, then any such earnings difference shall constitute the Earnings Test Adjustment. If the earnings attained by the Company for the Annual Review Period are less than the earnings allowed for the Annual Review Period by applying the overall rate of return authorized in the Relevant Rate Order, then no Earnings Test Adjustment shall be recognized.

Any Earnings Test Adjustment shall be allocated among the Qualified Infrastructure Improvement Program Rider, the Economic Development Investment Rider, and the Safety and Environmental Compliance Rider based on the pro-rata revenues collected under these riders for the Annual Review Period for purposes of computing new rate adjustments.

(F) Computation of Interest.

Interest will be computed as follows:

Budget-to-Actual Adjustment
Plus Over-Under Collection Adjustment
Plus Earnings Test Adjustment

Total Amount Subject to Interest
Interest Rate Multiplied by 50%

Total Interest

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Where "Interest Rate" equals the prime rate value published in the "Federal Reserve Bulletin" or in the Federal Reserve's "Selected Interest Rates" for the most recent preceding month.

6. New Base Rates

The QIIP rider will be reset at zero upon the establishment of new base rates to customer billings that provide for the prospective recovery of the annual costs that had theretofore been recovered under the QIIP. Thereafter, only the costs of new QIIP eligible plant additions that have not previously been reflected in the Company's rate base, would be reflected in new annual prospective QIIP filings.

7. Annual QIIP Percentage Rate Filing

On or before December 1 of each year, the Company shall submit to the Commission a calculation of the QIIP Percentage Rate for the following calendar year. The Annual QIIP Percentage Rate Filing shall be verified by an officer of the Company. The Annual QIIP Percentage Rate Filing shall include a calculation to adjust revenue to recover costs related to the Forecasted QIIP Investment Amount, with such revenue adjustment applied through the QIIP Percentage Rate. The QIIP Percentage Rate shall become effective on January 1 of each year and be applied as an adjustment to Customers' bills for the remainder of the calendar year.

The Company will include in its Annual QIIP Percentage Rate Filing the following information at a minimum: (a) computation of the QIIP Percentage Rate, including the detailed calculation of each component, (b) a budget of the Forecasted QIIP Investment Amount adopted by the Company's Board of Directors, (c) any related Strategic Capital Expenditures Plans, (d) a statement demonstrating how each projected capital investment comprising the Forecasted QIIP Investment Amount meets the requirements for recovery under this Rider set forth in Section 3, and (e) such other information as the Commission may direct.

The Company will simultaneously copy the Consumer Advocate on its Annual QIIP Percentage Rate Filing.

8. Annual Reconciliation Filing with the Commission

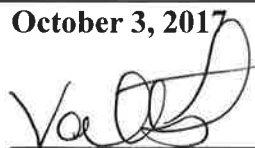
On or before March 1 of each year, the Company shall submit to the Commission a reconciliation of the results of the operation of the QIIP for the previous Annual Review Period. The Annual Reconciliation Filing shall be verified by an officer of the Company. The annual reconciliation shall include a calculation to adjust revenue collected under this QIIP Rider in effect for the prior Annual Review Period to an amount equivalent to the actual level of prudently-incurred QIIP cost for the prior Annual Review Period, with such revenue adjustment applied through the Annual Reconciliation Factor Percentage Rate. The Annual Reconciliation Factor Percentage Rate shall become effective on

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April 1 of each year and be applied as an adjustment to Customers' bills for the remainder of the calendar year.

The Company will include in its Annual Reconciliation Filing the following information at a minimum: (a) a schedule of all journal entries made related to this Rider for the Annual Review Period, including any related general ledger support, (b) actual billing determinants by month as used in the computation of the Total QIIP Collected from Customers for the Annual Review Period, (c) capitalization policy effective for the Annual Review Period, (d) computation of the Annual Reconciliation Factor Percentage Rate, including the detailed calculation of each component, (e) a schedule of any proposed prior period adjustments, (f) an affirmative statement of whether the Company is aware of any changes in market conditions or other factors that may affect whether the Rider is still in the public interest, including the identification of such factors if they exist, (g) the cumulative amount of QIIP collected from customers under this Rider, and (h) such other information as the Commission may direct.

The Company will simultaneously copy the Consumer Advocate on its Annual Reconciliation Filing.

9. Notice Requirements

The Company will file revised tariffs for Commission approval upon 30 days' notice to implement a decrement or an increment each January 1 and April 1. Along with the tariff filing, the Company will include a copy of the computation of the new rate adjustment. The Company will simultaneously copy the Consumer Advocate on this filing.

10. Public Interest Review

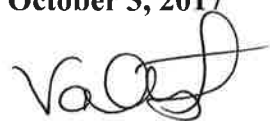
Nothing herein shall be construed to eliminate or otherwise restrict the opportunity of the Consumer Advocate or any other interested party from seeking a review of this Rider, as permitted by law and the rules and regulations of the Commission, for a reconsideration of whether it remains in the public interest.

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CLASSIFICATION OF SERVICE**SAFETY AND ENVIRONMENTAL COMPLIANCE – RIDER****1. Applicability**

In addition to the other charges provided for in this Tariff under Service Classifications Residential, Commercial, Industrial, Other Public Authority, Sales for Resale, and Private Fire, a Safety and Environmental Compliance Program (“SEC”) Rider will apply to customers in all service areas.

The above rider will be recomputed annually and be adjusted periodically to incorporate the Annual Reconciliation Factor.

2. Definitions

For the purposes of this Rider:

“**Actual SEC Investment Amount**” means the amount of actual capital investment and associated operating expenses of the Company for the Safety and Environmental Compliance Program and not otherwise included in current base rates. At the time of the Company’s next general rate case proceeding, all prudently incurred Actual SEC Investment Amounts associated with this Rider shall be included in base rates.

“**Annual Reconciliation Factor**” means an adjustment factor to true-up rates from forecasted costs to the actual costs incurred through application of 1) the Budget-to-Actual Adjustment and 2) the Over-Under Collection Adjustment, and the 3) Earnings Test Adjustment, as adjusted for Interest.

“**Annual Review Period**” means the twelve-month period between the annual adjustments of the SEC Percentage Rate. For the first year beyond the attrition year of the base rate case, this review period may be shorter or longer than a twelve-month period to cover expenditures between the attrition year and the start of the subsequent calendar year.

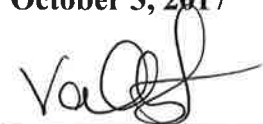
“**Commission**” means the Tennessee Public Utility Commission.

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"Budget-to-Actual Adjustment" means the adjustment to SEC for the applicable coming annual period due to the difference between the Forecasted SEC Investment and Expense Amount and the Actual SEC Investment and Expense Amount.

"Consumer Advocate" means the Consumer Advocate and Protection Division of the Office of the Tennessee Attorney General.

"Forecasted SEC Investment Amount" means the amount of forecasted capital investment of the Company for the Safety and Environmental Compliance Program and not otherwise included in current base rates.

(T) **"Over-Under Collection Adjustment"** means the adjustment to SEC for the applicable coming annual period due to the net amount of over or under collections. . This will include
(T) over-under collections from the annual review period EDI and any remaining balance of the
(T) over-under collection from the prior reconciliation of the EDI.

"Relevant Rate Order" means the final order of the Commission in the most recent rate case of the Company fixing the rates of the Company or the most recent final order of the Commission specifically prescribing or fixing the factors and procedures to be used in the application of this Rider.

3. General Description

SEC allows the Company to recover outside of a rate case its qualifying incremental non-revenue producing plant infrastructure investment and expenses. For purposes of this Rider, qualifying SEC investment includes the following:

Distribution and Production Infrastructure – Distribution, production, and other infrastructure that may be identified as being for the purpose of safety and environmental compliance.

Safety and Environmental Expenses – Operational expenses similar to other expenses authorized in previous rate cases that are specifically new expenses for safety and environmental compliance or to support safety and environmental compliance utility plant.

SEC Investment is to be identifiable on the Company's books and segregated into the following general accounts:

Account 331 – Transmission & Distribution Mains;
Account 333 – Services;
Account 334 – Meters & Meter Installations;

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TENNESSEE-AMERICAN WATER COMPANY**TPUC NO. 19****Second Revised Sheet No. 12-SEC-3**

Account 335 – Hydrants;
 Account 320 – Water Treatment Equipment, Non-Media;
 Account 311 – Pumping Equipment;
 Account 303 – Land and Land Rights;
 Account 304 – Structures and Improvements;
 Account 306 – Lake, River and Other Intakes;
 Account 307 – Wells and Springs;
 Account 309 – Supply Mains;
 Account 310 – Power Generation Equipment
 Account 330 – Distribution Reservoirs and Standpipes; and
 Account 330003 – Capitalized Tank Painting.

4. Determination of the Safety and Environmental Compliance Program Percentage Rate

- (A) The SEC percentage shall be expressed as a percentage carried to two (2) decimal places.
 The SEC percentage shall be applied to the total amount billed to each Customer based on the Company's otherwise applicable rates and charges.
- (B) The SEC percentage shall be calculated on an annual prospective basis as follows:

FORECASTED SEC Investment Amount

Less SEC Plant Retirements (Net of Cost of Removal & Salvage)

Less Contributions in Aid of Construction

Less Accumulated Depreciation

Less Accumulated Deferred Income Taxes

Net Forecasted SEC Qualifying Investment

Multiplied by the Pre-Tax ROR set forth in the Relevant Rate Order

Allowed Forecasted SEC Pre-Tax Return

Plus Depreciation Expense

Plus Property Taxes

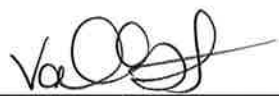
Plus Franchise Taxes

Plus Safety and Environmental Compliance Operational Expenses

Subtotal Forecasted SEC Revenue Requirement Before Revenue Tax

Divided by 1 minus the following:

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Forfeited Discounts Rate
 Plus Uncollectible Expense Rate
Plus Gross Receipts Tax Rate
 Total Forecasted SEC Revenue Requirement

 Divided by Relevant Rate Order Volumetric & Metered Revenue

 SEC Percentage Rate

Where:

Accumulated Depreciation = Accumulated depreciation calculated by debiting for Forecasted SEC plant removed from service, and crediting for new accumulations using rates approved in the Relevant Rate Order on new investments, less retirements and CIAC.

Accumulated Deferred Income Taxes = An average of the forecasted accumulated deferred income taxes related to qualified forecasted SEC investment at the beginning and end of the year.

Contributions in Aid of Construction = Non-investor supplied funds used in the construction of forecasted SEC infrastructure.

Depreciation Expense = Forecasted cumulative qualified SEC investment net of retirements and CIAC, multiplied by depreciation rates approved in the Relevant Rate Order.

Forfeited Discount Rate = Forecasted SEC Revenue Requirement before gross receipts taxes, uncollectible expense and forfeited discounts multiplied by composite forfeited discount factor approved in the Relevant Rate Order.

Franchise Taxes = Forecasted cumulative qualified SEC investment multiplied by composite franchise tax rate approved in the Relevant Rate Order.

Gross Receipts Tax Rate = Forecasted SEC Revenue Requirement before gross receipts taxes, uncollectible expense and forfeited discounts multiplied by composite gross receipts tax rate approved in the Relevant Rate Order.

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Property Taxes = Forecasted cumulative qualified SEC investment multiplied by composite property tax rate approved in the Relevant Rate Order.

SEC Plant Retirements = Forecasted SEC plant removed from service net of any associated cost of removal and salvage.

Forecasted SEC Investment Amount = Average forecasted SEC additions to plant infrastructure as described in Section 3, computed by use of average of 12 end-of-month balances.

Safety and Environmental Compliance Expenses = the incremental operational expenses similar to other expenses authorized in previous rate cases that are specifically for safety and environmental compliance or to support safety and environmental compliance utility plant.

Uncollectible Expense = Forecasted SEC Revenue Requirement before gross receipts taxes, uncollectible expense and forfeited discounts multiplied by composite uncollectible factor approved in the Relevant Rate Order.

Volumetric & Metered Revenue = the revenues authorized in the Relevant Rate Order for volumetric water sales, meter charges, and private fire service charges.

- (C) The total amount to be recovered through the SEC is the SEC Percentage Rate as adjusted for the Annual Reconciliation Factor Percentage Rate.

5. Determination of the Annual Reconciliation Factor Percentage Rate

- (A) The Annual Reconciliation Factor Percentage shall be expressed as a percentage carried to two (2) decimal places. The Annual Reconciliation Factor Percentage shall be applied to the total amount billed to each Customer based on the Company's otherwise applicable rates and charges.
- (B) The Annual Reconciliation Factor Percentage Rate will be computed as follows:

Budget-to-Actual Adjustment
Plus Over-Under Collection Adjustment

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Plus Earnings Test Adjustment
Plus Interest
 Annual Reconciliation Amount

Divided by 9/12 of the Relevant Rate Order Volumetric & Metered Revenue

Annual Reconciliation Factor Percentage Rate

(C) Computation of the Budget-to-Actual Adjustment.

The Budget-to-Actual Adjustment will be computed as follows:

ACTUAL SEC Investment Amount for the Annual Review Period
 Less SEC Plant Retirements (Net of Cost of Removal & Salvage)
 Less Contributions in Aid of Construction
 Less Accumulated Depreciation
Less Accumulated Deferred Income Taxes
 Net Actual SEC Qualifying Investment

Multiplied by the Pre-Tax ROR set forth in the Relevant Rate Order

Allowed Actual SEC Pre-Tax Return
 Plus Depreciation Expense
 Plus Property Taxes
 Plus Franchise Taxes
Plus Safety and Environmental Compliance Operational Expenses
 Subtotal Actual SEC Revenue Requirement Before Revenue Tax

Divided by 1 minus the following:

Forfeited Discounts Rate
 Plus Uncollectible Expense Rate
Plus Gross Receipts Tax Rate
 Total Actual SEC Revenue Requirement

Less Total Forecasted SEC Revenue Requirement

Budget-to-Actual Adjustment

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Where:

Accumulated Depreciation = Accumulated depreciation calculated by debiting for Forecasted SEC plant removed from service, and crediting for new accumulations using rates approved in the Relevant Rate Order on new investments, less retirements and CIAC

Accumulated Deferred Income Taxes = An average of the actual accumulated deferred income taxes related to actual SEC investment at the beginning and end of the year.

Contributions in Aid of Construction = Non-investor supplied funds used in the construction of actual SEC infrastructure.

Depreciation Expense = Actual cumulative qualified SEC investment net of retirements and CIAC multiplied by depreciation rates approved in the Relevant Rate Order.

Forfeited Discount Rate = Actual SEC Revenue Requirement before gross receipts taxes, uncollectible expense and forfeited discounts multiplied by composite forfeited discount factor approved in the Relevant Rate Order.

Franchise Taxes = Actual cumulative qualified SEC investment multiplied by composite franchise tax rate approved in the Relevant Rate Order.

Gross Receipts Tax Rate = Actual SEC Revenue Requirement before gross receipts taxes, uncollectible expense and forfeited discounts multiplied by composite gross receipts tax rate approved in the Relevant Rate Order.

Property Taxes = Actual cumulative qualified SEC investment multiplied by composite property tax rate approved in the Relevant Rate Order.

SEC Plant Retirements = Actual SEC plant removed from service net of any associated cost of removal and salvage.

Actual SEC Investment Amount = Average actual SEC additions to plant infrastructure as described in Section 3, computed by use of average of 12 end-of-month balances.

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Safety and Environmental Compliance Expenses = the incremental operational expenses similar to other expenses authorized in previous rate cases that are specifically for safety and environmental compliance or to support safety and environmental compliance utility plant.

Uncollectible Expense = Actual SEC Revenue Requirement before gross receipts taxes, uncollectible expense and forfeited discounts multiplied by composite uncollectible factor approved in the Relevant Rate Order.

Volumetric & Metered Revenue = the revenues authorized in the Relevant Rate Order for volumetric water sales, meter charges, and private fire service charges.

(D) Computation of the Over-Under Collection Adjustment.

(T) The Company will identify and record the total amount of the SEC Collected from Customers for the Annual Review Period. The difference between the Total SEC Collected from Customers and the Total Budgeted SEC Revenue Requirement shall constitute the Over-Under Collection Adjustment. This adjustment shall include any remaining Over-Under
(T) amount from the prior period reconciliation during the Annual Review Period in addition to
(T) the Over-Under collection amount for the EDI during the Annual Review Period.

(E) Computation of the Earnings Test Adjustment.

If the earnings attained by the Company for the Annual Review Period exceed the earnings allowed for the Annual Review Period by applying the overall rate of return authorized in the Relevant Rate Order, then any such earnings difference shall constitute the Earnings Test Adjustment. If the earnings attained by the Company for the Annual Review Period are less than the earnings allowed for the Annual Review Period by applying the overall rate of return authorized in the Relevant Rate Order, then no Earnings Test Adjustment shall be recognized.

Any Earnings Test Adjustment shall be allocated among the Qualified Infrastructure Improvement Program Rider, the Economic Development Investment Rider, and the Safety and Environmental Compliance Rider based on the pro-rata revenues collected under these riders for the Annual Review Period for purposes of computing new rate adjustments.

(F) Computation of Interest.

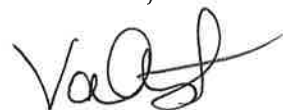
Interest will be computed as follows:

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Budget-to-Actual Adjustment
Plus Over-Under Collection Adjustment
Plus Earnings Test Adjustment

Total Amount Subject to Interest
Interest Rate Multiplied by 50%

Total Interest

Where "Interest Rate" equals the prime rate value published in the "Federal Reserve Bulletin" or in the Federal Reserve's "Selected Interest Rates" for the most recent preceding month.

6. New Base Rates

The SEC rider will be reset at zero upon the establishment of new base rates to customer billings that provide for the prospective recovery of the annual costs that had theretofore been recovered under the SEC. Thereafter, only the costs of new SEC eligible plant additions that have not previously been reflected in the Company's rate base, would be reflected in new annual prospective SEC filings.

7. Annual SEC Percentage Rate Filing

On or before December 1 of each year, the Company shall submit to the Commission a calculation of the SEC Percentage Rate for the following calendar year. The Annual SEC Percentage Rate Filing shall be verified by an officer of the Company. The Annual SEC Percentage Rate Filing shall include a calculation to adjust revenue to recover costs related to the Forecasted SEC Investment Amount, with such revenue adjustment applied through the SEC Percentage Rate. The SEC Percentage Rate shall become effective on January 1 of each year and be applied as an adjustment to Customers' bills for the remainder of the calendar year.

The Company will include in its Annual SEC Percentage Rate Filing the following information at a minimum: (a) computation of the SEC Percentage Rate, including the detailed calculation of each component, (b) a budget of the Forecasted SEC Investment Amount and Forecasted Safety and Environmental Compliance Operational Expenses adopted by the Company's Board of Directors, (c) any related Strategic Capital Expenditures Plans, (d) statements demonstrating how each projected capital investment comprising the Forecasted SEC Investment Amount and each projected operational expense comprising the Forecasted Safety and Environmental Compliance Operational Expenses meet the requirements for recovery under this Rider set forth in Section 3, and (e) such other information as the Commission may direct.

(T) Denotes Change in Text

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The Company will simultaneously copy the Consumer Advocate on its Annual SEC Percentage Rate Filing.

8. Annual Reconciliation Filing with the Commission

On or before March 1 of each year, the Company shall submit to the Commission a reconciliation of the results of the operation of the SEC for the previous Annual Review Period. The Annual Reconciliation Filing shall be verified by an officer of the Company. The annual reconciliation shall include a calculation to adjust revenue collected under this SEC Rider in effect for the prior Annual Review Period to an amount equivalent to the actual level of prudently-incurred SEC cost for the prior Annual Review Period, with such revenue adjustment applied through the Annual Reconciliation Factor Percentage Rate. The Annual Reconciliation Factor Percentage Rate shall become effective on April 1 of each year and be applied as an adjustment to Customers' bills for the remainder of the calendar year.

The Company will include in its Annual Reconciliation Filing the following information at a minimum: (a) a schedule of all journal entries made related to this Rider for the Annual Review Period, including any related general ledger support, (b) actual billing determinants by month as used in the computation of the Total SEC Collected from Customers for the Annual Review Period, (c) capitalization policy effective for the Annual Review Period, (d) computation of the Annual Reconciliation Factor Percentage Rate, including the detailed calculation of each component, (e) schedules of the Actual SEC Investment Amount and Actual Safety and Environmental Compliance Operational Expenses, including related general ledger support, (f) a schedule of any proposed prior period adjustments, (g) an affirmative statement of whether the Company is aware of any changes in market conditions or other factors that may affect whether the Rider is still in the public interest, including the identification of such factors if they exist, (h) the cumulative amount of SEC collected from customers under this Rider, and (i) such other information as the Commission may direct.

The Company will simultaneously copy the Consumer Advocate on its Annual Reconciliation Filing.

9. Notice Requirements

The Company will file revised tariffs for Commission approval upon 30 days' notice to implement a decrement or an increment each January 1 and April 1. Along with the tariff filing, the Company will include a copy of the computation of the new rate adjustment. The Company will simultaneously copy the Consumer Advocate on this filing.

10. Public Interest Review

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BY:



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TENNESSEE-AMERICAN WATER COMPANY

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TPUC NO. 19

Second Revised Sheet No. 12-SEC-11

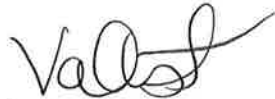
Nothing herein shall be construed to eliminate or otherwise restrict the opportunity of the Consumer Advocate or any other interested party from seeking a review of this Rider, as permitted by law and the rules and regulations of the Commission, for a reconsideration of whether it remains in the public interest.

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TENNESSEE-AMERICAN WATER COMPANY

TPUC NO. 19
Eleventh Revised Sheet No. 12-Riders-1

CLASSIFICATION OF SERVICE

SUMMARY OF RIDERS

1. Applicability

In addition to the other charges provided for in this Tariff under Service Classifications Residential, Commercial, Industrial, Other Public Authority, Sales for Resale, and Private Fire, a Qualified Infrastructure Improvement Program ("QIIP") Rider, an Economic Development Investment Program Rider ("EDI"), a Safety and Environmental Compliance Program Rider (SEC"), and Production Costs and Other Pass-Throughs Rider ("PCOP") will apply to customers in all service areas.

2. The Percentage of Riders and Reconciliations

For the Riders defined in the tariffs:

QIIP	10.05 %	
EDI	0.41 %	
SEC	<u>5.97 %</u>	
Subtotal of all Capital Recovery Riders	16.43 %	
QIIP Annual Reconciliation Percentage	0.000 %	
EDI Annual Reconciliation Percentage	0.000 %	
<u>SEC Annual Reconciliation Percentage</u>	<u>0.000 %</u>	
Subtotal of all Reconciliation Percentages	0.000 %	
Total of Capital Recovery Riders and Reconciliation Percentages	16.430%	
PCOP	-1.25 %	(I)

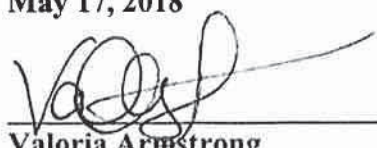
(D) Indicates Decrease

(I) Indicates Increase

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EFFECTIVE: May 15, 2018

BY:


Valoria Armstrong
PRESIDENT

109 Wiehl Street
Chattanooga, Tennessee 37403

CLASSIFICATION OF SERVICE

SUMMARY OF RIDERS

1. Applicability

In addition to the other charges provided for in this Tariff under Service Classifications Residential, Commercial, Industrial, Other Public Authority, Sales for Resale, and Private Fire, a Qualified Infrastructure Improvement Program ("QIIP") Rider, an Economic Development Investment Program Rider ("EDI"), a Safety and Environmental Compliance Program Rider ("SEC"), and Production Costs and Other Pass-Throughs Rider ("PCOP") will apply to customers in all service areas.

2. The Percentage of Riders and Reconciliations

For the Riders defined in the tariffs:

QIIP	12.79 %	(I)
EDI	0.68 %	(I)
<u>SEC</u>	<u>7.50 %</u>	(I)
Subtotal of all Capital Recovery Riders	21.00 %	(I)
QIIP Annual Reconciliation Percentage	0.000 %	(D)
EDI Annual Reconciliation Percentage	0.000 %	(I)
<u>SEC Annual Reconciliation Percentage</u>	<u>0.000 %</u>	(I)
Subtotal of all Reconciliation Percentages	0.000 %	(D)
Total of Capital Recovery Riders and Reconciliation Percentages	21.00%	(I)
(N) Offset to Capital Recovery Riders for TCJA savings	-4.57 %	(N)
PCOP	-1.25 %	

(D) Indicates Decrease
(I) Indicates Increase
(N) Indicates New

ISSUED: November 16, 2018 EFFECTIVE: January 1, 2019

BY:

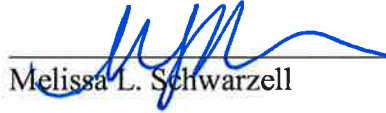
Valoria Armstrong
PRESIDENT

109 Wiehl Street
Chattanooga, Tennessee 37403

STATE OF New Jersey)
COUNTY OF Camden)

BEFORE ME, the undersigned authority, duly commissioned and qualified in and for the State and County aforesaid, personally came and appeared Melissa L. Schwarzell, being by me first duly sworn deposed and said that:

She is appearing as a witness on behalf of Tennessee-American Water Company before the Tennessee Public Utility Commission, and if present before the Commission and duly sworn, her testimony would be as set forth in her pre-filed testimony in this matter.


Melissa L. Schwarzell

Sworn to and subscribed before me
this 16th day of November, 2018.


Notary Public

My Commission Expires: _____
MARTHA B. MAZEIKA
NOTARY PUBLIC OF NEW JERSEY
Comm. # 2419220
My Commission Expires 3/30/2022

PETITIONER'S EXHIBIT BEO-1

TENNESSEE-AMERICAN WATER COMPANY, INC

DOCKET NO. 18-_____

DIRECT TESTIMONY

OF

BRENT E. O'NEILL, P.E.

ON

**CHANGES TO THE QUALIFIED INFRASTRUCTURE IMPROVEMENT PROGRAM
RIDER, ECONOMIC DEVELOPMENT INVESTMENT RIDER AND SAFETY AND
ENVIRONMENTAL COMPLIANCE RIDER**

SPONSORING PETITIONER'S EXHIBITS

PETITIONER'S EXHIBIT 2019 SCEP – BEO

1
2 **Q. PLEASE STATE YOUR NAME AND BUSINESS ADDRESS.**

3 A. My name is Brent E. O'Neill and my business address is 2300 Richmond Road,
4 Lexington, Kentucky 40502.

5 **Q. BY WHOM ARE YOU EMPLOYED AND IN WHAT CAPACITY?**

6 A. I am employed by the American Water Works Service Company ("Service Company") as
7 Director of Engineering for Tennessee American Water Company ("TAWC" or
8 "Company") and Kentucky American Water Company ("KAWC").

9 **Q. HAVE YOU PREVIOUSLY FILED TESTIMONY BEFORE THIS OR ANY**
10 **OTHER COMMISSION?**

11 A. Yes. I provided both written testimony and oral testimony before the Tennessee Public
12 Utility Commission ("TPUC" or "Commission") in TPUC Docket Nos. 14-00121, 15-
13 00029, 15-00111, 16-00022, 16-00126, and 17-00020, and I've provided written
14 testimony in TPUC Docket Nos. 17-00124 and 18-00022. I have also provided both
15 written and oral testimony in several different proceedings before the Kentucky Public
16 Service Commission ("PSC"), including rate cases and applications for a Certificate of
17 Public Convenience and Necessity.

18 **Q. PLEASE STATE YOUR EDUCATIONAL AND PROFESSIONAL**
19 **BACKGROUND.**

20 A. I received a B.S. degree in Civil Engineering from the University of Illinois in Urbana,
21 Illinois in 1991. I completed a Masters of Business Administration from Eastern Illinois
22 University in Charleston, Illinois in 2002. I am a registered Professional Engineer in the
23 State of Tennessee, Commonwealth of Kentucky, State of Illinois and State of Iowa.

1 I have been employed by American Water (“AW”) or one of its subsidiaries since 1996.
2 I began as a Staff Engineer for Northern Illinois Water Company (“NIWC”), which was a
3 subsidiary of National Enterprise, Inc. until it was acquired by AW in 1999. After this
4 acquisition, I was promoted to Engineering Manager for Illinois American Water
5 Company (“ILAWC”). In July 2004, I accepted the position of Network Operations
6 Manager for the Champaign County District of ILAWC. In June 2005, I accepted the
7 position of Senior Asset Manager with AWW and worked in Reading, England in a joint
8 project with Thames Water. In 2006, I became the ILAWC Project Manager for the
9 construction of a new 15 MGD ground water softening treatment plant, wells, and
10 transmission main in Champaign, Illinois. In March 2008, I became the Engineering
11 Manager Capital Delivery with ILAWC with responsibilities for the delivery of capital
12 projects for the Central and Southern portions of Illinois. In April 2013, I accepted my
13 current position as Director of Engineering for Tennessee American Water Company and
14 Kentucky American Water Company with the Service Company. I am an active member
15 of the American Water Works Association (AWWA) and American Society of Civil
16 Engineers (ASCE).

17 **Q. WHAT ARE YOUR DUTIES AS DIRECTOR OF ENGINEERING?**

18 A. I am responsible for the coordination of the Engineering Departments for both TAWC
19 and KAWC, which includes the planning, development, and implementation of all
20 aspects of construction projects. This includes working with all new main extensions and
21 developers, replacement of mains, water treatment plant upgrades, new construction and
22 network facilities improvements. I coordinate technical assistance to all other Company
23 departments as needed and oversee the capital budget development and implementation.

1 I report to the Presidents of TAWC and KAWC. I am located in Kentucky, but work
2 closely with the TAWC staff in Tennessee.

3 **Q. WHAT TOPICS WILL YOUR TESTIMONY ADDRESS?**

4 A. I will present the planned investment for the Economic Development Investment (“EDI”)
5 Rider and the Safety and Environmental Compliance (“SEC”) Rider for 2019.

6 **Q. PLEASE DESCRIBE TAWC’S CAPITAL INVESTMENT PLAN FOR THE**
7 **FORECAST PERIOD?**

8 A. The Company’s capital investment plan can be divided into two distinct areas: 1)
9 Recurring Projects (RP) and 2) Major Projects identified as investment projects (IP).
10 Typically, Major Projects are those having a Company investment of \$250,000 or greater.
11 A copy of the 2019 Strategic Capital Expenditures Plan is attached to my testimony as
12 **Petitioner’s Exhibit 2019 SCEP – BEO.**

13 **Q. HOW IS THE CAPITAL INVESTMENT PLAN DEVELOPED?**

14 A. Specific capital planning needs are addressed in both the short term (one year) and longer
15 term (five years). Projects are prioritized using objective criteria that validate the need for
16 a project and assess the risk of not doing the project. A key component of this planning
17 technique is that it is flexible and can be adjusted as needed to address new needs, such as
18 unplanned equipment failures, large or sudden growth of a service area, or new
19 regulatory requirements. TAWC’s Engineering Department develops a proposed capital
20 budget with input by Operations Supervisors and Project Managers and then shares the
21 plan with TAWC President and the TAWC Director of Operations for their review and
22 approval. The proposed capital budget is also shared with the Service Company for
23 review of the reasonableness of the projects proposed and their forecasted costs.

1 Although the Service Company may make suggestions with respect to that budget,
2 TAWC ultimately determines the Capital Investment Plan and approves the plan. This
3 process is the basis for the capital expenditures reflected in the Company's Investment
4 Plan.

5 **Q. PLEASE DESCRIBE THE RECURRING PROJECTS THAT ARE INCLUDED**
6 **WITHIN THE COMPANY'S CAPITAL INVESTMENT PLAN AS IT RELATES**
7 **TO THE QIIP, EDI AND SEC PROGRAMS?**

8 A. The Recurring Projects that are included within the Company's Capital Investment Plan
9 that are related to the riders includes smaller main projects for reinforcement and
10 replacement, replacement of hydrants and valves, service line and meter setting
11 replacements, security improvements, plant control improvements, projects to replace and
12 maintain treatment, and new mains to assist with economic development.

13 **Q. PLEASE DESCRIBE THE FACTORS USED IN THE PREPARATION OF THE**
14 **FORCAST PERIOD AS IT RELATES TO THE RECURRING PROJECTS THAT**
15 **ARE INCLUDED WITHIN THE COMPANY'S CAPITAL INVESTMENT PLAN?**

16 A. TAWC uses engineering criteria based on accepted engineering standards and practices
17 to determine the amount of work needed on the distribution system or the treatment
18 facilities that provide adequate capacity and appropriate levels of reliability. The
19 identified work will enable TAWC to provide safe, adequate and reliable service to its
20 Customers to meet their domestic, commercial and industrial needs; provide flows
21 adequate for fire protection; and satisfy all regulatory and safety requirements. The
22 criteria for evaluating the need for the recurring projects are engineering requirements;
23 consideration of national, state and local trends; environmental impact evaluations; and

1 water resource management. The criteria are developed from regulations, professional
2 standards and TAWC engineering policies and procedures.

3 Main replacement projects or new main installations are designed to meet two conditions
4 of service. They are expected to deliver projected peak hour Customer demands while
5 maintaining system pressures at 25 psi or greater in accordance with the Tennessee
6 Public Utility Commission (TPUC) pressure requirements (Chapter 1220-4-3.41) and to
7 provide adequate fire flow identified by the Insurance Services Office (ISO) while
8 maintaining distribution system pressure at 20 psi or greater.

9 TAWC utilizes historical and forecasted data to develop the program cost based on the
10 determined level of work for each RP line.

11 **Q. PLEASE DESCRIBE HOW INVESTMENT PROJECTS ARE INCLUDED**
12 **WITHIN THE COMPANY'S CAPITAL INVESTMENT PLAN?**

13 A. Investment Projects (IP) are typically projects greater than \$250,000 that the Company
14 describes as Major Projects. These projects represent investments that are needed to meet
15 environmental or water quality regulations, infrastructure capacity expansion or
16 rehabilitation and to ensure a safe working environment. These projects allow the
17 Company to ensure that they are able to meet the service demands of the community,
18 ensure regulatory compliance and ensure the reduction of asset failure.

19 This determination of including an IP within the investment plan starts with a process that
20 begins with the development of the anticipated demand projections of the system, the
21 identification of improvements needed to meet those demands and a review of the current
22 facilities located in the system. This process is documented through the Comprehensive
23 Planning Study (CPS) and is the basis for the development of IPs. TAWC utilizes this

study along with a review of changes in the needs of the system that may have occurred since the development of the CPS and develops the schedule of projects within the Capital Investment Plan. TAWC plans these to bring about the correct prioritization and distribution of capital spending for the various needs of the business.

Q. PLEASE DESCRIBE THE COMPANY’S RECENT PERFORMANCE FOR ITS CAPITAL INVESTMENT PLAN DURING THE USE OF QIIP, EDI AND SEC PROGRAMS?

A. Tennessee American is projecting to deliver its Capital Investment Plan with the QIIP, EDI and SEC programs during the period of 2014 to 2018 by slightly exceeding the budget by 3.47% on a cumulative basis over the period. Capital investment budgets, actual capital investment deliveries, and variances to budgets by year are shown in the table below.

TAWC Net Rider Budget vs Actual Rider Capex for 2014 through 2018				
Year	Budget	Actual	Variance	
2014	\$18,337,559	\$18,205,874	(\$131,685)	-0.72%
2015	\$17,539,272	\$19,160,770	\$1,621,498	9.24%
2016	\$12,429,427	\$12,940,387	\$510,960	4.11%
2017	\$12,033,965	\$12,323,574	\$289,609	2.41%
2018*	\$12,427,477	\$12,663,647	\$236,170	1.90%
Cumulative	\$72,767,700	\$75,294,252	\$2,526,552	3.47%

*Current Year End Projection as of September 2018

TAWC strives to minimize deviation in the Capital Investment Plan for the QIIP, EDI and SEC programs through an active review of actual spend compared to budget spend for the riders. Through this management, TAWC ensures that the projects delivered follows closely budgeted Capital Investment Plan for the riders.

1 **Q. DOES THE ABOVE TABLE DIFFER FROM A SIMILAR TABLE SUBMITTED**
2 **IN PREVIOUS CRRs FILINGS?**

3 A. No, similar to the last filing by TAWC, the table is a comparison of just the capital
4 investment of the riders. TAWC believes that this representation provides a better
5 representation of the management of the rider capital investment spending and would be
6 a better comparison for past performance of the riders.

7 **Q. CAN YOU DESCRIBE HOW THE CAPITAL INVESTMENT PLAN IS**
8 **MONITORED DURING THE YEAR?**

9 A. Since 2003, the entire American Water system has used a process for the development
10 and review of capital expenditures that has incorporated industry best practices. TAWC,
11 like its sister companies, has benefitted from that process. The process includes a
12 regional Capital Investment Management Committee (“CIMC”) to ensure capital
13 investment plans meet the strategic intent of the business. In turn, this ensures that
14 capital investment plans are integrated with operating expense plans, and provides more
15 effective controls on budgets and individual capital projects.

16 The CIMC includes the TAWC President, TAWC Operations Manager, TAWC
17 Engineering Project Managers, TAWC Engineering Manager, TAWC Financial Analyst,
18 and TAWC Operations Specialist. The CIMC meets monthly. The CIMC receives
19 capital expenditure plans from project managers and approves them as required by the
20 process. Once budgets are approved, the CIMC meets monthly to review capital
21 expenditures compared to budgeted levels. Discussions are held on any variances to
22 budgets that include the reason for any such variance and suggestions and
23 recommendations to bring the budget lines back in line with the approved budget.

1 If changes in the budgets are required due to changes in priorities or unexpected
2 expenditures, then the CIMC reviews the request for changes and approves the movement
3 of available capital from other budget lines to offset the changes in the capital spend. All
4 projects, including normal recurring items, have an identified project manager
5 responsible for processing the stages of the project. The focus of the CIMC, along with
6 the monthly meetings, has allowed TAWC to be more flexible with changes that
7 inevitably occur during the course of implementation of projects while providing
8 oversight on capital expenditures.

9 10 **ECONOMIC DEVELOPMENT INVESTMENT PROGRAM**

11 **Q. WHAT IS THE ECONOMIC DEVELOPMENT INVESTMENT RIDER?**

12 A. This rider provides a mechanism to recover the operational expenses, capital costs or both
13 related to the expansion of infrastructure for the purpose of economic development. With
14 economic development opportunities being limited and the competition for each
15 development fierce, the rider allows infrastructure to be expanded or enhanced to respond
16 quickly and equitably to economic development that will benefit all of the consumers.

17 **Q. WHAT ARE THE BUDGET LINES THAT ARE INCLUDED UNDER THE** 18 **ECONOMIC DEVELOPMENT INVESTMENT RIDER?**

19 A. The budget lines that are included in the Economic Development Investment Rider are
20 Line A - Mains New and Line E - Hydrants and Valves New. These budget lines support
21 the economic development of the area and place the distribution system in a position to
22 aid new development within the service area.

1 **Q. WHAT WORK IS ASSOCIATED WITH MAINS NEW - LINE A AND WHY IS**
2 **THIS APPROPRIATE FOR THE EDI RIDER?**

3 **A.** This line item includes new water mains, valves, and other appurtenances that are
4 necessary to perform the work that assist with the economic growth of the community.
5 This work includes the installation of new infrastructure to expand or extend the
6 distribution system that supports economic growth in the community and is appropriate to
7 be included within the EDI Rider.

8 **Q. WHAT OTHER WORK IS ASSOCIATED WITH MAIN NEW – LINE A AND**
9 **WHY IS THIS ADDITIONAL WORK APPROPRIATE FOR THE EDI RIDER?**

10 **A.** In addition to the extension or expansion of the distribution system to assist with an
11 economic development project, Line A work is be related to the extension or expansion
12 of new mains that position the distribution system to be able to support future growth of
13 the community. In addition, Line A work includes new mains that provide new
14 transmission capacity, provide reliability, or establish an additional pressure gradient.
15 This work is considered appropriate for the EDI Rider because it enhances the
16 distribution system and allows it to respond quickly to future growth of the community.
17 These types of projects promote future growth of the community and are designed to
18 accommodate future growth in the surrounding areas. Among other ways, the Customer
19 benefits from these projects through their enhancement of the distribution system and
20 improvement in reliability.

1 **Q. WHAT IS THE PROPOSED INVESTMENT ANTICIPATED FOR NEW WATER**
2 **MAIN ASSOCIATED WITH LINE A?**

3 A. TAWC plans to spend approximately \$1,000,000 on various size water mains within the
4 distribution system that are associated with eliminating dead ends or positioning the
5 distribution system for future development. At this time, the Company has identified
6 one major new main project. The project is in Whitwell and includes the installation of
7 6,300 lineal foot of 12-inch main along Highway 283 in Whitwell. This hydraulic
8 improvement will allow the Company to improve redundancy and system hydraulics
9 between eastern and western portions of the Whitwell Service Area. It was ranked as a
10 high priority in the Whitwell Comprehensive Planning Study ("CPS"). The Company
11 believes that these projects are important to ensure capacity and the continued reliability
12 of our system.

13 **Q. WAS THIS PROJECT INCLUDED IN LAST YEARS PLAN?**

14 A. Yes. The Highway 283 project was included in the 2018 spending plan that was
15 presented to TPUC in Docket No. 17-00124.

16 **Q. WHY IS IT INCLUDED WITHIN THE 2019 SPENDING PLAN?**

17 A. During any given year, unexpected changes in priorities may occur due to outside
18 influences, or recognition of unfavorable trends, that are occurring and affect the
19 infrastructure or ability to serve the customer. During 2018, TAWC had to make
20 adjustments in the original spending plan to address the delay in the Tennessee River
21 Transmission Main Crossing Project from 2017. Since this change was not identified
22 during the original budgeting process, the need to offset the delay of the Tennessee River
23 Transmission Main Crossing Project expected cost, the Whitwell Highway 283 project

1 that was originally identified within the budget was deferred to 2019 to make room for
2 the delayed project.

3 **Q. WHAT WORK IS ASSOCIATED WITH NEW HYDRANTS AND VALVES –**
4 **LINE E AND WHY IS THIS APPROPRIATE FOR THE EDI RIDER?**

5 A. This investment plan item includes the installation of new hydrants, including hydrant
6 assemblies and valves that are installed on existing mains or installed in conjunction with
7 main extension projects, which are Company funded. This item generally includes all
8 public hydrants. This work is associated with the installation of new infrastructure to
9 foster economic development by providing new fire protection or enhancing fire
10 protection in currently served areas. Improved infrastructure in existing older service
11 areas, including fire protection, is a key to redevelopment in economic growth and is
12 appropriate to be included within the EDI Rider.

13 **Q. WHAT IS THE PROPOSED SCHEDULE FOR NEW HYDRANTS AND**
14 **VALVES?**

15 A. TAWC plans to spend approximately \$132,000 on a combination of 48 new hydrants and
16 valves. This is an increase over the three-year average between 2016 and 2018 of
17 \$92,467, but similar to the planned spend in 2018. This increase is due to a review of the
18 network and identification of valves that are needed to allow for more efficient operation
19 of the system and to ensure effective isolations of portions of the system when required.
20 TAWC believes that with the improving economic health of the communities served that
21 the level of investment will increase to serve the growing economic development.
22
23

1 **SAFETY AND ENVIROMENTAL COMPLIANCE RIDER**

2 **Q. WHAT IS THE SAFETY AND ENVIROMENTAL COMPLIANCE RIDER?**

3 A. In addition to the need for capital investment for replacement of aging infrastructure, and
4 the need for investment in infrastructure for economic development, water and
5 wastewater utilities are continually faced with the additional infrastructure investment
6 requirements to meet safety and environmental compliance mandates from state and
7 federal government. The United States Environmental Protection Agency is continually
8 increasing water quality standards for potable drinking water and discharge requirements
9 for wastewater facilities. Other regulatory agencies from time to time change safety and
10 environmental compliance requirements that lead to the need for further infrastructure
11 investment. TAWC believes that environmental compliance investments are specifically
12 related to the safety of the drinking water and in the public interest.

13 **Q. WHAT ARE THE BUDGET LINES THAT ARE INCLUDED UNDER THE**
14 **SAFETY AND ENVIRONMENTAL COMPLIANCE PROGRAM RIDER?**

15 A. The budget lines that are included in the Safety and Environmental Compliance Rider are
16 Line L - SCADA Equipment and Systems, Line M - Security Equipment and Systems
17 and Line Q - Process Plant Facilities and Equipment. These budget lines support the
18 improvement of safety and enhances the environmental compliance of the system.

19 **Q. WHAT WORK IS ASSOCIATED WITH SCADA EQUIPMENT AND SYSTEMS -**
20 **LINE L AND HOW IS IT RELATED TO THE SEC?**

21 A. This investment item is for the installation or replacement of existing SCADA Equipment
22 and Systems. The acronym SCADA can be defined in several slightly different ways.
23 However, TAWC generally prefers the definition as System Control and Data

1 Acquisition, which is the computerized system for monitoring and operating the
2 treatment plants and network facilities. By making investment in the monitoring and
3 control system for the treatment plants and the network facilities, TAWC is able to ensure
4 that the operation of the system is meeting safety and environmental requirements and is
5 appropriate to be included in the SEC.

6 **Q. WHAT IS THE PROPOSED INVESTMENT ANTICIPATED TO SCADA**
7 **ASSOCIATED WITH LINE L?**

8 A. TAWC plans to spend approximately \$142,000 on various SCADA improvements
9 throughout the system. A majority of the spending will be associated with the
10 replacement of outdated controllers at eight remote sites. In addition, some licensing fees
11 are required to maintain SCADA (supervisory control and data acquisition) software.

12 **Q. WHAT WORK IS ASSOCIATED WITH SECURITY EQUIPMENT AND**
13 **SYSTEMS - LINE M AND HOW IS IT RELATED TO THE SEC?**

14 A. This investment item is associated with the security equipment and systems that are
15 employed at the TAWC facilities. This may include fencing, alarm systems, cameras,
16 barricades, electronic detection or locking systems, software, or other assets related
17 directly to security. These improvements allow TAWC to maintain its security system
18 and follow the Homeland Security Directive 9 to “*develop robust, comprehensive, and*
19 *fully coordinated surveillance and monitoring systems.*” TAWC believes it is paramount
20 to ensure that its facilities are monitored actively. These improvements will maintain the
21 equipment and ensure current technology is employed to provide safe drinking water and
22 protect its infrastructure and are appropriate to be included in the SEC.

1 **Q. WHAT IS THE PROPOSED SCHEDULE FOR SECURITY EQUIPMENT AND**
2 **SYSTEMS?**

3 A. TAWC plans to spend approximately \$135,000 on a combination of upgrades to existing
4 security systems to improve the security of the existing facilities. TAWC believes this
5 level of spend on the installation and enhancement of the facility security systems will
6 ensure a sufficient level of health and safety risk reduction for the Company's employees.

7 **Q. WHAT WORK IS ASSOCIATED WITH PROCESS PLANT FACILITIES AND**
8 **EQUIPMENT – LINE Q AND HOW IS IT RELATED TO THE SEC?**

9 A. This investment line item is for the new purchase or replacement of existing components
10 of water supply, water treatment, water pumping, water storage, and water pressure
11 regulation facilities, including associated building components and equipment.
12 Replacements may be planned or made because of failure, or may include improvements.
13 Through the investment in the improvements associated with this spending line, TAWC
14 is able to ensure compliance with federal and state safety and environmental compliance
15 requirements that will ensure safe drinking water. By ensuring compliance with federal
16 and state requirements, these investments are appropriate to be included in the SEC.

17 **Q. WHAT IS THE PROPOSED SCHEDULE FOR PROCESS PLANT FACILITIES**
18 **AND EQUIPMENT IMPROVEMENTS WITHIN LINE Q?**

19 A. TAWC plans to spend approximately \$1,765,000 within the Process Plant Facilities and
20 Equipment Improvements within Line Q. This level of investment is similar to the three-
21 year average of \$1,729,678 during the period of 2013 to 2016. A portion of the
22 investment in the Q line is a \$1,000,000 investment to replace the underdrains of filters
23 17, 18, 19 and 20. This work will complete the replacement of all of the underdrains

1 within the conventional filter building. The replacement of the underdrains over the past
2 few years have allowed TAWC to ensure it can reliably meet the required environmental
3 compliance and compliments the work on improving the performance of the
4 sedimentation basins. The other major investment in the Q line is a \$450,000 investment
5 in repairing and replacing the North Travelling Screen and valve at the intake for the
6 Citico Facility. Other work, such as replacement of the start for motor #7 at Hill City,
7 replacement of Powder Activated Carbon feed pumps and drives and other improvements
8 at the Citico facility, are expected to be completed during this period as well.

9 **Q. BESIDES THE REPLACEMENT OF PROCESS PLANT FACILITIES AND**
10 **EQUIPMENT DUE TO A FACILITY OR PIECE OF EQUIPEMENT BEING AT**
11 **THE END OF ITS USEFUL LIFE, WHAT BENEFITS DOES WORK**
12 **PERFORMED UNDER LINE Q PROVIDE?**

13 A. A majority of the work performed by TAWC within Line Q is the replacement of older
14 equipment with new equipment that is far more efficient than the original equipment.
15 This allows TAWC to produce water more efficiently and use less electricity and allows
16 the Company to take a leadership role in reducing its carbon footprint. TAWC has
17 elected to include both replacement and new items in this line specifically that are
18 critically necessary to continue to meet water quality regulations.

19 **Q. ARE THERE ANY CAPITAL INVESTMENT PROJECTS (“IP”) THAT ARE**
20 **INCLUDED UNDER THE SAFETY AND ENVIORNMENTAL COMPLAINCE**
21 **RIDER?**

22 A. Yes. TAWC has one Capital Investment Project that will be placed in service during
23 2019 that is included under the Safety and Environmental Compliance Rider. The

Chlorine Gas Conversion Project has an approximate spend of \$3,374,646 during 2019 and will be placed in service by December 31, 2019 with an overall investment of \$4,750,502.

Q. WHY IS THE CHLORINE GAS CONVERSION PROJECT A PART OF THE SEC RIDER?

A. TAWC currently utilizes chlorine gas for pre and post chlorination to meet the regulatory requirements for drinking water. Chlorine gas poses a safety risk, which is increased in an urban setting such as the Citico Water Treatment Plant given the facility's proximity to Erlanger Hospital, Amnicola Highway, the Riverwalk and the University of Tennessee at Chattanooga. TAWC has used gas Chlorine for disinfection since inception of the plant. The chlorine system utilizes one-ton cylinders. Liquid chlorine flows under pressure to an evaporator where it is superheated and vacuum fed to chlorinators. The chlorine cylinders are stored in a separate, vented room adjacent to the evaporators and chlorinators, both located in the basement of the chemical building. The chlorine scrubber located outside of the chlorine storage building was installed in 1988 to protect employees and the surrounding urban area against accidental release of chlorine gas. TAWC currently has the appropriate safety procedures in place, including a negatively pressured chlorine room with audible alarm and a chlorine scrubber to remove chlorine gas from the storage room. These backup measures are intended to mitigate the consequences of a possible cylinder rupture or chlorine leak. In the event that one or more of these measures fail, TAWC personnel are at risk, as well as personnel and patients in the abutting hospital and public in general. The proposed project will replace the chlorine gas with sodium hypochlorite, also referred to as liquid bleach. The sodium hypochlorite is delivered in

1 bulk liquid form and requires a bulk storage tank and day tank. It is safer to transport and
2 store than gaseous chlorine due to its dilute, liquid form. It is not under pressure and
3 therefore does not have the same potential to rupture as chlorine gas vessels. The project
4 will eliminate a toxic gas from the Citico Water Treatment Plant and reduce the dangers
5 an accidental release or deliberate attack could pose a danger to the surrounding
6 metropolitan area that includes a hospital and public schools and TAWC operational
7 staff.

8 **Q. WILL THE CHLORINE GAS CONVERSION PROJECT CHANGE THE WAY**
9 **THAT TWAC PROVIDES TREATMENT TO THE WATER?**

10 A. No. The proposed project will replace the chlorine gas with sodium hypochlorite, also
11 referred to as liquid bleach. When added to water, sodium hypochlorite undergoes a
12 chemical reaction that forms hypochlorous acid and hypochlorite ion. The sum of this
13 reaction is free available chlorine, which acts as a disinfectant similar to chlorine gas.
14 Since sodium hypochlorite is a form of chlorine, the dosage is calculated based on the
15 amount of chlorine required to treat the water. With the use of sodium hypochlorite there
16 will be no difference in the inactivation of organisms or the quality of finished water that
17 currently occurs with the use of chlorine gas.

18 **Q. IS THE USE OF SODIUM HYPOCHLORITE APPROVED BY THE**
19 **ENVIRONMENTAL PROTECTION AGENCY?**

20 A. Yes. Sodium Hypochlorite is a form of chlorine that is part of the disinfection strategy
21 that is found as part of the regulatory framework with the Surface Water Treatment Rule
22 to achieve a minimum removal of specific micro-organisms.

1 **Q. IS THERE AN INDUSTRY STANDARD THAT RECOMMENDS SODIUM**
2 **HYPOCHLORITE OVER CHLORINE GAS TODAY?**

3 A. No. There is no industry standard that recommends sodium hypochlorite over chlorine
4 gas. However, the use of bulk delivered sodium hypochlorite can counteract the cost of
5 increased health and safety measures needed for chlorine gas installations and allows the
6 industry to effectively manage the risk of the delivery and handling of chlorine gas. The
7 water industry is moving toward sodium hypochlorite due to it being easier and safer to
8 use and the reduction of the risk of chlorine gas releases especially when installations are
9 in close proximity to surrounding metropolitan areas.

10 **Q. DOES THE USE OF SODIUM HYPOCHLORITE EFFECT THE PROCESS OF**
11 **TREATING WATER.**

12 A. No. The way that the water is treated is the same as is currently used with chlorine gas.
13 However, the cost of sodium hypochlorite is more expensive than chlorine gas. TAWC
14 would expect that with the conversion to sodium hypochlorite there will be a 4 to 7 times
15 increase in the cost to disinfect the water that will result in an increase in chemical costs
16 for the Citico Water Treatment Plant. TAWC believes the additional cost of sodium
17 hypochlorite offsets the future investments needed in maintaining the health and safety
18 apparatus need for chlorine gas. TAWC also believes that the eliminate a toxic gas from
19 the Citico Water Treatment Plant and the elimination of an accidental release or
20 deliberate attack posed to the surrounding metropolitan area due to chlorine gas is the
21 responsible action to ensure the future protection the community.

1 **Q. HOW DOES TAWC PLAN FOR THESE PROJECTS?**

2 A. As previously indicated, the determination of including a project within the investment
3 plan starts with a process that is documented through the CPS and is the basis for the
4 development of projects included in the Investment Projects section of the SCEP.
5 TAWC utilizes this study along with review of changes in the needs of the system that
6 may have occurred since the development of the CPS to determine the projects that need
7 to be included within the Capital Investment Plan. During the development of the SCEP,
8 TAWC reviews the projects recommended by the CPS and determines the schedule of
9 projects to balance the expected spend over a 5 to 10 year period.

10 **Q. DOES THIS CONCLUDE YOUR DIRECT TESTIMONY?**

11 A. Yes.

STRATEGIC CAPITAL EXPENDITURE PLAN
PROGRAM

Business Unit	Tennessee
Revision Date	October 22, 2018
Description	TN BP 2019-2023 SCEP

						2019					
Business Unit	Rider	Business Unit No.	Project Title			1	2	3	4	5	6
Tennessee	None	DV	Projects Funded by Others			\$10,000	\$10,000	\$50,000	\$80,000	\$150,000	\$150,000
Tennessee	EDI	A	Mains - New			30,000	30,000	105,000	105,000	105,000	100,000
Tennessee	QIIP	B	Mains - Replaced / Restored			90,000	100,000	125,000	150,000	185,000	260,000
Tennessee	QIIP	C	Mains - Unscheduled			154,667	154,417	154,667	154,667	129,667	129,667
Tennessee	QIIP	D	Mains - Relocated			15,000	20,000	30,000	30,000	30,000	25,000
Tennessee	EDI	E	Hydrants, Valves, and Manholes - New			10,750	11,000	11,000	11,250	14,250	14,250
Tennessee	QIIP	F	Hydrants, Valves, and Manholes - Replaced			26,625	26,875	26,875	52,125	52,125	52,125
Tennessee	None	G	Services and Laterals - New			92,667	92,667	93,417	97,417	97,667	97,667
Tennessee	QIIP	H	Services and Laterals - Replaced			54,000	55,250	56,200	57,200	63,200	65,300
Tennessee	None	I	Meters - New			22,416	22,516	22,516	22,516	22,516	22,516
Tennessee	QIIP	J	Meters - Replaced			251,433	251,433	301,433	501,433	501,433	502,418
Tennessee	None	K	ITS Equipment and Systems			150,663	163,137	200,975	163,137	201,865	206,975
Tennessee	SEC	L	SCADA Equipment and Systems				21,000		26,000		27,500
Tennessee	SEC	M	Security Equipment and Systems			12,500	12,500	12,500	12,500	12,500	12,500
Tennessee	None	N	Offices and Operations Centers			1,000	1,000	1,250	1,250	1,500	1,500
Tennessee	None	O	Vehicles								285,000
Tennessee	None	P	Tools and Equipment			2,750	3,000	26,000	3,500	3,500	31,000
Tennessee	SEC	Q	Process Plant Facilities and Equipment			90,000	90,000	135,000	135,000	155,000	170,000
Tennessee	QIIP	R	Capitalized Tank Rehabilitation/Painting						250,000	250,000	250,000
Tennessee	None	S	Engineering Studies			2,500	2,500	5,000	5,000	5,000	5,000
Total Recurring Projects						1,006,971	1,057,295	1,306,833	1,777,995	1,830,223	2,258,418
ACQUISITIONS											
Tennessee											
Total Acquisitions											
CENTRALLY SPONSORED PROJECTS											
Total Centrally Sponsored Projects											
INVESTMENT PROJECTS											
			Total		In Service Date						
Tennessee	SEC	I26-020027	Construct 1.0MG Tank & 2500-16" ER (\$1.5)		9/1/2023						
Tennessee	QIIP	I26-020034	Tennessee River Crossing (\$2.5)		12/31/2018						
Tennessee	QIIP	I26-020038	Retire Basin 1 (\$0.6)		11/30/2019						
Tennessee	QIIP	I26-020039	Repl Basin 2 & Plate Settlers		10/31/2019	221,998	250,948	252,558	259,782	262,010	283,396
Tennessee	SEC	I26-020040	Chlorine Gas Conversion (\$4.5)		12/15/2019	166,963	305,341	334,505	363,856	369,799	400,700
Tennessee	QIIP	I26-020043	Energy Reduction and Efficiency (\$0.87)		7/31/2023						
Tennessee	SEC	I26-020044	New Raw Water Intake Citico (\$4)		10/1/2021						
Tennessee	QIIP	I26-020045	Remove Filter Bldg 3		10/31/2018						
Tennessee	None	I26-020046	New Field Services Facility (\$5)		12/31/2020	1,007	31,262	28,740	56,450	84,338	139,930
Tennessee	QIIP	I26-020048	Install 6,900 ft of 8-inch Main on Elder Mountain Rd		12/31/2022						
Tennessee	QIIP	I26-020049	Alvin York Hwy Main Replacement (\$1.5)		8/30/2023						
Tennessee	SEC	I26-050001	Raw Water Intake Improvements Whitwell (\$2)		7/1/2024						
Tennessee	SEC	I26-050002	Facility Upgrades at Whitwell WTP (\$0.3)		12/31/2017						
Tennessee	SEC	I26-050003	Replace 0.5 MG Storage Tanks at Whitwell (\$5)		9/15/2021						
Tennessee	SEC	I26-050004	Replace 0.1 MG Storage Tank at Whitwell (\$0.3)		12/31/2017						
Tennessee	None	I226-05000x	New Operations Center - Whitwell		7/31/2019	22,513	33,524	44,534	50,039	39,029	33,524
Tennessee	No	I26-000002	Post Acquisition BD Capex								
Total Investment Projects						\$412,481	\$621,074	\$660,336	\$730,126	\$755,175	\$857,549
Contributions						(20,000)	(20,000)	(20,000)	(20,000)	(20,000)	(20,000)
Advances						(58,333)	(58,333)	(58,333)	(58,333)	(58,333)	(58,333)
Total Refunds						29,167	29,167	29,167	29,167	29,167	29,167
Gross						\$1,429,452	\$1,688,369	\$2,017,169	\$2,588,121	\$2,735,398	\$3,265,967
*Dollar amounts from TAWC's Annual Capital Planning Process						(49,167)	(49,167)	(49,167)	(49,167)	(49,167)	(49,167)
Net						\$1,380,285	\$1,639,203	\$1,968,003	\$2,538,955	\$2,686,231	\$3,216,800
Gross minus Post Acq						\$1,429,452	\$1,688,369	\$2,017,169	\$2,588,121	\$2,735,398	\$3,265,967
Net minus Post Acq						(49,167)	(49,167)	(49,167)	(49,167)	(49,167)	(49,167)
						\$1,380,285	\$1,639,203	\$1,968,003	\$2,538,955	\$2,686,231	\$3,216,800

STRATEGIC CAPITAL EXPENDITURE PLAN
PROGRAM

Business Unit	Tennessee
Revision Date	October 22, 2018
Description	TN BP 2019-2023 SCEP

U.S. \$										
Business Unit	Rider	Business Unit No.	Project Title	7	8	9	10	11	12	Total 2019
Tennessee	None	DV	Projects Funded by Others	\$90,000	\$80,000	\$80,000	\$80,000	\$120,000	\$100,000	\$1,000,000
Tennessee	EDI	A	Mains - New	100,000	100,000	100,000	100,000	100,000	25,000	1,000,000
Tennessee	QIIP	B	Mains - Replaced / Restored	260,000	200,000	175,000	135,000	120,000	75,000	1,875,000
Tennessee	QIIP	C	Mains - Unscheduled	129,667	129,667	154,667	154,417	154,417	154,413	1,755,000
Tennessee	QIIP	D	Mains - Relocated	25,000	25,000	25,000	25,000	15,000	10,000	275,000
Tennessee	EDI	E	Hydrants, Valves, and Manholes - New	14,250	14,250	11,000	10,750	10,750	10,500	144,000
Tennessee	QIIP	F	Hydrants, Valves, and Manholes - Replaced	52,125	52,125	27,500	25,250	25,250	23,000	442,000
Tennessee	None	G	Services and Laterals - New	96,417	93,417	93,167	93,167	92,667	92,663	1,133,000
Tennessee	QIIP	H	Services and Laterals - Replaced	64,200	58,200	58,200	56,250	55,000	54,000	697,000
Tennessee	None	I	Meters - New	22,516	22,516	22,516	22,516	22,516	21,424	269,000
Tennessee	QIIP	J	Meters - Replaced	502,263	501,433	301,433	236,433	202,423	201,433	4,255,000
Tennessee	None	K	ITS Equipment and Systems	169,147	200,975	200,975	163,137	200,975	402,865	2,424,828
Tennessee	SEC	L	SCADA Equipment and Systems		27,500		20,000		20,000	142,000
Tennessee	SEC	M	Security Equipment and Systems	12,500	12,500	12,500	12,500	10,000		135,000
Tennessee	None	N	Offices and Operations Centers	2,000	1,500	1,000	1,000	1,000	1,000	15,000
Tennessee	None	O	Vehicles		45,000	285,000				615,000
Tennessee	None	P	Tools and Equipment	3,500	3,500	26,000	3,500	3,500	25,250	135,000
Tennessee	SEC	Q	Process Plant Facilities and Equipment	170,000	170,000	170,000	160,000	160,000	160,000	1,765,000
Tennessee	QIIP	R	Capitalized Tank Rehabilitation/Painting	250,000	125,000					1,125,000
Tennessee	None	S	Engineering Studies	5,000	5,000	5,000	5,000	2,500	2,500	50,000
Total Recurring Projects				1,878,585	1,787,583	1,668,958	1,223,920	1,175,998	1,279,048	18,251,828
ACQUISITIONS										
Tennessee										
Total Acquisitions										
CENTRALLY SPONSORED PROJECTS										
Total Centrally Sponsored Projects										
INVESTMENT PROJECTS										
Tennessee	SEC	I26-020027	Construct 1.0MG Tank & 2500-16" ER (\$1.5)							
Tennessee	QIIP	I26-020034	Tennessee River Crossing (\$2.5)							
Tennessee	QIIP	I26-020038	Retire Basin 1 (\$0.6)							
Tennessee	QIIP	I26-020039	Repl Basin 2 & Plate Settlers	286,866	288,707	96,663	43,450	27,438	27,438	2,301,250
Tennessee	SEC	I26-020040	Chlorine Gas Conversion (\$4.5)	348,180	350,429	242,550	194,560	181,551	116,214	3,374,646
Tennessee	QIIP	I26-020043	Energy Reduction and Efficiency (\$0.87)							
Tennessee	SEC	I26-020044	New Raw Water Intake Citico (\$4)							
Tennessee	QIIP	I26-020045	Remove Filter Bldg 3							
Tennessee	None	I26-020046	New Field Services Facility (\$5)	140,828	141,731	197,692	171,435	145,009	137,847	1,276,268
Tennessee	QIIP	I26-020048	Install 6,900 ft of 8-inch Main on Elder Mountain Rd							
Tennessee	QIIP	I26-020049	Alvin York Hwy Main Replacement (\$1.5)							
Tennessee	SEC	I26-050001	Raw Water Intake Improvements Whitwell (\$2)							
Tennessee	SEC	I26-050002	Facility Upgrades at Whitwell WTP (\$0.3)							
Tennessee	SEC	I26-050003	Replace 0.5 MG Storage Tanks at Whitwell (\$.5)							
Tennessee	SEC	I26-050004	Replace 0.1 MG Storage Tank at Whitwell (\$0.3)							
Tennessee	None	I226-05000x	New Operations Center - Whitwell	33,524						256,686
Tennessee	No	I26-000002	Post Acquisition BD Capex						738,000	738,000
Total Investment Projects				\$809,397	\$780,866	\$536,904	\$409,445	\$353,997	\$1,019,499	\$7,946,850
Contributions				(20,000)	(20,000)	(20,000)	(20,000)	(20,000)	(20,000)	(240,000)
Advances				(58,333)	(58,333)	(58,333)	(58,333)	(58,333)	(58,333)	(700,000)
Total Refunds				29,167	29,167	29,167	29,167	29,167	29,167	350,000
Gross				\$2,777,982	\$2,648,450	\$2,285,862	\$1,713,365	\$1,649,995	\$2,398,546	\$27,198,678
Net				(49,167)	(49,167)	(49,167)	(49,167)	(49,167)	(49,167)	(590,000)
Gross minus Post Acq				\$2,728,815	\$2,599,283	\$2,236,696	\$1,664,198	\$1,600,829	\$2,349,380	\$26,608,678
Net minus Post Acq										
Gross				\$2,777,982	\$2,648,450	\$2,285,862	\$1,713,365	\$1,649,995	\$1,660,546	\$26,460,678
Net				(49,167)	(49,167)	(49,167)	(49,167)	(49,167)	(49,167)	(590,000)
Gross minus Post Acq				\$2,728,815	\$2,599,283	\$2,236,696	\$1,664,198	\$1,600,829	\$1,611,380	\$25,870,678

*Dollar amounts from TAWC's Annual Capital Planning Process

STATE OF KENTUCKY)
)
COUNTY OF FAYETTE)

BEFORE ME, the undersigned authority, duly commissioned and qualified in and for the State and County aforesaid, personally came and appeared Brent E. O'Neill, being by me first duly sworn deposed and said that:

He is appearing as a witness on behalf of Tennessee-American Water Company before the Tennessee Public Utility Commission, and if present before the Commission and duly sworn, his testimony would be as set forth in his pre-filed testimony in this matter.


Brent E. O'Neill

Sworn to and subscribed before me
this 15th day of November, 2018.


Notary Public

My Commission Expires: 7/25/2020

TENNESSEE-AMERICAN WATER COMPANY, INC

DOCKET NO. 18-_____

DIRECT TESTIMONY

OF

KURT A. STAFFORD, P.E.

ON

**CHANGES TO THE QUALIFIED INFRASTRUCTURE IMPROVEMENT PROGRAM
RIDER, ECONOMIC DEVELOPMENT INVESTMENT RIDER AND SAFETY AND
ENVIRONMENTAL COMPLIANCE RIDER**

SPONSORING PETITIONER'S EXHIBITS:

PETITIONER'S EXHIBIT -- CHATTANOOGA PAVING SPECIFICATION -- KAS

1
2 **Q. PLEASE STATE YOUR NAME AND BUSINESS ADDRESS.**

3 A. My name is Kurt A. Stafford and my business address is 1500 Riverside Drive,
4 Chattanooga, Tennessee 37406.

5 **Q. BY WHOM ARE YOU EMPLOYED AND IN WHAT CAPACITY?**

6 A. I am employed by the Tennessee American Water Company ("TAWC" or "Company") in
7 the role of Engineering Manager.

8 **Q. HAVE YOU PREVIOUSLY FILED TESTIMONY BEFORE THIS OR ANY**
9 **OTHER COMMISSION?**

10 A. No, I have not previously provided testimony before this or any other Commission.

11 **Q. PLEASE STATE YOUR EDUCATIONAL AND PROFESSIONAL**
12 **BACKGROUND.**

13 A. I received a B.S. degree in Civil Engineering from the University of Tennessee in
14 Knoxville, Tennessee in 2000. I have also completed a Masters in Urban and Regional
15 Planning from the University of Tennessee in 2004 as well as a Masters of Business
16 Administration from Tennessee Tech University in Cookeville, Tennessee in 2012. I am a
17 registered Professional Engineer in the State of Tennessee and the Commonwealth of
18 Virginia.

19 I have been employed by TAWC in my current role since April 2016. I began my career
20 as a Consulting Engineer in the utility and environmental remediation field working for
21 engineering firms in Knoxville, Tennessee and Lexington, Kentucky. In June 2004, I
22 accepted a role as a Staff Engineer at the Virginia Department of Environmental Quality
23 in Richmond, Virginia. In January 2007, I began working for the Knoxville Utilities Board

1 ("KUB") as a Project Engineer managing wastewater construction projects related to
2 KUB's 650 million dollar Wastewater Consent Decree Program. In 2010, I was promoted
3 to Team Leader at KUB where I managed an engineering team working on construction
4 projects for KUB's Wastewater Consent Decree Program. In 2012, I was assigned as Team
5 Leader for an engineering team who managed construction and planning projects for
6 KUB's water distribution system. Additionally, I served as a certified Level II Erosion
7 Control Inspector responsible for managing erosion control inspections and ensuring
8 construction projects for all four of KUB's utilities (gas, water, wastewater and electric)
9 conformed to local, state and federal requirements. I also served as the main point of
10 contact for both Water and Wastewater Engineering in regard to new service requests and
11 projects. I am an active member of the American Water Works Association (AWWA) and
12 American Society of Civil Engineers (ASCE).

13 **Q. WHAT ARE YOUR DUTIES AS MANAGER OF ENGINEERING?**

14 A. I am responsible for the coordination and administration of the TAWC Engineering
15 Department. This includes the planning, development, and implementation of all aspects
16 of construction projects. My responsibilities include working with developers for all new
17 main extensions, replacement of existing mains, water treatment plant upgrades and
18 modifications, new construction and improvement to network facilities. I also coordinate
19 technical assistance to all other TAWC departments as needed and oversee the capital
20 budget development and implementation. I report directly to the President of TAWC and
21 indirectly to the Director of Engineering for the Southeastern Division which consists of
22 TAWC and Kentucky American Water Company ("KAWC").

1 **Q. WHAT TOPICS WILL YOUR TESTIMONY ADDRESS?**

2 A. I will present the planned investment for the Qualified Infrastructure Investment Program
3 Rider (“QIIP”) for 2019.

4 **QUALIFIED INFRASTRUCTURE INVESTMENT PROGRAM**

5 **Q. WHAT IS THE QUALIFIED INFRASTRUCTURE INVESTMENT PROGRAM?**

6
7 A. A substantial portion of the Tennessee American Water’s distribution infrastructure is
8 between 50 and 100 years old and is nearing the end of its useful service life. The pace
9 of infrastructure replacement is a continuing concern for TAWC. The anticipated level of
10 distribution infrastructure improvement projects is increasing at a rapid pace. This is due,
11 in part, to the advanced age of the Company’s water facilities. The Qualified
12 Infrastructure Investment Program (QIIP) is an alternative ratemaking mechanism that
13 allows TAWC to recover costs associated with the replacement of critical infrastructure
14 in a more efficient manner. The QIIP more accurately reflects the ongoing investments
15 and improvements that are made in the water distribution and production systems versus
16 the less frequent but larger step increases that would result from a base rate increase
17 without QIIP. The timely recovery of the fixed costs of infrastructure replacement
18 through the QIIP provides an incentive for increased and continued levels of capital
19 replacement. This results in a stronger and more reliable water distribution and
20 production system for both current and future Customers. The Company is focusing its
21 replacement program on small diameter mains and mains that have shown a chronic level
22 of breaks. These types of mains are responsible for the majority of the distribution
23 system leaks and failures. The need to replace service lines, meters, hydrants, treatment
24 structures, pumps and equipment is critical to maintaining public safety and imperative to

1 maintaining a reliable system. Melissa Schwarzell's Pre-filed Direct Testimony further
2 outlines the QIIP and also provides details of the calculation of the QIIP, along with all of
3 the Capital Recovery Riders.

4 **Q. DOES TAWC DESCRIBE IN THIS APPLICATION HOW THE COMPANY'S**
5 **INVESTMENT PLAN, INCLUDING THE QIIP PROJECTS, ARE DEVELOPED**
6 **AND IMPLEMENTED?**

7 A. Yes, Company witness Brent E. O'Neill describes in detail how TAWC's entire capital
8 investment plan is developed.

9 **Q. WHAT ARE THE BUDGET LINES THAT ARE INCLUDED UNDER THE**
10 **QUALIFIED INFRASTRUCTURE INVESTMENT PROGRAM FOR 2019?**

11 A. The budget lines that are included in the QIIP are Line B - Mains Replaced, Line C - Mains
12 Unscheduled, Line D - Mains Relocated, Line F - Hydrants and Valves Replaced, Line H
13 - Services Replaced, Line J - Meters Replaced, and Line R - Capitalized Tank
14 Rehabilitation/ Painting. These budget lines represent investment to replace aging
15 infrastructure that is non-revenue producing. This means infrastructure that does not
16 produce additional revenue by adding new customers. Examples of infrastructure that
17 would produce additional revenue are main extensions for new development and new
18 services or new meters for new customers.

19 **Q. ARE THERE CHANGES IN THE DEVELOPMENT OF THE QIIP BUDGET**
20 **LINES FROM PREVIOUS YEARS?**

21 A. Yes. The City of Chattanooga recently enacted a Paving and Right-of-Way Ordinance
22 which could impact the cost of paving and restoration on some QIIP projects. TAWC is
23 currently working with the City of Chattanooga to modify recent revisions to the City's

1 Paving and Right-of-Way Ordinance to find a method of pavement restoration for the
2 citizens of Chattanooga that fully balances the overwhelming need for pavement
3 restoration requirements with costs to utility customers within the City of Chattanooga. A
4 copy of the City of Chattanooga's updated Paving Specification is attached as an exhibit
5 to my testimony **Petitioner's Exhibit – Chattanooga Paving Specification – KAS.**

6 **Q. WHAT IMPACT COULD CHANGES TO THE CITY OF CHATTANOOGA'S**
7 **PAVING SPECIFICATIONS HAVE ON QIIP?**

8 A. In January 2018, the City of Chattanooga modified their paving ordinances to require more
9 extensive paving requirements when working within City right-of-ways. These changes
10 were announced in late May 2018 and enforcement began on June 1st. TAWC and several
11 other impacted utilities believe these new requirements are extensive. Consequently, this
12 group of utilities is currently working with the City to modify these new requirements.
13 Given the potential financial impact of the additional paving requirements and the
14 uncertainty of the current negotiations, TAWC has added a total of \$1,000,000 to several
15 QIIP budget lines where pavement restoration is required. These additions were based on
16 a review of potential impacts to budget lines given projected 2019 projects and historical
17 trends. Impacted QIIP budget lines include Line A – Mains – New, Line B - Mains
18 Replaced, Line C - Mains Unscheduled, Line D - Mains Relocated, Line F - Hydrants and
19 Valves Replaced, Line H - Services Replaced.

20 **Q. WHAT WORK IS ASSOCIATED WITH MAINS REPLACED - LINE B AND WHY**
21 **DOES IT FALL UNDER THE QIIP?**

22 A. This investment plan line includes the scheduled replacement, renewal or improvement of
23 existing water mains, including valves and other appurtenances that are necessary to

perform the work. Work under this line is the planned and scheduled proactive replacement of water main that has been determined to have reached its useful life or is causing service problems to the area serviced by the main. Water main replaced under Main Replaced – Line B will result in a stronger and more reliable water distribution system. By replacing the aged water main infrastructure on an accelerated basis and on a proactive rather than reactive basis, the distribution system will provide direct Customer benefits in the form of improved and sustained water quality, improved fire protection, fewer service disruptions and lower operating and maintenance costs over time. The Company believes that this type of replacement work is appropriate and should be included in the QIIP.

Q. WHAT IS THE PROPOSED REPLACEMENT SCHEDULE FOR WATER MAIN REPLACEMENTS ASSOCIATED WITH LINE B?

A. TAWC plans to spend approximately \$1,875,000 to replace various size water mains within ten (10) projects during 2019. TAWC will replace approximately 12,505 feet of main during the period. These projects are not only important in addressing the aging infrastructure needs of the community, but also allow the Company to take a leadership role in reducing its carbon footprint. By replacing infrastructure that is leaking or has a high potential for failure, we are able to reduce the amount of water that is produced and reduce the amount of electricity that we use. The overall result is a reduction in the amount of fossil fuel generation required for our facilities.

Q. WHAT ARE THE PROPOSED PROJECTS THAT ARE INCLUDED IN THE WATER MAIN REPLACEMENTS ASSOCIATED WITH LINE B?

A. TAWC currently has included the following projects as part of the scheduled work associated with Line B:

- 1) Install 300 linear feet of 16-inch ductile iron main along Riverside Access Road to replace 16-inch cast iron main.
- 2) Install 1,600 linear feet of 6-inch ductile iron main along the 2400 to 2600 block of Frost Street to replace 2-inch cast iron main.
- 3) Install 1,170 linear feet of 6-inch ductile iron main along the 2700 to 2800 block of Addison Road to replace 2-inch galvanized main.
- 4) Install 320 linear feet of 4-inch ductile iron main along the 300 block of Carnation Street to replace 1.5-inch galvanized main.
- 5) Install 2,445 linear feet of 8-inch ductile iron main along the 0 to 20 block of Paulmar Street to replace 2-inch galvanized main.
- 6) Install 1,520 linear feet of 6-inch iron main along the 3400 block of Center Street to replace 1.5-inch galvanized main.
- 7) Install 1,380 linear feet of 6-inch ductile iron water main along the 1500 block of Carrol Lane to replace 2-inch galvanized main.
- 8) Install 1,350 linear feet of 6-inch ductile iron water main along the 0 to 100 block of Hollywood Drive to replace 2-inch galvanized main.
- 9) Install 1,340 linear feet of 6-inch ductile iron water main along the 0 to 100 block of Palm Beach Avenue to replace 2-inch galvanized main.
- 10) Install 1,080 linear feet of 6-inch ductile iron water main along the 0 to 100 block of Vero Beach Drive to replace 2-inch galvanized main.

Q. WHY IS THE MAJORITY OF THE MAIN BEING REPLACED CAST IRON AND GALVANIZED?

A. Within the TAWC distribution system, cast iron main and galvanized main represents approximately 50% of the total footage of main in the system. However, these two types of pipe material have experienced approximately 89.3% of all the breaks within the system during the period of January 2010 to August 2018. Over the past several years, TAWC has concentrated on replacing cast iron and galvanized main to begin the process of removing the main to start to reduce the number of main breaks the system experiences. TAWC

1 expects this effort of replacing cast iron and galvanized main will continue for several
2 decades as the approximately 700 miles of this material is removed from the system.

3 **Q. HOW DOES THE PROPOSED 2018 SPEND COMPARE TO RECENT YEARS**
4 **SPEND ASSOCIATED WITH LINE B?**

5 **A.** TAWC anticipates spending more on main replacements during 2019 than it has in recent
6 years. A total of \$250,000 has been added to this line to account for more extensive paving
7 required by the City of Chattanooga. The proposed 2019 expenditures for Line B, prior to
8 adding additional costs for paving changes, is about \$436,000 more than the nine-year
9 average taken between 2009 and 2017 of \$1,189,002. However, this line has been
10 increasing over the past few years to focus on replacing water mains. The 2018 spend for
11 this line is expected to be \$1.72M which is in line with the proposed 2019 spend. This
12 increase is due to the ability of TAWC to refocus on replacing water main that is nearing
13 its useful life following several major rehabilitation projects at the Citico Water Treatment
14 Plant. Over the past several years, TAWC has managed its capital plan to account for the
15 major projects to ensure that the impact on the Customer was minimal.

16 **Q. DOES THE COMPANY EXPECT THAT ALL OF THE PROJECTS LISTED**
17 **ABOVE WILL BE COMPLETED DURING 2019?**

18 **A.** TAWC believes that the projects listed above will be completed during 2019. However,
19 based on history, TAWC understands that some projects may be delayed or moved into
20 next year due to unexpected situations. TAWC recognizes that implementation of the
21 capital infrastructure program requires significant management, as project timelines may
22 be shifted by factors outside of TAWC's control.

1 **Q. WHY ARE CERTAIN MAIN REPLACEMENT PROJECTS DELAYED AND**
2 **PLACED IN THE NEXT YEAR?**

3 A. During the year, unexpected changes in priorities occur due to outside influences or
4 recognition of unfavorable trends that are occurring that affects infrastructure. The
5 majority of the changes are caused by unexpected conflicts between the Company's
6 infrastructure and outside agency projects that require the water main in specific locations
7 to be relocated. The other significant driver for changes in priorities involves the
8 recognition of a trend for increasing main breaks on a section of water main that requires
9 the main to be replaced sooner than expected. In both of these cases, a new project is
10 initiated to address the need to relocate or replace the water main. Since these projects
11 were not identified during the original budgeting process, the need to offset the new
12 projects' expected costs are required to ensure that the overall Company budget is
13 maintained. As a result, projects that were originally identified within the budget are
14 changed or delayed to make room for the new projects.

15 **Q. WHAT IS THE PROCESS FOR APPROVING THESE CHANGES?**

16 A. Throughout the year, TAWC actively manages each budget line to ensure that the overall
17 spending is consistent with the approved budget levels. The management of the budget
18 lines is carried out during monthly Capital Investment Management Committee Meetings
19 that compare the current capital expenditures to the budgeted levels. If changes in the
20 budgets are required due to changes in priorities or unexpected changes in projects, the
21 committee reviews the need for the changes and approves the movement of available
22 capital from other budget lines to offset the changes in capital spend and maintain the
23 overall projected spend for the year.

1 **Q. WHAT WORK IS ASSOCIATED WITH UNSCHEDULED MAIN**
2 **REPLACEMENTS - LINE C AND WHY DOES IT FALL UNDER THE QIIP?**

3 A. This investment plan item includes the unscheduled replacement or restoration of existing
4 water mains, including valves and other appurtenances that are necessary to perform the
5 work. The work associated with the Unscheduled Main Replacements of Line C is similar
6 to that of Main Replaced on Line B and addresses water mains that have started to
7 experience chronic issues. However, unlike the Main Replaced on Line B, the work
8 associated in Line C is a result of an unexpected failure of the main or valve that causes
9 impact to the Customer and requires immediate work to correct the failure. The nature of
10 the work is a reaction to an unexpected event, the work associated in Line C cannot be
11 planned and scheduled, thus TAWC considers this work as unscheduled. The majority of
12 work associated with Line C is replacement of water mains that have experienced an
13 unscheduled break or failure and the Company has determined that the replacement of a
14 section of the main will allow the service life of the main to be extended rather than just
15 repairing the failure with a temporary clamp and replacing the main through Line B. The
16 Company believes that this type of replacement work is appropriate and should be included
17 in the QIIP.

18 **Q. WHAT IS THE PROPOSED REPLACEMENT RATE FOR WATER MAIN**
19 **REPLACEMENTS ASSOCIATED WITH THE UNSCHEDULED MAIN**
20 **REPLACEMENTS OF LINE C?**

21 A. TAWC plans to spend approximately \$1,755,000 to replace various size water mains
22 during unscheduled events. Based on a review of historical trends associated with Line C,
23 a total of \$500,000 was added to this budget line to account for increased pavement

1 restoration under the revised City of Chattanooga Paving Ordinance. The \$1,255,000
2 figure is the projected spend prior to adding additional dollars for paving. This number is
3 comparable to the three-year average of \$1,289,776 for 2014, 2015 and 2017. The spend
4 for 2016 was not utilized since it was an anomaly due to the cost of repairing the 30-inch
5 river crossing break. As we replace sections of main, the existing main will be more stable
6 and the life of the main will be extended, which will allow for a more concentrated effort
7 for main replacements on mains that have a larger history of breaks.

8 **Q. WHAT BENEFIT HAS TAWC SEEN WITH THE WATER MAIN**
9 **REPLACEMENTS ASSOCIATED WITH UNSCHEDULED MAIN**
10 **REPLACEMENTS OF LINE C AND MAIN REPLACEMENTS OF LINE B?**

11 A. TAWC is projecting a 5% reduction in water main breaks during 2018 based on breaks
12 through August 2018 when compared to the ten-year average from 2008 to 2017. An
13 exceptionally cold January resulted in 75 breaks in one month. Removing January from
14 the data shows that 2018 main breaks would otherwise be on track to result in an
15 approximately 22% reduction in the total number of main breaks as compared to the ten-
16 year average. TAWC contributes this reduction, in part, due to the focus on replacing main
17 with a chronic history of main breaks rather than the previous initiative of repairing mains.
18 TAWC further believes that the reduction in the average number of main breaks is directly
19 correlated to the level of spending in the Unscheduled Main Replacement of Line C.

20 **Q. WHAT WORK IS ASSOCIATED WITH MAINS RELOCATED - LINE D AND**
21 **WHY DOES IT FALL UNDER THE QIIP?**

22 A. This budget line includes the relocation of existing water mains, including valves and other
23 appurtenances, which are necessary due to ongoing municipal or state agency projects.

1 These costs are not reimbursable. The work associated with the Main Relocated –Line D
2 is a replacement of infrastructure that is impacted by improvements being proposed by a
3 municipal or state agency that causes a conflict with the Company’s infrastructure. The
4 Customer benefits by work associated with the Main Relocated – Line D since the
5 replacement main that is installed to eliminate the conflict with the municipal or state
6 agency projects is typically a newer main that is stronger and more reliable than the main
7 being replaced. TAWC believes this type of relocation work is appropriate and should be
8 included in QIIP.

9 **Q. WHAT MAINS HAVE BEEN IDENTIFIED FOR RELOCATION THAT IS**
10 **ASSOCIATED WITH LINE D?**

11 A. No specific mains have been identified but TAWC anticipates that there will be some
12 unforeseen work based on experience. TAWC plans to spend approximately \$275,000 to
13 replace various size water mains within the distribution system that is required to be
14 relocated due to the work of a municipal or state agency. Historically, the five-year average
15 spend for this category had been \$1,062,566. The 2019 spend is well below the five-year
16 average. The average spend has been driven by large Tennessee Department of
17 Transportation (TDOT) projects. TAWC is not aware of any TDOT projects proposed for
18 2019 that would require relocation of existing infrastructure at this time. A total of \$25,000
19 was added to this line to account for additional paving requirements under the revised City
20 of Chattanooga Ordinance.

21 **Q. WHAT WORK IS ASSOCIATED WITH HYDRANTS AND VALVES REPLACED**
22 **- LINE F AND WHY DOES IT FALL UNDER THE QIIP?**

1 A. This line item includes the replacement of leaking, failed or obsolete hydrants, including
2 hydrant assemblies and valves that are Company funded. Through the replacement of
3 hydrants and valves that have been determined to not function properly through ongoing
4 inspections allows TAWC to maintain public safety and ensure the distribution system is
5 able to provide adequate and reliable service to the community. Since the work is
6 associated with the replacement of infrastructure to maintain public safety and provide
7 reliable service, the Company believes it is appropriate and should be included in QIIP.

8 **Q. WHAT IS THE PROPOSED REPLACEMENT SCHEDULE FOR HYDRANTS**
9 **AND VALVES?**

10 A. TAWC plans to spend approximately \$442,000 to replace hydrants and valves. Of this
11 amount, TAWC plans to spend a majority of this amount on replacing 16 broken valves
12 that have been identified during valve inspections over the past several years. The estimate
13 to replace these valves is \$289,500. Within this line, TAWC expects to replace 35 hydrants
14 that have been determined during inspections to be damaged or in need of extensive repair.
15 The estimate to replace these hydrants is \$102,500. These total to \$392,000 and then
16 \$50,000 was added to comply with the revised City of Chattanooga paving requirements.
17 The amounts proposed for Line F during 2019 is similar to the 6-year average spend
18 between 2012 and 2017 of \$414,479.

19 **Q. WHAT WORK IS ASSOCIATED WITH SERVICES REPLACED - LINE H AND**
20 **WHY DOES IT FALL UNDER THE QIIP?**

21 A. This investment plan item includes the replacement of water services or the small diameter
22 pipe that connects the Customer to the Company's distribution main. The work includes
23 the replacement of the water service line between the Company's distribution main and the

Customer's property line, including the replacement of corporation stops, or shut-off valves. The replacement of water service lines that are causing a reduction in water pressure or flow or concerns with water quality are included in the work performed within this spending line. By replacing these services, the Company is able to provide better service Customers. TAWC believes this type of replacement work is appropriate to maintain reliable service to a Customer and should be included in QIIP.

Q. WHAT IS THE PROPOSED REPLACEMENT SCHEDULE FOR SERVICES WITHIN LINE H?

A. TAWC plans to spend approximately \$697,000 to replace services during this period. A total of \$50,000 was added to this budget line due to the City's revised paving ordinance. Based on the average cost per service replacement of \$2,375, TAWC will replace approximately 273 services. The anticipated spend of \$647,000 during 2019 is slightly higher than the average spend of \$617,721 for 2017 and 2018.

Q. WHAT IS THE WORK ASSOCIATED WITH METERS REPLACED - LINE J AND WHY DOES IT FALL UNDER THE QIIP?

A. This investment plan item includes the replacement or improvement of existing customer meters and meter settings with or without technology changes. The work associated with this spending line allows for the replacement of meters and meter settings that are nearing the end of their useful service life and could cause service disruptions or inconveniences to a Customer if they were to fail. The Company believes this type of replacement work is appropriate to maintain reliable service to a Customer and should be included in QIIP.

Q. WHAT IS THE PROPOSED REPLACEMENT SCHEDULE FOR METERS?

1 **A.** The total estimated meter replacement cost for the period is \$4,255,000. Based upon an
2 average cost of meter replacements of approximately \$187 per meter, TAWC will replace
3 approximately 22,692 meters.

4 **Q. HOW DOES THIS COMPARE TO PAST YEARS OF METER REPLACEMENTS?**

5 **A.** The proposed 2019 investment of \$4,255,000 is a significant increase as compared to the
6 five-year average between 2013 and 2017 of \$993,394. Spending on this budget line
7 started increasing in 2017 with a spend of \$1,741,312 that began the process of replacing
8 meters in the system with Automatic Meter Reading (AMR) meters.

9 **Q. WHY IS THERE A SUBSTANTIAL INCREASE IN SPENDING ON THE METERS**
10 **REPLACED - LINE J?**

11 **A.** Along with the normal replacement of meters that are nearing their useful life, 2019 will
12 be the third year that TAWC is replacing the meters in the system with AMR meters, which
13 enables TAWC to obtain electronic readings while driving by a location rather than
14 physically approaching each meter. Through the implementation of this meter technology,
15 TAWC can become more efficient with its meter reading process. TAWC currently plans
16 to deploy these meters throughout the system through 2021. Upon full deployment of the
17 AMR meters, TAWC would expect to see a reduction in the number of meter reading
18 related service orders and a reduction in the number of estimated bills issued. With the
19 AMR meters the Customer will receive less billing errors and have increased confidence
20 that they are being billed for correct amount of water that they have used during the billing
21 period. Although TAWC believes that the resources needed to read meters would be
22 reduced, it does not expect that there will be an impact to the number of overall personnel
23 within the Company. TAWC expects to utilize efficiencies realized with the full

1 deployment of the AMR system in 2021 in new tasks associated with maintaining the AMR
2 equipment and ability to address Customer inquiries more efficiently.

3 **Q. WILL METERS REPLACED IN 2019 ONLY INCLUDE REPLACEMENTS**
4 **SLATED FOR THE AMR CHANGEOVER?**

5 No. The AMR transition will be completed by 2021 as planned. There are 12,125 meter
6 replacements designated for AMR transition in 2019. Additionally, there are 10,567 meters
7 that need to be replaced to comply with recent length of service guidance from American
8 Water Works.

9 **Q. WHAT IS THE WORK ASSOCIATED WITH CAPITALIZED TANK**
10 **REHABILITATION/ PAINTING – LINE R AND WHY DOES IT FALL UNDER**
11 **THE QIIP?**

12 A. This investment plan item includes the rehabilitation and painting of water storage tanks
13 within the distribution system. Performance of periodic rehabilitation and painting of
14 these water storage tanks maintains the ability of the water distribution system to provide
15 reliable service and ensure the system is able to meet the demands during peak Customer
16 demand periods and during firefighting periods. In addition, this rehabilitation work allows
17 the system to ensure that it is able to provide safe water to its Customers. Through the
18 rehabilitation of the tank, the system's reliability is maintained and should be included in
19 QIIP.

20 **Q. DISCUSS THE WORK ASSOCIATED WITH CAPITALIZED TANK**
21 **REHABILITATION/ PAINTING INCLUDED WITH LINE R?**

22 A. TAWC plans to spend \$1,125,000 to rehabilitate Aldrich Unit 6. This is one of TAWC's
23 dual sedimentation and filtration units. In 2017, it was discovered that the filter underdrain

1 was damaged and it was taken out of service. The rehabilitation will replace or rebuild the
2 underdrain and rehabilitate the entire structure. The five-year average for capitalized tank
3 rehabilitation/painting is \$753,936 for the years 2013 to 2017. The 2019 spend is higher
4 than average. Rehabilitation of Aldrich Units is fairly capital intense due to their large
5 size. In the case of Unit 6, some additional work on the underdrains will also be required.

6 **Q. ARE THERE ANY CAPITAL INVESTMENT PROJECTS (“IP”) THAT ARE**
7 **INCLUDED UNDER THE QUALIFIED INFRASTRUCTURE INVESTMENT**
8 **PROGRAM?**

9 A. Yes. TAWC has one Capital Investment Project that will be placed in service during 2019.
10 The project is Replace Basin 1 & Plate Settlers with an approximate cost of \$2,301,250.
11 The project allows TAWC to replace an existing sediment basin with new technology and
12 to increase the capacity of basin 1 sufficiently so that basin 2 can be taken out of service.
13 This project will create synergies with recently replaced basin 3 since both basins will
14 utilize the same sedimentation processes and allow for a similar coagulant feed rate. The
15 project will be in service in December 2019.

16 **Q. HAVE THERE BEEN MODIFICATIONS TO BASIN 1 SINCE IT WAS PLACED**
17 **INTO SERVICE?**

18 A. Basin 1 was constructed in 1900. The concrete walls and floor are original. Over time,
19 minor maintenance and repairs have been performed as needed. In 2010, flocculation
20 mixers were added in the front end of the basin to ensure compliance with all applicable
21 state and federal standards.

22 **Q. WILL ANY PORTIONS OF BASIN 1 BE REUSED DURING THE UPCOMING**
23 **PROJECT?**

1 A. In order to ensure the efficiencies of basins 3 and 1 are maximized and an optimal coagulant
2 feed rate is maintained, the new basin 1 will mimic the exact processes utilized in basin 3.
3 This includes the inclusion of plate settlers and specialized flocculation technology.
4 Therefore, it is not anticipated that any components of the existing basin will be reused.

5 **Q. DOES THIS CONCLUDE YOUR DIRECT TESTIMONY?**

6 A. Yes.

ARTICLE III. - EXCAVATIONS AND RESTORATION OF PAVING^[2]

Footnotes:

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Cross reference— Plumbing, Ch. 27; encroachments and excavations on state and federal highways, § 32-86, et seq.

Secs. 32-61. - Reserved.

(Ord. No. 12337, 1-5-10; Ord. No. 12824, § 2, 3-25-14)

Sec. 32-62. - Permit required.

It shall be unlawful for any person to make any excavation in or to tunnel under any street, curb, alley, or right-of-way as defined under Chattanooga City Code Section 32-231, as amended, in the City without first having obtained a street cut permit and complying with the provisions of this Article. It shall be unlawful to violate or to vary from the terms of any such permit; provided, however, any person maintaining pipes, lines, driveways, or other facilities including private structures for erecting public access in or under the surface of any right-of-way may proceed with an excavation without a permit when emergency circumstances demand the work to be done immediately, and provided further that the person shall apply for a permit on the next working day.

(Ord. No. 12337, 1-5-10; [Ord. No. 13267, § 3, 1-30-18](#))

Sec. 32-63. - Applications.

Applications for such permits shall be made to the Building Official and shall state thereon the location of the intended excavation or tunnel, the size thereof, the purpose thereof, the name of the person doing the actual excavating, and the name of the person for whom the work is being done. The applicant shall disclose any foreseeable lane or sidewalk closures or detours during excavation. As a condition of issuing a permit, all applicants must agree in writing as part of the application to comply with all ordinances and laws relating to the Work to be done. The Building Official or his designee shall consider each application for a permit filed under this Article, under all facts and circumstances, shall grant or refuse the permit within five (5) working days and shall endorse his action on the application. The Building Official shall refer such application to the Transportation Department for review and comment when a professional opinion on the propriety of issuing a permit or conditions to attach thereto is needed. The action of the Building Official in granting or refusing a permit shall be final, except as it may be subject to review at law. A permit may be refused for the following reasons:

- (a) The proposed work should be redesigned to mitigate a potential safety hazard;
- (b) The proposed work should be redesigned to mitigate damage within the right-of-way;
- (c) The proposed work cannot be safely made in the Right-of-Way;
- (d) The proposed restoration plan does not meet the minimum City standards for restoration;
- (e) The applicant has willfully failed to comply with conditions of prior permits issued to the applicant; provided that such disqualification shall be removed upon correction of any such defects; or
- (f) For other good cause in the discretion of the Building Official.

Provided that as to an excavation done in emergency circumstances the application shall be completed on the next working day; and the Building Official shall review the actual work completed for conformity with the requirements hereof.

(Ord. No. 12337, 1-5-10; Ord. No. 12823, § 1, 3-25-14; [Ord. No. 13267, § 3, 1-30-18](#))

Sec. 32-64. - Application Fee.

Each application shall be accompanied by a fee as follows:

- (a) A permit fee of Three Hundred Dollars (\$300.00) for all permits shall apply to no more than one cut or Work of the following type:
 - (1) Transverse cut in the roadway pavement;
 - (2) Longitudinal cut in the roadway pavement of up to three hundred (300) feet in length;
 - (3) Within an intersection;
 - (4) Concrete curb or concrete gutter; or
 - (5) Concrete sidewalk.
- (b) In addition to the fixed permit fee for all permits, applicants are responsible for additional fees as follows:
 - (1) One Hundred Dollars (\$100.00) each for each additional transverse roadway cut;
 - (2) One Hundred Dollars (\$100.00) each for each additional cut in the concrete sidewalk or concrete curb or gutter; and
 - (3) One dollar (\$1.00) for each additional foot of longitudinal cut in the roadway pavement beyond three hundred (300) feet.
- (c) Street cut permit is not required for cuts outside the sidewalk and street pavement.
- (d) Written notification of intent to work in a right-of-way must be received at least twenty-four (24) hours prior to beginning work, even if a permit is not required, except in emergencies. E-mail is considered a written notice. All applicants for any permits which require street or sidewalk closure should be submitted with enough written notice to comply with road closure policies administered by the Transportation Department.
- (e) Additionally, work zone permits are required for Work that limits public access to the full right-of-way, such as those requiring closure of a street or sidewalk or the temporary use of a curb-side parking space. Additional work zone permit fees may apply based on impact to the general public.
- (f) Permits for relocation or installation of fire hydrants will be required when requested by the City, but no fee (including administrative fees) will be required.
- (g) No more than five (5) multiple cuts, each not exceeding twenty-five (25) square feet in area, when required in a single block or within a work zone distance of two hundred fifty (250) feet as part of a single project, are considered as one (1) cut. Permit and fee will be required for a single cut under these conditions. If the cut exceeds two hundred fifty (250) feet, or multiple cuts within a block or a work zone greater than two hundred fifty (250) feet, or the number of cuts within two hundred fifty (250) exceeds five (5), then all lanes that are disturbed by construction shall be repaved from intersection to intersection.

Cuts within any intersection of a City street require repavement of the entire intersection including marked crosswalks. For stamped or concrete crosswalks, replacement of the crosswalk is not required unless the cut includes the pavement of the crosswalk itself.

Any cut that includes a concrete ADA curb ramp requires full replacement of the ramp in compliance with current laws and codes.

- (h) Neither permits nor fees will be required when work in the right-of-way is conducted as part of a City street improvement project, including resurfacing, where the utility is required to move their facilities as a result of the City project.
- (i) Except as otherwise stated in this Chapter, fees shall not be waived under any other conditions.
- (j) When it is determined that non-emergency work in the City right-of-way has proceeded without the purchase of a permit, the contractor or utility shall immediately purchase a street cut permit, and the fee for the permit shall be double the standard fee; and, no further permits shall be issued to the contractor or utility until such time as the improper work is removed and replaced in accordance with this Code.
- (k) Where work in the City right-of-way is self-performed by one (1) of the following entities, or by one (1) of the entity's approved contractors, the fee for each permit shall be invoiced monthly:
 - (1) Electric Power Board of Chattanooga;
 - (2) Tennessee-American Water Company;
 - (3) Chattanooga Gas Company;
 - (4) AT&T;
 - (5) Comcast Cable Company;
 - (6) Hixson Utility District; and
 - (7) Eastside Utility District.
- (l) Fees set forth within this Section may be revised by the City in connection with the annual budget adopted each fiscal year.

(Ord. No. 12337, 1-5-10; Ord. No. 12824, § 1, 3-25-14; [Ord. No. 13267, § 3, 1-30-18](#))

Sec. 32-65. - Manner of excavating; barricades and lights.

Any person making any excavation shall do so according to the specifications and standards issued by the Transportation Department. In accordance with the Manual on Uniform Traffic Control Devices (MUTCD), sufficient and proper barricades, lights and other traffic control devices shall be maintained to prevent accidents and injury to persons or property. If any sidewalk is blocked, a temporary sidewalk shall be provided which shall be safe for travel and accessible for all users. No work installing or maintaining such safety measures and/or temporary sidewalks shall be done which deviates from the approved plans and until a change of plans has been secured in writing from the Building Official. All expenses of such safety measures and temporary sidewalk shall be borne by the applicant or owner.

(Ord. No. 12337, 1-5-10; Ord. No. 12823, § 1, 3-25-14; Ord. No. 12824, § 1, 3-25-14; [Ord. No. 13267, § 3, 1-30-18](#))

Sec. 32-66. - Bond required.

When permits are required to excavate or in any way obstruct any street in the City, the Building Official shall require from such applicant, before granting a permit, a bond with good and sufficient sureties, conditioned to secure the City against all loss, damage or injury of any kind which may result to the City by reason of such excavation or obstruction; provided, that persons engaged in the business of contracting shall be allowed to give an annual bond, instead of a bond for each obstruction such annual bond in every instance to be renewed at least once every twelve (12) months.

(Ord. No. 12337, 1-5-10; [Ord. No. 13267, § 3, 1-30-18](#).)

Sec. 32-67. - Manner of excavating street.

- (a) In excavating any street, all material for paving or ballasting must be removed with the least possible injury or loss of the same, and together with the excavated materials from the trenches, must be placed where they will cause the least possible inconvenience to the public. All pavement where trench excavations are to be made shall be saw cut. Cutting the street with a jackhammer or a hoe-ram is strictly prohibited.
- (b) The permittee shall carry on the Work as authorized by the permit in such manner as to cause a minimum interference with traffic. The permittee shall provide adequate warning signs and devices to warn and guide traffic, and shall place the signs and warning devices in a position of maximum effectiveness. The latest editions of the Manual on Uniform Traffic Control Devices, copies of which are on file in the Transportation Department Office, and are generally available online, may be used as a guideline for proper positioning of signs and devices.
- (c) Where difficult or potentially hazardous conditions exist, the permittee shall provide competent flagmen to effect a safe and orderly movement of traffic. Where insufficient traffic lanes exist because of street openings, adequate bridging shall be supplied and maintained by the permittee. When traffic congestion occurs in spite of all precaution, the permittee shall be responsible for providing a flagman. In the event the Land Development Office or Transportation Department shall discover any hazardous excavation or unwarranted traffic congestion where flagmen have not been provided, it shall direct the permittee to immediately post flagmen. A failure to post flagmen following a directive shall be a violation of this Article, and shall subject the permittee to penalties and/or rescission of the permit.
- (d) On main thoroughfares and in congested districts, sufficient traffic lanes shall be kept open at all times to permit substantially normal traffic flow. However, if this requirement is not possible, then Work shall be done only during the period between 9:00 a.m. and 4:00 p.m. or between 7:00 p.m. and 6:00 a.m., as the Transportation Department may designate.
- (e) For backfill in roadway areas, the contractor shall provide six (6) inches of graded aggregate base above the utility's main line. From top of graded aggregate base backfill to within four (4) feet of the street surface, the contractor shall provide fine aggregate (crushed limestone dust no larger than one-sixteenth (1/16) inch. Each eight (8) inch lift of the fine aggregate base shall be moistened and compacted by means of a mechanical tamp. The contractor shall complete the backfill up to the bottom of the paving with flowable fill with a compressive strength of two hundred (200) to two hundred fifty (250) psi in forty-eight (48) hours. Flowable fill shall be placed a minimum of forty-eight (48) hours prior to the placing of the asphalt or concrete topping. Where it is impractical to use flowable fill because of terrain, slope, width of trench, or other situations, the material for the backfill in the roadway areas may be approved for cement treated aggregate base at the sole discretion of the Department of Transportation. Each eight (8) inch layer of backfill shall be thoroughly compacted by means of a mechanical tamp. Other backfill materials may be acceptable, but prior approval for the substitution shall be determined by the Land Development Office.
- (f) Backfill for trenches within the sidewalk areas shall be compacted graded aggregate base instead of loose washed stone. Each eight (8) inch layer of graded aggregate base shall be thoroughly compacted by means of mechanical tamp.
- (g) Any perpendicular cut in a roadway must be repaved no less than the full width of the travel lane(s) that it cuts, and a minimum of ten (10) feet on each side of the centerline of the excavation. Any longitudinal cut must be repaved no less than the full width of the travel lane(s) that it cuts extended no less than ten (10) feet beyond the beginning and end of the cuts being made.
- (h) The proposed restoration plan shall require that permanent repairs or restoration of street cuts shall be made to match existing surfaces.

(Ord. No. 12337, 1-5-10; Ord. No. 12391, 4-27-10; Ord. No. 12823, § 1, 3-25-14; Ord. No. 12824, § 1, 3-25-14; [Ord. No. 13267, § 3, 1-30-18](#))

Sec. 32-68. - Liability and responsibility for repair.

- (a) Subject to the provisions set forth within this Section, any person who shall properly make any excavation or other change to the right-of-way, and shall have same inspected by the Building Official or his designee, shall be relieved from any liability for any defects due to inadequate workmanship or defective materials provided the excavation shall remain free from defects for twelve (12) months following installation.
- (b) If a contractor, utility, or other entity makes one (1) cut or excavation within one (1) street segment within the City right-of-way, causing disruption to any part of the pavement within one (1) year after said right-of-way has been resurfaced or constructed, said contractor, utility, or other entity shall repave the entire street segment. If a contractor, utility, or other entity makes two (2) cuts or excavations within one (1) street segment within the City right-of-way, causing disruption to any part of the pavement within two (2) years after said right-of-way has been resurfaced or constructed, said contractor, utility, or other entity shall repave the entire street segment. If a contractor, utility, or other entity makes three (3) or more cuts or excavations within one (1) street segment within the City right-of-way, causing disruption to any part of the pavement within five (5) years after said right-of-way has been resurfaced or constructed, said contractor, utility, or other entity shall repave the entire street segment.
- (c) Said repaving specified in this Section shall be completed to the standards approved by the Transportation Department and shall be performed under the supervision and control and at the direction of the City. The contractor, utility, or other entity shall bear the entire cost of such repaving. The contractor, utility or other entity shall be prohibited from acquiring any permits for additional excavations in any City right-of-way until such time as the repaving required by this street segment section is completed and approved by the Transportation Department.
- (d) If a contractor, utility, or other entity damages any traffic control device, then said contractor, utility, or other entity shall immediately replace the device(s) per the standard of the Transportation Department. Damaged signal detection loops or sensors shall be replaced including connection to the signal cabinet with oversight by the Transportation Department. Damaged pavement markings (stop bar, crosswalk, lane line, turn arrow, bike symbol, colored pavement, or other) shall be replaced in ninety (90) mil thermoplastic.

(Ord. No. 12337, 1-5-10; Ord. No. 12823, § 1, 3-25-14; Ord. No. 12824, § 1, 3-25-14; [Ord. No. 13267, § 3, 1-30-18](#))

Sec. 32-69. - Inspection.

It shall be the responsibility of any person granted a permit to schedule an inspection of the permitted work by the City's Inspector upon such conditions as may be specified in the permit. The utility or contractor making any changes to a City right-of-way, shall, at a minimum, have the following inspections performed by the City's Inspector:

- (a) After the repairs or installation of the new conduit or piping and before the graded aggregate base fill over the pipe has been placed;
- (b) During the placement of the flowable fill or other approved fill in the sole discretion of the Transportation Department; and
- (c) Final completion.
- (d) Should inspections be required after normal working hours or on weekends, the contractor or utility making the changes to the City right-of-way, shall reimburse the City for the inspector's

time at a rate to be determined in accordance with the personnel policies in effect at the time the repairs are performed.

When it is determined that improper work has been performed in the City's right of way, the contractor or utility responsible for the work shall remove improper work and reinstall the work in accordance with the City Standards. If a permit was not obtained, the contractor or utility shall purchase a permit and the fee shall be double the normal fee. No future permits will be issued to the violating contractor or utility until the improper work has been corrected.

(Ord. No. 12337, 1-5-10; Ord. No. 12823, § 1, 3-25-14)

Sec. 32-70. - Specification.

Upon issuance of each permit, the Building Official shall specify minimum restoration standards applicable to the permit. The Transportation Department shall prepare and provide standard specifications for routine circumstances, which may be specifically referenced in the permit. Provided that where the work involved is greater in scope than provided for by standard specifications as determined by the Land Development Office or Transportation Department, the permittee shall be required to submit suitable plans of installation and street restoration for approval prior to issuance of a permit.

(Ord. No. 12337, 1-5-10; Ord. No. 12823, § 1, 3-25-14; Ord. No. 12824, § 1, 3-25-14)

Sec. 32-71. - Insurance.

Each person applying for a permit shall file a certificate of insurance (or provide other proof in form and substance to be approved by the City Attorney) indicating that he is insured, or the applicant shall provide an indemnity agreement with security satisfactory to the City Attorney, against claims of personal injury or property damage which may arise from or out of the performance of the work, whether such performance be by the applicant, a contractor or subcontractor, or anyone employed by him. Such insurance or indemnity agreement shall cover collapse, explosive hazards, and underground work by equipment on the street, and shall include protection against liability arising from completed operations. The minimum amount of the liability insurance for bodily injury shall not be in an amount less than three hundred thousand (\$300,000.00) for each person and seven hundred thousand dollars (\$700,000.00) for each accident and for property damages in an amount not less than one hundred thousand dollars (\$100,000.00), unless other limits are established by the Tennessee Governmental Tort Liability Act.

(Ord. No. 12337, 1-5-10)

Sec. 32-72. - Supervision.

The Building Official, or his designee, shall from time to time inspect all excavations and see to the enforcement of the provisions of this ordinance. The permittee shall give notice to the Building Official, or his designee, before refilling any such excavation or tunnel and said work may not commence until the Inspector arrives at the site or otherwise gives permission to proceed.

(Ord. No. 12337, 1-5-10)

Secs. 32-73—32-85. - Reserved.

ARTICLE XII. - STREET CONSTRUCTION

Sec. 32-271. - Purpose.

The purpose of this Article is to provide specifications and procedures for acceptance of public streets, sewers, stormwater facilities, and other infrastructure dedicated to the public through subdivision plans or otherwise.

(Ord. No. 11451, § 1, 9-2-03; Ord. No. 11882, § 1, 9-5-06)

Sec. 32-272. - Conformity to Official Plans.

When a tract of land to be subdivided includes any part of a proposed road or street shown on the General Plan, Land Use Plan, Major Street Plan, or any other plan adopted by the Planning Commission or City Council, such street right-of-way should be platted by the subdivider in the location so designated, and at the width specified in the subdivision regulations.

(Ord. No. 11451, § 1, 9-2-03; Ord. No. 11882, § 1, 9-5-06)

Sec. 32-273. - Street Design and Construction Standards.

- (a) Pavement, cul-de-sac and right-of-way widths and radii must be per City of Chattanooga design and construction standards.
- (b) The developer shall submit a pavement design prepared by a Tennessee licensed professional engineer for approval of the Transportation Department. For subdivisions that will be constructed in stages, the pavement design shall be based on the number of lots from all stages and on a field evaluation of the subgrade soils conducted by a Geotechnical Engineer.

The Geotechnical Engineer shall complete a field evaluation of the roadway before any roadway construction begins. The Geotechnical Engineer shall conduct a field exploration of the soils along the roadway alignment at a spacing of no greater than five hundred (500) feet and obtain samples of the subgrade soils for laboratory evaluation. A composite soil sample of each soil type shall be obtained and tested for plasticity (Atterberg limits, ASTM D4318) and standard Proctor moisture-density relationship (ASTM D698). California Bearing Ratio (ASTM D1883) tests shall be conducted on a composite sample representative of the soil conditions, as determined by the Geotechnical Engineer. The California Bearing Ratio (CBR) test shall be conducted on soaked samples.

- (c) Preliminary or final plat approval by the Planning Commission does not constitute permission to begin any street or utility construction. Street and utility construction plans may be approved as a whole or in part. Construction of approved portions of the work shall not precede issuance of applicable Land Disturbing Activity Permits.
- (d) Quality assurance during construction will be required. The developer shall select a Geotechnical Engineering firm from the current Tennessee Department of Transportation ("TDOT") approved list and notify the city of that selection. Geotechnical firms who wish to provide quality assurance, but are not on TDOT approval list, may submit Tennessee DOT Form DT-0330 Parts I and II for approval at the discretion of the Transportation Department. The geotechnical firm shall contract directly with the developer to provide quality assurance on the project. The developer shall be responsible for scheduling the geotechnical firm. Minimum testing requirements are described in this article. Location and scheduling of testing shall be coordinated with the City's representative for assurance of reasonable conformance with the requirements described in this article prior to performing tests to avoid the expense of retesting. Testing milestones shall be established during the Preconstruction Conference required in Section 32-288 (d) of this article. A final report by the geotechnical engineer that the quality assurance tests and inspections have been performed and the construction has been completed in substantial compliance with City of Chattanooga design and construction standards, specifications, and applicable portions of subdivision regulations will be required before the plat is recorded. The final report shall be compiled in accordance with all applicable ASTM standards for geotechnical reporting. One (1) copy of the final report shall be given to the City.

(Ord. No. 11451, § 1, 9-2-03; Ord. No. 11737, § 1, 9-6-05; Ord. No. 11882, § 1, 9-5-06)

Sec. 32-274. - Grading.

- (a) Before grading is started, the roadway construction area shall be cleared of conflicting trees, and all stumps, roots, weeds, logs, heavy vegetation, and other objectionable matter, and shall be grubbed to a depth below the proposed grade in cuts and the natural ground in fills so as to expose suitable subgrade. The cleared material shall be removed from within the right-of-way limits and disposed of in such a manner that it will not become incorporated within the fills, nor in any manner hinder proper operation of the storm drainage system.
- (b) Suitable material may be used in the construction of embankments or at any other place needed. If rock is encountered, it shall be removed as determined by the geotechnical engineer. Where boulders are encountered, they should be removed 6 inches below the proposed grade. Onsite materials may be used, provided they are used according to the recommendations of the Geotechnical Engineer. If imported fill is used to construct road embankments, the materials shall meet the following requirements:
 - (1) Standard Proctor Maximum Dry Density $\geq$ one hundred (100) pounds per cubic foot within the top two (2) feet of finished subgrade elevation; or ninety-five (95) pounds per cubic foot below the top two (2) feet.
 - (2) Liquid Limit $\leq$ 60.
 - (3) Plasticity Index $\leq$ 35.

(Ord. No. 11451, § 1, 9-2-03; Ord. No. 11882, § 1, 9-5-06; Ord. No. 12824, § 1, 3-25-14)

Sec. 32-275. - Utility Construction.

- (a) Prior to any base material being placed, all underground work that is to be within the right-of-way or the right-of-way subgrade shall be completed and backfilled with stone, if necessary. This includes all drainage, sewerage, water, telephone, electrical, gas, cable television, and other utilities to the end that the completed roadway will not be disturbed for the installation of any utility main or service connection for any utility.
- (b) Sanitary sewer shall be constructed in accordance with City of Chattanooga Design and Construction standards and Tennessee Department of Environmental Health requirements.
- (c) Storm sewers shall be constructed in accordance with Best Management Practices (BMP) and City of Chattanooga design and construction standards.
- (d) All underground utility conduits and piping shall be installed prior to proof rolling and placement of base material. Installation and backfill shall be observed by the Geotechnical Engineer. In the event all utility construction is not complete due to circumstances beyond the control of the developer and/or contractor, proof rolling and placement of base material may begin subject to completion of all underground conduits and piping beneath the road and two (2) feet beyond the edge the proposed base material. A City representative will be present for up to two (2) sanitary sewer tests. One (1) test will be performed prior to proof rolling and placement of base material. A second test will be performed after all utility construction within the right-of-way is complete. In the event all utility construction is complete prior to the first test, only one (1) test will be performed.
- (e) Utility trenches shall be backfilled with either crushed rock, soil, or flowable fill according to the following requirements:
 - (1) Bedding: All utility trenches shall be bedded with a six (6) inch layer of either open-graded crushed rock or sand. Bedding shall be placed and compacted using a vibratory compactor. Where necessary, bell holes shall be cut into the bedding at pipe joints locations.

- (2) Initial Fill: After the utility line has been placed, the utility trench shall be backfilled with open graded crushed rock or sand to at least twelve (12) inches over the top of the utility. The backfill shall be compacted using a vibratory compactor.
- (3) Secondary Fill: From twelve (12) inches over the top of the utility to eighteen (18) inches below the subgrade elevation, the utility trench may be backfilled with either open-graded crushed rock, sand, or soil fill. Sand or soil backfill shall be placed in maximum one (1) foot layers and compacted. Sand or soil backfill shall be compacted to achieve at least ninety-five percent (95%) of the standard Proctor maximum dry density. Density tests shall be conducted for every one (1) foot layer of backfill at a frequency of one (1) test per one hundred (100) feet for utilities running along the longitudinal axis of the road, or one (1) test for utilities crossing the road. Open-graded crushed rock backfill does not require compaction in lifts, but must be consolidated using vibratory compaction equipment. The placement and consolidation must be observed by the geotechnical engineer.
- (4) Final Backfill: The final eighteen (18) inches of the utility trench backfill shall be backfilled with dense-graded crushed rock. The backfill shall be compacted to achieve at least ninety-five percent (95%) of the standard Proctor maximum dry density. Density tests shall be conducted at a frequency of one (1) test per fifty (50) feet for utilities running along the longitudinal axis of the road, or two (2) tests for utilities crossing the road.
- (5) Flowable fill: Flowable fill may be used as backfill for utility trenches. The material shall be designed to achieve a compressive strength of one hundred fifty (150) to five hundred (500) psi. The material shall meet the requirements of ACI 229R-99, Standard Specifications for Controlled Low Strength Cementitious Materials. Flowable fill may be used instead of the secondary fill and the final backfill. The material supplier shall submit a mix design verified by an independent testing laboratory within the past six (6) months.

(Ord. No. 11451, § 1, 9-2-03; Ord. No. 11882, § 1, 9-5-06)

Sec. 32-276. - Subgrade.

- (a) All contractors must contact the Geotechnical Engineer prior to beginning subgrade work. This is imperative or the work may not be accepted.
- (b) The Subgrade shall be prepared to the lines and grades as designed and staked by the Subdivision Engineer and to correspond to the cross section as indicated on the typical cross section approved by the Transportation Department.
- (c) After the subgrade has been graded and shaped, it shall be scarified to a depth of eight (8) inches, then re-compacted to achieve a density of at least ninety-eight percent (98%) of the standard Proctor (ASTM D698) maximum dry density. The moisture content shall be within three percent (3%) of the optimum moisture content. The Geotechnical Engineer will conduct field density tests at a spacing of not more than one hundred (100) feet, staggered right and left of the centerline, with a minimum of three (3) tests. Any areas that do not meet compaction requirements shall be re-compacted and retested.
- (d) If an existing subgrade passes both the proof rolling and density tests, then scarifying and re-compacting will not be required. Proof rolling shall be performed using a fully-loaded, dual-tandem dump truck. The subgrade shall be trafficked by parallel passes of the truck starting at one (1) side of the roadway. Each pass shall overlap the preceding pass to ensure complete coverage. Two (2) complete proof rolling coverages are required.

(Ord. No. 11451, § 1, 9-2-03; Ord. No. 11882, § 1, 9-5-06; Ord. No. 12823, § 1, 3-25-14)

Sec. 32-277. - Fill and Embankments.

- (a) Any roadway embankment steeper than a three (3) to one (1) slope, shall be specially designed by a geotechnical engineer and then built to design specifications.
- (b) The embankment shall be protected from erosion using stormwater Best Management Practices.
- (c) Areas requiring two (2) feet or more of fill shall be observed and tested by the Geotechnical Engineer. Fill shall be placed in level lifts, thickness of loose lifts shall not exceed eight (8) inches, and compacted to at least ninety-five percent (95%) of the standard Proctor maximum dry density. The moisture content shall be within three percent (3%) of the optimum moisture content. The Geotechnical Engineer shall conduct field density tests for each one (1) foot layer of fill placed. Testing frequency shall be at least one (1) test per ten thousand (10,000) square feet, or one (1) test every two hundred (200) feet along the roadway centerline, staggered left and right of the centerline. A minimum of three (3) tests is required for each one (1) foot layer. Any areas that do not meet compaction requirements shall be re-compacted and retested.

(Ord. No. 11451, § 1, 9-2-03; Ord. No. 11882, § 1, 9-5-06)

Sec. 32-278. - Base.

- (a) All contractors must contact the Geotechnical Engineer prior to beginning the base operation. This is imperative or the work may not be accepted.
- (b) Before placing base material, the subgrade shall be proof-rolled in the presence of the Geotechnical Engineer. Proof-rolling shall be performed using a fully-loaded, dual-tandem dump truck. The subgrade shall be trafficked by parallel passes of the truck starting at one (1) side of the roadway. Each pass shall overlap the preceding pass to ensure complete coverage of the roadway cross-section. Two (2) complete proof-rolling coverages are required. Any areas that deflect or yield, in the opinion of the Geotechnical Engineer, shall be corrected before base material is placed.
- (c) Base material shall be a dense-graded mineral aggregate base meeting the requirements of the Tennessee Department of Transportation "Standard Specifications for Road and Bridge Construction" section 303, Type A Grade D. The contractor shall provide a letter of certification from the base material supplier that the materials meet these requirements. Other types of base material may be used, if included in a design by a professional engineer and approved by the Geotechnical Engineer and the Transportation Department. The base material shall be compacted to at least ninety-five percent (95%) of the standard Proctor maximum dry density.
- (d) The base will be tested for thickness and compaction by the Geotechnical Engineer. Tests will be conducted at a maximum spacing of two hundred (200) feet, staggered right and left of the centerline.
- (e) Tolerances for base thickness. The minimum base design thickness shall be six (6) inches. The average of all measurements shall be greater than or equal to the design thickness. Any test that is less than the design thickness, but no more than one-half (0.5) inches less than the design thickness, may be evaluated by the Geotechnical Engineer for acceptance or for corrective actions. Any test that is more than one-half (0.5) inches below the design thickness will require corrective actions.

(Ord. No. 11451, § 1, 9-2-03; Ord. No. 11882, § 1, 9-5-06; Ord. No. 12823, § 1, 3-25-14)

Sec. 32-279. - Prime.

- (a) After the base course has been thoroughly compacted and worked to the lines and grades as shown on the typical cross section, it shall be dampened if necessary.
- (b) TDOT approved Asphalt Emulsion primers may be used. Application shall be in accordance with manufacturers recommendations.

- (c) The type and grade of prime material shall depend on the condition of the base course and shall be approved by the Geotechnical Engineer and the City. The prime coat may be eliminated if approved by the Geotechnical Engineer and the City.

(Ord. No. 11451, § 1, 9-2-03; Ord. No. 11882, § 1, 9-5-06)

Sec. 32-280. - Binder.

- (a) Contractors must contact the Geotechnical Engineer prior to beginning the binder course installation. This is imperative or the work may not be accepted.
- (b) The binder asphalt shall be placed over the prime coat. The binder asphalt shall be compacted to an average density of at least ninety-two percent (92%) of the theoretical maximum density as determined by the Marshall method (fifty (50) blows), with no individual test less than ninety percent (90%). The theoretical maximum density shall be provided by the asphalt binder supplier. The Geotechnical Engineer will test the thickness and compaction by obtaining cores every five hundred (500) feet, or a minimum of three (3) cores. If any area does not meet the minimum thickness or compaction requirements, additional cores will be taken at one hundred (100) foot intervals until two consecutive cores meet the requirements. Areas that do not meet the requirements shall be removed and replaced. As an option, the Geotechnical Engineer can be present during construction to check the laydown thickness and temperature of the asphalt and to conduct nuclear density tests after compaction. In this case, coring will be reduced to three (3) cores or one (1) every two thousand (2,000) feet. In any case, a minimum of three (3) cores will be required.
- (c) The binder asphalt shall meet the requirements of TDOT standard specifications section 307. Either 307B, 307BM or 307BM-2 mixes may be used. The minimum binder design thickness shall be 2 inches. If 307B is used, the minimum binder design thickness must be increased to 2-1/2 inches.
- (d) Binder thickness tolerances. The average thickness of the binder shall be greater than or equal to the design thickness, with no individual test more than one-quarter ($\frac{1}{4}$) inch less than the design thickness. Areas deficient in thickness shall be evaluated by additional coring at one hundred (100) foot intervals to determine the area of deficient thickness. The deficiency may be corrected by increasing the thickness of the surface asphalt.

(Ord. No. 11451, § 1, 9-2-03; Ord. No. 11882, § 1, 9-5-06)

Sec. 32-281. - Backfill Curbs.

Backfill behind curbs shall be completed promptly after the curbs are installed. Until the backfill behind curbs is completed, measures should be taken to minimize infiltration of water to the pavement sub grade. Careful attention must be given to slope of backfill to prevent water penetration behind curbs. Curbs shall be installed in accordance with standard City specifications as established by the Transportation Department.

(Ord. No. 11451, § 1, 9-2-03; Ord. No. 11882, § 1, 9-5-06; Ord. No. 12823, § 1, 3-25-14)

Sec. 32-282. - Tack Coat.

A tack coat shall be applied over the binder before placing the surface asphalt. The tack coat shall be CRS-2 emulsified asphalt, applied at a rate of five-hundredths (0.05) gallons per square yard of residual bituminous material. Other tack materials may be used or the tack coat may be eliminated, if approved by the Geotechnical Engineer and the City.

(Ord. No. 11451, § 1, 9-2-03; Ord. No. 11882, § 1, 9-5-06)

Sec. 32-283. - Surface.

- (a) The surface asphalt shall be placed over the binder asphalt as soon as possible, but no more than ten (10) days after placing the binder, to avoid rainwater infiltration and to prevent damage from truck traffic. The time may be extended at the Transportation Department's discretion to deal with unusual circumstances, so long as the road continues to meet the structural requirements of this regulation. The surface asphalt shall be compacted to an average density of at least ninety-two percent (92%) of the theoretical maximum density as determined by the Marshall method (fifty (50) blows), with no individual test less than ninety percent (90%). The theoretical maximum density shall be provided by the asphalt surface supplier. The Geotechnical Engineer will test the thickness and compaction by obtaining cores every five hundred (500) feet, or a minimum of three (3) cores. Areas that do not meet the requirements shall be removed and replaced. As an option, the Geotechnical Engineer can be present during construction to check the laydown thickness and temperature of the asphalt and to conduct nuclear density tests after compaction. In this case, coring will be reduced to three (3) cores or one (1) every two thousand (2,000) feet. In any case, a minimum of three (3) cores will be required.
- (b) The surface asphalt shall meet the requirements of TDOT standard specifications section 411. The minimum design thickness of the surface asphalt shall be one (1) inch.

Asphalt thickness tolerances. The average thickness of the asphalt (binder plus surface) shall be greater than or equal to the design thickness, with no individual test more than one-eighth ($\frac{1}{8}$) inch less than the design thickness. Areas deficient in thickness shall be evaluated by additional coring at one hundred (100) foot intervals to determine the area of deficient thickness. Deficient areas shall be corrected.

(Ord. No. 11451, § 1, 9-2-03; Ord. No. 11882, § 1, 9-5-06; Ord. No. 12823, § 1, 3-25-14)

Sec. 32-284. - Seasonal Limitations of Asphalt.

The outside temperature away from artificial heat and in the shade shall be forty degrees (40°) and rising for plant mix.

(Ord. No. 11451, § 1, 9-2-03; Ord. No. 11882, § 1, 9-5-06)

Sec. 32-285. - "As Built" Drawings.

- (a) Upon completion of the construction of the required improvements, and prior to final acceptance by the Transportation Department, the developer will furnish "As Built" drawings of all sanitary sewer and stormwater structures. A registered professional engineer or surveyor will certify that the information furnished is a true and complete representation of the improvements that were constructed by the developer. The "As Built" drawings shall be furnished in electronic format, and shall be the true and accurate location and elevation of the structures shown, with a positional tolerance of seven-hundredths (0.07) feet horizontal and fourteen-hundredths (0.14) feet vertical. English units and NAD 83 State Plane co-ordinates shall be used. Structures shall be identified by the number shown on the drawing or provided by the engineer. The electronic file, in ASCII format, shall provide the following minimum information for sanitary sewer manholes and drainage structures, including drainage manholes:
- (1) Sanitary Sewer Manhole or Drainage Structure Number;
 - (2) Northing, Easting, and Rim Elevation;
 - (3) Invert Elevation; and
 - (4) Size, material, and direction for each pipe entering and leaving the sanitary sewer manhole or drainage structure.

- (b) All drainage structures and sanitary sewer manholes shall be located by the center of the structure or the manhole cover when fully seated.
- (c) The electronic file, in ASCII format, shall provide the following minimum information for stormwater detention basins when constructed as part of the development;
 - (1) Detention Basin Number;
 - (2) Northing, Easting, and Elevation of limits of detention basin;
 - (3) Northing, Easting, and Elevation of bottom of detention basin;
 - (4) Northing, Easting, and Elevation of corners of overflow structure; and
 - (5) Invert Elevation, size, material, and direction for each pipe entering and leaving the detention basin.

Prior to final acceptance by the Transportation Department and/or issuance of any Certificate of Occupancy, all new developments, redevelopments, and/or additions shall submit an inventory of the constructed stormwater drainage system, whether public or private, to the City of Chattanooga in electronic format. Electronic As-Built drawings shall be submitted in AutoCAD and .pdf format and shall show plainly the approved and constructed layout of the stormwater systems at the associated site. The as-built drawing shall include all stormwater features on the development, whether new or existing, including the outfall to the City drainage system (ex: catch basins, conduits, hydrologic features including ponds, streams, culvert inlets and outfalls, and all pervious surfaces, etc.).

Certain engineered water quality conveyances such as engineered swales and grass filter strips have a required slope and cross section to give maximum water quality benefits for the area and will therefore also require as-built cross sections to determine if they are built per designed specifications.

As-Built Drawings shall at a minimum comply with the following items:

- A registered professional engineer or surveyor will certify that the information furnished is a true and complete representation of the improvements that were constructed by the developer.
- The design engineer shall certify that the information reflects the original design or is an approved substitute for the original design by completing the As-Built Detention Facility Engineer's Certification Form (Attached).
- The As-Built drawings shall be furnished in electronic format (both an AutoCAD R13 or greater and a .pdf file shall be required) and shall be the true and accurate location and elevation of the structures shown, with a positional tolerance of seven-hundredths (0.07) feet horizontal and fourteen-hundredths (0.14) feet vertical.
- English units and NAD 83 State Plane co-ordinates shall be used. ASCII format may be used if the table is included in the drawing.
- All drainage structures and manholes shall be located by the center of the structure or the manhole cover when fully seated.
- Drainage features (including drainage manholes) shall at a minimum include the following:
 - (1) Drainage Structure Number;
 - (2) Drainage Structure Label (ex: oil skimmer, water quality unit type/model, etc.);
 - (3) Northing, Easting, and Rim Elevation;
 - (4) Invert Elevations;
 - (5) Size, Material, and Direction of flow for each pipe entering and leaving the drainage feature; and

- (6) Detail drawings of water quality features including but not limited to profiles, contours, and elevations (ex: bio-retention areas, swales, grass filter strips, etc.).

• Detention systems shall at a minimum include the following:

- (1) Detention System Number;
- (2) Northing, Easting, and Elevation of the limits, corners, and bottom of detention systems;
- (3) Invert Elevation, Size, Material, and Direction of flow for each pipe entering and leaving the detention system;
- (4) Detail drawing for all outlet control and emergency overflow structures;
- (5) Detail drawing for any other detention systems as necessary (ex: underground detention system); and
- (6) Required and provided detention storage volume.

(Ord. No. 11451, § 1, 9-2-03; Ord. No. 11882, § 1, 9-5-06; Ord. No. 12606, § 1, 5-29-12; Ord. No. 12823, § 1, 3-25-14)

Sec. 32-286. - Geotextiles.

Geotextiles may be incorporated into pavement designs if necessary for subgrade soil conditions. Geotextiles shall meet the requirements of AASHTO M288-96 (or more recent editions). Geotextiles shall meet MARV strength values for Class 2 if the subgrade CBR > three (3) and Class 1 for CBR ≤ three (3).

(Ord. No. 11451, § 1, 9-2-03; Ord. No. 11882, § 1, 9-5-06)

Sec. 32-287. - Optional Rigid Pavements.

The developer may choose to construct (concrete) rigid pavements instead of flexible (asphalt) pavements. Rigid pavement shall be designed and constructed to meet the following requirements:

- (a) Grading: The grading requirements shall be the same as Section 32-274, except the requirements for liquid limit and plastic index are not applicable. The soils shall have a minimum CBR of three (3).
- (b) Subgrade: The subgrade requirements shall be the same as Section 32-276.
- (c) Base: The base requirements shall be the same as Section 32-278. The base thickness shall be a minimum of four (4) inches.
- (d) Concrete Mix: The concrete mix shall be designed to provide a twenty-eight (28) day compressive strength of four thousand (4,000) pounds per square inch with a four (4) inch (± 1) slump and maximum water cement ration of forty-five-hundredths (0.45). An air entraining agent shall be added to achieve a five percent (5%) air content. The concrete mix shall have a nominal maximum aggregate size of one and one-half ($1\frac{1}{2}$) inches.
- (e) Concrete Design: The concrete thickness shall be six (6) inches. Reinforcing is not required. Control joints shall be spaced regularly in a square pattern as per the PCA recommendations. A longitudinal joint shall be constructed along the centerline. Lateral joints shall be spaced the same as the lane width. Joints shall be sealed using an approved joint sealer. The joint sealer shall be submitted to the Geotechnical Engineer for approval before installation.
- (f) Concrete Placement: Concrete placement shall be according to ACI 304 *Recommended Practice for Measuring, Mixing, Transporting, and Placing Concrete*. Concrete shall be placed directly on the base. The ambient temperature at the time of placement shall be at least forty degrees (40°) F, and the forecast temperature in the first twenty-four (24) hours after placement

shall be at least thirty-two degrees (32°). No standing water or frozen base shall be present at the time of placement. The concrete mix is expected to arrive at the site at the correct slump. If trucks arrive with a slump more than one (1) inch below the specified slump, then a maximum of twenty (20) gallons of water may be added, with the approval of the concrete supplier, to adjust the concrete slump. No water may be added after placement begins. If trucks arrive with a slump more than one (1) inch above the specified slump, the truckload shall be rejected. Concrete shall be placed within ninety (90) minutes of the batch time.

(g) Concrete Protection and Curing:

(1) Protect freshly placed concrete from premature drying and excessive cold or hot temperatures. Comply with ACI 306.1 for cold-weather protection and with ACI 305R for hot-weather protection.

(2) Curing shall be accomplished in strict compliance with ACI 308.

(h) Finish: The concrete finish shall provide a durable, smooth surface, free of irregularities, but skid-resistant (such as burlap drag or broom finish).

(i) Quality Assurance: An ACI certified representative of the geotechnical engineer shall be present to monitor concrete placement and conduct quality assurance testing. The representative shall keep a record of each truck load of concrete delivered to the site, including the information provided on the batch ticket and the amount of water added at the site. The first load of concrete shall be checked for slump, air content, and unit weight to determine acceptance. Compressive strength samples shall be taken randomly from the first thirty (30) cubic yards, and every fifty (50) cubic yards after that. Compressive strength samples shall include a set of six (6) cylinders. Two (2) cylinders shall be tested at seven (7) days and two (2) at twenty-eight (28) days and two (2) for reserve. The remaining cylinder shall be kept in reserve. Slump and air content tests shall be conducted for each set of compressive strength samples taken, or if visual indications of changes in the slump or other concrete properties are observed.

(Ord. No. 11451, § 1, 9-2-03; Ord. No. 11882, § 1, 9-5-06)

Sec. 32-288. - Plan Review and Preconstruction Conference.

- (a) Prior to any street or utility construction, five (5) sets of engineering plans for road and utility construction shall be submitted to the Development Office to be stamped with a sign-off block for each department reviewing these five (5) sets of proposed plans.
- (b) The design engineer shall make any revisions or changes required by the various reviewers to bring the proposed design into conformance with the City of Chattanooga design and construction standards and the City of Chattanooga Subdivision Regulations. The design engineer should then affix his seal and signature to the five (5) revised plans and return these revised plans to the Development Office for final review and approval.
- (c) N.P.D.E.S., A.R.A.P., T.V.A, Corps of Engineers, and other required permits and approvals, if necessary, should accompany these revised plans.
- (d) A preconstruction conference shall be held prior to beginning construction on a new subdivision involving street construction work, sanitary sewer, or stormwater facilities. The conference shall be attended by the developer, the contractors, a representative of the City, and the geotechnical engineer.

(Ord. No. 11451, § 1, 9-2-03; Ord. No. 11882, § 1, 9-5-06)

Secs. 32-289—32-299. - Reserved.

STATE OF Tennessee)
)
COUNTY OF Hamilton)

BEFORE ME, the undersigned authority, duly commissioned and qualified in and for the State and County aforesaid, personally came and appeared Kurt A. Stafford, being by me first duly sworn depose and said that:

He is appearing as a witness on behalf of Tennessee-American Water Company before the Tennessee Public Utility Commission, and if present before the Commission and duly sworn, his testimony would be as set forth in his pre-filed testimony in this matter.

Kurt Stafford
Kurt A. Stafford

Sworn to and subscribed before me
this 15 day of November, 2018.

Kathryn Hart
Notary Public

My Commission Expires: 9-27-2020



CLASSIFICATION OF SERVICE**SUMMARY OF RIDERS****1. Applicability**

In addition to the other charges provided for in this Tariff under Service Classifications Residential, Commercial, Industrial, Other Public Authority, Sales for Resale, and Private Fire, a Qualified Infrastructure Improvement Program ("QIIP") Rider, an Economic Development Investment Program Rider ("EDI"), a Safety and Environmental Compliance Program Rider (SEC"), and Production Costs and Other Pass-Throughs Rider ("PCOP") will apply to customers in all service areas.

2. The Percentage of Riders and Reconciliations

For the Riders defined in the tariffs:

QIIP	10.05 %	
EDI	0.41 %	
SEC	<u>5.97 %</u>	
Subtotal of all Capital Recovery Riders	16.43 %	
QIIP Annual Reconciliation Percentage	0.000 %	
EDI Annual Reconciliation Percentage	0.000 %	
<u>SEC Annual Reconciliation Percentage</u>	<u>0.000 %</u>	
Subtotal of all Reconciliation Percentages	0.000 %	
Total of Capital Recovery Riders and Reconciliation Percentages	16.430%	
PCOP	-1.25 %	(I)

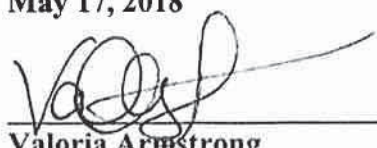
(D) Indicates Decrease

(I) Indicates Increase

ISSUED: May 17, 2018

EFFECTIVE: May 15, 2018

BY:


Valoria Armstrong
PRESIDENT

109 Wiehl Street
Chattanooga, Tennessee 37403

CLASSIFICATION OF SERVICE**SUMMARY OF RIDERS****1. Applicability**

In addition to the other charges provided for in this Tariff under Service Classifications Residential, Commercial, Industrial, Other Public Authority, Sales for Resale, and Private Fire, a Qualified Infrastructure Improvement Program ("QIIP") Rider, an Economic Development Investment Program Rider ("EDI"), a Safety and Environmental Compliance Program Rider (SEC"), and Production Costs and Other Pass-Throughs Rider ("PCOP") will apply to customers in all service areas.

2. The Percentage of Riders and Reconciliations

For the Riders defined in the tariffs:

QIIP	12.79 %	(I)
EDI	0.68 %	(I)
<u>SEC</u>	<u>7.50 %</u>	(I)
Subtotal of all Capital Recovery Riders	21.00 %	(I)
QIIP Annual Reconciliation Percentage	0.000 %	(D)
EDI Annual Reconciliation Percentage	0.000 %	(I)
<u>SEC Annual Reconciliation Percentage</u>	<u>0.000 %</u>	(I)
Subtotal of all Reconciliation Percentages	0.000 %	(D)
Total of Capital Recovery Riders and Reconciliation Percentages	21.00%	(I)
(N) Offset to Capital Recovery Riders for TCJA savings	-4.57 %	(N)
PCOP	-1.25 %	

(D) Indicates Decrease
(I) Indicates Increase
(N) Indicates New

ISSUED: November 16, 2018 EFFECTIVE: January 1, 2019

BY:

Valoria Armstrong
PRESIDENT

109 Wiehl Street
Chattanooga, Tennessee 37403

**BEFORE THE TENNESSEE PUBLIC UTILITY COMMISSION
NASHVILLE, TENNESSEE**

**PETITION OF TENNESSEE-)
AMERICAN WATER COMPANY)
REGARDING THE 2019)
INVESTMENT AND RELATED)
EXPENSES UNDER THE QUALIFIED)
INFRASTRUCTURE INVESTMENT)
PROGRAM RIDER, THE ECONOMIC)
DEVELOPMENT INVESTMENT)
RIDER AND THE SAFETY AND)
ENVIRONMENTAL COMPLIANCE)
RIDER)**

DOCKET NO. 18-

VERIFICATION

STATE OF Tennessee)

COUNTY OF Hamilton)

I, Valoria Armstrong, being first duly sworn, state that:

1. I am the President of the Tennessee American Water Company (the "Company").
2. I am authorized to represent and warrant, on behalf of the Company in the above-referenced docket, upon information and belief and after reasonable inquiry that:

(a) The Company's filings in this TPUC Docket are complete and accurate to the best of my knowledge and belief;

(b) The filing is compliant with TAWC's Capital Recovery Riders tariffs and all TPUC orders and directives related to TAWC's Capital Recovery Riders tariffs;

(c) Any changes in the Petition from previously approved Capital Recovery Riders' methodologies or calculations are identified in the Petition and supporting

documentation including the Direct Testimony of Company Witness Melissa Schwarzell;
and

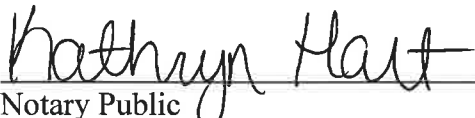
(d) The accounting data set forth in this filing is set forth in the Company's
General Ledger, or have been reconciled from the Company's General Ledger to the filing
in the workpapers provided with the filing, except as set forth below:

(i) No exceptions.



Valoria Armstrong

Sworn and subscribed before me
this 15 day of November, 2018.



Notary Public

My Commission Expires: 9-27-2020



TENNESSEE-AMERICAN WATER COMPANY
Secretary's Certificate

I, David Hinkson, being the Secretary of Tennessee-American Water Company ("Company"), do hereby certify that the following Resolutions were duly adopted by Unanimous Consent of the Board of Directors of said Company and that said Resolution has not been rescinded, amended or modified:

RESOLVED, that the current 2019 Capital Budget and Forecasted QIIP Investment Amount, Forecasted EDI Amount and Forecasted SEC Investment Amount, attached hereto as Exhibit A, is hereby approved for filing with the Tennessee Regulatory Authority.

IN WITNESS WHEREOF, I have hereunto set my hand as Secretary of Tennessee-American Water Company and have caused the corporate seal of said Company to be hereunto affixed, this 13st day of November, 2018.



David Hinkson
Secretary

TENNESSEE-AMERICAN WATER COMPANY
Unanimous Consent of Directors
(Without a Meeting)

The undersigned, being all of the Directors of Tennessee-American Water Company (the "Corporation"), do hereby consent to the following actions, effective as of the 9th day of November, 2018, in lieu of a meeting of the Board of Directors of the Corporation, and do hereby waive all notices necessary or required in connection therewith:

WHEREAS, pursuant to the requirements of the Tennessee Public Utility Commission's approved Alternative Regulatory Mechanism, the attached current 2019 Capital Budget is submitted for approval; and

WHEREAS, pursuant to the requirements of the Tennessee Public Utility Commission's approved Alternative Regulatory Mechanism, the 2019 Forecasted QIIP Investment Amount, Forecasted EDI Investment Amount and Forecasted SEC Investment Amount per the attachment are submitted for approval as reflected in the current 2019 Capital Budget; and

NOW THEREFORE BE IT,

RESOLVED, that the current 2019 Capital Budget and Forecasted QIIP Investment Amount, Forecasted EDI Amount and Forecasted SEC Investment Amount, attached hereto as Exhibit A, is hereby approved for filing with the Tennessee Regulatory Authority.

IN WITNESS WHEREOF, the undersigned, being all of the Directors of the Company have executed this unanimous consent effective as of the day and year first above written.

Valoria V. Armstrong

11.12.2018 9:42 AM

Nick Ro.

11.13.2018 9:26 AM

[Signature]

11.12.2018 11:08 AM

R. Kai Kabil

11.09.2018 3:39 PM

Gina Money

11.12.2018 4:43 PM

Tennessee American Water 2019 Capital Recovery Riders
Budgeted Investment Amount (\$k)

	<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	<u>September</u>	<u>October</u>	<u>November</u>	<u>December</u>	<u>Total</u>
Forecasted Gross Capital Expenditures	1,429	1,688	2,017	2,588	2,735	3,266	2,778	2,648	2,286	1,713	1,650	1,661	26,461
Qualified Infrastructure Investment Program Rider	814	859	947	1,455	1,473	1,568	1,570	1,380	838	676	600	545	12,725
Economic Development Investment Rider	41	41	116	116	119	114	114	114	111	111	111	36	1,144
Safety and Environmental Compliance Rider	269	429	482	537	537	611	531	560	425	387	352	296	5,417

STRATEGIC CAPITAL EXPENDITURE PLAN
PROGRAM

Business Unit	Tennessee
Revision Date	October 22, 2018
Description	TN BP 2019-2023 SCEP

						2019					
Business Unit	Rider	Business Unit No.	Project Title			1	2	3	4	5	6
Tennessee	None	DV	Projects Funded by Others			\$10,000	\$10,000	\$50,000	\$80,000	\$150,000	\$150,000
Tennessee	EDI	A	Mains - New			30,000	30,000	105,000	105,000	105,000	100,000
Tennessee	QIIP	B	Mains - Replaced / Restored			90,000	100,000	125,000	150,000	185,000	260,000
Tennessee	QIIP	C	Mains - Unscheduled			154,667	154,417	154,667	154,667	129,667	129,667
Tennessee	QIIP	D	Mains - Relocated			15,000	20,000	30,000	30,000	30,000	25,000
Tennessee	EDI	E	Hydrants, Valves, and Manholes - New			10,750	11,000	11,000	11,250	14,250	14,250
Tennessee	QIIP	F	Hydrants, Valves, and Manholes - Replaced			26,625	26,875	26,875	52,125	52,125	52,125
Tennessee	None	G	Services and Laterals - New			92,667	92,667	93,417	97,417	97,667	97,667
Tennessee	QIIP	H	Services and Laterals - Replaced			54,000	55,250	56,200	57,200	63,200	65,300
Tennessee	None	I	Meters - New			22,416	22,516	22,516	22,516	22,516	22,516
Tennessee	QIIP	J	Meters - Replaced			251,433	251,433	301,433	501,433	501,433	502,418
Tennessee	None	K	ITS Equipment and Systems			150,663	163,137	200,975	163,137	201,865	206,975
Tennessee	SEC	L	SCADA Equipment and Systems				21,000		26,000		27,500
Tennessee	SEC	M	Security Equipment and Systems			12,500	12,500	12,500	12,500	12,500	12,500
Tennessee	None	N	Offices and Operations Centers			1,000	1,000	1,250	1,250	1,500	1,500
Tennessee	None	O	Vehicles								285,000
Tennessee	None	P	Tools and Equipment			2,750	3,000	26,000	3,500	3,500	31,000
Tennessee	SEC	Q	Process Plant Facilities and Equipment			90,000	90,000	135,000	135,000	155,000	170,000
Tennessee	QIIP	R	Capitalized Tank Rehabilitation/Painting						250,000	250,000	250,000
Tennessee	None	S	Engineering Studies			2,500	2,500	5,000	5,000	5,000	5,000
Total Recurring Projects						1,006,971	1,057,295	1,306,833	1,777,995	1,830,223	2,258,418
ACQUISITIONS											
Tennessee											
Total Acquisitions											
CENTRALLY SPONSORED PROJECTS											
Total Centrally Sponsored Projects											
INVESTMENT PROJECTS											
Tennessee	SEC	I26-020027	Construct 1.0MG Tank & 2500-16" ER (\$1.5)	Total	In Service Date						
Tennessee	QIIP	I26-020034	Tennessee River Crossing (\$2.5)		9/1/2023						
Tennessee	QIIP	I26-020038	Retire Basin 1 (\$0.6)		12/31/2018						
Tennessee	QIIP	I26-020039	Repl Basin 2 & Plate Settlers		11/30/2019						
Tennessee	QIIP	I26-020039	Repl Basin 2 & Plate Settlers		10/31/2019	221,998	250,948	252,558	259,782	262,010	283,396
Tennessee	SEC	I26-020040	Chlorine Gas Conversion (\$4.5)		12/15/2019	166,963	305,341	334,505	363,856	369,799	400,700
Tennessee	QIIP	I26-020043	Energy Reduction and Efficiency (\$0.87)		7/31/2023						
Tennessee	SEC	I26-020044	New Raw Water Intake Citico (\$4)		10/1/2021						
Tennessee	QIIP	I26-020045	Remove Filter Bldg 3		10/31/2018						
Tennessee	None	I26-020046	New Field Services Facility (\$5)		12/31/2020	1,007	31,262	28,740	56,450	84,338	139,930
Tennessee	QIIP	I26-020048	Install 6,900 ft of 8-inch Main on Elder Mountain Rd		12/31/2022						
Tennessee	QIIP	I26-020049	Alvin York Hwy Main Replacement (\$1.5)		8/30/2023						
Tennessee	SEC	I26-050001	Raw Water Intake Improvements Whitwell (\$2)		7/1/2024						
Tennessee	SEC	I26-050002	Facility Upgrades at Whitwell WTP (\$0.3)		12/31/2017						
Tennessee	SEC	I26-050003	Replace 0.5 MG Storage Tanks at Whitwell (\$0.5)		9/15/2021						
Tennessee	SEC	I26-050004	Replace 0.1 MG Storage Tank at Whitwell (\$0.3)		12/31/2017						
Tennessee	None	I226-05000x	New Operations Center - Whitwell		7/31/2019	22,513	33,524	44,534	50,039	39,029	33,524
Tennessee	No	I26-000002	Post Acquisition BD Capex								
Total Investment Projects						\$412,481	\$621,074	\$660,336	\$730,126	\$755,175	\$857,549
Contributions						(20,000)	(20,000)	(20,000)	(20,000)	(20,000)	(20,000)
Advances						(58,333)	(58,333)	(58,333)	(58,333)	(58,333)	(58,333)
Total Refunds						29,167	29,167	29,167	29,167	29,167	29,167
Gross						\$1,429,452	\$1,688,369	\$2,017,169	\$2,588,121	\$2,735,398	\$3,265,967
*Dollar amounts from TAWC's Annual Capital Planning Process						(49,167)	(49,167)	(49,167)	(49,167)	(49,167)	(49,167)
Net						\$1,380,285	\$1,639,203	\$1,968,003	\$2,538,955	\$2,686,231	\$3,216,800
Gross minus Post Acq						\$1,429,452	\$1,688,369	\$2,017,169	\$2,588,121	\$2,735,398	\$3,265,967
Net minus Post Acq						(49,167)	(49,167)	(49,167)	(49,167)	(49,167)	(49,167)
						\$1,380,285	\$1,639,203	\$1,968,003	\$2,538,955	\$2,686,231	\$3,216,800

STRATEGIC CAPITAL EXPENDITURE PLAN
PROGRAM

Business Unit	Tennessee
Revision Date	October 22, 2018
Description	TN BP 2019-2023 SCEP

U.S. \$										
Business Unit	Rider	Business Unit No.	Project Title	7	8	9	10	11	12	Total 2019
Tennessee	None	DV	Projects Funded by Others	\$90,000	\$80,000	\$80,000	\$80,000	\$120,000	\$100,000	\$1,000,000
Tennessee	EDI	A	Mains - New	100,000	100,000	100,000	100,000	100,000	25,000	1,000,000
Tennessee	QIIP	B	Mains - Replaced / Restored	260,000	200,000	175,000	135,000	120,000	75,000	1,875,000
Tennessee	QIIP	C	Mains - Unscheduled	129,667	129,667	154,667	154,417	154,417	154,413	1,755,000
Tennessee	QIIP	D	Mains - Relocated	25,000	25,000	25,000	25,000	15,000	10,000	275,000
Tennessee	EDI	E	Hydrants, Valves, and Manholes - New	14,250	14,250	11,000	10,750	10,750	10,500	144,000
Tennessee	QIIP	F	Hydrants, Valves, and Manholes - Replaced	52,125	52,125	27,500	25,250	25,250	23,000	442,000
Tennessee	None	G	Services and Laterals - New	96,417	93,417	93,167	93,167	92,667	92,663	1,133,000
Tennessee	QIIP	H	Services and Laterals - Replaced	64,200	58,200	58,200	56,250	55,000	54,000	697,000
Tennessee	None	I	Meters - New	22,516	22,516	22,516	22,516	22,516	21,424	269,000
Tennessee	QIIP	J	Meters - Replaced	502,263	501,433	301,433	236,433	202,423	201,433	4,255,000
Tennessee	None	K	ITS Equipment and Systems	169,147	200,975	200,975	163,137	200,975	402,865	2,424,828
Tennessee	SEC	L	SCADA Equipment and Systems		27,500		20,000		20,000	142,000
Tennessee	SEC	M	Security Equipment and Systems	12,500	12,500	12,500	12,500	10,000		135,000
Tennessee	None	N	Offices and Operations Centers	2,000	1,500	1,000	1,000	1,000	1,000	15,000
Tennessee	None	O	Vehicles		45,000	285,000				615,000
Tennessee	None	P	Tools and Equipment	3,500	3,500	26,000	3,500	3,500	25,250	135,000
Tennessee	SEC	Q	Process Plant Facilities and Equipment	170,000	170,000	170,000	160,000	160,000	160,000	1,765,000
Tennessee	QIIP	R	Capitalized Tank Rehabilitation/Painting	250,000	125,000					1,125,000
Tennessee	None	S	Engineering Studies	5,000	5,000	5,000	5,000	2,500	2,500	50,000
Total Recurring Projects				1,878,585	1,787,583	1,668,958	1,223,920	1,175,998	1,279,048	18,251,828
ACQUISITIONS										
Tennessee			Total Acquisitions							
CENTRALLY SPONSORED PROJECTS										
Total Centrally Sponsored Projects										
INVESTMENT PROJECTS										
Tennessee	SEC	I26-020027	Construct 1.0MG Tank & 2500-16" ER (\$1.5)							
Tennessee	QIIP	I26-020034	Tennessee River Crossing (\$2.5)							
Tennessee	QIIP	I26-020038	Retire Basin 1 (\$0.6)							
Tennessee	QIIP	I26-020039	Repl Basin 2 & Plate Settlers	286,866	288,707	96,663	43,450	27,438	27,438	2,301,250
Tennessee	SEC	I26-020040	Chlorine Gas Conversion (\$4.5)	348,180	350,429	242,550	194,560	181,551	116,214	3,374,646
Tennessee	QIIP	I26-020043	Energy Reduction and Efficiency (\$0.87)							
Tennessee	SEC	I26-020044	New Raw Water Intake Citico (\$4)							
Tennessee	QIIP	I26-020045	Remove Filter Bldg 3							
Tennessee	None	I26-020046	New Field Services Facility (\$5)	140,828	141,731	197,692	171,435	145,009	137,847	1,276,268
Tennessee	QIIP	I26-020048	Install 6,900 ft of 8-inch Main on Elder Mountain Rd							
Tennessee	QIIP	I26-020049	Alvin York Hwy Main Replacement (\$1.5)							
Tennessee	SEC	I26-050001	Raw Water Intake Improvements Whitwell (\$2)							
Tennessee	SEC	I26-050002	Facility Upgrades at Whitwell WTP (\$0.3)							
Tennessee	SEC	I26-050003	Replace 0.5 MG Storage Tanks at Whitwell (\$.5)							
Tennessee	SEC	I26-050004	Replace 0.1 MG Storage Tank at Whitwell (\$0.3)							
Tennessee	None	I226-05000x	New Operations Center - Whitwell	33,524						256,686
Tennessee	No	I26-000002	Post Acquisition BD Capex						738,000	738,000
Total Investment Projects				\$809,397	\$780,866	\$536,904	\$409,445	\$353,997	\$1,019,499	\$7,946,850
Contributions				(20,000)	(20,000)	(20,000)	(20,000)	(20,000)	(20,000)	(240,000)
Advances				(58,333)	(58,333)	(58,333)	(58,333)	(58,333)	(58,333)	(700,000)
Total Refunds				29,167	29,167	29,167	29,167	29,167	29,167	350,000
Gross				\$2,777,982	\$2,648,450	\$2,285,862	\$1,713,365	\$1,649,995	\$2,398,546	\$27,198,678
Net				(49,167)	(49,167)	(49,167)	(49,167)	(49,167)	(49,167)	(590,000)
Gross minus Post Acq				\$2,728,815	\$2,599,283	\$2,236,696	\$1,664,198	\$1,600,829	\$2,349,380	\$26,608,678
Net minus Post Acq										
Gross				\$2,777,982	\$2,648,450	\$2,285,862	\$1,713,365	\$1,649,995	\$1,660,546	\$26,460,678
Net				(49,167)	(49,167)	(49,167)	(49,167)	(49,167)	(49,167)	(590,000)
Gross minus Post Acq				\$2,728,815	\$2,599,283	\$2,236,696	\$1,664,198	\$1,600,829	\$1,611,380	\$25,870,678

*Dollar amounts from TAWC's Annual Capital Planning Process

Tennessee American Water
2018 Capital Rider Surcharge Filing

Workbook Name: TAW_SCH1_2019.xlsx

Workbook Information: This workbook calculates the revenue requirement and the capital rider surcharges for the QIIP, SEC and EDI by calculating rate base and the return on rate base (including income taxes), depreciation expense, property taxes, franchise taxes and revenue taxes. The proposed surcharge percentages are calculated by dividing the revenue requirement by the authorized service charge and volumetric revenues.

Worksheet Name	Description / Purpose of Worksheet
1. EXH Summary	1. 2019 Summary of Revenue Requirement as compared to last year
2. EXH Avg Impact	2. 2019 Summary of Revenue Requirement as percentage impact to customer's bills
3. EXH SEC 1	3. 2019 SEC summary of revenue requirement calculation for projects eligible for the Safety and Environmental Compliance Rider
4. EXH SEC 2	4. 2019 SEC detail of revenue requirement calculation for #3
5. EXH EDI 1	5. 2019 EDI summary of revenue requirement calculation for projects eligible for the Economic Development Investment Rider
6. EXH EDI 2	6. 2019 EDI detail of revenue requirement calculation for #5
7. EXH QIIP 1	7. 2019 QIIP summary of revenue requirement calculation for projects eligible for the Qualified Investment Improvement Program Rider
8. EXH QIIP 2	8. 2019 QIIP detail of revenue requirement calculation for #7
9. EXH 2019 SCEP	9. 2019 Strategic Capital Expenditure Plan provided for this year's filing.
10. WKP 2019 In-Serviced SCEP	10. 2019 projected in-serviced costs, retirements, CIAC, cost of removal, depreciation, and tax depreciation for this year's filing based on #9.
11. WKP 2018 In-Serviced SCEP	11. 2018 projected in-serviced costs, retirements, CIAC, cost of removal, depreciation, and tax depreciation for this year's filing based on #12.
12. WKP 2018 SCEP	12. 2018 Strategic Capital Expenditure Plan provided in 2018 surcharge filing
13. WKP 2017 In-Serviced Actual	13. 2017 actual in-serviced costs, retirements, CIAC, cost of removal, depreciation, and tax depreciation from 2017 surcharge reconciliation filing. File TAW Final Version of Exhibits 18-00022_080218.
14. WKP 2017 SCEP	14. 2017 Strategic Capital Expenditure Plan provided in 2017 surcharge filing
15. WKP 2016 In-Serviced Actual	15. 2016 actual in-serviced costs, retirements, CIAC, cost of removal, depreciation, and tax depreciation from 2016 surcharge reconciliation filing. File TAW Final Version of Exhibits 17-00020_80417.
16. WKP 2016 SCEP	16. 2016 Strategic Capital Expenditure Plan provided in 2016 surcharge filing
17. WKP 2015 In-Serviced Actual	17. 2015 actual in-serviced costs, retirements, CIAC, cost of removal, depreciation, and tax depreciation from 2015 surcharge reconciliation filing. File TAW Final Version of Exhibits 16-00022 10_4_16.
18. WKP 2015 SCEP	18. 2015 Strategic Capital Expenditure Plan provided in 2015 surcharge filing
19. WKP 2014 In-Serviced Actual	19. 2014 actual in-serviced costs, retirements, CIAC, cost of removal, depreciation, and tax depreciation (#12) in the same format as the original projected surcharge filing.
20. WKP 2014 SCEP	20. 2014 Strategic Capital Expenditure Plan provided in 2014 surcharge filing

Tennessee American Water
2018 Capital Rider Surcharge Filing

Workbook Name: TAW_SCH1_2019.xlsx

Workbook Information: This workbook calculates the revenue requirement and the capital rider surcharges for the QIIP, SEC and EDI by calculating rate base and the return on rate base (including income taxes), depreciation expense, property taxes, franchise taxes and revenue taxes. The proposed surcharge percentages are calculated by dividing the revenue requirement by the authorized service charge and volumetric revenues.

Worksheet Name	Description / Purpose of Worksheet
21. WKP 2014 Actuals	21. 2014 actual in-serviced costs and retirements provided in 2014 surcharge reconciliation filing
22. 2014 Actuals Pivot Table	22. Pivot table for data contained in WKP 2014 Actuals worksheet.
23. WKP APP Reduction	23. Capitalized APP reduction based on prior amounts included in the 2016 reconciliation not allowed above the authorized APP amount from the last rate case.
24. WKP Retires	24. Projected retirements and cost of removal based on a three-year average for recurring replacement project types
25. WKP Data-Rates	25. Residential water rates showing meter charge, volumetric rates and flat rate charges.
26. WKP PTR&CF	26. Workpaper for calculating pre-tax rate of return and revenue conversion which is used to calculate the revenue requirement on the net rate base for each capital rider surcharges.
27. WKP CIAC	27. Actual CIAC for years 2012 - 2015 used to project CIAC in current capital rider filing.
28. WKP Data-Acct Master	28. TAWC master chart of account showing SAP and NARUC accounts
29. WKP Depr Rates	29. Current TRA approved depreciation rates used to calculate depreciation expense
30. Total Recon	30. Comparison of Exhibit schedules to WKP 2018 In-Serviced SCEP (#10)
31. WKP Additions Recon	31. Lays out actual and projected SCEP additions by year to the amounts in this year's filing
32. WKP Retirements Recon	32. Lays out actual and projected retirements by year to the amounts in this year's filing
33. WKP Removals Recon	33. Lays out actual and projected removals by year to the amounts in this year's filing
34. WKP 2018 In-Serviced SCEP proof	34. Same as #10 without array formulas
35. WKP 2017 In-Serviced SCEP proof	35. Same as #11 without array formulas
36. WKP SEC 2 Proof	36. 2018 SEC detail of revenue requirement calculation for #4 without array formulas
37. WKP EDI 2 Proof	37. 2018 EDI detail of revenue requirement calculation for #6 without array formulas
38. WKP QIIP 2 Proof	38. 2018 EDI detail of revenue requirement calculation for #8 without array formulas

There are four (4) other worksheets that are left blank intentionally and are used to identify and separate the Exhibits, Workpapers, Proof and Reconciliation worksheets.

**Tennessee American Water Company
Qualified Infrastructure Improvement Program (QIIP)
Economic Development Investment Rider (EDI)
Safety and Environmental Compliance Rider (SEC)
Summary Page**

Line Number	Rate Mechanism	a		b		c	d = b+c	e = a+c		
		Proposed Revenue Requirement*	Percentage Applied to Bill*	Revenue Requirement as Authorized - 2018 (1)	Percentage Applied to Bill as Authorized (1)	Impact of Proposed Adjustments on Revenue Requirement	Impact of Proposed Adjustments on Bill Percentage	2019 TCJA Credit at -4.57%	Total Impact of Proposed Adjustments and TCJA Credit on Bill	Total Percentage Applied to Bill After TCJA Credit
1										
2	QIIP	\$ 6,024,341	12.80%	\$ 4,730,639	10.05%	\$ 1,293,703	2.75%	-2.75%	0.00%	10.05%
3										
4	EDI	320,794	0.68%	194,545	0.41%	126,249	0.27%	-0.27%	0.00%	0.41%
5										
6	SEC	3,537,646	7.52%	2,809,385	5.97%	728,261	1.55%	-1.55%	0.00%	5.97%
7										
8	Total	\$ 9,882,782	21.00%	\$ 7,734,569	16.43%	\$ 2,148,212	4.57%	-4.57%	0.00%	16.43%
9										
10										

*Includes Def. Tax, Accum. Depreciation, Forfeited Discount Gross Up

(1) From prior docket #17-00124 order that approved the capital rider surcharges

**Tennessee American Water Company
Qualified Infrastructure Improvement Program (QIIP)
Economic Development Rider (EDR)
Safety and Environmental Compliance Rider (SEC)
Average Residential Bill Impact
5/8" Meter and Usage of 5.55 CCF (or 41.54 100 Gallons)**

[illegible]

**Tennessee American Water
Safety and Environmental Compliance (SEC)
Calculation of SEC Revenue Requirement**

Line Number	Description	SEC Company Totals
1	Additions Subject to SEC:	\$ 27,467,267
2	Plus: Cost of Removal less Salvage	2,974,425
3	Less: Contributions in Aid to Construction (CIAC)	-
4	Less: Deferred Income Taxes	594,534
5	Less: Accumulated Depreciation	2,095,219
6	Net Investment Supplied SEC Additions:	<u>\$ 27,751,939</u>
7		
8	Pre-Tax Rate of Return:	8.45145%
9	Pre-Tax Return on Additions:	<u>\$ 2,345,442</u>
10		
11	Depreciation Expense on SEC Additions:	736,617
12		
13	Operational Expenses Related to SEC	-
14		
15	Property and Franchise Taxes Associated with SEC:	<u>347,250</u>
16		
17	SEC Revenues:	<u>\$ 3,429,309</u>
18		
19	Revenue Taxes	3.191%
20	SEC Revenues with Revenue Taxes	<u>\$ 3,542,345</u>
21		
22	SEC APP Revenue Reduction	<u>(4,700)</u>
23		
24	SEC Revenues with Revenue Taxes & APP Reduction	<u>\$ 3,537,646</u>
25		
26	Service Charge and Volumetric Revenues as Per Docket No. 12-00049	<u>\$ 47,073,724</u>
27		
28	SEC Percentage to Apply to Bill:	<u>7.52%</u>
29		

[illegible]

**Tennessee American Water Company
Safety and Environmental Compliance (SEC)
Investment Worksheet**

[illegible]

Tennessee American Water Company
Safety and Environmental Compliance (SEC)
Investment Worksheet

			1	2	3	4	5	B	C
		SEC							=Col 1 + Col 2
Line #	Investment by Plant Account	Account Description	Additions	Retirements	CIAC	Net Investments (for Property Tax Calculation)	Cost of Removal Net of Salvage	Accumulated Deferred Income Taxes	Accumulated Depreciation
106	343000	Tools, Shop, Garage Equipment							
107	Recurring Projects		\$ 4,127	\$ (3,416)	\$ -	\$ 711	\$ -	\$ (90)	\$ (140)
108	Investment Projects		-	-	-	-	-	-	-
109	Total QIP		\$ 4,127	\$ (3,416)	\$ -	\$ 711	\$ -	\$ (90)	\$ (140)
110									
111	344000	Laboratory Equipment							
112	Recurring Projects		\$ 6,138	\$ (150,505)	\$ -	\$ (144,367)	\$ 1,535	\$ (2,421)	\$ 6,775
113	Investment Projects		-	-	-	-	-	-	-
114	Total QIP		\$ 6,138	\$ (150,505)	\$ -	\$ (144,367)	\$ 1,535	\$ (2,421)	\$ 6,775
115									
116	345000	Power Operated Equipment							
117	Recurring Projects		\$ 51,973	\$ (14,251)	\$ -	\$ 37,722	\$ 2,117	\$ 1,080	\$ (9,977)
118	Investment Projects		-	-	-	-	-	-	-
119	Total QIP		\$ 51,973	\$ (14,251)	\$ -	\$ 37,722	\$ 2,117	\$ 1,080	\$ (9,977)
120									
121	346100	Comm Equip Non-Telephone							
122	Recurring Projects		\$ 35,018	\$ -	\$ -	\$ 35,018	\$ -	\$ (8,601)	\$ (8,556)
123	Investment Projects		-	-	-	-	-	-	-
124	Total QIP		\$ 35,018	\$ -	\$ -	\$ 35,018	\$ -	\$ (8,601)	\$ (8,556)
125									
126	346190	Remote Control & Instrument							
127	Recurring Projects		\$ 953,473	\$ (109,284)	\$ -	\$ 844,189	\$ 63,645	\$ (190,507)	\$ (99,979)
128	Investment Projects		286,295	-	-	286,295	-	236	(19,007)
129	Total		\$ 1,239,768	\$ (109,284)	\$ -	\$ 1,130,484	\$ 63,645	\$ (190,271)	\$ (118,986)
130									
131	347000	Misc Equipment							
132	Recurring Projects		\$ 9,763	\$ (4,756)	\$ -	\$ 5,007	\$ 3,990	\$ 119	\$ (1,578)
133	Investment Projects		5,946	-	-	5,946	-	174	(2,478)
134	Total		\$ 15,709	\$ (4,756)	\$ -	\$ 10,953	\$ 3,990	\$ 293	\$ (4,057)
135									
136	Expense:								
137	Chemical Expense for WasteWater handling:		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
138	Electric Power Expense for Wasterwater handling:		-	-	-	-	-	-	-
139	Hauling Expense for Wasterwater handling:		-	-	-	-	-	-	-
140	Total		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
141									
142	Total		\$ 27,467,267	\$ (1,765,469)	\$ -	\$ 25,701,798	\$ 2,974,425	\$ (594,534)	\$ (2,095,219)

			6	7	8	9	10	11	12
SEC			=Cols 1 + 3 + 5 + B + C	=Col 6 x 8.451452%	=(Col 1+2+3)x Depreciation Rate	=(Col 4 x Prop Tax Rate) + (Col 4 x Franchise Rate)		=Cols 7 + 8 + 9 + 10	= Col 11 / (1 - 3.191%)
Line #	Investment by Plant Account	Account Description	Earnings Basis Net Investment (Rate Base)	Earnings Basis x Pre-Tax Return (PTR)	Depreciation Expense	Property Tax & Franchise Fees	Operational Expenses	Total Before Revenue Tax	Total With Revenue Tax
1	304100	Structures & Improvement-Supply							
2	Recurring Projects		\$ 850,701	\$ 71,897	\$ 17,633	\$ 12,032	\$ -	\$ 101,562	\$ 104,909
3	Investment Projects		-	-	-	-	-	-	-
4	Total QIP		\$ 850,701	\$ 71,897	\$ 17,633	\$ 12,032	\$ -	\$ 101,562	\$ 104,909
5									
6	304200	Structures & Improvement-Pump							
7	Recurring Projects		\$ 1,040,810	\$ 87,964	\$ 19,909	\$ 13,585	\$ -	\$ 121,457	\$ 125,461
8	Investment Projects		243,636	20,591	(290)	(198)	-	20,104	20,766
9	Total QIP		\$ 1,284,446	\$ 108,554	\$ 19,619	\$ 13,387	\$ -	\$ 141,561	\$ 146,227
10									
11	304300	Structures & Improvement-WT							
12	Recurring Projects		\$ 658,173	\$ 55,625	\$ 27,140	\$ 8,922	\$ -	\$ 91,686	\$ 94,708
13	Investment Projects		5,326,447	450,162	167,991	55,223	-	673,376	695,572
14	Total QIP		\$ 5,984,620	\$ 505,787	\$ 195,130	\$ 64,145	\$ -	\$ 765,062	\$ 790,280
15									
16	304400	Structures & Improvement-T&D							
17	Recurring Projects		\$ 103,482	\$ 8,746	\$ 2,328	\$ 1,477	\$ -	\$ 12,550	\$ 12,964
18	Investment Projects		-	-	-	-	-	-	-
19	Total QIP		\$ 103,482	\$ 8,746	\$ 2,328	\$ 1,477	\$ -	\$ 12,550	\$ 12,964
20									
21	304500	Structures & Improvement - General							
22	Recurring Projects		\$ 79,609	\$ 6,728	\$ 937	\$ 1,120	\$ -	\$ 8,785	\$ 9,075
23	Investment Projects		755,963	63,890	12,005	14,354	-	90,249	93,224
24	Total QIP		\$ 835,572	\$ 70,618	\$ 12,942	\$ 15,474	\$ -	\$ 99,034	\$ 102,299
25									
26	304600	Struc & Imp-Offices							
27	Recurring Projects		\$ 9,417	\$ 796	\$ 106	\$ 127	\$ -	\$ 1,030	\$ 1,063
28	Investment Projects		-	-	-	-	-	-	-
29	Total QIP		\$ 9,417	\$ 796	\$ 106	\$ 127	\$ -	\$ 1,030	\$ 1,063
30									
31	304700	Struct & Imp-Store,Shop,Garage							
32	Recurring Projects		\$ 155	\$ 13	\$ (57)	\$ (106)	\$ -	\$ (151)	\$ (156)
33	Investment Projects		-	-	-	-	-	-	-
34	Total QIP		\$ 155	\$ 13	\$ (57)	\$ (106)	\$ -	\$ (151)	\$ (156)
35									
36	306000	Lake, River & Other Intakes							
37	Recurring Projects		\$ 29,229	\$ 2,470	\$ 252	\$ 410	\$ -	\$ 3,133	\$ 3,236
38	Investment Projects		-	-	-	-	-	-	-
39	Total QIP		\$ 29,229	\$ 2,470	\$ 252	\$ 410	\$ -	\$ 3,133	\$ 3,236
40									
41	309000	Supply Mains							
42	Recurring Projects		\$ 8,656	\$ 732	\$ 184	\$ 133	\$ -	\$ 1,049	\$ 1,084
43	Investment Projects		-	-	-	-	-	-	-
44	Total QIP		\$ 8,656	\$ 732	\$ 184	\$ 133	\$ -	\$ 1,049	\$ 1,084
45									

**Tennessee American Water Company
Safety and Environmental Compliance (SEC)
Investment Worksheet**

		6	7	8	9	10	11	12	
SEC		=Cols 1 + 3 + 5 + B + C	=Col 6 x 8.451452%	=(Col 1+2+3)x Depreciation Rate	=(Col 4 x Prop Tax Rate) + (Col 4 x Franchise Rate)		=Cols 7 + 8 + 9 + 10	= Col 11 / (1 - 3.191%)	
Line #	Investment by Plant Account	Account Description	Earnings Basis Net Investment (Rate Base)	Earnings Basis x Pre-Tax Return (PTR)	Depreciation Expense	Property Tax & Franchise Fees	Operational Expenses	Total Before Revenue Tax	Total With Revenue Tax
46	310000	Power Generation Equip							
47	Recurring Projects		\$ 26,563	\$ 2,245	\$ 5,324	\$ 583	\$ -	\$ 8,152	\$ 8,421
48	Investment Projects		-	-	-	-	-	-	-
49	Total QIP		\$ 26,563	\$ 2,245	\$ 5,324	\$ 583	\$ -	\$ 8,152	\$ 8,421
50									
51	311200	Pump Eqp Electric							
52	Recurring Projects		\$ 103,893	\$ 8,780	\$ (2,773)	\$ (1,529)	\$ -	\$ 4,479	\$ 4,626
53	Investment Projects		-	-	-	-	-	-	-
54	Total QIP		\$ 103,893	\$ 8,780	\$ (2,773)	\$ (1,529)	\$ -	\$ 4,479	\$ 4,626
55									
56	311520	Pumping Equipment SOS							
57	Recurring Projects		\$ 2,059,493	\$ 174,057	\$ 37,891	\$ 27,974	\$ -	\$ 239,922	\$ 247,831
58	Investment Projects		-	-	-	-	-	-	-
59	Total QIP		\$ 2,059,493	\$ 174,057	\$ 37,891	\$ 27,974	\$ -	\$ 239,922	\$ 247,831
60									
61	320100	WT Equip Non-Media							
62	Recurring Projects		\$ 3,666,513	\$ 309,874	\$ 31,265	\$ 38,753	\$ -	\$ 379,891	\$ 392,413
63	Investment Projects		10,043,568	848,827	116,022	143,811	-	1,108,660	1,145,204
64	Total QIP		\$ 13,710,081	\$ 1,158,701	\$ 147,287	\$ 182,564	\$ -	\$ 1,488,551	\$ 1,537,617
65									
66	320200	Water Trmt Equip Filter Media							
67	Recurring Projects		\$ 1,147,408	\$ 96,973	\$ 238,198	\$ 9,552	\$ -	\$ 344,723	\$ 356,086
68	Investment Projects		-	-	-	-	-	-	-
69	Total QIP		\$ 1,147,408	\$ 96,973	\$ 238,198	\$ 9,552	\$ -	\$ 344,723	\$ 356,086
70									
76	330200	Ground Level Tanks							
77	Recurring Projects		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
78	Investment Projects		291,723	24,655	6,923	3,414	-	34,991	36,144
79	Total QIP		\$ 291,723	\$ 24,655	\$ 6,923	\$ 3,414	\$ -	\$ 34,991	\$ 36,144
80									
91	340200	Computer & Peripheral Equipment							
92	Recurring Projects		\$ 63,467	\$ 5,364	\$ 1,721	\$ 1,061	\$ -	\$ 8,146	\$ 8,414
93	Investment Projects		-	-	-	-	-	-	-
94	Total QIP		\$ 63,467	\$ 5,364	\$ 1,721	\$ 1,061	\$ -	\$ 8,146	\$ 8,414
95									
96	340300	Computer Software							
97	Recurring Projects		\$ 124,563	\$ 10,527	\$ 2,279	\$ 1,683	\$ -	\$ 14,490	\$ 14,967
98	Investment Projects		-	-	-	-	-	-	-
99	Total QIP		\$ 124,563	\$ 10,527	\$ 2,279	\$ 1,683	\$ -	\$ 14,490	\$ 14,967
100									
101	340330	Computer Software Other							
102	Recurring Projects		\$ 1,224	\$ 103	\$ 22	\$ 17	\$ -	\$ 142	\$ 147
103	Investment Projects		-	-	-	-	-	-	-
104	Total QIP		\$ 1,224	\$ 103	\$ 22	\$ 17	\$ -	\$ 142	\$ 147
105									

Tennessee American Water Company
Safety and Environmental Compliance (SEC)
Investment Worksheet

			6	7	8	9	10	11	12
		SEC	=Cols 1 + 3 + 5 + B + C	=Col 6 x 8.451452%	=(Col 1+2+3)x Depreciation Rate	=(Col 4 x Prop Tax Rate) + (Col 4 x Franchise Rate)		=Cols 7 + 8 + 9 + 10	= Col 11 / (1 - 3.191%)
Line #	Investment by Plant Account	Account Description	Earnings Basis Net Investment (Rate Base)	Earnings Basis x Pre-Tax Return (PTR)	Depreciation Expense	Property Tax & Franchise Fees	Operational Expenses	Total Before Revenue Tax	Total With Revenue Tax
106	343000	Tools, Shop, Garage Equipment							
107	Recurring Projects		\$ 3,897	\$ 329	\$ 49	\$ 10	\$ -	\$ 388	\$ 401
108	Investment Projects		-	-	-	-	-	-	-
109	Total QIP		\$ 3,897	\$ 329	\$ 49	\$ 10	\$ -	\$ 388	\$ 401
110									
111	344000	Laboratory Equipment							
112	Recurring Projects		\$ 12,027	\$ 1,016	\$ (1,458)	\$ (1,951)	\$ -	\$ (2,392)	\$ (2,471)
113	Investment Projects		-	-	-	-	-	-	-
114	Total QIP		\$ 12,027	\$ 1,016	\$ (1,458)	\$ (1,951)	\$ -	\$ (2,392)	\$ (2,471)
115									
116	345000	Power Operated Equipment							
117	Recurring Projects		\$ 45,193	\$ 3,819	\$ 2,652	\$ 510	\$ -	\$ 6,981	\$ 7,211
118	Investment Projects		-	-	-	-	-	-	-
119	Total QIP		\$ 45,193	\$ 3,819	\$ 2,652	\$ 510	\$ -	\$ 6,981	\$ 7,211
120									
121	346100	Comm Equip Non-Telephone							
122	Recurring Projects		\$ 17,860	\$ 1,509	\$ 1,474	\$ 473	\$ -	\$ 3,457	\$ 3,571
123	Investment Projects		-	-	-	-	-	-	-
124	Total QIP		\$ 17,860	\$ 1,509	\$ 1,474	\$ 473	\$ -	\$ 3,457	\$ 3,571
125									
126	346190	Remote Control & Instrument							
127	Recurring Projects		\$ 726,632	\$ 61,411	\$ 35,540	\$ 11,406	\$ -	\$ 108,357	\$ 111,929
128	Investment Projects		267,524	22,610	12,053	3,868	-	38,531	39,801
129	Total		\$ 994,156	\$ 84,021	\$ 47,593	\$ 15,274	\$ -	\$ 146,888	\$ 151,729
130									
131	347000	Misc Equipment							
132	Recurring Projects		\$ 12,294	\$ 1,039	\$ 317	\$ 68	\$ -	\$ 1,424	\$ 1,470
133	Investment Projects		3,641	308	376	80	-	764	790
134	Total		\$ 15,935	\$ 1,347	\$ 693	\$ 148	\$ -	\$ 2,188	\$ 2,260
135									
136	Expense:								
137	Chemical Expense for Wasterwater handling:		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
138	Electric Power Expense for Wasterwater handling:		-	-	-	-	-	-	-
139	Hauling Expense for Wasterwater handling:		-	-	-	-	-	-	-
140	Total		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
141									
142	Total		\$ 27,751,939	\$ 2,345,442	\$ 736,617	\$ 347,250	\$ -	\$ 3,429,309	\$ 3,542,345

**Tennessee American Water
Economic Development Investment (EDI)
Calculation of EDI Revenue Requirement**

Line Number	Description	EDI Company Totals
1	Additions Subject to EDI:	\$ 2,893,001
2	Plus: Cost of Removal less Salvage	1,904
3	Less: Contributions in Aid to Construction (CIAC)	22,345
4	Less: Deferred Income Taxes	44,119
5	Less: Accumulated Depreciation	72,280
6	Net Investment Supplied EDI Additions:	<u>\$ 2,756,162</u>
7		
8	Pre-Tax Rate of Return:	<u>8.45145%</u>
9	Pre-Tax Return on Additions:	<u>\$ 232,936</u>
10		
11	Depreciation Expense on EDI Additions:	38,723
12		
13	Operational Expenses Related to EDI	-
14		
15	Property and Franchise Taxes Associated with EDI:	<u>39,062</u>
16		
17	EDI Revenues:	<u>\$ 310,721</u>
18		
19	Revenue Taxes	<u>3.191%</u>
20	EDI Revenues with Revenue Taxes	<u>\$ 320,963</u>
21		
22	EDI APP Revenue Reduction	<u>(168)</u>
23		
24	Total EDI Revenues with Revenue Taxes & APP Reduction	<u><u>\$ 320,794</u></u>
25		
26	Service Charge and Volumetric Revenues as Per Docket No. 12-00049	<u><u>\$ 47,073,724</u></u>
27		
28	EDI Percentage to Apply to Bill:	<u><u>0.68%</u></u>
29		

[illegible]

29

**Tennessee American Water
Qualified Infrastructure Improvement Program (QIIP)
Calculation of QIIP Revenue Requirement**

Line Number	Description	QIIP Company Totals
1	Additions Subject to QIIP:	\$ 49,542,272
2	Plus: Cost of Removal less Salvage	6,795,685
3	Less: Contributions in Aid to Construction (CIAC)	2,284,346
4	Less: Deferred Income Taxes	565,451
5	Less: Accumulated Depreciation	2,575,012
6	Net Investment Supplied QIIP Additions:	<u>\$ 50,913,147</u>
7		
8	Pre-Tax Rate of Return:	8.45145%
9	Pre-Tax Return on Additions:	<u>\$ 4,302,900</u>
10		
11	Depreciation Expense on QIIP Additions:	959,335
12		
13	Operational Expenses Related to QIIP	-
14		
15	Property and Franchise Taxes Associated with QIIP:	<u>574,282</u>
16		
17	QIIP Revenues:	<u>\$ 5,836,517</u>
18		
19	Revenue Taxes	3.191%
20	QIIP Revenues with Revenue Taxes	<u>\$ 6,028,900</u>
21		
22	QIIP APP Revenue Reduction	<u>(4,558)</u>
23		
24	Total QIIP Revenues with Revenue Taxes & APP Reduction	<u><u>\$ 6,024,341</u></u>
25		
26	Service Charge and Volumetric Revenues as Per Docket No. 12-00049	<u><u>\$ 47,073,724</u></u>
27		
28	QIIP Percentage to Apply to Bill:	<u><u>12.80%</u></u>
29		

[illegible]

Tennessee American Water Company
Qualified Infrastructure Improvement Program (QIIP)
Investment Worksheet

			1	2	3	4	5	B	C
		QIIP				=Col 1 + Col 2			
Line #	Investment by Plant Account	Account Description	Additions	Retirements	CIAC	Net Investments (for Property Tax Calculation)	Cost of Removal Net of Salvage	Accumulated Deferred Income Taxes	Accumulated Depreciation
41	331001	Transmission & Distribution Mains							
42	Recurring Projects		\$ 19,453,797	\$ (1,171,172)	\$ (2,133,047)	\$ 18,282,626	\$ 1,228,731	\$ (428,242)	\$ (501,342)
43	Investment Projects		2,414,209	-	-	2,414,209	-	(20,688)	(17,410)
44	Total QIP		<u>\$ 21,868,006</u>	<u>\$ (1,171,172)</u>	<u>\$ (2,133,047)</u>	<u>\$ 20,696,835</u>	<u>\$ 1,228,731</u>	<u>\$ (448,930)</u>	<u>\$ (518,752)</u>
45									
46	333000	Services							
47	Recurring Projects		\$ 3,638,217	\$ (122,451)	\$ (29,876.59)	\$ 3,515,766	\$ 908,872	\$ (81,262)	\$ (93,389)
48	Investment Projects		-	-	-	-	-	-	-
49	Total QIP		<u>\$ 3,638,217</u>	<u>\$ (122,451)</u>	<u>\$ (29,877)</u>	<u>\$ 3,515,766</u>	<u>\$ 908,872</u>	<u>\$ (81,262)</u>	<u>\$ (93,389)</u>
50									
51	334100	Meters							
52	Recurring Projects		\$ 1,288,164	\$ (3,421,270)	\$ -	\$ (2,133,106)	\$ 410,752	\$ (55,613)	\$ 125,183
53	Investment Projects		-	-	-	-	-	-	-
54	Total QIP		<u>\$ 1,288,164</u>	<u>\$ (3,421,270)</u>	<u>\$ -</u>	<u>\$ (2,133,106)</u>	<u>\$ 410,752</u>	<u>\$ (55,613)</u>	<u>\$ 125,183</u>
55									
56	334200	Meter Installations							
57	Recurring Projects		\$ 7,629,951	\$ (957,191)	\$ -	\$ 6,672,761	\$ 1,392,981	\$ (72,343)	\$ (358,513)
58	Investment Projects		-	-	-	-	-	-	-
59	Total QIP		<u>\$ 7,629,951</u>	<u>\$ (957,191)</u>	<u>\$ -</u>	<u>\$ 6,672,761</u>	<u>\$ 1,392,981</u>	<u>\$ (72,343)</u>	<u>\$ (358,513)</u>
60									
61	335000	Hydrants							
62	Recurring Projects		\$ 1,425,916	\$ (169,414)	\$ (121,423)	\$ 1,256,502	\$ 49,875	\$ (22,311)	\$ (63,700)
63	Investment Projects		-	-	-	-	-	-	-
64	Total QIP		<u>\$ 1,425,916</u>	<u>\$ (169,414)</u>	<u>\$ (121,423)</u>	<u>\$ 1,256,502</u>	<u>\$ 49,875</u>	<u>\$ (22,311)</u>	<u>\$ (63,700)</u>
65									
66	346190	Hydrants							
67	Recurring Projects		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
68	Investment Projects		207,335	-	-	207,335	-	171	(17,131)
69	Total QIP		<u>\$ 207,335</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 207,335</u>	<u>\$ -</u>	<u>\$ 171</u>	<u>\$ (17,131)</u>
70									
71	Expense:								
72			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
73			-	-	-	-	-	-	-
74			-	-	-	-	-	-	-
75	Total		<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>
76									
77	Total		<u>\$ 49,542,272</u>	<u>\$ (7,036,604)</u>	<u>\$ (2,284,346)</u>	<u>\$ 42,505,668</u>	<u>\$ 6,795,685</u>	<u>\$ (565,451)</u>	<u>\$ (2,575,012)</u>

			6	7	8	9	10	11	12
QIIP			=Cols 1 + 3 + 5 + B + C	=Col 6 x 8.451452%	=(Col 1+2+3)x Depreciation Rate	=(Col 4 x Prop Tax Rate) + (Col 4 x Franchise Rate)		=Cols 7 + 8 + 9 + 10	= Col 11 / (1 - 3.191%)
Line #	Investment by Plant Account	Account Description	Earnings Basis Net Investment (Rate Base)	Earnings Basis x Pre-Tax Return (PTR)	Depreciation Expense	Property Tax & Franchise Fees	Operational Expenses	Total Before Revenue Tax	Total With Revenue Tax
1	304300	Struct & Imp-Treatment							
2	Recurring Projects		\$ 11,261	\$ 952	\$ (3,900)	\$ (1,282)	\$ -	\$ (4,231)	\$ (4,370)
3	Investment Projects		6,962,533	588,435	249,995	82,180	-	920,611	950,956
4	Total QIP		<u>\$ 6,973,794</u>	<u>\$ 589,387</u>	<u>\$ 246,095</u>	<u>\$ 80,898</u>	<u>\$ -</u>	<u>\$ 916,380</u>	<u>\$ 946,586</u>
5									
6	304301	Struct & Imp-Treatment-Dpr Paint							
7	Recurring Projects		\$ 1,580,948	\$ 133,613	\$ 130,312	\$ 14,599	\$ -	\$ 278,524	\$ 287,705
8	Investment Projects		-	-	-	-	-	-	-
9	Total QIP		<u>\$ 1,580,948</u>	<u>\$ 133,613</u>	<u>\$ 130,312</u>	<u>\$ 14,599</u>	<u>\$ -</u>	<u>\$ 278,524</u>	<u>\$ 287,705</u>
10									
11	320100	WT Equip Non-Media							
12	Recurring Projects		\$ 250,425	\$ 21,165	\$ 1,484	\$ 1,839	\$ -	\$ 24,488	\$ 25,295
13	Investment Projects		2,412,527	203,894	23,193	28,748	-	255,835	264,268
14	Total QIP		<u>\$ 2,662,952</u>	<u>\$ 225,058</u>	<u>\$ 24,677</u>	<u>\$ 30,588</u>	<u>\$ -</u>	<u>\$ 280,323</u>	<u>\$ 289,563</u>
15									
16	320200	Water Trmt Equip Filter Media							
17	Recurring Projects		\$ 244,839	\$ 20,692	\$ 5,512	\$ 221	\$ -	\$ 26,426	\$ 27,297
18	Investment Projects		-	-	-	-	-	-	-
19	Total QIP		<u>\$ 244,839</u>	<u>\$ 20,692</u>	<u>\$ 5,512</u>	<u>\$ 221</u>	<u>\$ -</u>	<u>\$ 26,426</u>	<u>\$ 27,297</u>
20									
21	330000	Dist Reservoirs & Standpipes							
22	Recurring Projects		\$ 6,470	\$ 547	\$ 484	\$ 314	\$ -	\$ 1,345	\$ 1,390
23	Investment Projects		-	-	-	-	-	-	-
24	Total QIP		<u>\$ 6,470</u>	<u>\$ 547</u>	<u>\$ 484</u>	<u>\$ 314</u>	<u>\$ -</u>	<u>\$ 1,345</u>	<u>\$ 1,390</u>
25									
26	330003	Tank Repainting							
27	Recurring Projects		\$ 2,142,645	\$ 181,085	\$ 191,188	\$ 23,313	\$ -	\$ 395,586	\$ 408,625
28	Investment Projects		-	-	-	-	-	-	-
29	Total QIP		<u>\$ 2,142,645</u>	<u>\$ 181,085</u>	<u>\$ 191,188</u>	<u>\$ 23,313</u>	<u>\$ -</u>	<u>\$ 395,586</u>	<u>\$ 408,625</u>
30									
31	330100	Elevated Tanks & Standpipes							
32	Recurring Projects		\$ 177,065	\$ 14,965	\$ 5,143	\$ 2,536	\$ -	\$ 22,643	\$ 23,390
33	Investment Projects		-	-	-	-	-	-	-
34	Total QIP		<u>\$ 177,065</u>	<u>\$ 14,965</u>	<u>\$ 5,143</u>	<u>\$ 2,536</u>	<u>\$ -</u>	<u>\$ 22,643</u>	<u>\$ 23,390</u>
35									
36	330200	Ground Level Tanks							
37	Recurring Projects		\$ 966,568	\$ 81,689	\$ 27,523	\$ 13,571	\$ -	\$ 122,784	\$ 126,831
38	Investment Projects		-	-	-	-	-	-	-
39	Total QIP		<u>\$ 966,568</u>	<u>\$ 81,689</u>	<u>\$ 27,523</u>	<u>\$ 13,571</u>	<u>\$ -</u>	<u>\$ 122,784</u>	<u>\$ 126,831</u>

**Tennessee American Water Company
Qualified Infrastructure Improvement Program (QIIP)
Investment Worksheet**

			6	7	8	9	10	11	12
			=Cols 1 + 3 + 5 + B + C	=Col 6 x 8.451452%	=(Col 1+2+3)x Depreciation Rate	=(Col 4 x Prop Tax Rate) + (Col 4 x Franchise Rate)		=Cols 7 + 8 + 9 + 10	= Col 11 / (1 - 3.191%)
Line #	Investment by Plant Account	Account Description	Earnings Basis Net Investment (Rate Base)	Earnings Basis x Pre-Tax Return (PTR)	Depreciation Expense	Property Tax & Franchise Fees	Operational Expenses	Total Before Revenue Tax	Total With Revenue Tax
41	331001	Transmission & Distribution Mains							
42	Recurring Projects		\$ 17,619,898	\$ 1,489,137	\$ 201,870	\$ 247,011	\$ -	\$ 1,938,018	\$ 2,001,899
43	Investment Projects		2,376,111	200,816	30,178	32,618	-	263,611	272,300
44	Total QIP		\$ 19,996,009	\$ 1,689,953	\$ 232,047	\$ 279,629	\$ -	\$ 2,201,630	\$ 2,274,199
45									
46	333000	Services							
47	Recurring Projects		\$ 4,342,563	\$ 367,010	\$ 38,693	\$ 47,501	\$ -	\$ 453,204	\$ 468,142
48	Investment Projects		-	-	-	-	-	-	-
49	Total QIP		\$ 4,342,563	\$ 367,010	\$ 38,693	\$ 47,501	\$ -	\$ 453,204	\$ 468,142
50									
51	334100	Meters							
52	Recurring Projects		\$ 1,768,486	\$ 149,463	\$ (159,343)	\$ (28,820)	\$ -	\$ (38,700)	\$ (39,976)
53	Investment Projects		-	-	-	-	-	-	-
54	Total QIP		\$ 1,768,486	\$ 149,463	\$ (159,343)	\$ (28,820)	\$ -	\$ (38,700)	\$ (39,976)
55									
56	334200	Meter Installations							
57	Recurring Projects		\$ 8,592,076	\$ 726,155	\$ 182,166	\$ 90,154	\$ -	\$ 998,475	\$ 1,031,387
58	Investment Projects		-	-	-	-	-	-	-
59	Total QIP		\$ 8,592,076	\$ 726,155	\$ 182,166	\$ 90,154	\$ -	\$ 998,475	\$ 1,031,387
60									
61	335000	Hydrants							
62	Recurring Projects		\$ 1,268,357	\$ 107,195	\$ 26,107	\$ 16,976	\$ -	\$ 150,278	\$ 155,231
63	Investment Projects		-	-	-	-	-	-	-
64	Total QIP		\$ 1,268,357	\$ 107,195	\$ 26,107	\$ 16,976	\$ -	\$ 150,278	\$ 155,231
65									
66	346190	Hydrants							
67	Recurring Projects		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
68	Investment Projects		190,375	16,089	8,729	2,801	-	27,620	28,530
69	Total QIP		\$ 190,375	\$ 16,089	\$ 8,729	\$ 2,801	\$ -	\$ 27,620	\$ 28,530
70									
71	Expense:								
72			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
73			-	-	-	-	-	-	-
74			-	-	-	-	-	-	-
75	Total		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
76									
77	Total		\$ 50,913,147	\$ 4,302,900	\$ 959,335	\$ 574,282	\$ -	\$ 5,836,517	\$ 6,028,900

STRATEGIC CAPITAL EXPENDITURE PLAN
PROGRAM

Business Unit	Tennessee
Revision Date	October 22, 2018
Description	TN BP 2019-2023 SCEP

					2019						
Business Unit	Rider	Business Unit No.	Project Title			1	2	3	4	5	6
Tennessee	None	DV	Projects Funded by Others			\$10,000	\$10,000	\$50,000	\$80,000	\$150,000	\$150,000
Tennessee	EDI	A	Mains - New			30,000	30,000	105,000	105,000	105,000	100,000
Tennessee	QIIP	B	Mains - Replaced / Restored			90,000	100,000	125,000	150,000	185,000	260,000
Tennessee	QIIP	C	Mains - Unscheduled			154,667	154,417	154,667	154,667	129,667	129,667
Tennessee	QIIP	D	Mains - Relocated			15,000	20,000	30,000	30,000	30,000	25,000
Tennessee	EDI	E	Hydrants, Valves, and Manholes - New			10,750	11,000	11,000	11,250	14,250	14,250
Tennessee	QIIP	F	Hydrants, Valves, and Manholes - Replaced			26,625	26,875	26,875	52,125	52,125	52,125
Tennessee	None	G	Services and Laterals - New			92,667	92,667	93,417	97,417	97,667	97,667
Tennessee	QIIP	H	Services and Laterals - Replaced			54,000	55,250	56,200	57,200	63,200	65,300
Tennessee	None	I	Meters - New			22,416	22,516	22,516	22,516	22,516	22,516
Tennessee	QIIP	J	Meters - Replaced			251,433	251,433	301,433	501,433	501,433	502,418
Tennessee	None	K	ITS Equipment and Systems			150,663	163,137	200,975	163,137	201,865	206,975
Tennessee	SEC	L	SCADA Equipment and Systems				21,000		26,000		27,500
Tennessee	SEC	M	Security Equipment and Systems			12,500	12,500	12,500	12,500	12,500	12,500
Tennessee	None	N	Offices and Operations Centers			1,000	1,000	1,250	1,250	1,500	1,500
Tennessee	None	O	Vehicles								285,000
Tennessee	None	P	Tools and Equipment			2,750	3,000	26,000	3,500	3,500	31,000
Tennessee	SEC	Q	Process Plant Facilities and Equipment			90,000	90,000	135,000	135,000	155,000	170,000
Tennessee	QIIP	R	Capitalized Tank Rehabilitation/Painting						250,000	250,000	250,000
Tennessee	None	S	Engineering Studies			2,500	2,500	5,000	5,000	5,000	5,000
Total Recurring Projects						1,006,971	1,057,295	1,306,833	1,777,995	1,830,223	2,258,418
ACQUISITIONS											
Tennessee											
Total Acquisitions											
CENTRALLY SPONSORED PROJECTS											
Total Centrally Sponsored Projects											
INVESTMENT PROJECTS											
				Total	In Service Date						
Tennessee	SEC	I26-020027	Construct 1.0MG Tank & 2500-16" ER (\$1.5)		9/1/2023						
Tennessee	QIIP	I26-020034	Tennessee River Crossing (\$2.5)		12/31/2018						
Tennessee	QIIP	I26-020038	Retire Basin 1 (\$0.6)		11/30/2019						
Tennessee	QIIP	I26-020039	Repl Basin 2 & Plate Settlers		10/31/2019	221,998	250,948	252,558	259,782	262,010	283,396
Tennessee	SEC	I26-020040	Chlorine Gas Conversion (\$4.5)		12/15/2019	166,963	305,341	334,505	363,856	369,799	400,700
Tennessee	QIIP	I26-020043	Energy Reduction and Efficiency (\$0.87)		7/31/2023						
Tennessee	SEC	I26-020044	New Raw Water Intake Citico (\$4)		10/1/2021						
Tennessee	QIIP	I26-020045	Remove Filter Bldg 3		10/31/2018						
Tennessee	None	I26-020046	New Field Services Facility (\$5)		12/31/2020	1,007	31,262	28,740	56,450	84,338	139,930
Tennessee	QIIP	I26-020048	Install 6,900 ft of 8-inch Main on Elder Mountain Rd		12/31/2022						
Tennessee	QIIP	I26-020049	Alvin York Hwy Main Replacement (\$1.5)		8/30/2023						
Tennessee	SEC	I26-050001	Raw Water Intake Improvements Whitwell (\$2)		7/1/2024						
Tennessee	SEC	I26-050002	Facility Upgrades at Whitwell WTP (\$0.3)		12/31/2017						
Tennessee	SEC	I26-050003	Replace 0.5 MG Storage Tanks at Whitwell (\$.5)		9/15/2021						
Tennessee	SEC	I26-050004	Replace 0.1 MG Storage Tank at Whitwell (\$0.3)		12/31/2017						
Tennessee	None	I226-05000x	New Operations Center - Whitwell		7/31/2019	22,513	33,524	44,534	50,039	39,029	33,524
Tennessee	No	I26-000002	Post Acquisition BD Capex								
Total Investment Projects						\$412,481	\$621,074	\$660,336	\$730,126	\$755,175	\$857,549
Contributions						(20,000)	(20,000)	(20,000)	(20,000)	(20,000)	(20,000)
Advances						(58,333)	(58,333)	(58,333)	(58,333)	(58,333)	(58,333)
Total Refunds						29,167	29,167	29,167	29,167	29,167	29,167
Gross						\$1,429,452	\$1,688,369	\$2,017,169	\$2,588,121	\$2,735,398	\$3,265,967
*Dollar amounts from TAWC's Annual Capital Planning Process						(49,167)	(49,167)	(49,167)	(49,167)	(49,167)	(49,167)
Net						\$1,380,285	\$1,639,203	\$1,968,003	\$2,538,955	\$2,686,231	\$3,216,800
Gross minus Post Acq						\$1,429,452	\$1,688,369	\$2,017,169	\$2,588,121	\$2,735,398	\$3,265,967
						(49,167)	(49,167)	(49,167)	(49,167)	(49,167)	(49,167)
Net minus Post Acq						\$1,380,285	\$1,639,203	\$1,968,003	\$2,538,955	\$2,686,231	\$3,216,800

STRATEGIC CAPITAL EXPENDITURE PLAN
PROGRAM

Business Unit	Tennessee
Revision Date	October 22, 2018
Description	TN BP 2019-2023 SCEP

U.S. \$										
Business Unit	Rider	Business Unit No.	Project Title	7	8	9	10	11	12	Total 2019
Tennessee	None	DV	Projects Funded by Others	\$90,000	\$80,000	\$80,000	\$80,000	\$120,000	\$100,000	\$1,000,000
Tennessee	EDI	A	Mains - New	100,000	100,000	100,000	100,000	100,000	25,000	1,000,000
Tennessee	QIIP	B	Mains - Replaced / Restored	260,000	200,000	175,000	135,000	120,000	75,000	1,875,000
Tennessee	QIIP	C	Mains - Unscheduled	129,667	129,667	154,667	154,417	154,417	154,413	1,755,000
Tennessee	QIIP	D	Mains - Relocated	25,000	25,000	25,000	25,000	15,000	10,000	275,000
Tennessee	EDI	E	Hydrants, Valves, and Manholes - New	14,250	14,250	11,000	10,750	10,750	10,500	144,000
Tennessee	QIIP	F	Hydrants, Valves, and Manholes - Replaced	52,125	52,125	27,500	25,250	25,250	23,000	442,000
Tennessee	None	G	Services and Laterals - New	96,417	93,417	93,167	93,167	92,667	92,663	1,133,000
Tennessee	QIIP	H	Services and Laterals - Replaced	64,200	58,200	58,200	56,250	55,000	54,000	697,000
Tennessee	None	I	Meters - New	22,516	22,516	22,516	22,516	22,516	21,424	269,000
Tennessee	QIIP	J	Meters - Replaced	502,263	501,433	301,433	236,433	202,423	201,433	4,255,000
Tennessee	None	K	ITS Equipment and Systems	169,147	200,975	200,975	163,137	200,975	402,865	2,424,828
Tennessee	SEC	L	SCADA Equipment and Systems		27,500		20,000		20,000	142,000
Tennessee	SEC	M	Security Equipment and Systems	12,500	12,500	12,500	12,500	10,000		135,000
Tennessee	None	N	Offices and Operations Centers	2,000	1,500	1,000	1,000	1,000	1,000	15,000
Tennessee	None	O	Vehicles		45,000	285,000				615,000
Tennessee	None	P	Tools and Equipment	3,500	3,500	26,000	3,500	3,500	25,250	135,000
Tennessee	SEC	Q	Process Plant Facilities and Equipment	170,000	170,000	170,000	160,000	160,000	160,000	1,765,000
Tennessee	QIIP	R	Capitalized Tank Rehabilitation/Painting	250,000	125,000					1,125,000
Tennessee	None	S	Engineering Studies	5,000	5,000	5,000	5,000	2,500	2,500	50,000
Total Recurring Projects				1,878,585	1,787,583	1,668,958	1,223,920	1,175,998	1,279,048	18,251,828
ACQUISITIONS										
Tennessee										
Total Acquisitions										
CENTRALLY SPONSORED PROJECTS										
Total Centrally Sponsored Projects										
INVESTMENT PROJECTS										
Tennessee	SEC	I26-020027	Construct 1.0MG Tank & 2500-16" ER (\$1.5)							
Tennessee	QIIP	I26-020034	Tennessee River Crossing (\$2.5)							
Tennessee	QIIP	I26-020038	Retire Basin 1 (\$0.6)							
Tennessee	QIIP	I26-020039	Repl Basin 2 & Plate Settlers	286,866	288,707	96,663	43,450	27,438	27,438	2,301,250
Tennessee	SEC	I26-020040	Chlorine Gas Conversion (\$4.5)	348,180	350,429	242,550	194,560	181,551	116,214	3,374,646
Tennessee	QIIP	I26-020043	Energy Reduction and Efficiency (\$0.87)							
Tennessee	SEC	I26-020044	New Raw Water Intake Citico (\$4)							
Tennessee	QIIP	I26-020045	Remove Filter Bldg 3							
Tennessee	None	I26-020046	New Field Services Facility (\$5)	140,828	141,731	197,692	171,435	145,009	137,847	1,276,268
Tennessee	QIIP	I26-020048	Install 6,900 ft of 8-inch Main on Elder Mountain Rd							
Tennessee	QIIP	I26-020049	Alvin York Hwy Main Replacement (\$1.5)							
Tennessee	SEC	I26-050001	Raw Water Intake Improvements Whitwell (\$2)							
Tennessee	SEC	I26-050002	Facility Upgrades at Whitwell WTP (\$0.3)							
Tennessee	SEC	I26-050003	Replace 0.5 MG Storage Tanks at Whitwell (\$.5)							
Tennessee	SEC	I26-050004	Replace 0.1 MG Storage Tank at Whitwell (\$0.3)							
Tennessee	None	I226-05000x	New Operations Center - Whitwell	33,524						256,686
Tennessee	No	I26-000002	Post Acquisition BD Capex						738,000	738,000
Total Investment Projects				\$809,397	\$780,866	\$536,904	\$409,445	\$353,997	\$1,019,499	\$7,946,850
Contributions				(20,000)	(20,000)	(20,000)	(20,000)	(20,000)	(20,000)	(240,000)
Advances				(58,333)	(58,333)	(58,333)	(58,333)	(58,333)	(58,333)	(700,000)
Total Refunds				29,167	29,167	29,167	29,167	29,167	29,167	350,000
Gross				\$2,777,982	\$2,648,450	\$2,285,862	\$1,713,365	\$1,649,995	\$2,398,546	\$27,198,678
Net				(49,167)	(49,167)	(49,167)	(49,167)	(49,167)	(49,167)	(590,000)
Gross minus Post Acq				\$2,728,815	\$2,599,283	\$2,236,696	\$1,664,198	\$1,600,829	\$2,349,380	\$26,608,678
Net minus Post Acq										
Gross				\$2,777,982	\$2,648,450	\$2,285,862	\$1,713,365	\$1,649,995	\$1,660,546	\$26,460,678
Net				(49,167)	(49,167)	(49,167)	(49,167)	(49,167)	(49,167)	(590,000)
Gross minus Post Acq				\$2,728,815	\$2,599,283	\$2,236,696	\$1,664,198	\$1,600,829	\$1,611,380	\$25,870,678
Net minus Post Acq										

*Dollar amounts from TAWC's Annual Capital Planning Process

Tennessee American Water Company
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STRATEGIC CAPITAL EXPENDITURE PLAN
PROGRAM

Business Unit Tennessee
Revision Date 10/22/18
Description TN BP 2019-2023 SCEP

Line #	Business Unit No.	Project Title	Account	Account Description	Portion to Account	In-Service (Months) (2)	Dep Rate	2018 SCEP Reforecast	Prior 2018 SCEP In-Serviced
1		RECURRING PROJECTS							
2	TN	DV		Projects Funded by Others					
3	TN	DV	331001	Transmission & Distribution Mains	0.0%	1	1.25%		\$ -
4	TN	DV	333000	Services	0.0%	1	1.11%		0
5			335000	Hydrants	0.0%	1	2.30%		0
6	TN	A	331001	Transmission & Distribution Mains	92.0%	1	1.25%		1,791,104
7	TN	A	333000	Services	0.8%	1	1.11%		14,755
8	TN	A	334300	Meter Vaults	1.8%	1	2.73%		35,969
9	TN	A	335000	Hydrants	5.4%	1	2.30%		105,836
10									
11	TN	B	331001	Transmission & Distribution Mains	88.3%	1	1.25%		6,526,486
12	TN	B	333000	Services	9.8%	1	1.11%		655,697
13	TN	B	335000	Hydrants	1.9%	1	2.30%		149,438
14									
15	TN	C	331001	Transmission & Distribution Mains	99.9%	1	1.25%		7,032,032
16	TN	C	335000	Hydrants	0.1%	1	2.30%		5,997
17									
18	TN	D	331001	Transmission & Distribution Mains	94.5%	1	1.25%		3,679,968
19	TN	D	333000	Services	1.3%	1	1.11%		49,665
20	TN	D	335000	Hydrants	4.2%	1	2.30%		161,020
21									
22	TN	E	331001	Transmission & Distribution Mains	83.7%	1	1.25%		299,985
23	TN	E	335000	Hydrants	16.3%	1	2.30%		92,227
24									
25	TN	F	331001	Transmission & Distribution Mains	29.4%	1	1.25%		315,568
26	TN	F	335000	Hydrants	70.6%	1	2.30%		923,952
27									
28	TN	G	333000	Services	100.0%	1	1.11%		993,000
29									
30	TN	H	333000	Services	98.8%	1	1.11%		2,495,359
31	TN	H	334100	Meters	1.2%	1	7.47%		24,420
32									
33	TN	I	334100	Meters	48.5%	1	7.47%		115,353
34	TN	I	334200	Meter Installations	51.5%	1	2.73%		122,347
35									
36	TN	J	334100	Meters	14.8%	1	7.47%		931,174
37	TN	J	334200	Meter Installations	85.2%	1	2.73%		5,736,832
38									
39	TN	K	340200	Computer & Peripheral Equipment	0.0%	1	2.19%		0
40									
41	TN	L	320100	WT Equip Non-Media	0.0%	1	1.09%		268,337
42	TN	L	340200	Computer & Peripheral Equipment	6.3%	1	2.19%		65,457
43	TN	L	346100	Comm Equip Non-Telephone	-2.7%	1	4.21%		36,824
44	TN	L	346190	Remote Control & Instrument	96.4%	1	4.21%		880,971
45									
46	TN	M	304100	Struct & Imp-Supply	5.2%		1.98%		28,033
47	TN	M	304200	Struct & Imp-Pumping	0.0%		1.98%		0
48	TN	M	304300	Structures & Improvement - Treatment	80.9%	1	4.11%		438,003

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STRATEGIC CAPITAL EXPENDITURE PLAN
PROGRAM

Business Unit Tennessee
Revision Date 10/22/18
Description TN BP 2019-2023 SCEP

Line #	Business Unit No.		Project Title	Account	Account Description	Portion to Account	In-Service (Months) (2)	Dep Rate	2018 SCEP Reforecast	Prior 2018 SCEP In-Serviced
49	TN	M		304400	Struct & Imp-Treatment-T&D	12.5%	1	2.13%		67,884
50	TN	M		304500	Structures & Improvement - General	0.0%	1	1.13%		6,193
51	TN	M		340200	Computer & Peripheral Equipment	1.4%		2.19%		7,798
52										
53	TN	N	Offices and Operations Centers	304500	Structures & Improvement - General	0.0%	1	1.13%		0
54										
55	TN	O	Vehicles	341100	Transportation Equip Lt Duty Trucks	0.0%	1	16.00%		0
56	TN	O		341200	Transportation Equip Hvy Duty Trucks	0.0%	1	16.62%		0
57	TN	O		341300	Transportation Equip Autos	0.0%	1	11.38%		0
58										
59	TN	P	Tools and Equipment	343000	Tools, Shop, Garage Equipment	0.0%	1	6.89%		0
60										
61	TN	Q	Process Plant Facilities and Equipment	304100	Struct & Imp-Supply	8.6%	1	1.98%		788,711
62	TN	Q		304200	Struct & Imp-Pumping	12.4%	1	1.98%		943,521
63	TN	Q		304300	Struct & Imp-Treatment	2.3%	1	4.11%		172,074
64	TN	Q		304400	Struct & Imp-Treatment-T&D	0.4%	1	2.13%		29,071
65	TN	Q		304500	Structures & Improvement - General	0.9%	1	1.13%		69,327
66	TN	Q		304600	Struc & Imp-Offices	0.1%	1	1.13%		8,510
67	TN	Q		304700	Struct & Imp-Store,Shop,Garage	0.0%	1	0.73%		0
68	TN	Q		306000	Lake, River & Other Intakes	0.4%	1	0.83%		27,449
69	TN	Q		309000	Supply Mains	0.0%	1	1.87%		9,862
70	TN	Q		310000	Power Generation Equip	0.2%	1	12.33%		41,433
71	TN	Q		311200	Pump Eqp Electric	0.6%	1	2.45%		46,837
72	TN	Q		311520	Pumping Equipment SOS	24.0%	1	1.83%		1,949,904
73	TN	Q		320100	WT Equip Non-Media	33.6%	1	1.09%		2,943,089
74	TN	Q		320200	Water Trmt Equip Filter Media	13.7%	1	33.69%		1,045,279
75	TN	Q		330000	Dist Reservoirs & Standpipes	0.4%	1	2.08%		26,807
76	TN	Q		331001	Transmission & Distribution Mains	0.0%	1	1.25%		0
77	TN	Q		334100	Meters	0.0%	1	7.47%		0
78	TN	Q		340200	Computer & Peripheral Equipment	0.0%	1	2.19%		0
79	TN	Q		340300	Computer Software	1.5%	1	1.83%		112,560
80	TN	Q		340330	Computer Software Other	0.0%	1	1.83%		1,106
81	TN	Q		343000	Tools, Shop, Garage Equipment	0.0%	1	6.89%		3,729
82	TN	Q		344000	Laboratory Equipment	0.1%	1	1.01%		5,546
83	TN	Q		345000	Power Operated Equipment	0.6%	1	7.03%		46,965
84	TN	Q		346190	Remote Control & Instrument	0.1%	1	4.21%		6,910
85	TN	Q		347000	Misc Equipment	0.1%	1	6.33%		8,823
86										
87	TN	R	Capitalized Tank Rehabilitation/Painting	304300	Struct & Imp-Treatment	0.0%	1	4.11%		0
88	TN	R		304301	Struct & Imp-Treatment-Dpr Paint	0.0%	1	12.06%		1,250,689
89	TN	R		320100	WT Equip Non-Media	0.0%	1	1.09%		259,932
90	TN	R		320200	Water Trmt Equip Filter Media	0.0%	1	33.69%		52,740
91	TN	R		330000	Dist Reservoirs & Standpipes	0.0%	1	2.08%		23,186
92	TN	R		330003	Tank Repainting	62.0%	1	11.08%		1,560,497
93	TN	R		330100	Elevated Tanks & Standpipes	6.0%	1	2.74%		150,354
94	TN	R		330200	Ground Level Tanks	32.0%	1	2.74%		804,988
95										
96	TN	S	Engineering Studies	331001	Transmission & Distribution Mains	0.0%	1	1.25%		0

Tennessee American Water Company
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STRATEGIC CAPITAL EXPENDITURE PLAN
PROGRAM

Business Unit Tennessee
Revision Date 10/22/18
Description TN BP 2019-2023 SCEP

Line #	Business Unit No.	Project Title	Account	Account Description	Portion to Account	In-Service (Months) (2)	Dep Rate	2018 SCEP Reforecast	Prior 2018 SCEP In-Serviced
97		Total Recurring Projects							
98									
99		ACQUISITIONS							
100									
101		Total Acquisitions							
102									
103		CENTRALLY SPONSORED PROJECTS							
104	TN T26-0202	Business Transformation 2010 - 2014	340315	Computer Software Special Deprec Rate		1	10.00%		0
105	TN T26-0203	Business Transformation 2010 - 2014	340315	Computer Software Special Deprec Rate		1	10.00%		0
106		Total Centrally Sponsored Projects							
107									
108		INVESTMENT PROJECTS							
109	TN I26-020017	Electrical Motor Efficiency Enhancement (\$2.9)							0
110	TN I26-020027	Construct 1.0MG Tank & 2500-16" ER (\$1.0)				9/1/2023			0
111	TN I26-020028	Citico Plant Improvements Phase 1B (\$8.6)	304300	Struct & Imp-Treatment		6/1/2016	4.11%		6,103,569
112	TN I26-020028		320100	WT Equip Non-Media		6/1/2016	1.09%		2,108,898
113	TN I26-020028		346190	Remote Control & Instrument		6/1/2016	4.21%		207,335
114	TN I26-020032	Wastewater Treatm't & Handling Impr (\$15.3)	304200	Struct & Imp-Pumping		11/1/2015	1.98%		0
115	TN I26-020032		304300	Struct & Imp-Treatment		11/1/2015	4.11%		4,141,710
116	TN I26-020032		304400	Struct & Imp-T&D		11/1/2015	2.13%		0
117	TN I26-020032		304500	Structures & Improvement - General		11/1/2015	1.13%		1,062,411
118	TN I26-020032		320100	WT Equip Non-Media		11/1/2015	1.09%		10,336,541
119	TN I26-020032		330200	Ground Level Tanks		11/1/2015	2.74%		0
120	TN I26-020032		347000	Misc Equipment		11/1/2015	6.33%		5,946
121	TN I26-020034	Tennessee River Crossing (\$2.5)	331001	Transmission & Distribution Mains		12/31/2018	1.25%		2,414,209
122	TN I26-020038	Retire Basin 1	304300	Struct & Imp-WT		11/30/2019	4.11%		0
123	TN I26-020039	Repl Basin 2 & Plate Settlers	320100	WT Equip Non-Media		10/31/2019	1.09%	215,000	0
124	TN I26-020040	Chlorine Gas Conversion	320100	WT Equip Non-Media		12/15/2019	1.09%	200,000	0
125	TN I26-020041	Electrical - Breakers and Relays (\$0.6)	311200	Pump Eqp Electric			2.45%		0
126	TN I26-020042	Pumping Auxiliary Power (\$1.4)							0
127	TN I26-020043	Energy Reduction and Efficiency (\$0.87)				7/31/2023			0
128	TN I26-020044	New Raw Water Intake Citico (\$13)				10/1/2021			0
129	TN I26-020045	Remove Filter Bldg 3	304300	Struct & Imp-Treatment		12/31/2018	4.11%		159,824
130	TN I26-020046	New Field Services Facility (\$4.5)				12/31/2020			0
131	TN I26-050001	Raw Water Intake Improvements Whitwell (\$2)				7/1/2024			0
132	TN I26-050002	Facility Upgrades at Whitwell WTP (\$0.3)	320100	WT Equip Non-Media		12/29/2017	1.09%		63,811
133	TN I26-050002		346190	Remote Control & Instrument		12/29/2017	4.21%		286,295
134	TN I26-050003	Replace 0.5 MG Storage Tanks at Whitwell (\$.5)				9/15/2021			0
135	TN I26-050004	Replace 0.1 MG Storage Tank at Whitwell (\$0.3)	330200	Ground Level Tanks		12/31/2017	2.74%		254,153
136	TN I26-020002	Post Acquisition BD Capex							0
137	TN I26-000001	Whitwell Acquisition Capital Investment	331001	Transmission & Distribution Mains		12/31/2014	1.25%		0
138	TN I26-000001		320200	Water Trmt Equip Filter Media		12/31/2014	33.69%		0
139	TN I26-000001		311520	Pumping Equipment SOS		12/31/2014	1.83%		0
140	TN I26-000001		340200	Computer & Peripheral Equipment		12/31/2014	2.19%		0
141									
142		(1) Amounts not reflected in actuals through 2017 or		Total DV Included:					\$ 73,592,283
143		projections based on project costs through 2019							

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STRATEGIC CAPITAL EXPENDITURE PLAN PROGRAM

Business Unit	Tennessee
Revision Date	10/22/18
Description	TN BP 2019-2023 SCEP

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Tennessee American Water Company
Qualified Infrastructure Improvement Program
Economic Development Rider
Safety and Environmental Compliance Rider

STRATEGIC CAPITAL EXPENDITURE PLAN
PROGRAM

Business Unit Tennessee
Revision Date 10/22/18
Description TN BP 2019-2023 SCEP

Line #	Business Unit No.	Project Title	Account	Account Description	Cumulative Balance of In-Serviced Plant, from 2019 Capex, by Period					
					1	2	3	4	5	6
1		RECURRING PROJECTS								
2	TN	DV		Projects Funded by Others						
3	TN	DV	331001	Transmission & Distribution Mains	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
4	TN	DV	333000	Services	0	0	0	0	0	0
5			335000	Hydrants	0	0	0	0	0	0
6	TN	A	331001	Mains - New	1,818,695	1,846,287	1,942,856	2,039,426	2,135,996	2,227,967
7	TN	A	333000	Services	14,982	15,210	16,005	16,801	17,596	18,354
8	TN	A	334300	Meter Vaults	36,523	37,077	39,016	40,956	42,895	44,742
9	TN	A	335000	Hydrants	107,467	109,097	114,803	120,509	126,215	131,649
10										
11	TN	B	331001	Mains - Replaced / Restored	6,605,986	6,694,319	6,804,736	6,937,235	7,100,652	7,330,318
12	TN	B	333000	Services	664,500	674,281	686,507	701,178	719,272	744,702
13	TN	B	335000	Hydrants	151,136	153,022	155,379	158,208	161,697	166,600
14										
15	TN	C	331001	Mains - Unscheduled	7,186,546	7,340,810	7,495,324	7,649,838	7,779,376	7,908,915
16	TN	C	335000	Hydrants	6,150	6,303	6,456	6,609	6,738	6,866
17										
18	TN	D	331001	Mains - Relocated	3,694,140	3,713,037	3,741,382	3,769,727	3,798,073	3,821,694
19	TN	D	333000	Services	49,859	50,117	50,505	50,893	51,280	51,603
20	TN	D	335000	Hydrants	161,652	162,495	163,759	165,023	166,287	167,341
21										
22	TN	E	331001	Hydrants, Valves, and Manholes - New	308,986	318,195	327,405	336,824	348,755	360,686
23	TN	E	335000	Hydrants	93,976	95,766	97,556	99,387	101,706	104,026
24										
25	TN	F	331001	Hydrants, Valves, and Manholes - Replaced	323,406	331,318	339,230	354,576	369,921	385,267
26	TN	F	335000	Hydrants	942,738	961,701	980,664	1,017,444	1,054,223	1,091,002
27										
28	TN	G	333000	Services and Laterals - New	1,085,667	1,178,334	1,271,751	1,369,168	1,466,835	1,564,502
29										
30	TN	H	333000	Services and Laterals - Replaced	2,548,724	2,603,324	2,658,864	2,715,391	2,777,848	2,842,381
31	TN	H	334100	Meters	25,055	25,705	26,365	27,038	27,781	28,549
32										
33	TN	I	334100	Meters - New	126,231	137,158	148,085	159,011	169,938	180,865
34	TN	I	334200	Meter Installations	133,885	145,474	157,063	168,653	180,242	191,831
35										
36	TN	J	334100	Meters - Replaced	968,349	1,005,524	1,050,091	1,124,229	1,198,367	1,272,651
37	TN	J	334200	Meter Installations	5,951,090	6,165,348	6,422,213	6,849,508	7,276,803	7,704,937
38										
39	TN	K	340200	ITS Equipment and Systems	0	0	0	0	0	0
40										
41	TN	L	320100	SCADA Equipment and Systems	268,337	268,337	268,337	268,337	268,337	268,337
42	TN	L	340200	Computer & Peripheral Equipment	65,457	66,784	66,784	68,426	68,426	70,163
43	TN	L	346100	Comm Equip Non-Telephone	36,824	36,261	36,261	35,563	35,563	34,825
44	TN	L	346190	Remote Control & Instrument	880,971	901,206	901,206	926,259	926,259	952,757
45										
46	TN	M	304100	Security Equipment and Systems	28,680	29,327	29,974	30,621	31,268	31,914
47	TN	M	304200	Struct & Imp-Pumping	0	0	0	0	0	0
48	TN	M	304300	Structures & Improvement - Treatment	448,110	458,216	468,323	478,430	488,537	498,644

Tennessee American Water Company
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STRATEGIC CAPITAL EXPENDITURE PLAN
PROGRAM

Business Unit Tennessee
Revision Date 10/22/18
Description TN BP 2019-2023 SCEP

Line #	Business Unit No.		Project Title	Account	Account Description	Cumulative Balance of In-Serviced Plant, from 2019 Capex, by Period					
						1	2	3	4	5	6
49	TN	M		304400	Struct & Imp-Treatment-T&D	69,450	71,017	72,583	74,149	75,716	77,282
50	TN	M		304500	Structures & Improvement - General	6,193	6,193	6,193	6,193	6,193	6,193
51	TN	M		340200	Computer & Peripheral Equipment	7,978	8,157	8,337	8,517	8,697	8,877
52											
53	TN	N	Offices and Operations Centers	304500	Structures & Improvement - General	0	0	0	0	0	0
54											
55	TN	O	Vehicles	341100	Transportation Equip Lt Duty Trucks	0	0	0	0	0	0
56	TN	O		341200	Transportation Equip Hvy Duty Trucks	0	0	0	0	0	0
57	TN	O		341300	Transportation Equip Autos	0	0	0	0	0	0
58											
59	TN	P	Tools and Equipment	343000	Tools, Shop, Garage Equipment	0	0	0	0	0	0
60											
61	TN	Q	Process Plant Facilities and Equipment	304100	Struct & Imp-Supply	796,456	804,202	815,819	827,437	840,776	855,406
62	TN	Q		304200	Struct & Imp-Pumping	954,653	965,785	982,483	999,181	1,018,352	1,039,379
63	TN	Q		304300	Struct & Imp-Treatment	174,104	176,134	179,179	182,225	185,721	189,556
64	TN	Q		304400	Struct & Imp-Treatment-T&D	29,414	29,757	30,271	30,786	31,376	32,024
65	TN	Q		304500	Structures & Improvement - General	70,145	70,963	72,190	73,417	74,826	76,371
66	TN	Q		304600	Struc & Imp-Offices	8,610	8,710	8,861	9,011	9,184	9,374
67	TN	Q		304700	Struct & Imp-Store,Shop,Garage	0	0	0	0	0	0
68	TN	Q		306000	Lake, River & Other Intakes	27,773	28,097	28,583	29,068	29,626	30,238
69	TN	Q		309000	Supply Mains	9,862	9,862	9,862	9,862	9,862	9,862
70	TN	Q		310000	Power Generation Equip	41,626	41,819	42,109	42,399	42,731	43,096
71	TN	Q		311200	Pump Eqp Electric	47,389	47,942	48,771	49,600	50,551	51,595
72	TN	Q		311520	Pumping Equipment SOS	1,971,543	1,993,182	2,025,639	2,058,097	2,095,364	2,136,237
73	TN	Q		320100	WT Equip Non-Media	2,973,373	3,003,658	3,049,084	3,094,511	3,146,667	3,203,871
74	TN	Q		320200	Water Trmt Equip Filter Media	1,057,612	1,069,944	1,088,443	1,106,941	1,128,180	1,151,475
75	TN	Q		330000	Dist Reservoirs & Standpipes	27,123	27,439	27,914	28,388	28,933	29,530
76	TN	Q		331001	Transmission & Distribution Mains	0	0	0	0	0	0
77	TN	Q		334100	Meters	0	0	0	0	0	0
78	TN	Q		340200	Computer & Peripheral Equipment	0	0	0	0	0	0
79	TN	Q		340300	Computer Software	113,888	115,216	117,208	119,200	121,487	123,995
80	TN	Q		340330	Computer Software Other	1,120	1,133	1,152	1,172	1,194	1,219
81	TN	Q		343000	Tools, Shop, Garage Equipment	3,773	3,817	3,883	3,949	4,025	4,108
82	TN	Q		344000	Laboratory Equipment	5,612	5,677	5,775	5,873	5,986	6,110
83	TN	Q		345000	Power Operated Equipment	47,519	48,073	48,904	49,735	50,690	51,736
84	TN	Q		346190	Remote Control & Instrument	6,991	7,073	7,195	7,317	7,458	7,612
85	TN	Q		347000	Misc Equipment	8,927	9,031	9,187	9,343	9,522	9,719
86											
87	TN	R	Capitalized Tank Rehabilitation/Painting	304300	Struct & Imp-Treatment	0	0	0	0	0	0
88	TN	R		304301	Struct & Imp-Treatment-Dpr Paint	1,250,689	1,250,689	1,250,689	1,250,689	1,250,689	1,250,689
89	TN	R		320100	WT Equip Non-Media	259,932	259,932	259,932	259,932	259,932	259,932
90	TN	R		320200	Water Trmt Equip Filter Media	52,740	52,740	52,740	52,740	52,740	52,740
91	TN	R		330000	Dist Reservoirs & Standpipes	23,186	23,186	23,186	23,221	23,256	23,292
92	TN	R		330003	Tank Repainting	1,560,497	1,560,497	1,560,497	1,715,542	1,870,588	2,025,633
93	TN	R		330100	Elevated Tanks & Standpipes	150,354	150,354	150,354	165,292	180,231	195,169
94	TN	R		330200	Ground Level Tanks	804,988	804,988	804,988	884,969	964,949	1,044,930
95											
96	TN	S	Engineering Studies	331001	Transmission & Distribution Mains	0	0	0	0	0	0

Tennessee American Water Company
Qualified Infrastructure Improvement Program
Economic Development Rider
Safety and Environmental Compliance Rider

STRATEGIC CAPITAL EXPENDITURE PLAN
PROGRAM

Business Unit Tennessee
Revision Date 10/22/18
Description TN BP 2019-2023 SCEP

Line #	Business Unit No.	Project Title	Account	Account Description	Cumulative Balance of In-Serviced Plant, from 2019 Capex, by Period					
					1	2	3	4	5	6
97		Total Recurring Projects								
98										
99		ACQUISITIONS								
100										
101		Total Acquisitions								
102										
103		CENTRALLY SPONSORED PROJECTS								
104	TN	T26-0202 Business Transformation 2010 - 2014	340315	Computer Software Special Deprec Rate	0	0	0	0	0	0
105	TN	T26-0203 Business Transformation 2010 - 2014	340315	Computer Software Special Deprec Rate	0	0	0	0	0	0
106		Total Centrally Sponsored Projects								
107										
108		INVESTMENT PROJECTS								
109	TN	I26-020017 Electrical Motor Efficiency Enhancement (\$2.9)			0	0	0	0	0	0
110	TN	I26-020027 Construct 1.0MG Tank & 2500-16" ER (\$1.0)			0	0	0	0	0	0
111	TN	I26-020028 Citico Plant Improvements Phase 1B (\$8.6)	304300	Struct & Imp-Treatment	6,103,569	6,103,569	6,103,569	6,103,569	6,103,569	6,103,569
112	TN	I26-020028 WT Equip Non-Media	320100	WT Equip Non-Media	2,108,898	2,108,898	2,108,898	2,108,898	2,108,898	2,108,898
113	TN	I26-020028 Remote Control & Instrument	346190	Remote Control & Instrument	207,335	207,335	207,335	207,335	207,335	207,335
114	TN	I26-020032 Wastewater Treatm't & Handling Impr (\$15.3)	304200	Struct & Imp-Pumping	0	0	0	0	0	0
115	TN	I26-020032 Struct & Imp-Treatment	304300	Struct & Imp-Treatment	4,141,710	4,141,710	4,141,710	4,141,710	4,141,710	4,141,710
116	TN	I26-020032 Struct & Imp-T&D	304400	Struct & Imp-T&D	0	0	0	0	0	0
117	TN	I26-020032 Structures & Improvement - General	304500	Structures & Improvement - General	1,062,411	1,062,411	1,062,411	1,062,411	1,062,411	1,062,411
118	TN	I26-020032 WT Equip Non-Media	320100	WT Equip Non-Media	10,336,541	10,336,541	10,336,541	10,336,541	10,336,541	10,336,541
119	TN	I26-020032 Ground Level Tanks	330200	Ground Level Tanks	0	0	0	0	0	0
120	TN	I26-020032 Misc Equipment	347000	Misc Equipment	5,946	5,946	5,946	5,946	5,946	5,946
121	TN	I26-020034 Tennessee River Crossing (\$2.5)	331001	Transmission & Distribution Mains	2,414,209	2,414,209	2,414,209	2,414,209	2,414,209	2,414,209
122	TN	I26-020038 Retire Basin 1	304300	Struct & Imp-WT	0	0	0	0	0	0
123	TN	I26-020039 Repl Basin 2 & Plate Settlers	320100	WT Equip Non-Media	0	0	0	0	0	0
124	TN	I26-020040 Chlorine Gas Conversion	320100	WT Equip Non-Media	0	0	0	0	0	0
125	TN	I26-020041 Electrical - Breakers and Relays (\$0.6)	311200	Pump Eqp Electric	0	0	0	0	0	0
126	TN	I26-020042 Pumping Auxiliary Power (\$1.4)			0	0	0	0	0	0
127	TN	I26-020043 Energy Reduction and Efficiency (\$0.87)			0	0	0	0	0	0
128	TN	I26-020044 New Raw Water Intake Citico (\$13)			0	0	0	0	0	0
129	TN	I26-020045 Remove Filter Bldg 3	304300	Struct & Imp-Treatment	159,824	159,824	159,824	159,824	159,824	159,824
130	TN	I26-020046 New Field Services Facility (\$4.5)			0	0	0	0	0	0
131	TN	I26-050001 Raw Water Intake Improvements Whitwell (\$2)			0	0	0	0	0	0
132	TN	I26-050002 Facility Upgrades at Whitwell WTP (\$0.3)	320100	WT Equip Non-Media	63,811	63,811	63,811	63,811	63,811	63,811
133	TN	I26-050002 Remote Control & Instrument	346190	Remote Control & Instrument	286,295	286,295	286,295	286,295	286,295	286,295
134	TN	I26-050003 Replace 0.5 MG Storage Tanks at Whitwell (\$.5)			0	0	0	0	0	0
135	TN	I26-050004 Replace 0.1 MG Storage Tank at Whitwell (\$0.3)	330200	Ground Level Tanks	254,153	254,153	254,153	254,153	254,153	254,153
136	TN	I26-020002 Post Acquisition BD Capex			0	0	0	0	0	0
137	TN	I26-000001 Whitwell Acquisition Capital Investment	331001	Transmission & Distribution Mains	0	0	0	0	0	0
138	TN	I26-000001 Water Trmt Equip Filter Media	320200	Water Trmt Equip Filter Media	0	0	0	0	0	0
139	TN	I26-000001 Pumping Equipment SOS	311520	Pumping Equipment SOS	0	0	0	0	0	0
140	TN	I26-000001 Computer & Peripheral Equipment	340200	Computer & Peripheral Equipment	0	0	0	0	0	0
141										
142		(1) Amounts not reflected in actuals through 2017 or		Total DV Included:						
143		projections based on project costs through 2019								

**Tennessee American Water Company
Qualified Infrastructure Improvement Program
Economic Development Rider
Safety and Environmental Compliance Rider**

STRATEGIC CAPITAL EXPENDITURE PLAN PROGRAM

Business Unit	Tennessee
Revision Date	10/22/18
Description	TN BP 2019-2023 SCEP

[illegible]

Tennessee American Water Company
Qualified Infrastructure Improvement Program
Economic Development Rider
Safety and Environmental Compliance Rider

**STRATEGIC CAPITAL EXPENDITURE PLAN
PROGRAM**

Business Unit Tennessee
Revision Date 10/22/18
Description TN BP 2019-2023 SCEP

						Cumulative Balance of In-Serviced Plant, from 2019 Capex, by Period					
Line #	Business Unit No.		Project Title	Account	Account Description	7	8	9	10	11	12
1			RECURRING PROJECTS								
2	TN	DV	Projects Funded by Others	331001	Transmission & Distribution Mains	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
3	TN	DV		333000	Services	0	0	0	0	0	0
4	TN	DV		335000	Hydrants	0	0	0	0	0	0
5											
6	TN	A	Mains - New	331001	Transmission & Distribution Mains	2,319,938	2,411,910	2,503,881	2,595,852	2,687,823	2,710,816
7	TN	A		333000	Services	19,111	19,869	20,627	21,384	22,142	22,331
8	TN	A		334300	Meter Vaults	46,588	48,435	50,282	52,129	53,976	54,438
9	TN	A		335000	Hydrants	137,084	142,518	147,952	153,386	158,821	160,179
10											
11	TN	B	Mains - Replaced / Restored	331001	Transmission & Distribution Mains	7,559,985	7,736,651	7,891,234	8,010,484	8,116,484	8,182,734
12	TN	B		333000	Services	770,133	789,694	806,811	820,015	831,752	839,087
13	TN	B		335000	Hydrants	171,504	175,276	178,576	181,122	183,385	184,800
14											
15	TN	C	Mains - Unscheduled	331001	Transmission & Distribution Mains	8,038,454	8,167,992	8,322,506	8,476,770	8,631,035	8,785,295
16	TN	C		335000	Hydrants	6,994	7,123	7,276	7,429	7,582	7,734
17											
18	TN	D	Mains - Relocated	331001	Transmission & Distribution Mains	3,845,315	3,868,936	3,892,557	3,916,178	3,930,350	3,939,799
19	TN	D		333000	Services	51,926	52,249	52,572	52,895	53,089	53,218
20	TN	D		335000	Hydrants	168,394	169,448	170,501	171,555	172,187	172,608
21											
22	TN	E	Hydrants, Valves, and Manholes - New	331001	Transmission & Distribution Mains	372,617	384,548	393,758	402,758	411,759	420,550
23	TN	E		335000	Hydrants	106,345	108,664	110,454	112,203	113,953	115,662
24											
25	TN	F	Hydrants, Valves, and Manholes - Replaced	331001	Transmission & Distribution Mains	400,613	415,958	424,054	431,488	438,922	445,693
26	TN	F		335000	Hydrants	1,127,782	1,164,561	1,183,965	1,201,781	1,219,598	1,235,826
27											
28	TN	G	Services and Laterals - New	333000	Services	1,660,919	1,754,336	1,847,503	1,940,670	2,033,337	2,126,000
29											
30	TN	H	Services and Laterals - Replaced	333000	Services	2,905,826	2,963,342	3,020,857	3,076,446	3,130,800	3,184,165
31	TN	H		334100	Meters	29,303	29,987	30,672	31,333	31,980	32,614
32											
33	TN	I	Meters - New	334100	Meters	191,792	202,718	213,645	224,572	235,499	245,895
34	TN	I		334200	Meter Installations	203,420	215,010	226,599	238,188	249,777	260,805
35											
36	TN	J	Meters - Replaced	334100	Meters	1,346,912	1,421,050	1,465,617	1,500,575	1,530,503	1,560,286
37	TN	J		334200	Meter Installations	8,132,939	8,560,234	8,817,100	9,018,575	9,191,070	9,362,720
38											
39	TN	K	ITS Equipment and Systems	340200	Computer & Peripheral Equipment	0	0	0	0	0	0
40											
41	TN	L	SCADA Equipment and Systems	320100	WT Equip Non-Media	268,337	268,337	268,337	268,337	268,337	268,337
42	TN	L		340200	Computer & Peripheral Equipment	70,163	71,901	71,901	73,164	73,164	74,427
43	TN	L		346100	Comm Equip Non-Telephone	34,825	34,086	34,086	33,550	33,550	33,013
44	TN	L		346190	Remote Control & Instrument	952,757	979,255	979,255	998,527	998,527	1,017,798
45											
46	TN	M	Security Equipment and Systems	304100	Struct & Imp-Supply	32,561	33,208	33,855	34,502	35,019	35,019
47	TN	M		304200	Struct & Imp-Pumping	0	0	0	0	0	0
48	TN	M		304300	Structures & Improvement - Treatment	508,750	518,857	528,964	539,071	547,156	547,156

Tennessee American Water Company
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Economic Development Rider
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STRATEGIC CAPITAL EXPENDITURE PLAN
PROGRAM

Business Unit Tennessee
Revision Date 10/22/18
Description TN BP 2019-2023 SCEP

					Cumulative Balance of In-Serviced Plant, from 2019 Capex, by Period						
Line #	Business Unit No.		Project Title	Account	Account Description	7	8	9	10	11	12
49	TN	M		304400	Struct & Imp-Treatment-T&D	78,849	80,415	81,981	83,548	84,801	84,801
50	TN	M		304500	Structures & Improvement - General	6,193	6,193	6,193	6,193	6,193	6,193
51	TN	M		340200	Computer & Peripheral Equipment	9,057	9,237	9,417	9,597	9,741	9,741
52											
53	TN	N	Offices and Operations Centers	304500	Structures & Improvement - General	0	0	0	0	0	0
54											
55	TN	O	Vehicles	341100	Transportation Equip Lt Duty Trucks	0	0	0	0	0	0
56	TN	O		341200	Transportation Equip Hvy Duty Trucks	0	0	0	0	0	0
57	TN	O		341300	Transportation Equip Autos	0	0	0	0	0	0
58											
59	TN	P	Tools and Equipment	343000	Tools, Shop, Garage Equipment	0	0	0	0	0	0
60											
61	TN	Q	Process Plant Facilities and Equipment	304100	Struct & Imp-Supply	870,036	884,666	899,296	913,065	926,834	940,604
62	TN	Q		304200	Struct & Imp-Pumping	1,060,406	1,081,433	1,102,459	1,122,249	1,142,039	1,161,829
63	TN	Q		304300	Struct & Imp-Treatment	193,390	197,225	201,060	204,669	208,278	211,887
64	TN	Q		304400	Struct & Imp-Treatment-T&D	32,672	33,320	33,968	34,577	35,187	35,797
65	TN	Q		304500	Structures & Improvement - General	77,916	79,461	81,006	82,460	83,914	85,368
66	TN	Q		304600	Struc & Imp-Offices	9,564	9,753	9,943	10,121	10,300	10,478
67	TN	Q		304700	Struct & Imp-Store,Shop,Garage	0	0	0	0	0	0
68	TN	Q		306000	Lake, River & Other Intakes	30,849	31,461	32,073	32,649	33,224	33,800
69	TN	Q		309000	Supply Mains	9,862	9,862	9,862	9,862	9,862	9,862
70	TN	Q		310000	Power Generation Equip	43,461	43,825	44,190	44,533	44,877	45,220
71	TN	Q		311200	Pump Eqp Electric	52,639	53,683	54,726	55,709	56,691	57,674
72	TN	Q		311520	Pumping Equipment SOS	2,177,110	2,217,983	2,258,856	2,297,324	2,335,793	2,374,262
73	TN	Q		320100	WT Equip Non-Media	3,261,075	3,318,279	3,375,483	3,429,322	3,483,161	3,537,000
74	TN	Q		320200	Water Trmt Equip Filter Media	1,174,769	1,198,064	1,221,358	1,243,283	1,265,207	1,287,131
75	TN	Q		330000	Dist Reservoirs & Standpipes	30,128	30,725	31,323	31,885	32,447	33,009
76	TN	Q		331001	Transmission & Distribution Mains	0	0	0	0	0	0
77	TN	Q		334100	Meters	0	0	0	0	0	0
78	TN	Q		340200	Computer & Peripheral Equipment	0	0	0	0	0	0
79	TN	Q		340300	Computer Software	126,504	129,012	131,521	133,881	136,242	138,603
80	TN	Q		340330	Computer Software Other	1,244	1,268	1,293	1,316	1,339	1,362
81	TN	Q		343000	Tools, Shop, Garage Equipment	4,191	4,274	4,357	4,436	4,514	4,592
82	TN	Q		344000	Laboratory Equipment	6,233	6,357	6,480	6,597	6,713	6,829
83	TN	Q		345000	Power Operated Equipment	52,783	53,830	54,876	55,861	56,846	57,831
84	TN	Q		346190	Remote Control & Instrument	7,766	7,920	8,074	8,219	8,364	8,509
85	TN	Q		347000	Misc Equipment	9,915	10,112	10,309	10,494	10,679	10,864
86											
87	TN	R	Capitalized Tank Rehabilitation/Painting	304300	Struct & Imp-Treatment	0	0	0	0	0	0
88	TN	R		304301	Struct & Imp-Treatment-Dpr Paint	1,250,689	1,250,689	1,250,689	1,250,689	1,250,689	1,250,689
89	TN	R		320100	WT Equip Non-Media	259,932	259,932	259,932	259,932	259,932	259,932
90	TN	R		320200	Water Trmt Equip Filter Media	52,740	52,740	52,740	52,740	52,740	52,740
91	TN	R		330000	Dist Reservoirs & Standpipes	23,327	23,344	23,344	23,344	23,344	23,344
92	TN	R		330003	Tank Repainting	2,180,679	2,258,201	2,258,201	2,258,201	2,258,201	2,258,201
93	TN	R		330100	Elevated Tanks & Standpipes	210,108	217,577	217,577	217,577	217,577	217,577
94	TN	R		330200	Ground Level Tanks	1,124,911	1,164,901	1,164,901	1,164,901	1,164,901	1,164,901
95											
96	TN	S	Engineering Studies	331001	Transmission & Distribution Mains	0	0	0	0	0	0

Tennessee American Water Company
Qualified Infrastructure Improvement Program
Economic Development Rider
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STRATEGIC CAPITAL EXPENDITURE PLAN
PROGRAM

Business Unit Tennessee
Revision Date 10/22/18
Description TN BP 2019-2023 SCEP

					Cumulative Balance of In-Serviced Plant, from 2019 Capex, by Period					
Line #	Business Unit No.	Project Title	Account	Account Description	7	8	9	10	11	12
97		Total Recurring Projects								
98										
99		ACQUISITIONS								
100										
101		Total Acquisitions								
102										
103		CENTRALLY SPONSORED PROJECTS								
104	TN	T26-0202 Business Transformation 2010 - 2014	340315	Computer Software Special Deprec Rate	0	0	0	0	0	0
105	TN	T26-0203 Business Transformation 2010 - 2014	340315	Computer Software Special Deprec Rate	0	0	0	0	0	0
106		Total Centrally Sponsored Projects								
107										
108		INVESTMENT PROJECTS								
109	TN	I26-020017 Electrical Motor Efficiency Enhancement (\$2.9)			0	0	0	0	0	0
110	TN	I26-020027 Construct 1.0MG Tank & 2500-16" ER (\$1.0)			0	0	0	0	0	0
111	TN	I26-020028 Citico Plant Improvements Phase 1B (\$8.6)	304300	Struct & Imp-Treatment	6,103,569	6,103,569	6,103,569	6,103,569	6,103,569	6,103,569
112	TN	I26-020028	320100	WT Equip Non-Media	2,108,898	2,108,898	2,108,898	2,108,898	2,108,898	2,108,898
113	TN	I26-020028	346190	Remote Control & Instrument	207,335	207,335	207,335	207,335	207,335	207,335
114	TN	I26-020032 Wastewater Treatm't & Handling Impr (\$15.3)	304200	Struct & Imp-Pumping	0	0	0	0	0	0
115	TN	I26-020032	304300	Struct & Imp-Treatment	4,141,710	4,141,710	4,141,710	4,141,710	4,141,710	4,141,710
116	TN	I26-020032	304400	Struct & Imp-T&D	0	0	0	0	0	0
117	TN	I26-020032	304500	Structures & Improvement - General	1,062,411	1,062,411	1,062,411	1,062,411	1,062,411	1,062,411
118	TN	I26-020032	320100	WT Equip Non-Media	10,336,541	10,336,541	10,336,541	10,336,541	10,336,541	10,336,541
119	TN	I26-020032	330200	Ground Level Tanks	0	0	0	0	0	0
120	TN	I26-020032	347000	Misc Equipment	5,946	5,946	5,946	5,946	5,946	5,946
121	TN	I26-020034 Tennessee River Crossing (\$2.5)	331001	Transmission & Distribution Mains	2,414,209	2,414,209	2,414,209	2,414,209	2,414,209	2,414,209
122	TN	I26-020038 Retire Basin 1	304300	Struct & Imp-WT	0	0	0	0	0	0
123	TN	I26-020039 Repl Basin 2 & Plate Settlers	320100	WT Equip Non-Media	0	0	0	0	2,488,812	2,516,250
124	TN	I26-020040 Chlorine Gas Conversion	320100	WT Equip Non-Media	0	0	0	0	0	3,574,646
125	TN	I26-020041 Electrical - Breakers and Relays (\$0.6)	311200	Pump Eqp Electric	0	0	0	0	0	0
126	TN	I26-020042 Pumping Auxiliary Power (\$1.4)			0	0	0	0	0	0
127	TN	I26-020043 Energy Reduction and Efficiency (\$0.87)			0	0	0	0	0	0
128	TN	I26-020044 New Raw Water Intake Citico (\$13)			0	0	0	0	0	0
129	TN	I26-020045 Remove Filter Bldg 3	304300	Struct & Imp-Treatment	159,824	159,824	159,824	159,824	159,824	159,824
130	TN	I26-020046 New Field Services Facility (\$4.5)			0	0	0	0	0	0
131	TN	I26-050001 Raw Water Intake Improvements Whitwell (\$2)			0	0	0	0	0	0
132	TN	I26-050002 Facility Upgrades at Whitwell WTP (\$0.3)	320100	WT Equip Non-Media	63,811	63,811	63,811	63,811	63,811	63,811
133	TN	I26-050002	346190	Remote Control & Instrument	286,295	286,295	286,295	286,295	286,295	286,295
134	TN	I26-050003 Replace 0.5 MG Storage Tanks at Whitwell (\$.5)			0	0	0	0	0	0
135	TN	I26-050004 Replace 0.1 MG Storage Tank at Whitwell (\$0.3)	330200	Ground Level Tanks	254,153	254,153	254,153	254,153	254,153	254,153
136	TN	I26-020002 Post Acquisition BD Capex			0	0	0	0	0	0
137	TN	I26-000001 Whitwell Acquisition Capital Investment	331001	Transmission & Distribution Mains	0	0	0	0	0	0
138	TN	I26-000001	320200	Water Trmt Equip Filter Media	0	0	0	0	0	0
139	TN	I26-000001	311520	Pumping Equipment SOS	0	0	0	0	0	0
140	TN	I26-000001	340200	Computer & Peripheral Equipment	0	0	0	0	0	0
141										
142		(1) Amounts not reflected in actuals through 2017 or		Total DV Included:						94,695,237
143		projections based on project costs through 2019								

**Tennessee American Water Company
Qualified Infrastructure Improvement Program
Economic Development Rider
Safety and Environmental Compliance Rider**

STRATEGIC CAPITAL EXPENDITURE PLAN PROGRAM

Business Unit	Tennessee
Revision Date	10/22/18
Description	TN BP 2019-2023 SCEP

[illegible]

Tennessee American Water Company
Qualified Infrastructure Improvement Program
Economic Development Rider
Safety and Environmental Compliance Rider

STRATEGIC CAPITAL EXPENDITURE PLAN
PROGRAM

Business Unit Tennessee
Revision Date 10/22/18
Description TN BP 2019-2023 SCEP

2019

Line #	Business Unit No.	Project Title	Account	Account Description	Surcharge	Average Plant in Service	Average Retirements (Replacement Projects Only)	Average CIAC	Depreciation Expense	Average Cost of Removal Less Salvage
1		RECURRING PROJECTS								
2	TN	DV		Projects Funded by Others						
3	TN	DV	331001	Transmission & Distribution Mains		\$ -	\$ -	\$ -	\$ -	\$ -
4	TN	DV	333000	Services		0	0	0	0	0
5			335000	Hydrants		0	0	0	0	0
6	TN	A	331001	Mains - New	EDI	2,233,273	0	0	27,916	0
7	TN	A	333000	Services	EDI	18,398	0	0	204	0
8	TN	A	334300	Meter Vaults	EDI	44,848	0	0	1,224	0
9	TN	A	335000	Hydrants	EDI	131,963	0	0	3,035	0
10										
11	TN	B	331001	Mains - Replaced / Restored	QIIP	7,345,947	(403,920)	0	86,775	105,790
12	TN	B	333000	Services	QIIP	746,433	(668)	0	8,278	75,817
13	TN	B	335000	Hydrants	QIIP	166,934	(2,164)	0	3,790	977
14										
15	TN	C	331001	Mains - Unscheduled	QIIP	7,908,838	(576,283)	0	91,657	892,168
16	TN	C	335000	Hydrants	QIIP	6,866	0	0	158	0
17										
18	TN	D	331001	Mains - Relocated	QIIP	3,816,243	(151,462)	(2,133,047)	19,147	133,870
19	TN	D	333000	Services	QIIP	51,529	0	(29,877)	240	49,770
20	TN	D	335000	Hydrants	QIIP	167,098	(68,426)	(115,923)	(397)	0
21										
22	TN	E	331001	Hydrants, Valves, and Manholes - New	EDI	360,525	0	0	4,507	0
23	TN	E	335000	Hydrants	EDI	103,994	(1,799)	(22,345)	1,837	1,904
24								0		
25	TN	F	331001	Hydrants, Valves, and Manholes - Replaced	QIIP	382,770	(39,507)	0	4,291	96,903
26	TN	F	335000	Hydrants	QIIP	1,085,018	(98,824)	(5,500)	22,556	48,898
27										
28	TN	G	333000	Services and Laterals - New		1,560,925	0	0	17,326	0
29										
30	TN	H	333000	Services and Laterals - Replaced	QIIP	2,840,256	(121,783)	0	30,175	783,286
31	TN	H	334100	Meters	QIIP	28,523	(14,459)	0	1,051	20,384
32										
33	TN	I	334100	Meters - New		180,828	0	0	13,508	0
34	TN	I	334200	Meter Installations		191,792	0	0	5,236	0
35										
36	TN	J	334100	Meters - Replaced	QIIP	1,259,641	(3,406,811)	0	(160,394)	390,368
37	TN	J	334200	Meter Installations	QIIP	7,629,951	(957,191)	0	182,166	1,392,981
38										
39	TN	K	340200	ITS Equipment and Systems		0	0	0	0	0
40										
41	TN	L	320100	SCADA Equipment and Systems	WT Equip Non-Media	268,337	(12,365)	0	2,790	5,933
42	TN	L	340200	Computer & Peripheral Equipment	SEC	69,709	0	0	1,527	2,449
43	TN	L	346100	Comm Equip Non-Telephone	SEC	35,018	0	0	1,474	0
44	TN	L	346190	Remote Control & Instrument	SEC	945,827	(105,369)	0	35,383	63,645
45										
46	TN	M	304100	Security Equipment and Systems	Struct & Imp-Supply	31,845	0	0	631	0
47	TN	M	304200	Struct & Imp-Pumping	SEC	0	(10,202)	0	(202)	0
48	TN	M	304300	Structures & Improvement - Treatment	SEC	497,555	(8,826)	0	20,087	15,782

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PROGRAM

Business Unit Tennessee
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Description TN BP 2019-2023 SCEP

2019

Line #	Business Unit No.		Project Title	Account	Account Description	Surcharge	Average Plant in Service	Average Retirements (Replacement Projects Only)	Average CIAC	Depreciation Expense	Average Cost of Removal Less Salvage
49	TN	M		304400	Struct & Imp-Treatment-T&D	SEC	77,114	0	0	1,643	0
50	TN	M		304500	Structures & Improvement - General	SEC	6,193	0	0	70	0
51	TN	M		340200	Computer & Peripheral Equipment	SEC	8,858	0	0	194	0
52											
53	TN	N	Offices and Operations Centers	304500	Structures & Improvement - General		0	0	0	0	0
54											
55	TN	O	Vehicles	341100	Transportation Equip Lt Duty Trucks		0	0	0	0	0
56	TN	O		341200	Transportation Equip Hvy Duty Trucks		0	0	0	0	0
57	TN	O		341300	Transportation Equip Autos		0	0	0	0	0
58											
59	TN	P	Tools and Equipment	343000	Tools, Shop, Garage Equipment		0	0	0	0	0
60											
61	TN	Q	Process Plant Facilities and Equipment	304100	Struct & Imp-Supply	SEC	858,716	0	0	17,003	874
62	TN	Q		304200	Struct & Imp-Pumping	SEC	1,044,136	(28,440)	0	20,111	40,720
63	TN	Q		304300	Struct & Imp-Treatment	SEC	190,423	(18,823)	0	7,053	2,628
64	TN	Q		304400	Struct & Imp-Treatment-T&D	SEC	32,171	0	0	685	0
65	TN	Q		304500	Structures & Improvement - General	SEC	76,720	0	0	867	277
66	TN	Q		304600	Struc & Imp-Offices	SEC	9,417	0	0	106	0
67	TN	Q		304700	Struct & Imp-Store,Shop,Garage	SEC	0	(7,869)	0	(57)	1
68	TN	Q		306000	Lake, River & Other Intakes	SEC	30,376	0	0	252	313
69	TN	Q		309000	Supply Mains	SEC	9,862	0	0	184	0
70	TN	Q		310000	Power Generation Equip	SEC	43,178	0	0	5,324	115
71	TN	Q		311200	Pump Eqp Electric	SEC	51,831	(165,004)	0	(2,773)	49,517
72	TN	Q		311520	Pumping Equipment SOS	SEC	2,145,484	(74,947)	0	37,891	41,384
73	TN	Q		320100	WT Equip Non-Media	SEC	3,216,813	(604,473)	0	28,475	389,729
74	TN	Q		320200	Water Trmt Equip Filter Media	SEC	1,156,745	(449,717)	0	238,198	489,873
75	TN	Q		330000	Dist Reservoirs & Standpipes	SEC	29,665	(0)	0	617	0
76	TN	Q		331001	Transmission & Distribution Mains	SEC	0	(1,011)	0	(13)	0
77	TN	Q		334100	Meters	SEC	0	0	0	0	0
78	TN	Q		340200	Computer & Peripheral Equipment	SEC	0	(0)	0	(0)	105
79	TN	Q		340300	Computer Software	SEC	124,563	0	0	2,279	0
80	TN	Q		340330	Computer Software Other	SEC	1,224	0	0	22	0
81	TN	Q		343000	Tools, Shop, Garage Equipment	SEC	4,127	(3,416)	0	49	0
82	TN	Q		344000	Laboratory Equipment	SEC	6,138	(150,505)	0	(1,458)	1,535
83	TN	Q		345000	Power Operated Equipment	SEC	51,973	(14,251)	0	2,652	2,117
84	TN	Q		346190	Remote Control & Instrument	SEC	7,647	(3,915)	0	157	0
85	TN	Q		347000	Misc Equipment	SEC	9,763	(4,756)	0	317	3,990
86									0		
87	TN	R	Capitalized Tank Rehabilitation/Painting	304300	Struct & Imp-Treatment	QIIP	0	(94,900)	0	(3,900)	0
88	TN	R		304301	Struct & Imp-Treatment-Dpr Paint	QIIP	1,250,689	(170,157)	0	130,312	661,770
89	TN	R		320100	WT Equip Non-Media	QIIP	259,932	(123,785)	0	1,484	89,500
90	TN	R		320200	Water Trmt Equip Filter Media	QIIP	52,740	(36,378)	0	5,512	206,460
91	TN	R		330000	Dist Reservoirs & Standpipes	QIIP	23,274	0	0	484	0
92	TN	R		330003	Tank Repainting	QIIP	1,948,111	(222,583)	0	191,188	418,192
93	TN	R		330100	Elevated Tanks & Standpipes	QIIP	187,700	0	0	5,143	0
94	TN	R		330200	Ground Level Tanks	QIIP	1,004,940	(446)	0	27,523	977
95											
96	TN	S	Engineering Studies	331001	Transmission & Distribution Mains		0	0	0	0	0

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Line #	Business Unit No.		Project Title	Account	Account Description	Surcharge	Average Plant in Service	Average Retirements (Replacement Projects Only)	Average CIAC	Depreciation Expense	Average Cost of Removal Less Salvage	
97			Total Recurring Projects									
98												
99			ACQUISITIONS									
100												
101			Total Acquisitions									
102												
103			CENTRALLY SPONSORED PROJECTS									
104	TN	T26-0202	Business Transformation 2010 - 2014	340315	Computer Software Special Deprec Rate		0			0		
105	TN	T26-0203	Business Transformation 2010 - 2014	340315	Computer Software Special Deprec Rate		0			0		
106			Total Centrally Sponsored Projects									
107												
108			INVESTMENT PROJECTS									
109	TN	I26-020017	Electrical Motor Efficiency Enhancement (\$2.9)			SEC	0			0		
110	TN	I26-020027	Construct 1.0MG Tank & 2500-16" ER (\$1.0)			SEC	0			0		
111	TN	I26-020028	Citico Plant Improvements Phase 1B (\$8.6)	304300	Struct & Imp-Treatment	QIIP	6,103,569	0		250,857	850,267 (1)	
112	TN	I26-020028		320100	WT Equip Non-Media	QIIP	2,108,898	(47,846)		22,465		
113	TN	I26-020028		346190	Remote Control & Instrument	QIIP	207,335			8,729		
114	TN	I26-020032	Wastewater Treatm't & Handling Impr (\$15.3)	304200	Struct & Imp-Pumping	SEC	0	(14,622)		(290)	243,354	
115	TN	I26-020032		304300	Struct & Imp-Treatment	SEC	4,141,710	(54,346)		167,991	1,535,662	
116	TN	I26-020032		304400	Struct & Imp-T&D	SEC	0			0	0	
117	TN	I26-020032		304500	Structures & Improvement - General	SEC	1,062,411			12,005	0	
118	TN	I26-020032		320100	WT Equip Non-Media	SEC	10,336,541	(305)		112,665	577	
119	TN	I26-020032		330200	Ground Level Tanks	SEC	0			0		
120	TN	I26-020032		347000	Misc Equipment	SEC	5,946			376		
121	TN	I26-020034	Tennessee River Crossing (\$2.5)	331001	Transmission & Distribution Mains	QIIP	2,414,209	0		30,178		
122	TN	I26-020038	Retire Basin 1	304300	Struct & Imp-WT	QIIP	0	(178,175)		(7,323)	38,462	
123	TN	I26-020039	Repl Basin 2 & Plate Settlers	320100	WT Equip Non-Media	QIIP	385,005	(318,229)		728	53,846	
124	TN	I26-020040	Chlorine Gas Conversion	320100	WT Equip Non-Media	SEC	274,973	(11,982)		2,867	3,846	
125	TN	I26-020041	Electrical - Breakers and Relays (\$0.6)	311200	Pump Eqp Electric	QIIP	0			0		
126	TN	I26-020042	Pumping Auxiliary Power (\$1.4)			SEC	0			0		
127	TN	I26-020043	Energy Reduction and Efficiency (\$0.87)			QIIP	0			0		
128	TN	I26-020044	New Raw Water Intake Citico (\$13)			SEC	0			0		
129	TN	I26-020045	Remove Filter Bldg 3	304300	Struct & Imp-Treatment	QIIP	159,824	(2,607) (1)		6,462	485,000 (1)	
130	TN	I26-020046	New Field Services Facility (\$4.5)				0			0		
131	TN	I26-050001	Raw Water Intake Improvements Whitwell (\$2)			SEC	0			0		
132	TN	I26-050002	Facility Upgrades at Whitwell WTP (\$0.3)	320100	WT Equip Non-Media	SEC	63,811	(18,824) (1)		490	30,000 (1)	
133	TN	I26-050002		346190	Remote Control & Instrument	SEC	286,295			12,053		
134	TN	I26-050003	Replace 0.5 MG Storage Tanks at Whitwell (\$.5)			SEC	0			0		
135	TN	I26-050004	Replace 0.1 MG Storage Tank at Whitwell (\$0.3)	330200	Ground Level Tanks	SEC	254,153	(1,500) (1)		6,923	50,000 (1)	
136	TN	I26-020002	Post Acquisition BD Capex				0			0		
137	TN	I26-000001	Whitwell Acquisition Capital Investment	331001	Transmission & Distribution Mains	QIIP	0			0		
138	TN	I26-000001		320200	Water Trmt Equip Filter Media	QIIP	0			0		
139	TN	I26-000001		311520	Pumping Equipment SOS	QIIP	0			0		
140	TN	I26-000001		340200	Computer & Peripheral Equipment	QIIP	0			0		
141												
142			(1) Amounts not reflected in actuals through 2017 or projections based on project costs through 2019				Total DV Included:	\$ 81,836,085	\$ (8,803,873)	\$ (2,306,691)	\$ 1,770,745	\$ 9,772,014
143												

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Business Unit	Tennessee
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Line #	Business Unit No.			Project Title	Account	Account Description	Tax Depr class life	Y1 Tax Depr Rate (3)	Y2 Tax Depr Rate (3)	Y3 Tax Depr Rate (3)	Y4 Tax Depr Rate (3)	Y5 Tax Depr Rate (3)	Y6 Tax Depr Rate (3)	Tax Depreciation	Tax over Book Depreciation
49	TN	M			304400	Struct & Imp-Treatment-T&D	39 yr	1.282%	2.564%	2.564%	2.564%	2.564%	2.564%	1,957	315
50	TN	M			304500	Structures & Improvement - General	39 yr	1.282%	2.564%	2.564%	2.564%	2.564%	2.564%	159	89
51	TN	M			340200	Computer & Peripheral Equipment	5 yr	20.000%	32.000%	19.200%	11.520%	11.520%	5.760%	2,162	1,968
52															
53	TN	N		Offices and Operations Centers	304500	Structures & Improvement - General	39 yr	1.282%	2.564%	2.564%	2.564%	2.564%	2.564%	0	0
54															
55	TN	O		Vehicles	341100	Transportation Equip Lt Duty Trucks	5 yr	20.000%	32.000%	19.200%	11.520%	11.520%	5.760%	0	0
56	TN	O			341200	Transportation Equip Hvy Duty Trucks	5 yr	20.000%	32.000%	19.200%	11.520%	11.520%	5.760%	0	0
57	TN	O			341300	Transportation Equip Autos	5 yr	20.000%	32.000%	19.200%	11.520%	11.520%	5.760%	0	0
58															
59	TN	P		Tools and Equipment	343000	Tools, Shop, Garage Equipment	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%	4.000%	0	0
60															
61	TN	Q		Process Plant Facilities and Equipment	304100	Struct & Imp-Supply	39 yr	1.282%	2.564%	2.564%	2.564%	2.564%	2.564%	22,170	5,167
62	TN	Q			304200	Struct & Imp-Pumping	39 yr	1.282%	2.564%	2.564%	2.564%	2.564%	2.564%	26,991	6,880
63	TN	Q			304300	Struct & Imp-Treatment	39 yr	1.282%	2.564%	2.564%	2.564%	2.564%	2.564%	4,922	(2,130)
64	TN	Q			304400	Struct & Imp-Treatment-T&D	39 yr	1.282%	2.564%	2.564%	2.564%	2.564%	2.564%	832	146
65	TN	Q			304500	Structures & Improvement - General	39 yr	1.282%	2.564%	2.564%	2.564%	2.564%	2.564%	1,983	1,116
66	TN	Q			304600	Struc & Imp-Offices	39 yr	1.282%	2.564%	2.564%	2.564%	2.564%	2.564%	243	137
67	TN	Q			304700	Struct & Imp-Store,Shop,Garage	39 yr	1.282%	2.564%	2.564%	2.564%	2.564%	2.564%	0	57
68	TN	Q			306000	Lake, River & Other Intakes	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%	4.000%	1,225	973
69	TN	Q			309000	Supply Mains	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%	4.000%	394	210
70	TN	Q			310000	Power Generation Equip	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%	4.000%	1,733	(3,591)
71	TN	Q			311200	Pump Eqp Electric	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%	4.000%	2,090	4,863
72	TN	Q			311520	Pumping Equipment SOS	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%	4.000%	86,483	48,592
73	TN	Q			320100	WT Equip Non-Media	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%	4.000%	129,602	101,127
74	TN	Q			320200	Water Trmt Equip Filter Media	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%	4.000%	46,648	(191,550)
75	TN	Q			330000	Dist Reservoirs & Standpipes	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%	4.000%	1,196	579
76	TN	Q			331001	Transmission & Distribution Mains	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%	4.000%	0	13
77	TN	Q			334100	Meters	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%	4.000%	0	0
78	TN	Q			340200	Computer & Peripheral Equipment	5 yr	20.000%	32.000%	19.200%	11.520%	11.520%	5.760%	0	0
79	TN	Q			340300	Computer Software	5 yr	20.000%	32.000%	19.200%	11.520%	11.520%	5.760%	28,501	26,222
80	TN	Q			340330	Computer Software Other	5 yr	20.000%	32.000%	19.200%	11.520%	11.520%	5.760%	280	258
81	TN	Q			343000	Tools, Shop, Garage Equipment	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%	4.000%	166	117
82	TN	Q			344000	Laboratory Equipment	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%	4.000%	248	1,706
83	TN	Q			345000	Power Operated Equipment	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%	4.000%	2,096	(556)
84	TN	Q			346190	Remote Control & Instrument	5 yr	20.000%	32.000%	19.200%	11.520%	11.520%	5.760%	1,481	1,324
85	TN	Q			347000	Misc Equipment	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%	4.000%	394	77
86															
87	TN	R		Capitalized Tank Rehabilitation/Painting	304300	Struct & Imp-Treatment	39 yr	1.282%	2.564%	2.564%	2.564%	2.564%	2.564%	0	3,900
88	TN	R			304301	Struct & Imp-Treatment-Dpr Paint	39 yr	1.282%	2.564%	2.564%	2.564%	2.564%	2.564%	32,068	(98,244)
89	TN	R			320100	WT Equip Non-Media	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%	4.000%	10,397	8,913
90	TN	R			320200	Water Trmt Equip Filter Media	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%	4.000%	2,110	(3,403)
91	TN	R			330000	Dist Reservoirs & Standpipes	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%	4.000%	931	447
92	TN	R			330003	Tank Repainting	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%	4.000%	76,374	(114,814)
93	TN	R			330100	Elevated Tanks & Standpipes	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%	4.000%	7,359	2,216
94	TN	R			330200	Ground Level Tanks	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%	4.000%	39,398	11,875
95															
96	TN	S		Engineering Studies	331001	Transmission & Distribution Mains	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%	4.000%	0	

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97			Total Recurring Projects											
98														
99			ACQUISITIONS											
100														
101			Total Acquisitions											
102														
103			CENTRALLY SPONSORED PROJECTS											
104	TN	T26-0202	Business Transformation 2010 - 2014	340315	Computer Software Special Deprec Rate	3 yr	33.330%	33.330%	33.340%	0.000%	0.000%	0.000%	0	0
105	TN	T26-0203	Business Transformation 2010 - 2014	340315	Computer Software Special Deprec Rate	3 yr	33.330%	33.330%	33.340%	0.000%	0.000%	0.000%		
106			Total Centrally Sponsored Projects											
107														
108			INVESTMENT PROJECTS											
109	TN	I26-020017	Electrical Motor Efficiency Enhancement (\$2.9)											
110	TN	I26-020027	Construct 1.0MG Tank & 2500-16" ER (\$1.0)											
111	TN	I26-020028	Citico Plant Improvements Phase 1B (\$8.6)	304300	Struct & Imp-Treatment	39 yr	1.282%	2.564%	2.564%	2.564%	2.564%	2.564%	156,496	(94,361)
112	TN	I26-020028		320100	WT Equip Non-Media	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%	4.000%	84,356	61,890
113	TN	I26-020028		346190	Remote Control & Instrument	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%	4.000%	8,293	(435)
114	TN	I26-020032	Wastewater Treatm't & Handling Impr (\$15.3)	304200	Struct & Imp-Pumping	39 yr	1.282%	2.564%	2.564%	2.564%	2.564%	2.564%	0	290
115	TN	I26-020032		304300	Struct & Imp-Treatment	39 yr	1.282%	2.564%	2.564%	2.564%	2.564%	2.564%	106,193	(61,797)
116	TN	I26-020032		304400	Struct & Imp-T&D	39 yr	1.282%	2.564%	2.564%	2.564%	2.564%	2.564%	0	0
117	TN	I26-020032		304500	Structures & Improvement - General	39 yr	1.282%	2.564%	2.564%	2.564%	2.564%	2.564%	27,240	15,235
118	TN	I26-020032		320100	WT Equip Non-Media	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%	4.000%	413,462	300,797
119	TN	I26-020032		330200	Ground Level Tanks	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%	4.000%	0	0
120	TN	I26-020032		347000	Misc Equipment	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%	4.000%	238	(139)
121	TN	I26-020034	Tennessee River Crossing (\$2.5)	331001	Transmission & Distribution Mains	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%	4.000%	96,568	66,391
122	TN	I26-020038	Retire Basin 1	304300	Struct & Imp-WT	39 yr	1.282%	2.564%	2.564%	2.564%	2.564%	2.564%	0	7,323
123	TN	I26-020039	Repl Basin 2 & Plate Settlers	320100	WT Equip Non-Media	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%	4.000%	50,325	49,597
124	TN	I26-020040	Chlorine Gas Conversion	320100	WT Equip Non-Media	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%	4.000%	71,493	68,626
125	TN	I26-020041	Electrical - Breakers and Relays (\$0.6)	311200	Pump Eqp Electric	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%	4.000%	0	0
126	TN	I26-020042	Pumping Auxiliary Power (\$1.4)											
127	TN	I26-020043	Energy Reduction and Efficiency (\$0.87)											
128	TN	I26-020044	New Raw Water Intake Citico (\$13)											
129	TN	I26-020045	Remove Filter Bldg 3	304300	Struct & Imp-Treatment	39 yr	1.282%	2.564%	2.564%	2.564%	2.564%	2.564%	4,098	(2,364)
130	TN	I26-020046	New Field Services Facility (\$4.5)											
131	TN	I26-050001	Raw Water Intake Improvements Whitwell (\$2)											
132	TN	I26-050002	Facility Upgrades at Whitwell WTP (\$0.3)	320100	WT Equip Non-Media	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%	4.000%	2,552	2,062
133	TN	I26-050002		346190	Remote Control & Instrument	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%	4.000%	11,452	(601)
134	TN	I26-050003	Replace 0.5 MG Storage Tanks at Whitwell (\$.5)											
135	TN	I26-050004	Replace 0.1 MG Storage Tank at Whitwell (\$0.3)	330200	Ground Level Tanks	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%	4.000%	10,166	3,243
136	TN	I26-020002	Post Acquisition BD Capex											
137	TN	I26-000001	Whitwell Acquisition Capital Investment	331001	Transmission & Distribution Mains	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%	4.000%	0	0
138	TN	I26-000001		320200	Water Trmt Equip Filter Media	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%	4.000%	0	0
139	TN	I26-000001		311520	Pumping Equipment SOS	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%	4.000%	0	0
140	TN	I26-000001		340200	Computer & Peripheral Equipment	5 yr	20.000%	32.000%	19.200%	11.520%	11.520%	5.760%	0	0
141														
142			(1) Amounts not reflected in actuals through 2017 or		Total DV Included:								\$ 3,301,411	\$ 1,530,666
143			projections based on project costs through 2019											

**Tennessee American Water Company
Qualified Infrastructure Improvement Program
Economic Development Rider
Safety and Environmental Compliance Rider**

STRATEGIC CAPITAL EXPENDITURE PLAN PROGRAM

Business Unit	Tennessee
Revision Date	10/22/18
Description	TN BP 2019-2023 SCEP

[illegible]

Tennessee American Water Company
Qualified Infrastructure Improvement Program
Economic Development Rider
Safety and Environmental Compliance Rider

STRATEGIC CAPITAL EXPENDITURE PLAN
PROGRAM

Business Unit Tennessee
Revision Date 10/22/18
Description TN BP 2019-2023 SCEP

Line #	Business Unit No.	Project Title	Account	Account Description	Tax Rate	Depreciation Deferred Tax (DTA, DTL))	NOTES	Average Accum Depreciation	Average Depreciation Deferred Tax (DTA, DTL))
1		RECURRING PROJECTS							
2	TN	DV		Projects Funded by Others					
3	TN	DV	331001	Transmission & Distribution Mains	0.26135	-		\$ -	\$ -
4	TN	DV	333000	Services	0.26135	0		0	0
5			335000	Hydrants	0.26135	0		0	0
6	TN	A	331001	Transmission & Distribution Mains	0.26135	(16,236)		(49,318)	(34,155)
7	TN	A	333000	Services	0.26135	(140)		(373)	(295)
8	TN	A	334300	Meter Vaults	0.26135	(153)		(2,257)	(237)
9	TN	A	335000	Hydrants	0.26135	(597)		(4,654)	(1,123)
10									
11	TN	B	331001	Transmission & Distribution Mains	0.26135	(54,206)		(194,045)	(152,143)
12	TN	B	333000	Services	0.26135	(5,650)		(16,373)	(14,298)
13	TN	B	335000	Hydrants	0.26135	(757)		(7,947)	(1,842)
14									
15	TN	C	331001	Transmission & Distribution Mains	0.26135	(58,723)		(242,853)	(183,284)
16	TN	C	335000	Hydrants	0.26135	(31)		(504)	(40)
17									
18	TN	D	331001	Transmission & Distribution Mains	0.26135	(34,825)		(55,866)	(85,098)
19	TN	D	333000	Services	0.26135	(475)		(454)	(834)
20	TN	D	335000	Hydrants	0.26135	(1,848)		4,215	(4,706)
21									
22	TN	E	331001	Transmission & Distribution Mains	0.26135	(2,588)		(9,714)	(7,091)
23	TN	E	335000	Hydrants	0.26135	(607)		(5,964)	(1,218)
24									
25	TN	F	331001	Transmission & Distribution Mains	0.26135	(2,858)		(8,578)	(7,717)
26	TN	F	335000	Hydrants	0.26135	(5,394)		(59,465)	(15,723)
27									
28	TN	G	333000	Services	0.26135	(11,775)		(17,545)	(10,702)
29									
30	TN	H	333000	Services	0.26135	(21,801)		(76,562)	(66,129)
31	TN	H	334100	Meters	0.26135	(24)		(1,596)	(120)
32									
33	TN	I	334100	Meters	0.26135	1,642		(17,302)	3,141
34	TN	I	334200	Meter Installations	0.26135	(634)		(5,672)	(387)
35									
36	TN	J	334100	Meters	0.26135	(54,942)		126,779	(55,493)
37	TN	J	334200	Meter Installations	0.26135	(31,316)		(358,513)	(72,343)
38									
39	TN	K	340200	Computer & Peripheral Equipment	0.26135	0		0	0
40									
41	TN	L	320100	WT Equip Non-Media	0.26135	(2,076)		(14,285)	(13,028)
42	TN	L	340200	Computer & Peripheral Equipment	0.26135	(2,443)		(3,541)	(14,113)
43	TN	L	346100	Comm Equip Non-Telephone	0.26135	569		(8,556)	(8,601)
44	TN	L	346190	Remote Control & Instrument	0.26135	(33,695)		(99,662)	(188,862)
45									
46	TN	M	304100	Struct & Imp-Supply	0.26135	(46)			
47	TN	M	304200	Struct & Imp-Pumping	0.26135	(53)			
48	TN	M	304300	Structures & Improvement - Treatment	0.26135	1,949		(39,891)	3,336

Tennessee American Water Company
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STRATEGIC CAPITAL EXPENDITURE PLAN
PROGRAM

Business Unit Tennessee
Revision Date 10/22/18
Description TN BP 2019-2023 SCEP

Line #	Business Unit No.		Project Title	Account	Account Description	Tax Rate	Depreciation Deferred Tax (DTA, DTL))	NOTES	Average Accum Depreciation	Average Depreciation Deferred Tax (DTA, DTL))
49	TN	M		304400	Struct & Imp-Treatment-T&D	0.26135	(82)		(3,104)	(387)
50	TN	M		304500	Structures & Improvement - General	0.26135	(23)		(315)	(139)
51	TN	M		340200	Computer & Peripheral Equipment	0.26135	(514)			
52										
53	TN	N	Offices and Operations Centers	304500	Structures & Improvement - General	0.26135	0		0	0
54										
55	TN	O	Vehicles	341100	Transportation Equip Lt Duty Trucks	0.26135	0		0	0
56	TN	O		341200	Transportation Equip Hvy Duty Trucks	0.26135	0		0	0
57	TN	O		341300	Transportation Equip Autos	0.26135	0		0	0
58										
59	TN	P	Tools and Equipment	343000	Tools, Shop, Garage Equipment	0.26135	0		0	0
60										
61	TN	Q	Process Plant Facilities and Equipment	304100	Struct & Imp-Supply	0.26135	(1,350)		(35,573)	(5,161)
62	TN	Q		304200	Struct & Imp-Pumping	0.26135	(1,798)		(37,919)	(6,128)
63	TN	Q		304300	Struct & Imp-Treatment	0.26135	557		(12,588)	928
64	TN	Q		304400	Struct & Imp-Treatment-T&D	0.26135	(38)		(2,061)	(250)
65	TN	Q		304500	Structures & Improvement - General	0.26135	(292)		(2,324)	(804)
66	TN	Q		304600	Struc & Imp-Offices	0.26135	(36)			
67	TN	Q		304700	Struct & Imp-Store,Shop,Garage	0.26135	(15)		235	(81)
68	TN	Q		306000	Lake, River & Other Intakes	0.26135	(254)		(681)	(778)
69	TN	Q		309000	Supply Mains	0.26135	(55)		(907)	(299)
70	TN	Q		310000	Power Generation Equip	0.26135	938		(20,509)	3,779
71	TN	Q		311200	Pump Eqp Electric	0.26135	(1,271)		6,110	(3,565)
72	TN	Q		311520	Pumping Equipment SOS	0.26135	(12,700)		(89,482)	(37,893)
73	TN	Q		320100	WT Equip Non-Media	0.26135	(26,430)		(89,189)	(97,799)
74	TN	Q		320200	Water Trmt Equip Filter Media	0.26135	50,061		(677,142)	177,931
75	TN	Q		330000	Dist Reservoirs & Standpipes	0.26135	(151)		(1,294)	(208)
76	TN	Q		331001	Transmission & Distribution Mains	0.26135	(3)		20	(5)
77	TN	Q		334100	Meters	0.26135	0		0	0
78	TN	Q		340200	Computer & Peripheral Equipment	0.26135	(0)		0	(0)
79	TN	Q		340300	Computer Software	0.26135	(6,853)			
80	TN	Q		340330	Computer Software Other	0.26135	(67)			
81	TN	Q		343000	Tools, Shop, Garage Equipment	0.26135	(31)		(140)	(90)
82	TN	Q		344000	Laboratory Equipment	0.26135	(446)		6,775	(2,421)
83	TN	Q		345000	Power Operated Equipment	0.26135	145		(9,977)	1,080
84	TN	Q		346190	Remote Control & Instrument	0.26135	(346)		(317)	(1,644)
85	TN	Q		347000	Misc Equipment	0.26135	(20)		(1,578)	119
86										
87	TN	R	Capitalized Tank Rehabilitation/Painting	304300	Struct & Imp-Treatment	0.26135	(1,019)		17,257	(5,995)
88	TN	R		304301	Struct & Imp-Treatment-Dpr Paint	0.26135	25,676		(451,641)	120,130
89	TN	R		320100	WT Equip Non-Media	0.26135	(2,329)		(43,061)	(55,945)
90	TN	R		320200	Water Trmt Equip Filter Media	0.26135	889		(18,445)	4,084
91	TN	R		330000	Dist Reservoirs & Standpipes	0.26135	(117)		(10,917)	(5,888)
92	TN	R		330003	Tank Repainting	0.26135	30,007		(261,410)	37,752
93	TN	R		330100	Elevated Tanks & Standpipes	0.26135	(579)		(9,080)	(1,555)
94	TN	R		330200	Ground Level Tanks	0.26135	(3,103)		(32,197)	(7,152)
95										
96	TN	S	Engineering Studies	331001	Transmission & Distribution Mains	0.26135	0		0	0

**Tennessee American Water Company
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STRATEGIC CAPITAL EXPENDITURE PLAN PROGRAM

Business Unit	Tennessee
Revision Date	10/22/18
Description	TN BP 2019-2023 SCEP

Line #	Business Unit No.		Project Title	Account	Account Description	Tax Rate	Depreciation Deferred Tax (DTA, DTL))	NOTES	Average Accum Depreciation	Average Depreciation Deferred Tax (DTA, DTL))		
97			Total Recurring Projects									
98												
99			ACQUISITIONS									
100												
101			Total Acquisitions									
102												
103			CENTRALLY SPONSORED PROJECTS									
104	TN	T26-0202	Business Transformation 2010 - 2014	340315	Computer Software Special Deprec Rate	0.26135	0		0	0		
105	TN	T26-0203	Business Transformation 2010 - 2014	340315	Computer Software Special Deprec Rate							
106			Total Centrally Sponsored Projects									
107												
108			INVESTMENT PROJECTS									
109	TN	I26-020017	Electrical Motor Efficiency Enhancement (\$2.9)				0					
110	TN	I26-020027	Construct 1.0MG Tank & 2500-16" ER (\$1.0)				0					
111	TN	I26-020028	Citico Plant Improvements Phase 1B (\$8.6)	304300	Struct & Imp-Treatment	0.26135	24,661		(766,096)	95,938		
112	TN	I26-020028		320100	WT Equip Non-Media	0.26135	(16,175)		(68,208)	(60,169)		
113	TN	I26-020028		346190	Remote Control & Instrument	0.26135	114		(17,131)	171		
114	TN	I26-020032	Wastewater Treatm't & Handling Impr (\$15.3)	304200	Struct & Imp-Pumping	0.26135	(76)		613	(330)		
115	TN	I26-020032		304300	Struct & Imp-Treatment	0.26135	16,151		(413,844)	62,919		
116	TN	I26-020032		304400	Struct & Imp-T&D	0.26135	0		0	0		
117	TN	I26-020032		304500	Structures & Improvement - General	0.26135	(3,982)		(168,211)	(138,237)		
118	TN	I26-020032		320100	WT Equip Non-Media	0.26135	(78,613)		(340,595)	(313,586)		
119	TN	I26-020032		330200	Ground Level Tanks	0.26135	0		(1,730)	(768)		
120	TN	I26-020032		347000	Misc Equipment	0.26135	36		(2,478)	174		
121	TN	I26-020034	Tennessee River Crossing (\$2.5)	331001	Transmission & Distribution Mains	0.26135	(17,351)		(17,410)	(20,688)		
122	TN	I26-020038	Retire Basin 1	304300	Struct & Imp-WT	0.26135	(1,914)		3,661	(957)		
123	TN	I26-020039	Repl Basin 2 & Plate Settlers	320100	WT Equip Non-Media	0.26135	(12,962)		(364)	(6,481)		
124	TN	I26-020040	Chlorine Gas Conversion	320100	WT Equip Non-Media	0.26135	(17,935)		(1,433)	(8,968)		
125	TN	I26-020041	Electrical - Breakers and Relays (\$0.6)	311200	Pump Eqp Electric	0.26135	0		0	0		
126	TN	I26-020042	Pumping Auxiliary Power (\$1.4)				0					
127	TN	I26-020043	Energy Reduction and Efficiency (\$0.87)				0					
128	TN	I26-020044	New Raw Water Intake Citico (\$13)				0					
129	TN	I26-020045	Remove Filter Bldg 3	304300	Struct & Imp-Treatment	0.26135	618		(8,210)	1,075		
130	TN	I26-020046	New Field Services Facility (\$4.5)				0					
131	TN	I26-050001	Raw Water Intake Improvements Whitwell (\$2)				0					
132	TN	I26-050002	Facility Upgrades at Whitwell WTP (\$0.3)	320100	WT Equip Non-Media	0.26135	(539)		(789)	(808)		
133	TN	I26-050002		346190	Remote Control & Instrument	0.26135	157		(19,007)	236		
134	TN	I26-050003	Replace 0.5 MG Storage Tanks at Whitwell (\$.5)				0					
135	TN	I26-050004	Replace 0.1 MG Storage Tank at Whitwell (\$0.3)	330200	Ground Level Tanks	0.26135	(848)		(9,848)	(83)		
136	TN	I26-020002	Post Acquisition BD Capex				0					
137	TN	I26-000001	Whitwell Acquisition Capital Investment	331001	Transmission & Distribution Mains	0.26135	0		0	0		
138	TN	I26-000001		320200	Water Trmt Equip Filter Media	0.26135	0		0	0		
139	TN	I26-000001		311520	Pumping Equipment SOS	0.26135	0		0	0		
140	TN	I26-000001		340200	Computer & Peripheral Equipment	0.26135	0		0	0		
141												
142			(1) Amounts not reflected in actuals through 2017 or projections based on project costs through 2019	Total DV Included:			\$	(400,039)	\$	(4,783,030)	\$	(1,212,052)
143												

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STRATEGIC CAPITAL EXPENDITURE PLAN PROGRAM

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Tennessee American Water Company
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STRATEGIC CAPITAL EXPENDITURE PLAN
PROGRAM

Business Unit Tennessee
Revision Date July 5, 2017
Description TN BP 2018-2022 SCEP

Line #	Business Unit No.	Project Title	Account	Account Description	Portion to Account	In-Service (Months) (2)	Dep Rate	2017 SCEP Reforecast	Prior 2017 SCEP In-Serviced
1		RECURRING PROJECTS							
2	TN	DV	Projects Funded by Others	331001	Transmission & Distribution Mains	0.0%	1	1.25%	\$ -
3	TN	DV		333000	Services	0.0%	1	1.11%	0
4	TN	DV		335000	Hydrants	0.0%	1	2.30%	0
5									
6	TN	A	Mains - New	331001	Transmission & Distribution Mains	92.0%	1	1.25%	905,421
7	TN	A		333000	Services	0.8%	1	1.11%	7,459
8	TN	A		334300	Meter Vaults	1.8%	1	2.73%	18,184
9	TN	A		335000	Hydrants	5.4%	1	2.30%	53,504
10									
11	TN	B	Mains - Replaced / Restored	331001	Transmission & Distribution Mains	88.3%	1	1.25%	5,002,737
12	TN	B		333000	Services	9.8%	1	1.11%	486,978
13	TN	B		335000	Hydrants	1.9%	1	2.30%	116,906
14									
15	TN	C	Mains - Unscheduled	331001	Transmission & Distribution Mains	99.9%	1	1.25%	6,004,050
16	TN	C		335000	Hydrants	0.1%	1	2.30%	4,979
17									
18	TN	D	Mains - Relocated	331001	Transmission & Distribution Mains	94.5%	1	1.25%	3,576,035
19	TN	D		333000	Services	1.3%	1	1.11%	48,244
20	TN	D		335000	Hydrants	4.2%	1	2.30%	156,385
21									
22	TN	E	Hydrants, Valves, and Manholes - New	331001	Transmission & Distribution Mains	83.7%	1	1.25%	188,630
23	TN	E		335000	Hydrants	16.3%	1	2.30%	70,582
24									
25	TN	F	Hydrants, Valves, and Manholes - Replaced	331001	Transmission & Distribution Mains	29.4%	1	1.25%	191,331
26	TN	F		335000	Hydrants	70.6%	1	2.30%	626,189
27									
28	TN	G	Services and Laterals - New	333000	Services	100.0%	1	1.11%	0
29									
30	TN	H	Services and Laterals - Replaced	333000	Services	98.8%	1	1.11%	1,872,518
31	TN	H		334100	Meters	1.2%	1	7.47%	17,011
32									
33	TN	I	Meters - New	334100	Meters	48.5%	1	7.47%	0
34	TN	I		334200	Meter Installations	51.5%	1	2.73%	0
35									
36	TN	J	Meters - Replaced	334100	Meters	14.8%	1	7.47%	597,628
37	TN	J		334200	Meter Installations	85.2%	1	2.73%	3,814,438
38									
39	TN	K	ITS Equipment and Systems	340200	Computer & Peripheral Equipment	0.0%	1	2.19%	0
40									
41	TN	L	SCADA Equipment and Systems	320100	WT Equip Non-Media	0.0%	1	1.09%	268,337
42	TN	L		340200	Computer & Peripheral Equipment	6.3%	1	2.19%	55,351
43	TN	L		346100	Comm Equip Non-Telephone	-2.7%	1	4.21%	41,119
44	TN	L		346190	Remote Control & Instrument	96.4%	1	4.21%	726,799
45									
46	TN	M	Security Equipment and Systems	304100	Struct & Imp-Supply	5.2%	1	1.98%	20,271
47	TN	M		304200	Struct & Imp-Pumping	0.0%	1	1.98%	0
48	TN	M		304300	Structures & Improvement - Treatment	80.9%	1	4.11%	316,721

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Revision Date July 5, 2017
Description TN BP 2018-2022 SCEP

Line #	Business Unit No.		Project Title	Account	Account Description	Portion to Account	In-Service (Months) (2)	Dep Rate	2017 SCEP Reforecast	Prior 2017 SCEP In-Serviced
49	TN	M		304400	Struct & Imp-Treatment-T&D	12.5%	1	2.13%		49,087
50	TN	M		304500	Structures & Improvement - General	0.0%	1	1.13%		6,193
51	TN	M		340200	Computer & Peripheral Equipment	1.4%		2.19%		5,638
52										
53	TN	N	Offices and Operations Centers	304500	Structures & Improvement - General	0.0%	1	1.13%		0
54										
55	TN	O	Vehicles	341100	Transportation Equip Lt Duty Trucks	0.0%	1	16.00%		0
56	TN	O		341200	Transportation Equip Hvy Duty Trucks	0.0%	1	16.62%		0
57	TN	O		341300	Transportation Equip Autos	0.0%	1	11.38%		0
58										
59	TN	P	Tools and Equipment	343000	Tools, Shop, Garage Equipment	0.0%	1	6.89%		0
60										
61	TN	Q	Process Plant Facilities and Equipment	304100	Struct & Imp-Supply	8.6%	1	1.98%		712,119
62	TN	Q		304200	Struct & Imp-Pumping	12.4%	1	1.98%		833,440
63	TN	Q		304300	Struct & Imp-Treatment	2.3%	1	4.11%		151,998
64	TN	Q		304400	Struct & Imp-Treatment-T&D	0.4%	1	2.13%		25,679
65	TN	Q		304500	Structures & Improvement - General	0.9%	1	1.13%		61,239
66	TN	Q		304600	Struc & Imp-Offices	0.1%	1	1.13%		7,517
67	TN	Q		304700	Struct & Imp-Store,Shop,Garage	0.0%	1	0.73%		0
68	TN	Q		306000	Lake, River & Other Intakes	0.4%	1	0.83%		24,247
69	TN	Q		309000	Supply Mains	0.0%	1	1.87%		9,862
70	TN	Q		310000	Power Generation Equip	0.2%	1	12.33%		39,524
71	TN	Q		311200	Pump Eqp Electric	0.6%	1	2.45%		41,372
72	TN	Q		311520	Pumping Equipment SOS	24.0%	1	1.83%		1,735,922
73	TN	Q		320100	WT Equip Non-Media	33.6%	1	1.09%		2,643,609
74	TN	Q		320200	Water Trmt Equip Filter Media	13.7%	1	33.69%		923,326
75	TN	Q		330000	Dist Reservoirs & Standpipes	0.4%	1	2.08%		23,679
76	TN	Q		331001	Transmission & Distribution Mains	0.0%	1	1.25%		0
77	TN	Q		334100	Meters	0.0%	1	7.47%		0
78	TN	Q		340200	Computer & Peripheral Equipment	0.0%	1	2.19%		0
79	TN	Q		340300	Computer Software	1.5%	1	1.83%		99,427
80	TN	Q		340330	Computer Software Other	0.0%	1	1.83%		977
81	TN	Q		343000	Tools, Shop, Garage Equipment	0.0%	1	6.89%		3,294
82	TN	Q		344000	Laboratory Equipment	0.1%	1	1.01%		4,899
83	TN	Q		345000	Power Operated Equipment	0.6%	1	7.03%		41,485
84	TN	Q		346190	Remote Control & Instrument	0.1%	1	4.21%		6,104
85	TN	Q		347000	Misc Equipment	0.1%	1	6.33%		7,793
86										
87	TN	R	Capitalized Tank Rehabilitation/Painting	304300	Struct & Imp-Treatment	0.0%	1	4.11%		0
88	TN	R		304301	Struct & Imp-Treatment-Dpr Paint	0.0%	1	12.06%		1,250,689
89	TN	R		320100	WT Equip Non-Media	0.0%	1	1.09%		259,932
90	TN	R		320200	Water Trmt Equip Filter Media	0.0%	1	33.69%		52,740
91	TN	R		330000	Dist Reservoirs & Standpipes	0.0%	1	2.08%		23,045
92	TN	R		330003	Tank Repainting	62.0%	1	11.08%		940,315
93	TN	R		330100	Elevated Tanks & Standpipes	6.0%	1	2.74%		90,599
94	TN	R		330200	Ground Level Tanks	32.0%	1	2.74%		485,065
95										
96	TN	S	Engineering Studies	331001	Transmission & Distribution Mains	0.0%	1	1.25%		0

**Tennessee American Water Company
Qualified Infrastructure Improvement Program
Economic Development Rider
Safety and Environmental Compliance Rider**

STRATEGIC CAPITAL EXPENDITURE PLAN PROGRAM

Business Unit	Tennessee
Revision Date	July 5, 2017
Description	TN BP 2018-2022 SCEP

[illegible]

Business Unit	Tennessee
Revision Date	July 5, 2017
Description	TN BP 2018-2022 SCEP

[illegible]

Tennessee American Water Company
Qualified Infrastructure Improvement Program
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STRATEGIC CAPITAL EXPENDITURE PLAN
PROGRAM

Business Unit Tennessee
Revision Date July 5, 2017
Description TN BP 2018-2022 SCEP

						Cumulative Balance of In-Serviced Plant, from 2018 Capex, by Period					
Line #	Business Unit No.		Project Title	Account	Account Description	1	2	3	4	5	6
1			RECURRING PROJECTS								
2	TN	DV	Projects Funded by Others	331001	Transmission & Distribution Mains	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
3	TN	DV		333000	Services	0	0	0	0	0	0
4	TN	DV		335000	Hydrants	0	0	0	0	0	0
5											
6	TN	A	Mains - New	331001	Transmission & Distribution Mains	942,209	1,004,290	1,073,728	1,152,364	1,233,298	1,318,832
7	TN	A		333000	Services	7,762	8,274	8,846	9,493	10,160	10,865
8	TN	A		334300	Meter Vaults	18,922	20,169	21,563	23,142	24,768	26,485
9	TN	A		335000	Hydrants	55,678	59,346	63,449	68,095	72,878	77,931
10											
11	TN	B	Mains - Replaced / Restored	331001	Transmission & Distribution Mains	5,046,904	5,135,237	5,250,070	5,369,320	5,510,654	5,660,820
12	TN	B		333000	Services	491,868	501,649	514,364	527,568	543,217	559,845
13	TN	B		335000	Hydrants	117,849	119,735	122,187	124,733	127,750	130,956
14											
15	TN	C	Mains - Unscheduled	331001	Transmission & Distribution Mains	6,104,451	6,214,842	6,320,737	6,426,632	6,530,029	6,630,430
16	TN	C		335000	Hydrants	5,078	5,188	5,293	5,397	5,500	5,599
17											
18	TN	D	Mains - Relocated	331001	Transmission & Distribution Mains	3,576,035	3,580,759	3,585,484	3,594,932	3,609,105	3,623,277
19	TN	D		333000	Services	48,244	48,308	48,373	48,502	48,696	48,890
20	TN	D		335000	Hydrants	156,385	156,595	156,806	157,228	157,860	158,492
21											
22	TN	E	Hydrants, Valves, and Manholes - New	331001	Transmission & Distribution Mains	192,816	199,514	208,306	217,934	228,818	243,889
23	TN	E		335000	Hydrants	71,395	72,697	74,406	76,278	78,393	81,323
24											
25	TN	F	Hydrants, Valves, and Manholes - Replaced	331001	Transmission & Distribution Mains	197,071	203,401	210,319	219,299	232,547	247,267
26	TN	F		335000	Hydrants	639,948	655,118	671,700	693,221	724,973	760,253
27											
28	TN	G	Services and Laterals - New	333000	Services	50,500	126,000	207,250	292,500	393,000	498,500
29											
30	TN	H	Services and Laterals - Replaced	333000	Services	1,892,777	1,927,365	1,972,034	2,028,562	2,112,760	2,197,057
31	TN	H		334100	Meters	17,252	17,664	18,195	18,868	19,869	20,872
32											
33	TN	I	Meters - New	334100	Meters	2,426	7,279	14,559	24,434	36,736	51,635
34	TN	I		334200	Meter Installations	2,574	7,721	15,441	25,916	38,964	54,765
35											
36	TN	J	Meters - Replaced	334100	Meters	605,021	619,806	642,132	671,924	716,501	761,211
37	TN	J		334200	Meter Installations	3,857,045	3,942,260	4,070,934	4,242,642	4,499,564	4,757,250
38											
39	TN	K	ITS Equipment and Systems	340200	Computer & Peripheral Equipment	0	0	0	0	0	0
40											
41	TN	L	SCADA Equipment and Systems	320100	WT Equip Non-Media	268,337	268,337	268,337	268,337	268,337	268,337
42	TN	L		340200	Computer & Peripheral Equipment	55,666	56,109	56,677	57,625	59,046	60,657
43	TN	L		346100	Comm Equip Non-Telephone	40,985	40,797	40,555	40,153	39,549	38,864
44	TN	L		346190	Remote Control & Instrument	731,617	738,362	747,034	761,488	783,168	807,739
45											
46	TN	M	Security Equipment and Systems	304100	Struct & Imp-Supply	20,400	20,659	21,177	21,694	22,470	23,764
47	TN	M		304200	Struct & Imp-Pumping	0	0	0	0	0	0
48	TN	M		304300	Structures & Improvement - Treatment	318,742	322,785	330,871	338,956	351,084	371,298

Tennessee American Water Company
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STRATEGIC CAPITAL EXPENDITURE PLAN
PROGRAM

Business Unit Tennessee
Revision Date July 5, 2017
Description TN BP 2018-2022 SCEP

						Cumulative Balance of In-Serviced Plant, from 2018 Capex, by Period					
Line #	Business Unit No.		Project Title	Account	Account Description	1	2	3	4	5	6
49	TN	M		304400	Struct & Imp-Treatment-T&D	49,400	50,027	51,280	52,533	54,413	57,546
50	TN	M		304500	Structures & Improvement - General	6,193	6,193	6,193	6,193	6,193	6,193
51	TN	M		340200	Computer & Peripheral Equipment	5,674	5,746	5,890	6,034	6,250	6,610
52											
53	TN	N	Offices and Operations Centers	304500	Structures & Improvement - General	0	0	0	0	0	0
54											
55	TN	O	Vehicles	341100	Transportation Equip Lt Duty Trucks	0	0	0	0	0	0
56	TN	O		341200	Transportation Equip Hvy Duty Trucks	0	0	0	0	0	0
57	TN	O		341300	Transportation Equip Autos	0	0	0	0	0	0
58											
59	TN	P	Tools and Equipment	343000	Tools, Shop, Garage Equipment	0	0	0	0	0	0
60											
61	TN	Q	Process Plant Facilities and Equipment	304100	Struct & Imp-Supply	714,486	721,371	728,255	735,140	742,240	749,770
62	TN	Q		304200	Struct & Imp-Pumping	836,841	846,736	856,631	866,526	876,730	887,553
63	TN	Q		304300	Struct & Imp-Treatment	152,618	154,423	156,227	158,032	159,893	161,867
64	TN	Q		304400	Struct & Imp-Treatment-T&D	25,784	26,089	26,393	26,698	27,013	27,346
65	TN	Q		304500	Structures & Improvement - General	61,489	62,216	62,943	63,670	64,420	65,215
66	TN	Q		304600	Struc & Imp-Offices	7,547	7,637	7,726	7,815	7,907	8,005
67	TN	Q		304700	Struct & Imp-Store,Shop,Garage	0	0	0	0	0	0
68	TN	Q		306000	Lake, River & Other Intakes	24,345	24,633	24,921	25,209	25,506	25,821
69	TN	Q		309000	Supply Mains	9,862	9,862	9,862	9,862	9,862	9,862
70	TN	Q		310000	Power Generation Equip	39,583	39,754	39,926	40,097	40,274	40,462
71	TN	Q		311200	Pump Eqp Electric	41,541	42,032	42,523	43,015	43,521	44,058
72	TN	Q		311520	Pumping Equipment SOS	1,742,534	1,761,769	1,781,003	1,800,237	1,820,073	1,841,110
73	TN	Q		320100	WT Equip Non-Media	2,652,863	2,679,782	2,706,702	2,733,621	2,761,382	2,790,825
74	TN	Q		320200	Water Trmt Equip Filter Media	927,094	938,056	949,018	959,980	971,285	983,275
75	TN	Q		330000	Dist Reservoirs & Standpipes	23,776	24,057	24,338	24,619	24,909	25,217
76	TN	Q		331001	Transmission & Distribution Mains	0	0	0	0	0	0
77	TN	Q		334100	Meters	0	0	0	0	0	0
78	TN	Q		340200	Computer & Peripheral Equipment	0	0	0	0	0	0
79	TN	Q		340300	Computer Software	99,833	101,013	102,194	103,374	104,592	105,883
80	TN	Q		340330	Computer Software Other	981	993	1,005	1,016	1,028	1,041
81	TN	Q		343000	Tools, Shop, Garage Equipment	3,307	3,347	3,386	3,425	3,465	3,508
82	TN	Q		344000	Laboratory Equipment	4,919	4,977	5,035	5,094	5,154	5,217
83	TN	Q		345000	Power Operated Equipment	41,655	42,147	42,640	43,132	43,640	44,179
84	TN	Q		346190	Remote Control & Instrument	6,129	6,201	6,273	6,346	6,421	6,500
85	TN	Q		347000	Misc Equipment	7,825	7,918	8,010	8,103	8,198	8,299
86											
87	TN	R	Capitalized Tank Rehabilitation/Painting	304300	Struct & Imp-Treatment	0	0	0	0	0	0
88	TN	R		304301	Struct & Imp-Treatment-Dpr Paint	1,250,689	1,250,689	1,250,689	1,250,689	1,250,689	1,250,689
89	TN	R		320100	WT Equip Non-Media	259,932	259,932	259,932	259,932	259,932	259,932
90	TN	R		320200	Water Trmt Equip Filter Media	52,740	52,740	52,740	52,740	52,740	52,740
91	TN	R		330000	Dist Reservoirs & Standpipes	23,052	23,059	23,066	23,077	23,087	23,102
92	TN	R		330003	Tank Repainting	971,324	1,002,333	1,033,342	1,079,856	1,126,370	1,188,388
93	TN	R		330100	Elevated Tanks & Standpipes	93,587	96,575	99,562	104,044	108,526	114,501
94	TN	R		330200	Ground Level Tanks	501,061	517,057	533,053	557,048	581,042	613,034
95											
96	TN	S	Engineering Studies	331001	Transmission & Distribution Mains	0	0	0	0	0	0

Tennessee American Water Company
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STRATEGIC CAPITAL EXPENDITURE PLAN
PROGRAM

Business Unit Tennessee
Revision Date July 5, 2017
Description TN BP 2018-2022 SCEP

Line #	Business Unit No.	Project Title	Account	Account Description	Cumulative Balance of In-Serviced Plant, from 2018 Capex, by Period					
					1	2	3	4	5	6
97		Total Recurring Projects								
98										
99		ACQUISITIONS								
100										
101		Total Acquisitions								
102										
103		CENTRALLY SPONSORED PROJECTS								
104	TN T26-0202	Business Transformation 2010 - 2014	340315	Computer Software Special Deprec Rate	0	0	0	0	0	0
105	TN T26-0203	Business Transformation 2010 - 2014	340315	Computer Software Special Deprec Rate	0	0	0	0	0	0
106		Total Centrally Sponsored Projects								
107										
108		INVESTMENT PROJECTS								
109	TN I26-020017	Electrical Motor Efficiency Enhancement (\$2.9)			0	0	0	0	0	0
110	TN I26-020027	Construct 1.0MG Tank & 2500-16" ER (\$1.0)			0	0	0	0	0	0
111	TN I26-020028	Citico Plant Improvements Phase 1B (\$8.6)	304300	Struct & Imp-Treatment	6,103,569	6,103,569	6,103,569	6,103,569	6,103,569	6,103,569
112	TN I26-020028		320100	WT Equip Non-Media	2,108,898	2,108,898	2,108,898	2,108,898	2,108,898	2,108,898
113	TN I26-020028		346190	Remote Control & Instrument	207,335	207,335	207,335	207,335	207,335	207,335
114	TN I26-020032	Wastewater Treatm't & Handling Impr (\$15.3)	304200	Struct & Imp-Pumping	0	0	0	0	0	0
115	TN I26-020032		304300	Struct & Imp-Treatment	4,141,710	4,141,710	4,141,710	4,141,710	4,141,710	4,141,710
116	TN I26-020032		304400	Struct & Imp-T&D	0	0	0	0	0	0
117	TN I26-020032		304500	Structures & Improvement - General	1,062,411	1,062,411	1,062,411	1,062,411	1,062,411	1,062,411
118	TN I26-020032		320100	WT Equip Non-Media	10,336,541	10,336,541	10,336,541	10,336,541	10,336,541	10,336,541
119	TN I26-020032		330200	Ground Level Tanks	0	0	0	0	0	0
120	TN I26-020032		347000	Misc Equipment	5,946	5,946	5,946	5,946	5,946	5,946
121	TN I26-020034	Tennessee River Crossing (\$2.5)	331001	Transmission & Distribution Mains	0	0	0	0	0	0
122	TN I26-020038	Retire Basin 1	304300	Struct & Imp-WT	0	0	0	0	0	0
123	TN I26-020039	Repl Basin 2 & Plate Settlers			0	0	0	0	0	0
124	TN I26-020040	Chlorine Gas Conversion			0	0	0	0	0	0
125	TN I26-020041	Electrical - Breakers and Relays (\$0.6)	311200	Pump Eqp Electric	0	0	0	0	0	0
126	TN I26-020042	Pumping Auxiliary Power (\$1.4)			0	0	0	0	0	0
127	TN I26-020043	Energy Reduction and Efficiency (\$0.87)			0	0	0	0	0	0
128	TN I26-020044	New Raw Water Intake Citico (\$13)			0	0	0	0	0	0
129	TN I26-020045	Remove Filter Bldg 3	304300	Struct & Imp-Treatment	0	0	159,824	159,824	159,824	159,824
130	TN I26-020046	New Field Services Facility (\$4.5)			0	0	0	0	0	0
131	TN I26-050001	Raw Water Intake Improvements Whitwell (\$2)			0	0	0	0	0	0
132	TN I26-050002	Facility Upgrades at Whitwell WTP (\$0.3)	320100	WT Equip Non-Media	63,811	63,811	63,811	63,811	63,811	63,811
133	TN I26-050002		346190	Remote Control & Instrument	286,295	286,295	286,295	286,295	286,295	286,295
134	TN I26-050003	Replace 0.5 MG Storage Tanks at Whitwell (\$0.5)			0	0	0	0	0	0
135	TN I26-050004	Replace 0.1 MG Storage Tank at Whitwell (\$0.3)	330200	Ground Level Tanks	254,153	254,153	254,153	254,153	254,153	254,153
136	TN I26-020002	Post Acquisition BD Capex			0	0	0	0	0	0
137	TN I26-000001	Whitwell Acquisition Capital Investment	331001	Transmission & Distribution Mains	0	0	0	0	0	0
138	TN I26-000001		320200	Water Trmt Equip Filter Media	0	0	0	0	0	0
139	TN I26-000001		311520	Pumping Equipment SOS	0	0	0	0	0	0
140	TN I26-000001		340200	Computer & Peripheral Equipment	0	0	0	0	0	0
141										
142		(1) Amounts not reflected in actuals through 2017 or		Total DV Included:						
143		projections based on project costs through 2018								

Economic Development Rider
Safety and Environmental Compliance Rider

STRATEGIC CAPITAL EXPENDITURE PLAN PROGRAM

Business Unit	Tennessee
Revision Date	July 5, 2017
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Tennessee American Water Company
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STRATEGIC CAPITAL EXPENDITURE PLAN
PROGRAM

Business Unit Tennessee
Revision Date July 5, 2017
Description TN BP 2018-2022 SCEP

						Cumulative Balance of In-Serviced Plant, from 2018 Capex, by Period					
Line #	Business Unit No.		Project Title	Account	Account Description	7	8	9	10	11	12
1			RECURRING PROJECTS								
2	TN	DV	Projects Funded by Others	331001	Transmission & Distribution Mains	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
3	TN	DV		333000	Services	0	0	0	0	0	0
4	TN	DV		335000	Hydrants	0	0	0	0	0	0
5											
6	TN	A	Mains - New	331001	Transmission & Distribution Mains	1,408,963	1,502,774	1,574,512	1,647,629	1,719,826	1,791,104
7	TN	A		333000	Services	11,607	12,380	12,971	13,573	14,168	14,755
8	TN	A		334300	Meter Vaults	28,295	30,179	31,620	33,088	34,538	35,969
9	TN	A		335000	Hydrants	83,257	88,800	93,039	97,359	101,625	105,836
10											
11	TN	B	Mains - Replaced / Restored	331001	Transmission & Distribution Mains	5,815,403	5,978,820	6,128,986	6,270,319	6,402,819	6,526,486
12	TN	B		333000	Services	576,961	595,056	611,683	627,333	642,004	655,697
13	TN	B		335000	Hydrants	134,257	137,746	140,952	143,969	146,798	149,438
14											
15	TN	C	Mains - Unscheduled	331001	Transmission & Distribution Mains	6,700,860	6,771,290	6,811,750	6,852,210	6,932,131	7,032,032
16	TN	C		335000	Hydrants	5,669	5,739	5,779	5,819	5,898	5,997
17											
18	TN	D	Mains - Relocated	331001	Transmission & Distribution Mains	3,642,174	3,656,347	3,665,795	3,675,243	3,679,968	3,679,968
19	TN	D		333000	Services	49,148	49,342	49,471	49,600	49,665	49,665
20	TN	D		335000	Hydrants	159,334	159,967	160,388	160,809	161,020	161,020
21											
22	TN	E	Hydrants, Valves, and Manholes - New	331001	Transmission & Distribution Mains	258,541	271,937	284,496	291,194	295,799	299,985
23	TN	E		335000	Hydrants	84,171	86,775	89,216	90,518	91,413	92,227
24											
25	TN	F	Hydrants, Valves, and Manholes - Replaced	331001	Transmission & Distribution Mains	263,459	279,062	292,604	303,203	310,857	315,568
26	TN	F		335000	Hydrants	799,061	836,457	868,915	894,316	912,662	923,952
27											
28	TN	G	Services and Laterals - New	333000	Services	603,750	685,000	786,000	867,000	942,500	993,000
29											
30	TN	H	Services and Laterals - Replaced	333000	Services	2,278,291	2,342,724	2,397,275	2,439,770	2,469,417	2,495,359
31	TN	H		334100	Meters	21,838	22,605	23,254	23,759	24,112	24,420
32											
33	TN	I	Meters - New	334100	Meters	68,790	83,518	95,650	105,356	110,500	115,353
34	TN	I		334200	Meter Installations	72,960	88,582	101,450	111,744	117,200	122,347
35											
36	TN	J	Meters - Replaced	334100	Meters	805,567	849,922	882,383	908,996	923,781	931,174
37	TN	J		334200	Meter Installations	5,012,894	5,268,538	5,455,623	5,609,010	5,694,224	5,736,832
38											
39	TN	K	ITS Equipment and Systems	340200	Computer & Peripheral Equipment	0	0	0	0	0	0
40											
41	TN	L	SCADA Equipment and Systems	320100	WT Equip Non-Media	268,337	268,337	268,337	268,337	268,337	268,337
42	TN	L		340200	Computer & Peripheral Equipment	62,046	63,310	64,257	64,889	65,205	65,457
43	TN	L		346100	Comm Equip Non-Telephone	38,274	37,737	37,334	37,066	36,932	36,824
44	TN	L		346190	Remote Control & Instrument	828,938	848,209	862,663	872,299	877,116	880,971
45											
46	TN	M	Security Equipment and Systems	304100	Struct & Imp-Supply	25,058	26,351	26,869	27,386	27,904	28,033
47	TN	M		304200	Struct & Imp-Pumping	0	0	0	0	0	0
48	TN	M		304300	Structures & Improvement - Treatment	391,512	411,725	419,811	427,896	435,981	438,003

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STRATEGIC CAPITAL EXPENDITURE PLAN
PROGRAM

Business Unit Tennessee
Revision Date July 5, 2017
Description TN BP 2018-2022 SCEP

Cumulative Balance of In-Serviced Plant, from 2018 Capex, by Period

Line #	Business Unit No.		Project Title	Account	Account Description	7	8	9	10	11	12
49	TN	M		304400	Struct & Imp-Treatment-T&D	60,678	63,811	65,064	66,317	67,571	67,884
50	TN	M		304500	Structures & Improvement - General	6,193	6,193	6,193	6,193	6,193	6,193
51	TN	M		340200	Computer & Peripheral Equipment	6,970	7,330	7,474	7,618	7,762	7,798
52											
53	TN	N	Offices and Operations Centers	304500	Structures & Improvement - General	0	0	0	0	0	0
54											
55	TN	O	Vehicles	341100	Transportation Equip Lt Duty Trucks	0	0	0	0	0	0
56	TN	O		341200	Transportation Equip Hvy Duty Trucks	0	0	0	0	0	0
57	TN	O		341300	Transportation Equip Autos	0	0	0	0	0	0
58											
59	TN	P	Tools and Equipment	343000	Tools, Shop, Garage Equipment	0	0	0	0	0	0
60											
61	TN	Q	Process Plant Facilities and Equipment	304100	Struct & Imp-Supply	757,515	765,260	772,145	779,030	785,914	788,711
62	TN	Q		304200	Struct & Imp-Pumping	898,685	909,817	919,712	929,607	939,502	943,521
63	TN	Q		304300	Struct & Imp-Treatment	163,897	165,927	167,731	169,536	171,341	172,074
64	TN	Q		304400	Struct & Imp-Treatment-T&D	27,689	28,032	28,337	28,642	28,947	29,071
65	TN	Q		304500	Structures & Improvement - General	66,033	66,851	67,578	68,305	69,032	69,327
66	TN	Q		304600	Struc & Imp-Offices	8,105	8,206	8,295	8,384	8,473	8,510
67	TN	Q		304700	Struct & Imp-Store,Shop,Garage	0	0	0	0	0	0
68	TN	Q		306000	Lake, River & Other Intakes	26,145	26,468	26,756	27,044	27,332	27,449
69	TN	Q		309000	Supply Mains	9,862	9,862	9,862	9,862	9,862	9,862
70	TN	Q		310000	Power Generation Equip	40,655	40,848	41,020	41,192	41,363	41,433
71	TN	Q		311200	Pump Eqp Electric	44,611	45,164	45,655	46,146	46,637	46,837
72	TN	Q		311520	Pumping Equipment SOS	1,862,749	1,884,387	1,903,622	1,922,856	1,942,090	1,949,904
73	TN	Q		320100	WT Equip Non-Media	2,821,110	2,851,394	2,878,314	2,905,233	2,932,153	2,943,089
74	TN	Q		320200	Water Trmt Equip Filter Media	995,607	1,007,939	1,018,902	1,029,864	1,040,826	1,045,279
75	TN	Q		330000	Dist Reservoirs & Standpipes	25,533	25,849	26,130	26,412	26,693	26,807
76	TN	Q		331001	Transmission & Distribution Mains	0	0	0	0	0	0
77	TN	Q		334100	Meters	0	0	0	0	0	0
78	TN	Q		340200	Computer & Peripheral Equipment	0	0	0	0	0	0
79	TN	Q		340300	Computer Software	107,211	108,539	109,719	110,900	112,080	112,560
80	TN	Q		340330	Computer Software Other	1,054	1,067	1,079	1,090	1,102	1,106
81	TN	Q		343000	Tools, Shop, Garage Equipment	3,552	3,596	3,635	3,674	3,713	3,729
82	TN	Q		344000	Laboratory Equipment	5,283	5,348	5,406	5,464	5,523	5,546
83	TN	Q		345000	Power Operated Equipment	44,733	45,287	45,780	46,272	46,765	46,965
84	TN	Q		346190	Remote Control & Instrument	6,581	6,663	6,735	6,808	6,880	6,910
85	TN	Q		347000	Misc Equipment	8,403	8,507	8,600	8,692	8,785	8,823
86											
87	TN	R	Capitalized Tank Rehabilitation/Painting	304300	Struct & Imp-Treatment	0	0	0	0	0	0
88	TN	R		304301	Struct & Imp-Treatment-Dpr Paint	1,250,689	1,250,689	1,250,689	1,250,689	1,250,689	1,250,689
89	TN	R		320100	WT Equip Non-Media	259,932	259,932	259,932	259,932	259,932	259,932
90	TN	R		320200	Water Trmt Equip Filter Media	52,740	52,740	52,740	52,740	52,740	52,740
91	TN	R		330000	Dist Reservoirs & Standpipes	23,130	23,144	23,159	23,173	23,180	23,186
92	TN	R		330003	Tank Repainting	1,312,424	1,377,543	1,439,561	1,501,580	1,532,589	1,560,497
93	TN	R		330100	Elevated Tanks & Standpipes	126,452	132,726	138,702	144,677	147,665	150,354
94	TN	R		330200	Ground Level Tanks	677,019	710,611	742,603	774,595	790,591	804,988
95											
96	TN	S	Engineering Studies	331001	Transmission & Distribution Mains	0	0	0	0	0	0

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PROGRAM

Business Unit Tennessee
Revision Date July 5, 2017
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					Cumulative Balance of In-Serviced Plant, from 2018 Capex, by Period						
Line #	Business Unit No.		Project Title	Account	Account Description	7	8	9	10	11	12
97			Total Recurring Projects								
98											
99			ACQUISITIONS								
100											
101			Total Acquisitions								
102											
103			CENTRALLY SPONSORED PROJECTS								
104	TN	T26-0202	Business Transformation 2010 - 2014	340315	Computer Software Special Deprec Rate	0	0	0	0	0	0
105	TN	T26-0203	Business Transformation 2010 - 2014	340315	Computer Software Special Deprec Rate	0	0	0	0	0	0
106			Total Centrally Sponsored Projects								
107											
108			INVESTMENT PROJECTS								
109	TN	I26-020017	Electrical Motor Efficiency Enhancement (\$2.9)			0	0	0	0	0	0
110	TN	I26-020027	Construct 1.0MG Tank & 2500-16" ER (\$1.0)			0	0	0	0	0	0
111	TN	I26-020028	Citico Plant Improvements Phase 1B (\$8.6)	304300	Struct & Imp-Treatment	6,103,569	6,103,569	6,103,569	6,103,569	6,103,569	6,103,569
112	TN	I26-020028		320100	WT Equip Non-Media	2,108,898	2,108,898	2,108,898	2,108,898	2,108,898	2,108,898
113	TN	I26-020028		346190	Remote Control & Instrument	207,335	207,335	207,335	207,335	207,335	207,335
114	TN	I26-020032	Wastewater Treatm't & Handling Impr (\$15.3)	304200	Struct & Imp-Pumping	0	0	0	0	0	0
115	TN	I26-020032		304300	Struct & Imp-Treatment	4,141,710	4,141,710	4,141,710	4,141,710	4,141,710	4,141,710
116	TN	I26-020032		304400	Struct & Imp-T&D	0	0	0	0	0	0
117	TN	I26-020032		304500	Structures & Improvement - General	1,062,411	1,062,411	1,062,411	1,062,411	1,062,411	1,062,411
118	TN	I26-020032		320100	WT Equip Non-Media	10,336,541	10,336,541	10,336,541	10,336,541	10,336,541	10,336,541
119	TN	I26-020032		330200	Ground Level Tanks	0	0	0	0	0	0
120	TN	I26-020032		347000	Misc Equipment	5,946	5,946	5,946	5,946	5,946	5,946
121	TN	I26-020034	Tennessee River Crossing (\$2.5)	331001	Transmission & Distribution Mains	0	0	0	0	0	2,414,209
122	TN	I26-020038	Retire Basin 1	304300	Struct & Imp-WT	0	0	0	0	0	0
123	TN	I26-020039	Repl Basin 2 & Plate Settlers			0	0	0	0	0	0
124	TN	I26-020040	Chlorine Gas Conversion			0	0	0	0	0	0
125	TN	I26-020041	Electrical - Breakers and Relays (\$0.6)	311200	Pump Eqp Electric	0	0	0	0	0	0
126	TN	I26-020042	Pumping Auxiliary Power (\$1.4)			0	0	0	0	0	0
127	TN	I26-020043	Energy Reduction and Efficiency (\$0.87)			0	0	0	0	0	0
128	TN	I26-020044	New Raw Water Intake Citico (\$13)			0	0	0	0	0	0
129	TN	I26-020045	Remove Filter Bldg 3	304300	Struct & Imp-Treatment	159,824	159,824	159,824	159,824	159,824	159,824
130	TN	I26-020046	New Field Services Facility (\$4.5)			0	0	0	0	0	0
131	TN	I26-050001	Raw Water Intake Improvements Whitwell (\$2)			0	0	0	0	0	0
132	TN	I26-050002	Facility Upgrades at Whitwell WTP (\$0.3)	320100	WT Equip Non-Media	63,811	63,811	63,811	63,811	63,811	63,811
133	TN	I26-050002		346190	Remote Control & Instrument	286,295	286,295	286,295	286,295	286,295	286,295
134	TN	I26-050003	Replace 0.5 MG Storage Tanks at Whitwell (\$5)			0	0	0	0	0	0
135	TN	I26-050004	Replace 0.1 MG Storage Tank at Whitwell (\$0.3)	330200	Ground Level Tanks	254,153	254,153	254,153	254,153	254,153	254,153
136	TN	I26-020002	Post Acquisition BD Capex			0	0	0	0	0	0
137	TN	I26-000001	Whitwell Acquisition Capital Investment	331001	Transmission & Distribution Mains	0	0	0	0	0	0
138	TN	I26-000001		320200	Water Trmt Equip Filter Media	0	0	0	0	0	0
139	TN	I26-000001		311520	Pumping Equipment SOS	0	0	0	0	0	0
140	TN	I26-000001		340200	Computer & Peripheral Equipment	0	0	0	0	0	0
141											
142			(1) Amounts not reflected in actuals through 2017 or		Total DV Included:						73,592,283
143			projections based on project costs through 2018								

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STRATEGIC CAPITAL EXPENDITURE PLAN PROGRAM

Business Unit	Tennessee
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Tennessee American Water Company
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STRATEGIC CAPITAL EXPENDITURE PLAN
PROGRAM

Business Unit Tennessee
Revision Date July 5, 2017
Description TN BP 2018-2022 SCEP

2018

Line #	Business Unit No.	Project Title	Account	Account Description	Surcharge	Average Plant in Service	Average Retirements (Replacement Projects Only)	Average CIAC	Depreciation Expense	Average Cost of Removal Less Salvage
1		RECURRING PROJECTS								
2	TN	DV	Projects Funded by Others	331001	Transmission & Distribution Mains	\$ -	\$ -	\$ -	\$ -	\$ -
3	TN	DV		333000	Services	0	0	0	0	0
4	TN	DV		335000	Hydrants	0	0	0	0	0
5										
6	TN	A	Mains - New	331001	Transmission & Distribution Mains	EDI 1,328,842	0	0	16,611	0
7	TN	A		333000	Services	EDI 10,947	0	0	122	0
8	TN	A		334300	Meter Vaults	EDI 26,686	0	0	729	0
9	TN	A		335000	Hydrants	EDI 78,523	0	0	1,806	0
10										
11	TN	B	Mains - Replaced / Restored	331001	Transmission & Distribution Mains	QIIP 5,699,890	(305,818)	0	67,426	81,098
12	TN	B		333000	Services	QIIP 564,171	(510)	0	6,257	59,108
13	TN	B		335000	Hydrants	QIIP 131,790	(1,638)	0	2,994	739
14										
15	TN	C	Mains - Unscheduled	331001	Transmission & Distribution Mains	QIIP 6,563,957	(461,417)	0	76,282	715,873
16	TN	C		335000	Hydrants	QIIP 5,534	0	0	127	0
17										
18	TN	D	Mains - Relocated	331001	Transmission & Distribution Mains	QIIP 3,626,548	(144,096)	(2,133,047)	16,868	127,654
19	TN	D		333000	Services	QIIP 48,934	0	(29,877)	212	49,770
20	TN	D		335000	Hydrants	QIIP 158,638	(65,099)	(115,923)	(515)	0
21										
22	TN	E	Hydrants, Valves, and Manholes - New	331001	Transmission & Distribution Mains	EDI 244,758	0	0	3,059	0
23	TN	E		335000	Hydrants	EDI 81,492	(1,180)	(22,345)	1,333	1,248
24										
25	TN	F	Hydrants, Valves, and Manholes - Replaced	331001	Transmission & Distribution Mains	QIIP 251,230	(25,517)	0	2,821	62,588
26	TN	F		335000	Hydrants	QIIP 769,751	(63,830)	(5,500)	16,110	31,583
27										
28	TN	G	Services and Laterals - New	333000	Services	495,769	0	0	5,503	0
29										
30	TN	H	Services and Laterals - Replaced	333000	Services	QIIP 2,186,608	(88,467)	0	23,289	569,005
31	TN	H		334100	Meters	QIIP 20,748	(10,504)	0	765	14,808
32										
33	TN	I	Meters - New	334100	Meters	55,095	0	0	4,116	0
34	TN	I		334200	Meter Installations	58,436	0	0	1,595	0
35										
36	TN	J	Meters - Replaced	334100	Meters	QIIP 762,773	(2,043,303)	0	(95,656)	234,110
37	TN	J		334200	Meter Installations	QIIP 4,766,250	(574,914)	0	114,423	845,370
38										
39	TN	K	ITS Equipment and Systems	340200	Computer & Peripheral Equipment	0	0	0	0	0
40										
41	TN	L	SCADA Equipment and Systems	320100	WT Equip Non-Media	SEC 268,337	(12,365)	0	2,790	5,933
42	TN	L		340200	Computer & Peripheral Equipment	SEC 60,484	0	0	1,325	2,449
43	TN	L		346100	Comm Equip Non-Telephone	SEC 38,938	0	0	1,639	0
44	TN	L		346190	Remote Control & Instrument	SEC 805,108	(86,308)	0	30,261	52,132
45										
46	TN	M	Security Equipment and Systems	304100	Struct & Imp-Supply	SEC 24,003	0	0	475	0
47	TN	M		304200	Struct & Imp-Pumping	SEC 0	(10,202)	0	(202)	0
48	TN	M		304300	Structures & Improvement - Treatment	SEC 375,030	(6,763)	0	15,136	12,094

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STRATEGIC CAPITAL EXPENDITURE PLAN
PROGRAM

Business Unit Tennessee
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Description TN BP 2018-2022 SCEP

2018

Line #	Business Unit No.		Project Title	Account	Account Description	Surcharge	Average Plant in Service	Average Retirements (Replacement Projects Only)	Average CIAC	Depreciation Expense	Average Cost of Removal Less Salvage
49	TN	M		304400	Struct & Imp-Treatment-T&D	SEC	58,124	0	0	1,238	0
50	TN	M		304500	Structures & Improvement - General	SEC	6,193	0	0	70	0
51	TN	M		340200	Computer & Peripheral Equipment	SEC	6,677	0	0	146	0
52											
53	TN	N	Offices and Operations Centers	304500	Structures & Improvement - General		0	0	0	0	0
54											
55	TN	O	Vehicles	341100	Transportation Equip Lt Duty Trucks		0	0	0	0	0
56	TN	O		341200	Transportation Equip Hvy Duty Trucks		0	0	0	0	0
57	TN	O		341300	Transportation Equip Autos		0	0	0	0	0
58											
59	TN	P	Tools and Equipment	343000	Tools, Shop, Garage Equipment		0	0	0	0	0
60											
61	TN	Q	Process Plant Facilities and Equipment	304100	Struct & Imp-Supply	SEC	750,150	0	0	14,853	874
62	TN	Q		304200	Struct & Imp-Pumping	SEC	888,100	(24,007)	0	17,109	34,372
63	TN	Q		304300	Struct & Imp-Treatment	SEC	161,966	(16,664)	0	5,972	2,250
64	TN	Q		304400	Struct & Imp-Treatment-T&D	SEC	27,363	0	0	583	0
65	TN	Q		304500	Structures & Improvement - General	SEC	65,255	0	0	737	277
66	TN	Q		304600	Struc & Imp-Offices	SEC	8,010	0	0	91	0
67	TN	Q		304700	Struct & Imp-Store,Shop,Garage	SEC	0	(7,869)	0	(57)	1
68	TN	Q		306000	Lake, River & Other Intakes	SEC	25,837	0	0	214	313
69	TN	Q		309000	Supply Mains	SEC	9,862	0	0	184	0
70	TN	Q		310000	Power Generation Equip	SEC	40,472	0	0	4,990	115
71	TN	Q		311200	Pump Eqp Electric	SEC	44,086	(140,180)	0	(2,354)	41,888
72	TN	Q		311520	Pumping Equipment SOS	SEC	1,842,174	(68,500)	0	32,458	35,050
73	TN	Q		320100	WT Equip Non-Media	SEC	2,792,314	(512,230)	0	24,853	329,061
74	TN	Q		320200	Water Trmt Equip Filter Media	SEC	983,881	(379,575)	0	203,591	413,468
75	TN	Q		330000	Dist Reservoirs & Standpipes	SEC	25,232	(0)	0	525	0
76	TN	Q		331001	Transmission & Distribution Mains	SEC	0	(1,011)	0	(13)	0
77	TN	Q		334100	Meters	SEC	0	0	0	0	0
78	TN	Q		340200	Computer & Peripheral Equipment	SEC	0	(0)	0	(0)	105
79	TN	Q		340300	Computer Software	SEC	105,948	0	0	1,939	0
80	TN	Q		340330	Computer Software Other	SEC	1,041	0	0	19	0
81	TN	Q		343000	Tools, Shop, Garage Equipment	SEC	3,510	(2,883)	0	43	0
82	TN	Q		344000	Laboratory Equipment	SEC	5,220	(150,002)	0	(1,462)	1,298
83	TN	Q		345000	Power Operated Equipment	SEC	44,206	(12,028)	0	2,262	1,787
84	TN	Q		346190	Remote Control & Instrument	SEC	6,504	(3,305)	0	135	0
85	TN	Q		347000	Misc Equipment	SEC	8,304	(4,015)	0	272	3,367
86									0		
87	TN	R	Capitalized Tank Rehabilitation/Painting	304300	Struct & Imp-Treatment	QIIP	0	(94,900)	0	(3,900)	0
88	TN	R		304301	Struct & Imp-Treatment-Dpr Paint	QIIP	1,250,689	(170,157)	0	130,312	661,770
89	TN	R		320100	WT Equip Non-Media	QIIP	259,932	(123,785)	0	1,484	89,500
90	TN	R		320200	Water Trmt Equip Filter Media	QIIP	52,740	(36,378)	0	5,512	206,460
91	TN	R		330000	Dist Reservoirs & Standpipes	QIIP	23,112	0	0	481	0
92	TN	R		330003	Tank Repainting	QIIP	1,235,856	(145,750)	0	120,784	273,838
93	TN	R		330100	Elevated Tanks & Standpipes	QIIP	119,074	0	0	3,263	0
94	TN	R		330200	Ground Level Tanks	QIIP	637,521	(446)	0	17,456	977
95											
96	TN	S	Engineering Studies	331001	Transmission & Distribution Mains		0	0	0	0	0

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STRATEGIC CAPITAL EXPENDITURE PLAN PROGRAM

Business Unit	Tennessee
Revision Date	July 5, 2017
Description	TN BP 2018-2022 SCEP

2018

Line #	Business Unit No.		Project Title	Account	Account Description	Surcharge	Average Plant in Service	Average Retirements (Replacement Projects Only)	Average CIAC	Depreciation Expense	Average Cost of Removal Less Salvage
97			Total Recurring Projects								
98											
99			ACQUISITIONS								
100											
101			Total Acquisitions								
102											
103			CENTRALLY SPONSORED PROJECTS								
104	TN	T26-0202	Business Transformation 2010 - 2014	340315	Computer Software Special Deprec Rate		0			0	
105	TN	T26-0203	Business Transformation 2010 - 2014	340315	Computer Software Special Deprec Rate		0			0	
106			Total Centrally Sponsored Projects								
107											
108			INVESTMENT PROJECTS								
109	TN	I26-020017	Electrical Motor Efficiency Enhancement (\$2.9)			SEC	0			0	
110	TN	I26-020027	Construct 1.0MG Tank & 2500-16" ER (\$1.0)			SEC	0			0	
111	TN	I26-020028	Citico Plant Improvements Phase 1B (\$8.6)	304300	Struct & Imp-Treatment	QIIP	6,103,569	0		250,857	0
112	TN	I26-020028		320100	WT Equip Non-Media	QIIP	2,108,898	(47,846)		22,465	850,267
113	TN	I26-020028		346190	Remote Control & Instrument	QIIP	207,335	0		8,729	0
114	TN	I26-020032	Wastewater Treatm't & Handling Impr (\$15.3)	304200	Struct & Imp-Pumping	SEC	0	(14,622)		(290)	243,354
115	TN	I26-020032		304300	Struct & Imp-Treatment	SEC	4,141,710	(54,346)		167,991	1,535,662
116	TN	I26-020032		304400	Struct & Imp-T&D	SEC	0	0		0	0
117	TN	I26-020032		304500	Structures & Improvement - General	SEC	1,062,411	0		12,005	0
118	TN	I26-020032		320100	WT Equip Non-Media	SEC	10,336,541	(305)		112,665	577
119	TN	I26-020032		330200	Ground Level Tanks	SEC	0	0		0	0
120	TN	I26-020032		347000	Misc Equipment	SEC	5,946	0		376	0
121	TN	I26-020034	Tennessee River Crossing (\$2.5)	331001	Transmission & Distribution Mains	QIIP	185,708			2,321	
122	TN	I26-020038	Retire Basin 1	304300	Struct & Imp-WT	QIIP	0			0	
123	TN	I26-020039	Repl Basin 2 & Plate Settlers			QIIP	0			0	
124	TN	I26-020040	Chlorine Gas Conversion			SEC	0			0	
125	TN	I26-020041	Electrical - Breakers and Relays (\$0.6)	311200	Pump Eqp Electric	QIIP	0			0	
126	TN	I26-020042	Pumping Auxiliary Power (\$1.4)			SEC	0			0	
127	TN	I26-020043	Energy Reduction and Efficiency (\$0.87)			QIIP	0			0	
128	TN	I26-020044	New Raw Water Intake Citico (\$13)			SEC	0			0	
129	TN	I26-020045	Remove Filter Bldg 3	304300	Struct & Imp-Treatment	QIIP	122,941	(1,805) (1)		4,979	335,769 (1)
130	TN	I26-020046	New Field Services Facility (\$4.5)				0			0	
131	TN	I26-050001	Raw Water Intake Improvements Whitwell (\$2)			SEC	0			0	
132	TN	I26-050002	Facility Upgrades at Whitwell WTP (\$0.3)	320100	WT Equip Non-Media	SEC	63,811	(18,824) (1)		490	30,000 (1)
133	TN	I26-050002		346190	Remote Control & Instrument	SEC	286,295			12,053	
134	TN	I26-050003	Replace 0.5 MG Storage Tanks at Whitwell (\$.5)			SEC	0			0	
135	TN	I26-050004	Replace 0.1 MG Storage Tank at Whitwell (\$0.3)	330200	Ground Level Tanks	SEC	234,603	(1,500) (1)		6,387	50,000 (1)
136	TN	I26-020002	Post Acquisition BD Capex				0			0	
137	TN	I26-000001	Whitwell Acquisition Capital Investment	331001	Transmission & Distribution Mains	QIIP	0			0	
138	TN	I26-000001		320200	Water Trmt Equip Filter Media	QIIP	0			0	
139	TN	I26-000001		311520	Pumping Equipment SOS	QIIP	0			0	
140	TN	I26-000001		340200	Computer & Peripheral Equipment	QIIP	0			0	
141											
142	(1) Amounts not reflected in actuals through 2017 or projections based on project costs through 2018			Total DV Included:			\$ 65,858,391	\$ (5,934,865)	\$ (2,306,691)	\$ 1,502,518	\$ 8,007,963
143											

**Tennessee American Water Company
Qualified Infrastructure Improvement Program
Economic Development Rider
Safety and Environmental Compliance Rider**

STRATEGIC CAPITAL EXPENDITURE PLAN PROGRAM

Business Unit	Tennessee
Revision Date	July 5, 2017
Description	TN BP 2018-2022 SCEP

2018

[illegible]

Tennessee American Water Company
Qualified Infrastructure Improvement Program
Economic Development Rider
Safety and Environmental Compliance Rider

STRATEGIC CAPITAL EXPENDITURE PLAN
PROGRAM

Business Unit Tennessee
Revision Date July 5, 2017
Description TN BP 2018-2022 SCEP

Line #	Business Unit No.		Project Title	Account	Account Description	Tax Depr class life	Y1 Tax Depr Rate (3)	Y2 Tax Depr Rate (3)	Y3 Tax Depr Rate (3)	Y4 Tax Depr Rate (3)	Y5 Tax Depr Rate (3)	Tax Depreciation	Tax over Book Depreciation
1			RECURRING PROJECTS										
2	TN	DV	Projects Funded by Others	331001	Transmission & Distribution Mains	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%	0	0
3	TN	DV		333000	Services	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%	0	0
4	TN	DV		335000	Hydrants	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%	0	0
5													
6	TN	A	Mains - New	331001	Transmission & Distribution Mains	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%	53,930	37,320
7	TN	A		333000	Services	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%	444	323
8	TN	A		334300	Meter Vaults	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%	1,083	355
9	TN	A		335000	Hydrants	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%	3,187	1,381
10													
11	TN	B	Mains - Replaced / Restored	331001	Transmission & Distribution Mains	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%	230,584	163,159
12	TN	B		333000	Services	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%	22,853	16,597
13	TN	B		335000	Hydrants	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%	5,327	2,333
14													
15	TN	C	Mains - Unscheduled	331001	Transmission & Distribution Mains	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%	260,722	184,440
16	TN	C		335000	Hydrants	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%	220	92
17													
18	TN	D	Mains - Relocated	331001	Transmission & Distribution Mains	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%	125,382	108,515
19	TN	D		333000	Services	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%	1,958	1,747
20	TN	D		335000	Hydrants	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%	6,348	6,863
21													
22	TN	E	Hydrants, Valves, and Manholes - New	331001	Transmission & Distribution Mains	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%	9,772	6,713
23	TN	E		335000	Hydrants	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%	3,102	1,769
24													
25	TN	F	Hydrants, Valves, and Manholes - Replaced	331001	Transmission & Distribution Mains	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%	10,138	7,317
26	TN	F		335000	Hydrants	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%	31,003	14,893
27													
28	TN	G	Services and Laterals - New	333000	Services	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%	19,860	14,357
29													
30	TN	H	Services and Laterals - Replaced	333000	Services	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%	87,358	64,068
31	TN	H		334100	Meters	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%	829	63
32													
33	TN	I	Meters - New	334100	Meters	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%	2,307	(1,809)
34	TN	I		334200	Meter Installations	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%	2,447	852
35													
36	TN	J	Meters - Replaced	334100	Meters	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%	30,576	126,232
37	TN	J		334200	Meter Installations	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%	191,025	76,602
38													
39	TN	K	ITS Equipment and Systems	340200	Computer & Peripheral Equipment	5 yr	20.000%	32.000%	19.200%	11.520%	11.520%	0	0
40													
41	TN	L	SCADA Equipment and Systems	320100	WT Equip Non-Media	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%	10,733	7,943
42	TN	L		340200	Computer & Peripheral Equipment	5 yr	20.000%	32.000%	19.200%	11.520%	11.520%	13,419	12,095
43	TN	L		346100	Comm Equip Non-Telephone	5 yr	20.000%	32.000%	19.200%	11.520%	11.520%	3,878	2,239
44	TN	L		346190	Remote Control & Instrument	5 yr	20.000%	32.000%	19.200%	11.520%	11.520%	157,217	126,955
45													
46	TN	M	Security Equipment and Systems	304100	Struct & Imp-Supply	39 yr	1.282%	2.564%	2.564%	2.564%	2.564%	619	144
47	TN	M		304200	Struct & Imp-Pumping	39 yr	1.282%	2.564%	2.564%	2.564%	2.564%	0	202
48	TN	M		304300	Structures & Improvement - Treatment	39 yr	1.282%	2.564%	2.564%	2.564%	2.564%	9,676	(5,460)

Tennessee American Water Company
Qualified Infrastructure Improvement Program
Economic Development Rider
Safety and Environmental Compliance Rider

STRATEGIC CAPITAL EXPENDITURE PLAN
PROGRAM

Business Unit Tennessee
Revision Date July 5, 2017
Description TN BP 2018-2022 SCEP

Line #	Business Unit No.		Project Title	Account	Account Description	Tax Depr class life	Y1 Tax Depr Rate (3)	Y2 Tax Depr Rate (3)	Y3 Tax Depr Rate (3)	Y4 Tax Depr Rate (3)	Y5 Tax Depr Rate (3)	Tax Depreciation	Tax over Book Depreciation
49	TN	M		304400	Struct & Imp-Treatment-T&D	39 yr	1.282%	2.564%	2.564%	2.564%	2.564%	1,500	262
50	TN	M		304500	Structures & Improvement - General	39 yr	1.282%	2.564%	2.564%	2.564%	2.564%	159	89
51	TN	M		340200	Computer & Peripheral Equipment	5 yr	20.000%	32.000%	19.200%	11.520%	11.520%	2,236	2,090
52													
53	TN	N	Offices and Operations Centers	304500	Structures & Improvement - General	39 yr	1.282%	2.564%	2.564%	2.564%	2.564%	0	0
54													
55	TN	O	Vehicles	341100	Transportation Equip Lt Duty Trucks	5 yr	20.000%	32.000%	19.200%	11.520%	11.520%	0	0
56	TN	O		341200	Transportation Equip Hvy Duty Trucks	5 yr	20.000%	32.000%	19.200%	11.520%	11.520%	0	0
57	TN	O		341300	Transportation Equip Autos	5 yr	20.000%	32.000%	19.200%	11.520%	11.520%	0	0
58													
59	TN	P	Tools and Equipment	343000	Tools, Shop, Garage Equipment	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%	0	0
60													
61	TN	Q	Process Plant Facilities and Equipment	304100	Struct & Imp-Supply	39 yr	1.282%	2.564%	2.564%	2.564%	2.564%	19,241	4,388
62	TN	Q		304200	Struct & Imp-Pumping	39 yr	1.282%	2.564%	2.564%	2.564%	2.564%	22,781	5,672
63	TN	Q		304300	Struct & Imp-Treatment	39 yr	1.282%	2.564%	2.564%	2.564%	2.564%	4,155	(1,817)
64	TN	Q		304400	Struct & Imp-Treatment-T&D	39 yr	1.282%	2.564%	2.564%	2.564%	2.564%	702	119
65	TN	Q		304500	Structures & Improvement - General	39 yr	1.282%	2.564%	2.564%	2.564%	2.564%	1,674	936
66	TN	Q		304600	Struc & Imp-Offices	39 yr	1.282%	2.564%	2.564%	2.564%	2.564%	205	115
67	TN	Q		304700	Struct & Imp-Store,Shop,Garage	39 yr	1.282%	2.564%	2.564%	2.564%	2.564%	0	57
68	TN	Q		306000	Lake, River & Other Intakes	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%	1,034	819
69	TN	Q		309000	Supply Mains	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%	394	210
70	TN	Q		310000	Power Generation Equip	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%	1,619	(3,371)
71	TN	Q		311200	Pump Eqp Electric	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%	1,764	4,118
72	TN	Q		311520	Pumping Equipment SOS	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%	73,717	41,258
73	TN	Q		320100	WT Equip Non-Media	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%	111,734	86,881
74	TN	Q		320200	Water Trmt Equip Filter Media	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%	39,372	(164,218)
75	TN	Q		330000	Dist Reservoirs & Standpipes	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%	1,010	485
76	TN	Q		331001	Transmission & Distribution Mains	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%	0	13
77	TN	Q		334100	Meters	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%	0	0
78	TN	Q		340200	Computer & Peripheral Equipment	5 yr	20.000%	32.000%	19.200%	11.520%	11.520%	0	0
79	TN	Q		340300	Computer Software	5 yr	20.000%	32.000%	19.200%	11.520%	11.520%	34,443	32,504
80	TN	Q		340330	Computer Software Other	5 yr	20.000%	32.000%	19.200%	11.520%	11.520%	339	320
81	TN	Q		343000	Tools, Shop, Garage Equipment	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%	140	97
82	TN	Q		344000	Laboratory Equipment	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%	209	1,671
83	TN	Q		345000	Power Operated Equipment	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%	1,769	(493)
84	TN	Q		346190	Remote Control & Instrument	5 yr	20.000%	32.000%	19.200%	11.520%	11.520%	1,397	1,263
85	TN	Q		347000	Misc Equipment	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%	332	61
86													
87	TN	R	Capitalized Tank Rehabilitation/Painting	304300	Struct & Imp-Treatment	39 yr	1.282%	2.564%	2.564%	2.564%	2.564%	0	3,900
88	TN	R		304301	Struct & Imp-Treatment-Dpr Paint	39 yr	1.282%	2.564%	2.564%	2.564%	2.564%	32,068	(98,244)
89	TN	R		320100	WT Equip Non-Media	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%	10,397	8,913
90	TN	R		320200	Water Trmt Equip Filter Media	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%	2,110	(3,403)
91	TN	R		330000	Dist Reservoirs & Standpipes	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%	925	444
92	TN	R		330003	Tank Repainting	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%	50,016	(70,767)
93	TN	R		330100	Elevated Tanks & Standpipes	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%	4,819	1,556
94	TN	R		330200	Ground Level Tanks	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%	25,801	8,345
95													
96	TN	S	Engineering Studies	331001	Transmission & Distribution Mains	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%	0	0

**Tennessee American Water Company
Qualified Infrastructure Improvement Program
Economic Development Rider
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STRATEGIC CAPITAL EXPENDITURE PLAN PROGRAM

Business Unit	Tennessee
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Tennessee American Water Company
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STRATEGIC CAPITAL EXPENDITURE PLAN
PROGRAM

Business Unit Tennessee
Revision Date July 5, 2017
Description TN BP 2018-2022 SCEP

Line #	Business Unit No.	Project Title	Account	Account Description	Tax Rate	Depreciation Deferred Tax (DTA, DTL)	NOTES	Average Accum Depreciation	Average Depreciation Deferred Tax (DTA, DTL)
1		RECURRING PROJECTS							
2	TN	DV	Projects Funded by Others	331001	Transmission & Distribution Mains	26.1350%	0	\$ -	\$ -
3	TN	DV		333000	Services	26.1350%	0	0	0
4	TN	DV		335000	Hydrants	26.1350%	0	0	0
5									
6	TN	A	Mains - New	331001	Transmission & Distribution Mains	26.1350%	(9,754)	(27,055)	(21,160)
7	TN	A		333000	Services	26.1350%	(84)	(210)	(182)
8	TN	A		334300	Meter Vaults	26.1350%	(93)	(1,281)	(115)
9	TN	A		335000	Hydrants	26.1350%	(361)	(2,233)	(644)
10									
11	TN	B	Mains - Replaced / Restored	331001	Transmission & Distribution Mains	26.1350%	(42,641)	(116,944)	(103,719)
12	TN	B		333000	Services	26.1350%	(4,338)	(9,105)	(9,304)
13	TN	B		335000	Hydrants	26.1350%	(610)	(4,556)	(1,159)
14									
15	TN	C	Mains - Unscheduled	331001	Transmission & Distribution Mains	26.1350%	(48,203)	(158,884)	(129,821)
16	TN	C		335000	Hydrants	26.1350%	(24)	(361)	(13)
17									
18	TN	D	Mains - Relocated	331001	Transmission & Distribution Mains	26.1350%	(28,360)	(37,858)	(53,505)
19	TN	D		333000	Services	26.1350%	(456)	(228)	(369)
20	TN	D		335000	Hydrants	26.1350%	(1,794)	3,760	(2,885)
21									
22	TN	E	Hydrants, Valves, and Manholes - New	331001	Transmission & Distribution Mains	26.1350%	(1,754)	(5,931)	(4,920)
23	TN	E		335000	Hydrants	26.1350%	(462)	(4,379)	(684)
24									
25	TN	F	Hydrants, Valves, and Manholes - Replaced	331001	Transmission & Distribution Mains	26.1350%	(1,912)	(5,022)	(5,332)
26	TN	F		335000	Hydrants	26.1350%	(3,892)	(40,132)	(11,080)
27									
28	TN	G	Services and Laterals - New	333000	Services	26.1350%	(3,752)	(6,131)	(2,939)
29									
30	TN	H	Services and Laterals - Replaced	333000	Services	26.1350%	(16,744)	(49,830)	(46,857)
31	TN	H		334100	Meters	26.1350%	(17)	(688)	(100)
32									
33	TN	I	Meters - New	334100	Meters	26.1350%	473	(8,491)	2,084
34	TN	I		334200	Meter Installations	26.1350%	(223)	(2,256)	42
35									
36	TN	J	Meters - Replaced	334100	Meters	26.1350%	(32,991)	(1,245)	(11,527)
37	TN	J		334200	Meter Installations	26.1350%	(20,020)	(210,219)	(46,675)
38									
39	TN	K	ITS Equipment and Systems	340200	Computer & Peripheral Equipment	26.1350%	0	0	0
40									
41	TN	L	SCADA Equipment and Systems	320100	WT Equip Non-Media	26.1350%	(2,076)	(11,495)	(10,952)
42	TN	L		340200	Computer & Peripheral Equipment	26.1350%	(3,161)	(2,116)	(11,311)
43	TN	L		346100	Comm Equip Non-Telephone	26.1350%	(585)	(6,999)	(8,593)
44	TN	L		346190	Remote Control & Instrument	26.1350%	(33,180)	(66,840)	(155,425)
45									
46	TN	M	Security Equipment and Systems	304100	Struct & Imp-Supply	26.1350%	(38)	(269)	(109)
47	TN	M		304200	Struct & Imp-Pumping	26.1350%	(53)	225	(75)
48	TN	M		304300	Structures & Improvement - Treatment	26.1350%	1,427	(22,280)	1,648

Tennessee American Water Company
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STRATEGIC CAPITAL EXPENDITURE PLAN
PROGRAM

Business Unit Tennessee
Revision Date July 5, 2017
Description TN BP 2018-2022 SCEP

Line #	Business Unit No.		Project Title	Account	Account Description	Tax Rate	Depreciation Deferred Tax (DTA, DTL))	NOTES	Average Accum Depreciation	Average Depreciation Deferred Tax (DTA, DTL))
49	TN	M		304400	Struct & Imp-Treatment-T&D	26.1350%	(68)		(1,663)	(312)
50	TN	M		304500	Structures & Improvement - General	26.1350%	(23)		(245)	(116)
51	TN	M		340200	Computer & Peripheral Equipment	26.1350%	(546)		(83)	(712)
52										
53	TN	N	Offices and Operations Centers	304500	Structures & Improvement - General	26.1350%	0		0	0
54										
55	TN	O	Vehicles	341100	Transportation Equip Lt Duty Trucks	26.1350%	0		0	0
56	TN	O		341200	Transportation Equip Hvy Duty Trucks	26.1350%	0		0	0
57	TN	O		341300	Transportation Equip Autos	26.1350%	0		0	0
58										
59	TN	P	Tools and Equipment	343000	Tools, Shop, Garage Equipment	26.1350%	0		0	0
60										
61	TN	Q	Process Plant Facilities and Equipment	304100	Struct & Imp-Supply	26.1350%	(1,147)		(19,645)	(3,912)
62	TN	Q		304200	Struct & Imp-Pumping	26.1350%	(1,482)		(19,309)	(4,487)
63	TN	Q		304300	Struct & Imp-Treatment	26.1350%	475		(6,076)	412
64	TN	Q		304400	Struct & Imp-Treatment-T&D	26.1350%	(31)		(1,427)	(215)
65	TN	Q		304500	Structures & Improvement - General	26.1350%	(245)		(1,522)	(535)
66	TN	Q		304600	Struc & Imp-Offices	26.1350%	(30)		(104)	(30)
67	TN	Q		304700	Struct & Imp-Store,Shop,Garage	26.1350%	(15)		177	(66)
68	TN	Q		306000	Lake, River & Other Intakes	26.1350%	(214)		(448)	(544)
69	TN	Q		309000	Supply Mains	26.1350%	(55)		(722)	(244)
70	TN	Q		310000	Power Generation Equip	26.1350%	881		(15,352)	2,869
71	TN	Q		311200	Pump Eqp Electric	26.1350%	(1,076)		3,547	(2,392)
72	TN	Q		311520	Pumping Equipment SOS	26.1350%	(10,783)		(54,308)	(26,152)
73	TN	Q		320100	WT Equip Non-Media	26.1350%	(22,706)		(62,525)	(73,231)
74	TN	Q		320200	Water Trmt Equip Filter Media	26.1350%	42,918		(456,248)	131,441
75	TN	Q		330000	Dist Reservoirs & Standpipes	26.1350%	(127)		(723)	(69)
76	TN	Q		331001	Transmission & Distribution Mains	26.1350%	(3)		7	(2)
77	TN	Q		334100	Meters	26.1350%	0		0	0
78	TN	Q		340200	Computer & Peripheral Equipment	26.1350%	(0)		0	(0)
79	TN	Q		340300	Computer Software	26.1350%	(8,495)		(2,649)	(16,588)
80	TN	Q		340330	Computer Software Other	26.1350%	(84)		(26)	(163)
81	TN	Q		343000	Tools, Shop, Garage Equipment	26.1350%	(25)		(93)	(62)
82	TN	Q		344000	Laboratory Equipment	26.1350%	(437)		5,315	(1,980)
83	TN	Q		345000	Power Operated Equipment	26.1350%	129		(7,520)	943
84	TN	Q		346190	Remote Control & Instrument	26.1350%	(330)		(171)	(1,306)
85	TN	Q		347000	Misc Equipment	26.1350%	(16)		(1,284)	137
86										
87	TN	R	Capitalized Tank Rehabilitation/Painting	304300	Struct & Imp-Treatment	26.1350%	(1,019)		13,356	(4,976)
88	TN	R		304301	Struct & Imp-Treatment-Dpr Paint	26.1350%	25,676		(321,329)	94,454
89	TN	R		320100	WT Equip Non-Media	26.1350%	(2,329)		(41,577)	(53,616)
90	TN	R		320200	Water Trmt Equip Filter Media	26.1350%	889		(12,933)	3,195
91	TN	R		330000	Dist Reservoirs & Standpipes	26.1350%	(116)		(10,434)	(5,771)
92	TN	R		330003	Tank Repainting	26.1350%	18,495		(105,424)	13,501
93	TN	R		330100	Elevated Tanks & Standpipes	26.1350%	(407)		(4,878)	(1,062)
94	TN	R		330200	Ground Level Tanks	26.1350%	(2,181)		(9,708)	(4,510)
95										
96	TN	S	Engineering Studies	331001	Transmission & Distribution Mains	26.1350%	0		0	0

**Tennessee American Water Company
Qualified Infrastructure Improvement Program
Economic Development Rider
Safety and Environmental Compliance Rider**

STRATEGIC CAPITAL EXPENDITURE PLAN PROGRAM

Business Unit	Tennessee
Revision Date	July 5, 2017
Description	TN BP 2018-2022 SCEP

Line #	Business Unit No.		Project Title	Account	Account Description	Tax Rate	Depreciation Deferred Tax (DTA, DTL))	NOTES	Average Accum Depreciation	Average Depreciation Deferred Tax (DTA, DTL))
97			Total Recurring Projects							
98										
99			ACQUISITIONS							
100										
101			Total Acquisitions							
102										
103			CENTRALLY SPONSORED PROJECTS							
104	TN	T26-0202	Business Transformation 2010 - 2014	340315	Computer Software Special Deprec Rate	26.1350%	0		0	0
105	TN	T26-0203	Business Transformation 2010 - 2014	340315	Computer Software Special Deprec Rate	26.1350%	0			
106			Total Centrally Sponsored Projects							
107										
108			INVESTMENT PROJECTS							
109	TN	I26-020017	Electrical Motor Efficiency Enhancement (\$2.9)				-			
110	TN	I26-020027	Construct 1.0MG Tank & 2500-16" ER (\$1.0)				-			
111	TN	I26-020028	Citico Plant Improvements Phase 1B (\$8.6)	304300	Struct & Imp-Treatment	26.1350%	24,661		(515,239)	71,277
112	TN	I26-020028		320100	WT Equip Non-Media	26.1350%	(16,175)		(45,742)	(43,994)
113	TN	I26-020028		346190	Remote Control & Instrument	26.1350%	114		(8,403)	57
114	TN	I26-020032	Wastewater Treatm't & Handling Impr (\$15.3)	304200	Struct & Imp-Pumping	26.1350%	(76)		323	(255)
115	TN	I26-020032		304300	Struct & Imp-Treatment	26.1350%	16,151		(245,853)	46,768
116	TN	I26-020032		304400	Struct & Imp-T&D	26.1350%	-		0	0
117	TN	I26-020032		304500	Structures & Improvement - General	26.1350%	(3,982)		(156,206)	(134,255)
118	TN	I26-020032		320100	WT Equip Non-Media	26.1350%	(78,613)		(227,931)	(234,972)
119	TN	I26-020032		330200	Ground Level Tanks	26.1350%	-		(1,730)	(768)
120	TN	I26-020032		347000	Misc Equipment	26.1350%	36		(2,102)	138
121	TN	I26-020034	Tennessee River Crossing (\$2.5)	331001	Transmission & Distribution Mains	26.1350%	(12,012)		(1,161)	(6,006)
122	TN	I26-020038	Retire Basin 1	304300	Struct & Imp-WT	26.1350%	-		0	0
123	TN	I26-020039	Repl Basin 2 & Plate Settlers				0		0	0
124	TN	I26-020040	Chlorine Gas Conversion				-		0	0
125	TN	I26-020041	Electrical - Breakers and Relays (\$0.6)	311200	Pump Eqp Electric	26.1350%	-		0	0
126	TN	I26-020042	Pumping Auxiliary Power (\$1.4)				-			
127	TN	I26-020043	Energy Reduction and Efficiency (\$0.87)				-			
128	TN	I26-020044	New Raw Water Intake Citico (\$13)				-			
129	TN	I26-020045	Remove Filter Bldg 3	304300	Struct & Imp-Treatment	26.1350%	766		(2,489)	383
130	TN	I26-020046	New Field Services Facility (\$4.5)				-			
131	TN	I26-050001	Raw Water Intake Improvements Whitwell (\$2)				-			
132	TN	I26-050002	Facility Upgrades at Whitwell WTP (\$0.3)	320100	WT Equip Non-Media	26.1350%	(539)		(299)	(269)
133	TN	I26-050002		346190	Remote Control & Instrument	26.1350%	157		(6,954)	79
134	TN	I26-050003	Replace 0.5 MG Storage Tanks at Whitwell (\$.5)				-			
135	TN	I26-050004	Replace 0.1 MG Storage Tank at Whitwell (\$0.3)	330200	Ground Level Tanks	26.1350%	341		(3,194)	170
136	TN	I26-020002	Post Acquisition BD Capex				-			
137	TN	I26-000001	Whitwell Acquisition Capital Investment	331001	Transmission & Distribution Mains	26.1350%	-		0	0
138	TN	I26-000001		320200	Water Trmt Equip Filter Media	26.1350%	-		0	0
139	TN	I26-000001		311520	Pumping Equipment SOS	26.1350%	-		0	0
140	TN	I26-000001		340200	Computer & Peripheral Equipment	26.1350%	-		0	0
141										
142			(1) Amounts not reflected in actuals through 2017 or		Total DV Included:		\$ (289,377)		\$ (3,152,053)	\$ (893,427)
143			projections based on project costs through 2018							

**Tennessee American Water Company
Qualified Infrastructure Improvement Program
Economic Development Rider
Safety and Environmental Compliance Rider**

STRATEGIC CAPITAL EXPENDITURE PLAN PROGRAM

Business Unit	Tennessee
Revision Date	July 5, 2017
Description	TN BP 2018-2022 SCEP

[illegible]

STRATEGIC CAPITAL EXPENDITURE PLAN
PROGRAM

Business Unit	Tennessee
Revision Date	October 7, 2017
Description	TN BP 2018-2022 SCEP

2018

Business Unit	Rider	Business Unit No.	Project Title			1	2	3	4	5	6
Tennessee	None	DV	Projects Funded by Others			\$10,000	\$10,000	\$50,000	\$80,000	\$150,000	\$150,000
Tennessee	EDI	A	Mains - New			40,000	67,500	75,500	85,500	88,000	93,000
Tennessee	QIIP	B	Mains - Replaced / Restored			50,000	100,000	130,000	135,000	160,000	170,000
Tennessee	QIIP	C	Mains - Unscheduled			100,500	110,500	106,000	106,000	103,500	100,500
Tennessee	QIIP	D	Mains - Relocated				5,000	5,000	10,000	15,000	15,000
Tennessee	EDI	E	Hydrants, Valves, and Manholes - New			5,000	8,000	10,500	11,500	13,000	18,000
Tennessee	QIIP	F	Hydrants, Valves, and Manholes - Replaced			19,500	21,500	23,500	30,500	45,000	50,000
Tennessee	None	G	Services and Laterals - New			50,500	75,500	81,250	85,250	100,500	105,500
Tennessee	QIIP	H	Services and Laterals - Replaced			20,500	35,000	45,200	57,200	85,200	85,300
Tennessee	None	I	Meters - New			5,000	10,000	15,000	20,350	25,350	30,700
Tennessee	QIIP	J	Meters - Replaced			50,000	100,000	151,000	201,500	301,500	302,395
Tennessee	None	K	ITS Equipment and Systems			138,945	158,605	151,905	132,685	137,353	136,115
Tennessee	SEC	L	SCADA Equipment and Systems			5,000	7,000	9,000	15,000	22,500	25,500
Tennessee	SEC	M	Security Equipment and Systems			2,500	5,000	10,000	10,000	15,000	25,000
Tennessee	None	N	Offices and Operations Centers			1,000	1,000	1,250	1,250	1,500	1,500
Tennessee	None	O	Vehicles							240,000	247,000
Tennessee	None	P	Tools and Equipment			5,750	8,750	11,000	13,000	18,500	20,500
Tennessee	SEC	Q	Process Plant Facilities and Equipment			27,500	80,000	80,000	80,000	82,500	87,500
Tennessee	QIIP	R	Capitalized Tank Rehabilitation/Painting			50,000	50,000	50,000	75,000	75,000	100,000
Tennessee	None	S	Engineering Studies			2,500	2,500	5,000	5,000	5,000	5,000
Total Recurring Projects						574,195	845,855	961,105	1,074,735	1,534,403	1,618,510
INVESTMENT PROJECTS											
Tennessee	SEC	I26-020027	Construct 1.0MG Tank & 2500-16" ER (\$1.5)	Total	In Service Date						
Tennessee	QIIP	I26-020034	Tennessee River Crossing (\$2.5)		12/31/2022	163,875	213,875	213,875	213,875	213,875	213,875
Tennessee	QIIP	I26-020038	Retire Basin 1 (\$0.6)		12/31/2020						
Tennessee	QIIP	I26-020039	Repl Basin 2 & Plate Settlers		12/31/2019				16,545	27,666	110,453
Tennessee	SEC	I26-020040	Chlorine Gas Conversion (\$4.5)		4/1/2020						
Tennessee	QIIP	I26-020043	Energy Reduction and Efficiency (\$0.87)		12/31/2020						
Tennessee	SEC	I26-020044	New Raw Water Intake Citico (\$4)		6/30/2022						
Tennessee	QIIP	I26-020045	Remove Filter Bldg 3		3/1/2018						
Tennessee	None	I26-020046	New Field Services Facility (\$5)		12/31/2020				21,930	21,930	21,930
Tennessee	QIIP	I26-020048	Install 6,900 ft of 8-inch Main on Elder Mountain Rc		12/31/2022						
Tennessee	QIIP	I26-020049	Alvin York Hwy Main Replacement (\$1.5)		8/30/2023						
Tennessee	SEC	I26-050001	Raw Water Intake Improvements Whitwell (\$2)		12/31/2021						
Tennessee	SEC	I26-050002	Facility Upgrades at Whitwell WTP (\$0.3)		12/31/2017						
Tennessee	SEC	I26-050003	Replace 0.5 MG Storage Tanks at Whitwell (\$.5)		12/31/2021						
Tennessee	SEC	I26-050004	Replace 0.1 MG Storage Tank at Whitwell (\$0.3)		12/31/2017						
Tennessee	No	I26-000002	Post Acquisition BD Capex			56,083	56,083	56,083	56,083	56,083	56,083
Total Investment Projects						\$219,958	\$269,958	\$269,958	\$308,433	\$319,554	\$402,341
Contributions						(20,000)	(20,000)	(20,000)	(20,000)	(20,000)	(20,000)
Advances						(58,333)	(58,333)	(58,333)	(58,333)	(58,333)	(58,333)
Total Refunds						29,167	29,167	29,167	29,167	29,167	29,167
Gross						\$804,154	\$1,125,814	\$1,281,064	\$1,463,169	\$2,003,958	\$2,170,852
Net						(49,167)	(49,167)	(49,167)	(49,167)	(49,167)	(49,167)
*Dollar amounts from TAWC's Annual Capital Planning Process						\$754,987	\$1,076,647	\$1,231,897	\$1,414,002	\$1,954,791	\$2,121,685
Gross minus Post Acq						\$748,070	\$1,069,730	\$1,224,980	\$1,407,085	\$1,947,874	\$2,114,768
Net minus Post Acq						(49,167)	(49,167)	(49,167)	(49,167)	(49,167)	(49,167)
						\$698,904	\$1,020,564	\$1,175,814	\$1,357,919	\$1,898,708	\$2,065,602

STRATEGIC CAPITAL EXPENDITURE PLAN
PROGRAM

Business Unit	Tennessee
Revision Date	October 7, 2017
Description	TN BP 2018-2022 SCEP

										U.S. \$
Business Unit	Rider	Business Unit No.	Project Title	7	8	9	10	11	12	Total 2018
Tennessee	None	DV	Projects Funded by Others	\$90,000	\$80,000	\$80,000	\$80,000	\$120,000	\$100,000	\$1,000,000
Tennessee	EDI	A	Mains - New	98,000	102,000	78,000	79,500	78,500	77,500	963,000
Tennessee	QIIP	B	Mains - Replaced / Restored	175,000	185,000	170,000	160,000	150,000	140,000	1,725,000
Tennessee	QIIP	C	Mains - Unscheduled	70,500	70,500	40,500	40,500	80,000	100,000	1,029,000
Tennessee	QIIP	D	Mains - Relocated	20,000	15,000	10,000	10,000	5,000		110,000
Tennessee	EDI	E	Hydrants, Valves, and Manholes - New	17,500	16,000	15,000	8,000	5,500	5,000	133,000
Tennessee	QIIP	F	Hydrants, Valves, and Manholes - Replaced	55,000	53,000	46,000	36,000	26,000	16,000	422,000
Tennessee	None	G	Services and Laterals - New	105,250	81,250	101,000	81,000	75,500	50,500	993,000
Tennessee	QIIP	H	Services and Laterals - Replaced	82,200	65,200	55,200	43,000	30,000	26,250	630,250
Tennessee	None	I	Meters - New	35,350	30,350	25,000	20,000	10,600	10,000	237,700
Tennessee	QIIP	J	Meters - Replaced	300,000	300,000	219,545	180,000	100,000	50,000	2,255,940
Tennessee	None	K	ITS Equipment and Systems	164,900	152,680	117,941	122,041	98,164	61,387	1,572,722
Tennessee	SEC	L	SCADA Equipment and Systems	22,000	20,000	15,000	10,000	5,000	4,000	160,000
Tennessee	SEC	M	Security Equipment and Systems	25,000	25,000	10,000	10,000	10,000	2,500	150,000
Tennessee	None	N	Offices and Operations Centers	2,000	1,500	1,000	1,000	1,000	1,000	15,000
Tennessee	None	O	Vehicles		132,000					619,000
Tennessee	None	P	Tools and Equipment	25,500	18,500	13,000	11,000	8,750	5,750	160,000
Tennessee	SEC	Q	Process Plant Facilities and Equipment	90,000	90,000	80,000	80,000	80,000	32,500	890,000
Tennessee	QIIP	R	Capitalized Tank Rehabilitation/Painting	200,000	105,000	100,000	100,000	50,000	45,000	1,000,000
Tennessee	None	S	Engineering Studies	5,000	5,000	5,000	5,000	2,500	2,500	50,000
Total Recurring Projects				1,493,200	1,467,980	1,102,186	997,041	816,514	629,887	13,115,612
INVESTMENT PROJECTS										
Tennessee	SEC	I26-020027	Construct 1.0MG Tank & 2500-16" ER (\$1.5)							
Tennessee	QIIP	I26-020034	Tennessee River Crossing (\$2.5)	200,000	200,000	200,000	200,000	200,000	180,959	2,414,209
Tennessee	QIIP	I26-020038	Retire Basin 1 (\$0.6)							
Tennessee	QIIP	I26-020039	Repl Basin 2 & Plate Settlers	166,056	166,358	166,358	166,358	166,358	1,336,045	2,322,197
Tennessee	SEC	I26-020040	Chlorine Gas Conversion (\$4.5)	55,151	110,603	111,207	194,536	223,168	279,525	974,190
Tennessee	QIIP	I26-020043	Energy Reduction and Efficiency (\$0.87)							
Tennessee	SEC	I26-020044	New Raw Water Intake Citico (\$4)							
Tennessee	QIIP	I26-020045	Remove Filter Bldg 3							
Tennessee	None	I26-020046	New Field Services Facility (\$5)	21,930	21,930	21,930	21,930	21,930	21,931	197,371
Tennessee	QIIP	I26-020048	Install 6,900 ft of 8-inch Main on Elder Mountain Rc							
Tennessee	QIIP	I26-020049	Alvin York Hwy Main Replacement (\$1.5)							
Tennessee	SEC	I26-050001	Raw Water Intake Improvements Whitwell (\$2)							
Tennessee	SEC	I26-050002	Facility Upgrades at Whitwell WTP (\$0.3)							
Tennessee	SEC	I26-050003	Replace 0.5 MG Storage Tanks at Whitwell (\$.5)							
Tennessee	SEC	I26-050004	Replace 0.1 MG Storage Tank at Whitwell (\$0.3)							
Tennessee	No	I26-000002	Post Acquisition BD Capex	56,083	56,083	56,083	56,083	56,083	56,083	673,000
Total Investment Projects				\$499,220	\$554,974	\$555,578	\$638,907	\$667,539	\$1,874,543	\$6,580,967
Contributions				(20,000)	(20,000)	(20,000)	(20,000)	(20,000)	(20,000)	(240,000)
Advances				(58,333)	(58,333)	(58,333)	(58,333)	(58,333)	(58,333)	(700,000)
Total Refunds				29,167	29,167	29,167	29,167	29,167	29,167	350,000
Gross				\$2,082,420	\$2,102,954	\$1,737,764	\$1,715,948	\$1,604,053	\$2,604,430	\$20,696,579
				(49,167)	(49,167)	(49,167)	(49,167)	(49,167)	(49,167)	(590,000)
Net				\$2,033,253	\$2,053,787	\$1,688,598	\$1,666,782	\$1,554,887	\$2,555,264	\$20,106,579
*Dollar amounts from TAWC's Annual Capital Planning Process										
Gross minus Post Acq				\$2,026,337	\$2,046,871	\$1,681,681	\$1,659,865	\$1,547,970	\$2,548,347	\$20,023,579
				(49,167)	(49,167)	(49,167)	(49,167)	(49,167)	(49,167)	(590,000)
Net minus Post Acq				\$1,977,170	\$1,997,704	\$1,632,514	\$1,610,698	\$1,498,803	\$2,499,180	\$19,433,579

Tennessee American Water Company
Qualified Infrastructure Improvement Program
Economic Development Rider
Safety and Environmental Compliance Rider

**STRATEGIC CAPITAL EXPENDITURE PLAN
PROGRAM**

Actual

Business Unit Tennessee

Revision Date September 21, 2016

Description TN BP 2017-2021 SCEP

Line #	Business Unit No.	Project Title	Account	Account Description	Portion to Account (2)	In-Service (Months) (3)	Dep Rate	2016 SCEP Reforecast	Prior 2016 SCEP In-Serviced
1		RECURRING PROJECTS							
2	TN	DV	331001	Transmission & Distribution Mains	95.5%	3	1.25%		\$ -
3	TN	DV	333000	Services	2.3%	3	1.11%		-
4	TN	DV	335000	Hydrants	2.2%	3	2.30%		-
5									
6	TN	A	331001	Transmission & Distribution Mains	100.0%	3	1.25%		597,576
7	TN	A	333000	Services		3	1.11%		5,754
8	TN	A	334300	Meter Vaults		3	2.73%		18,184
9	TN	A	335000	Hydrants		3	2.30%		24,701
10									
11	TN	B	331001	Transmission & Distribution Mains	96.8%	3	1.25%		2,522,367
12	TN	B	333000	Services	2.9%	3	1.11%		177,865
13	TN	B	335000	Hydrants	0.3%	3	2.30%		32,852
14									
15	TN	C	331001	Transmission & Distribution Mains	100.0%	3	1.25%		4,158,822
16	TN	C	335000	Hydrants		3	2.30%		4,979
17									
18	TN	D	331001	Transmission & Distribution Mains	96.2%	3	1.25%		1,545,482
19	TN	D	333000	Services	0.5%	3	1.11%		1,335
20	TN	D	335000	Hydrants	3.3%	3	2.30%		11,673
21									
22	TN	E	331001	Transmission & Distribution Mains	58.7%	1	1.25%		147,515
23	TN	E	335000	Hydrants	41.3%	1	2.30%		41,693
24									
25	TN	F	331001	Transmission & Distribution Mains	64.1%	1	1.25%		140,790
26	TN	F	335000	Hydrants	35.9%	1	2.30%		506,611
27									
28	TN	G	333000	Services	100.0%	1	1.11%		-
29									
30	TN	H	333000	Services	100.0%	1	1.11%		1,279,335
31	TN	H	334100	Meters		1	7.47%		4,971
32									
33	TN	I	334100	Meters	64.2%	1	7.47%		-
34	TN	I	334200	Meter Installations	35.8%	1	2.73%		-
35									
36	TN	J	334100	Meters	72.5%	1	7.47%		295,389
37	TN	J	334200	Meter Installations	27.5%	1	2.73%		2,362,958
38									
39	TN	K	340200	Computer & Peripheral Equipment	100.0%	1	2.19%		-
40									
41	TN	L	320100	WT Equip Non-Media			1.09%		268,337
42	TN	L	340200	Computer & Peripheral Equipment	100.0%	1	2.19%		49,331
43	TN	L	346100	Comm Equip Non-Telephone			4.21%		41,119
44	TN	L	346190	Remote Control & Instrument			4.21%		567,583
45									
46	TN	M	304100	Struct & Imp-Supply					
47	TN	M	304200	Struct & Imp-Pumping					
48	TN	M	304300	Structures & Improvement - Treatment			4.11%		190,909
49	TN	M	304400	Struct & Imp-Treatment-T&D			2.13%		43,791
50	TN	M	304500	Structures & Improvement - General	100.0%	1	1.13%		6,193

Tennessee American Water Company
Qualified Infrastructure Improvement Program
Economic Development Rider
Safety and Environmental Compliance Rider

STRATEGIC CAPITAL EXPENDITURE PLAN
PROGRAM

Actual
Business Unit Tennessee
Revision Date September 21, 2016
Description TN BP 2017-2021 SCEP

Line #	Business Unit No.	Project Title	Account	Account Description	Portion to Account (2)	In-Service (Months) (3)	Dep Rate	2016 SCEP Reforecast	Prior 2016 SCEP In- Served
148				EDI Total:					\$ 835,424
149									
150				QIIP Total:					\$ 23,447,800

Tennessee American Water Company
Qualified Infrastructure Improvement Program
Economic Development Rider
Safety and Environmental Compliance Rider

**STRATEGIC CAPITAL EXPENDITURE PLAN
PROGRAM**

Actual

Business Unit Tennessee

Revision Date September 21, 2016

Description TN BP 2017-2021 SCEP

						Cumulative Balance of In-Serviced Plant, from 2017 Capex, by Period					
Line #	Business Unit No.		Project Title	Account	Account Description	1	2	3	4	5	6
1			RECURRING PROJECTS								
2	TN	DV	Projects Funded by Others	331001	Transmission & Distribution Mains	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
3	TN	DV		333000	Services	-	-	-	-	-	-
4	TN	DV		335000	Hydrants	-	-	-	-	-	-
5											
6	TN	A	Mains - New	331001	Transmission & Distribution Mains	596,909	612,660	625,619	625,929	630,276	635,021
7	TN	A		333000	Services	5,754	5,754	5,754	5,754	5,754	5,754
8	TN	A		334300	Meter Vaults	18,184	18,184	18,184	18,184	18,184	18,184
9	TN	A		335000	Hydrants	25,369	25,369	25,369	25,369	25,369	25,369
10											
11	TN	B	Mains - Replaced / Restored	331001	Transmission & Distribution Mains	2,524,489	2,574,777	2,871,036	2,971,420	3,009,782	3,618,372
12	TN	B		333000	Services	177,865	209,594	212,856	217,130	206,990	282,910
13	TN	B		335000	Hydrants	32,957	34,269	52,784	59,228	61,061	91,377
14											
15	TN	C	Mains - Unscheduled	331001	Transmission & Distribution Mains	4,306,308	4,406,274	4,566,654	4,674,442	4,786,656	5,079,242
16	TN	C		335000	Hydrants	4,979	4,979	4,979	4,979	4,979	4,979
17											
18	TN	D	Mains - Relocated	331001	Transmission & Distribution Mains	1,545,344	1,553,950	1,554,457	1,592,991	1,601,295	1,676,364
19	TN	D		333000	Services	1,335	1,335	1,335	2,460	2,811	3,884
20	TN	D		335000	Hydrants	11,672	11,672	11,673	15,135	16,214	18,906
21											
22	TN	E	Hydrants, Valves, and Manholes - New	331001	Transmission & Distribution Mains	155,114	170,318	172,184	173,834	173,623	174,817
23	TN	E		335000	Hydrants	41,693	41,693	41,732	45,341	60,872	63,061
24											
25	TN	F	Hydrants, Valves, and Manholes - Replaced	331001	Transmission & Distribution Mains	155,550	155,997	155,755	155,867	155,873	155,883
26	TN	F		335000	Hydrants	513,788	535,189	541,307	547,310	557,453	563,903
27											
28	TN	G	Services and Laterals - New	333000	Services	-	-	-	-	-	-
29											
30	TN	H	Services and Laterals - Replaced	333000	Services	1,307,952	1,333,983	1,364,102	1,394,101	1,439,791	1,523,333
31	TN	H		334100	Meters	6,259	6,132	6,622	9,166	9,871	9,346
32											
33	TN	I	Meters - New	334100	Meters	-	-	-	-	-	-
34	TN	I		334200	Meter Installations	-	-	-	-	-	-
35											
36	TN	J	Meters - Replaced	334100	Meters	351,567	386,526	546,709	543,029	543,250	536,661
37	TN	J		334200	Meter Installations	2,407,085	2,408,192	2,408,279	2,451,564	2,557,199	2,654,781
38											
39	TN	K	ITS Equipment and Systems	340200	Computer & Peripheral Equipment	-	-	-	-	-	-
40											
41	TN	L	SCADA Equipment and Systems	320100	WT Equip Non-Media	268,337	268,337	268,337	268,337	268,337	268,337
42	TN	L		340200	Computer & Peripheral Equipment	49,331	49,331	49,331	49,331	53,812	55,851
43	TN	L		346100	Comm Equip Non-Telephone	41,119	41,119	41,119	41,119	41,119	41,119
44	TN	L		346190	Remote Control & Instrument	596,654	596,654	596,654	596,654	673,064	672,880
45											
46	TN	M	Security Equipment and Systems	304100	Struct & Imp-Supply	-	-	-	-	-	-
47	TN	M		304200	Struct & Imp-Pumping	-	-	-	-	-	-
48	TN	M		304300	Structures & Improvement - Treatment	190,927	190,927	190,927	190,927	190,927	190,927
49	TN	M		304400	Struct & Imp-Treatment-T&D	43,791	43,791	43,791	43,791	43,791	43,791
50	TN	M		304500	Structures & Improvement - General	6,193	6,193	6,193	6,193	6,193	6,193

Description	TN BP 2017-2021 SCEP

Line #	Business Unit No.		Project Title	Account	Account Description	1	2	3	4	5	6
51	TN	M		340200	Computer & Peripheral Equipment	-	-	-	-	-	-
52											
53	TN	N	Offices and Operations Centers	304500	Structures & Improvement - General	-	-	-	-	-	-
54											
55	TN	O	Vehicles	341100	Transportation Equip Lt Duty Trucks	-	-	-	-	-	-
56	TN	O		341200	Transportation Equip Hvy Duty Trucks	-	-	-	-	-	-
57	TN	O		341300	Transportation Equip Autos	-	-	-	-	-	-
58											
59	TN	P	Tools and Equipment	343000	Tools, Shop, Garage Equipment	-	-	-	-	-	-
60											
61	TN	Q	Process Plant Facilities and Equipment	304100	Struct & Imp-Supply	237,419	237,419	237,419	237,419	237,419	237,419
62	TN	Q		304200	Struct & Imp-Pumping	375,214	374,985	375,402	375,402	375,402	375,402
63	TN	Q		304300	Struct & Imp-Treatment	74,473	74,473	74,473	74,473	74,473	74,473
64	TN	Q		304400	Struct & Imp-Treatment-T&D	25,679	25,679	25,679	25,679	25,679	25,679
65	TN	Q		304500	Structures & Improvement - General	61,513	62,155	62,504	62,504	62,504	61,239
66	TN	Q		304600	Struc & Imp-Offices	-	-	-	7,517	7,517	7,517
67	TN	Q		304700	Struct & Imp-Store,Shop,Garage	-	-	-	-	-	-
68	TN	Q		306000	Lake, River & Other Intakes	24,247	24,247	24,247	24,247	24,247	24,247
69	TN	Q		309000	Supply Mains	9,862	9,862	9,862	9,862	9,862	9,862
70	TN	Q		310000	Power Generation Equip	25,066	39,524	39,524	39,524	39,524	39,524
71	TN	Q		311200	Pump Eqp Electric	21,062	23,467	23,467	23,467	23,467	23,467
72	TN	Q		311520	Pumping Equipment SOS	860,098	1,141,140	1,143,131	1,186,747	1,210,983	1,210,906
73	TN	Q		320100	WT Equip Non-Media	1,873,324	2,173,457	2,176,463	2,223,042	2,222,856	2,230,734
74	TN	Q		320200	Water Trmt Equip Filter Media	707,783	707,783	707,783	707,783	707,783	707,783
75	TN	Q		330000	Dist Reservoirs & Standpipes	23,873	24,326	24,573	24,573	24,573	23,679
76	TN	Q		331001	Transmission & Distribution Mains	-	-	-	-	-	-
77	TN	Q		334100	Meters	-	-	-	-	-	-
78	TN	Q		340200	Computer & Peripheral Equipment	-	-	-	-	-	-
79	TN	Q		340300	Computer Software	99,427	99,427	99,427	99,427	99,427	99,427
80	TN	Q		340330	Computer Software Other	977	977	977	977	977	977
81	TN	Q		343000	Tools, Shop, Garage Equipment	3,294	3,294	3,294	3,294	3,294	3,294
82	TN	Q		344000	Laboratory Equipment	1,452	1,452	1,452	4,604	4,899	4,899
83	TN	Q		345000	Power Operated Equipment	41,485	41,485	41,485	41,485	41,485	41,485
84	TN	Q		346190	Remote Control & Instrument	3,502	3,502	3,502	3,502	3,502	3,502
85	TN	Q		347000	Misc Equipment	7,793	7,793	7,793	7,793	7,793	7,793
86											
87	TN	R	Capitalized Tank Rehabilitation/Painting	304300	Struct & Imp-Treatment	-	-	-	-	-	-
88	TN	R		304301	Struct & Imp-Treatment-Dpr Paint	1,250,689	1,250,689	1,250,689	1,250,689	1,250,689	1,250,689
89	TN	R		320100	WT Equip Non-Media	259,932	259,932	259,932	259,932	259,932	259,932
90	TN	R		320200	Water Trmt Equip Filter Media	52,740	52,740	52,740	52,740	52,740	52,740
91	TN	R		330000	Dist Reservoirs & Standpipes	23,045	23,045	23,045	23,045		

Tennessee American Water Company
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**STRATEGIC CAPITAL EXPENDITURE PLAN
PROGRAM**

Actual

Business Unit Tennessee

Revision Date September 21, 2016

Description TN BP 2017-2021 SCEP

					Cumulative Balance of In-Serviced Plant, from 2017 Capex, by Period					
Line #	Business Unit No.	Project Title	Account	Account Description	1	2	3	4	5	6
101		Total Acquisitions								
102										
103		CENTRALLY SPONSORED PROJECTS								
104	TN	T26-0202 Business Transformation 2010 - 2014	340315	Computer Software Special Deprec Rate	-	-	-	-	-	-
105	TN	T26-0203 Business Transformation 2010 - 2014	340315	Computer Software Special Deprec Rate	-	-	-	-	-	-
106		Total Centrally Sponsored Projects								
107										
108		INVESTMENT PROJECTS								
109	TN	I26-020017 Electrical Motor Efficiency Enhancement (\$2.9)			0	0	0	0	0	0
110	TN	I26-020027 Construct 1.0MG Tank & 2500-16" ER (\$1.0)			0	0	0	0	0	0
111	TN	I26-020028 Citico Plant Improvements Phase 1B (\$8.6)	304300	Struct & Imp-Treatment	6,305,950	6,307,541	6,307,541	6,307,541	6,312,036	6,312,498
112	TN	I26-020028	320100	WT Equip Non-Media	2,101,983	2,101,854	2,101,854	2,101,854	2,103,406	2,103,566
	TN	I26-020028	346190	Remote Control & Instrument	0	525	525	525	677	693
113	TN	I26-020032 Wastewater Treatm't & Handling Impr (\$15.3)	304200	Struct & Imp-Pumping	14,597	14,597	0	0	0	1,033
114	TN	I26-020032	304300	Struct & Imp-Treatment	394,579	394,579	7,113,244	7,113,244	4,139,380	4,140,413
115	TN	I26-020032	304400	Struct & Imp-T&D	0	0	0	0	0	0
116	TN	I26-020032	304500	Structures & Improvement - General	9,103,923	9,103,923	0	0	1,062,411	1,063,444
117	TN	I26-020032	320100	WT Equip Non-Media	5,988,538	5,988,538	8,421,320	8,421,320	10,332,774	10,333,807
118	TN	I26-020032	330200	Ground Level Tanks	45,429	45,429	0	0	0	1,033
119	TN	I26-020032	347000	Misc Equipment	18,537	18,537	5,943	5,943	5,943	6,976
120	TN	I26-020034 Tennessee River Crossing (\$2.5)	331001	Transmission & Distribution Mains	0	0	0	0	0	0
121	TN	I26-020038 Retire Basin 1	304300	Struct & Imp-WT	0	0	0	0	0	0
122	TN	I26-020039 Basin 2 Tube Settlers			0	0	0	0	0	0
123	TN	I26-020040 Chlorine Gas Conversion			0	0	0	0	0	0
124	TN	I26-020041 Electrical - Breakers and Relays (\$0.6)	311200	Pump Eqp Electric	0	0	0	0	0	0
125	TN	I26-020042 Pumping Auxiliary Power (\$1.4)			0	0	0	0	0	0
126	TN	I26-020043 Energy Reduction and Efficiency (\$0.87)			0	0	0	0	0	0
127	TN	I26-020044 New Raw Water Intake Citico (\$13)			0	0	0	0	0	0
128	TN	I26-020045 Renovate Filter Bldg 3 (\$0.75)			0	0	0	0	0	0
129	TN	I26-020046 New Field Services Facility (\$4.5)			0	0	0	0	0	0
130	TN	I26-050001 Raw Water Intake Improvements Whitwell (\$2)			0	0	0	0	0	0
131	TN	I26-050002 Facility Upgrades at Whitwell WTP (\$0.3)	320100	WT Equip Non-Media	0	0	0	0	0	0
	TN	I26-050002	346190	Remote Control & Instrument	0	0	0	0	0	0
132	TN	I26-050003 Replace 0.5 MG Storage Tanks at Whitwell (\$5)			0	0	0	0	0	0
133	TN	I26-050004 Replace 0.1 MG Storage Tank at Whitwell (\$0.3)			0	0	0	0	0	0
134	TN	I26-020002 Post Acquisition BD Capex			0	0	0	0	0	0
135	TN	I26-000001 Whitwell Acquisition Capital Investment	331001	Transmission & Distribution Mains	0	0	0	0	0	0
136	TN	I26-000001	320200	Water Trmt Equip Filter Media	0	0	0	0	0	0
137	TN	I26-000001	311520	Pumping Equipment SOS	0	0	0	0	0	0
138	TN	I26-000001	340200	Computer & Peripheral Equipment	0	0	0	0	0	0

(1) Amounts not reflected in actuals through 2016 or projections based on project costs through 2017.

Total DV Included:

Total DV Excluded:

(2) From prior docket #s and sourced accounts.

(3) From actual or estimated in-service data provided by the company.

(4) Tax depreciation rates utilized by the company.

Total Surcharge Amt: \$ 45,852,773 \$ 46,760,337 \$ 47,431,797 \$ 47,878,505 \$ 48,324,010 \$ 49,613,189

SEC Total:

**Tennessee American Water Company
Qualified Infrastructure Improvement Program
Economic Development Rider
Safety and Environmental Compliance Rider**

STRATEGIC CAPITAL EXPENDITURE PLAN PROGRAM

Actual

Business Unit Tennessee

Revision Date September 21, 2016

Description	TN BP 2017-2021 SCEP

[illegible]

Tennessee American Water Company
Qualified Infrastructure Improvement Program
Economic Development Rider
Safety and Environmental Compliance Rider

**STRATEGIC CAPITAL EXPENDITURE PLAN
PROGRAM**

Actual

Business Unit Tennessee

Revision Date September 21, 2016

Description TN BP 2017-2021 SCEP

						Cumulative Balance of In-Serviced Plant, from 2017 Capex, by Period					
Line #	Business Unit No.		Project Title	Account	Account Description	7	8	9	10	11	12
1			RECURRING PROJECTS								
2	TN	DV	Projects Funded by Others	331001	Transmission & Distribution Mains	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
3	TN	DV		333000	Services	-	-	-	-	-	-
4	TN	DV		335000	Hydrants	-	-	-	-	-	-
5											
6	TN	A	Mains - New	331001	Transmission & Distribution Mains	633,447	633,447	633,447	884,076	883,231	905,421
7	TN	A		333000	Services	5,754	5,754	5,754	5,754	5,754	7,459
8	TN	A		334300	Meter Vaults	18,184	18,184	18,184	18,184	18,184	18,184
9	TN	A		335000	Hydrants	25,369	25,369	25,369	50,432	50,347	53,504
10											
11	TN	B	Mains - Replaced / Restored	331001	Transmission & Distribution Mains	3,614,681	3,980,061	3,863,964	3,991,853	4,408,573	5,002,737
12	TN	B		333000	Services	267,503	291,979	344,144	372,608	439,140	486,978
13	TN	B		335000	Hydrants	91,605	94,943	85,016	99,880	109,749	116,906
14											
15	TN	C	Mains - Unscheduled	331001	Transmission & Distribution Mains	5,200,018	5,215,027	5,320,993	5,474,592	5,561,956	6,004,050
16	TN	C		335000	Hydrants	4,979	4,979	4,979	4,979	4,979	4,979
17											
18	TN	D	Mains - Relocated	331001	Transmission & Distribution Mains	1,679,129	3,584,515	3,578,170	3,580,848	3,576,028	3,576,035
19	TN	D		333000	Services	3,946	49,739	49,475	49,713	48,243	48,244
20	TN	D		335000	Hydrants	19,042	158,952	158,497	156,727	156,384	156,385
21											
22	TN	E	Hydrants, Valves, and Manholes - New	331001	Transmission & Distribution Mains	174,348	174,348	174,348	188,972	188,628	188,630
23	TN	E		335000	Hydrants	56,561	56,561	56,561	79,605	85,196	70,582
24											
25	TN	F	Hydrants, Valves, and Manholes - Replaced	331001	Transmission & Distribution Mains	155,883	155,883	155,883	155,999	191,330	191,331
26	TN	F		335000	Hydrants	582,101	591,654	596,061	615,057	601,233	626,189
27											
28	TN	G	Services and Laterals - New	333000	Services	-	-	-	-	-	-
29											
30	TN	H	Services and Laterals - Replaced	333000	Services	1,568,604	1,615,984	1,670,614	1,787,169	1,809,418	1,872,518
31	TN	H		334100	Meters	10,909	11,427	17,432	21,875	20,913	17,011
32											
33	TN	I	Meters - New	334100	Meters	-	-	-	-	-	-
34	TN	I		334200	Meter Installations	-	-	-	-	-	-
35											
36	TN	J	Meters - Replaced	334100	Meters	558,695	552,616	544,918	576,836	604,863	597,628
37	TN	J		334200	Meter Installations	2,661,412	2,855,262	3,003,441	3,197,472	3,684,073	3,814,438
38											
39	TN	K	ITS Equipment and Systems	340200	Computer & Peripheral Equipment	-	-	-	-	-	-
40											
41	TN	L	SCADA Equipment and Systems	320100	WT Equip Non-Media	268,337	268,337	268,337	268,337	268,337	268,337
42	TN	L		340200	Computer & Peripheral Equipment	55,351	55,351	55,351	55,351	55,351	55,351
43	TN	L		346100	Comm Equip Non-Telephone	41,119	41,119	41,119	41,119	41,119	41,119
44	TN	L		346190	Remote Control & Instrument	672,880	729,018	726,799	726,799	726,799	726,799
45											
46	TN	M	Security Equipment and Systems	304100	Struct & Imp-Supply	-	-	-	-	-	20,271
47	TN	M		304200	Struct & Imp-Pumping	-	-	-	-	-	-
48	TN	M		304300	Structures & Improvement - Treatment	190,927	245,692	245,692	245,692	245,692	316,721
49	TN	M		304400	Struct & Imp-Treatment-T&D	43,791	46,931	49,087	49,087	49,087	49,087
50	TN	M		304500	Structures & Improvement - General	6,193	6,193	6,193	6,193	6,193	6,193

**Tennessee American Water Company
Qualified Infrastructure Improvement Program
Economic Development Rider
Safety and Environmental Compliance Rider**

STRATEGIC CAPITAL EXPENDITURE PLAN PROGRAM

Actual

Business Unit Tennessee

Revision Date September 21, 2016

Description	TN BP 2017-2021 SCEP

					Cumulative Balance of In-Serviced Plant, from 2017 Capex, by Period						
Line #	Business Unit No.		Project Title	Account	Account Description	7	8	9	10	11	12
51	TN	M		340200	Computer & Peripheral Equipment	-	-	-	-	-	5,638
52											
53	TN	N	Offices and Operations Centers	304500	Structures & Improvement - General	-	-	-	-	-	-
54											
55	TN	O	Vehicles	341100	Transportation Equip Lt Duty Trucks	-	-	-	-	-	-
56	TN	O		341200	Transportation Equip Hvy Duty Trucks	-	-	-	-	-	-
57	TN	O		341300	Transportation Equip Autos	-	-	-	-	-	-
58											
59	TN	P	Tools and Equipment	343000	Tools, Shop, Garage Equipment	-	-	-	-	-	-
60											
61	TN	Q	Process Plant Facilities and Equipment	304100	Struct & Imp-Supply	237,419	237,419	237,419	237,419	695,926	712,119
62	TN	Q		304200	Struct & Imp-Pumping	375,402	375,402	349,718	349,718	349,718	833,440
63	TN	Q		304300	Struct & Imp-Treatment	74,473	74,473	74,473	74,473	147,120	151,998
64	TN	Q		304400	Struct & Imp-Treatment-T&D	25,679	25,679	25,679	25,679	25,679	25,679
65	TN	Q		304500	Structures & Improvement - General	61,239	61,239	61,239	61,239	61,239	61,239
66	TN	Q		304600	Struc &Imp-Offices	7,517	7,517	7,517	7,517	7,517	7,517
67	TN	Q		304700	Struct & Imp-Store,Shop,Garage	-	-	-	-	-	-
68	TN	Q		306000	Lake, River & Other Intakes	24,247	24,247	24,247	24,247	24,247	24,247
69	TN	Q		309000	Supply Mains	9,862	9,862	9,862	9,862	9,862	9,862
70	TN	Q		310000	Power Generation Equip	39,524	39,524	39,524	39,524	39,524	39,524
71	TN	Q		311200	Pump Eqp Electric	23,467	33,753	33,753	33,753	33,753	41,372
72	TN	Q		311520	Pumping Equipment SOS	1,240,754	1,359,583	1,393,681	1,395,900	1,392,076	1,735,922
73	TN	Q		320100	WT Equip Non-Media	2,245,035	2,275,716	2,277,857	2,280,357	2,513,915	2,643,609
74	TN	Q		320200	Water Trmt Equip Filter Media	707,783	707,783	707,783	707,783	857,108	923,326
75	TN	Q		330000	Dist Reservoirs & Standpipes	23,679	23,679	23,679	23,679	23,679	23,679
76	TN	Q		331001	Transmission & Distribution Mains	-	-	-	-	-	-
77	TN	Q		334100	Meters	-	-	-	-	-	-
78	TN	Q		340200	Computer & Peripheral Equipment	-	-	-	-	-	-
79	TN	Q		340300	Computer Software	99,427	99,427	99,427	99,427	99,427	99,427
80	TN	Q		340330	Computer Software Other	977	977	977	977	977	977
81	TN	Q		343000	Tools, Shop, Garage Equipment	3,294	3,294	3,294	3,294	3,294	3,294
82	TN	Q		344000	Laboratory Equipment	4,899	4,899	4,899	4,899	4,899	4,899
83	TN	Q		345000	Power Operated Equipment	41,485	41,485	41,485	41,485	41,485	41,485
84	TN	Q		346190	Remote Control & Instrument	3,502	3,502	3,502	3,502	3,502	6,104
85	TN	Q		347000	Misc Equipment	7,793	7,793	7,793	7,793	7,793	7,793
86											
87	TN	R	Capitalized Tank Rehabilitation/Painting	304300	Struct & Imp-Treatment	-	-	-	-	-	-
88	TN	R		304301	Struct & Imp-Treatment-Dpr Paint	1,250,689	1,250,689	1,250,689	1,250,689	1,250,689	1,250,689
89	TN	R		320100	WT Equip Non-Media	259,932	259,932	259,932	259,932	259,932	259,932
90	TN	R		320200	Water Trmt Equip Filter Media	52,740	52,740	52,740	52,740	52,740	52,740
91	TN	R		330000	Dist Reservoirs & Standpipes	23,045	23,045	23,045	23,045	23,045	23,045
92	TN	R		330003	Tank Repainting	338,167	338,167	338,167	338,167	338,167	940,315
93	TN	R		330100	Elevated Tanks & Standpipes	90,599	90,599	90,599	90,599	90,599	90,599
94	TN	R		330200	Ground Level Tanks	-	-	-	-	-	485,065
95											
96	TN	S	Engineering Studies	331001	Transmission & Distribution Mains	-	-	-	-	-	-
97			Total Recurring Projects								
98			ACQUISITIONS								
99											
100											

**Tennessee American Water Company
Qualified Infrastructure Improvement Program
Economic Development Rider
Safety and Environmental Compliance Rider**

STRATEGIC CAPITAL EXPENDITURE PLAN
PROGRAM

Actual

Business Unit Tennessee

Revision Date September 21, 2016

Revision Date	September 22, 2020
Description	TN BP 2017-2021 SCEP

						Cumulative Balance of In-Serviced Plant, from 2017 Capex, by Period						
Line #	Business Unit No.		Project Title	Account	Account Description	7	8	9	10	11	12	
101			Total Acquisitions									
102												
103			CENTRALLY SPONSORED PROJECTS									
104	TN	T26-0202	Business Transformation 2010 - 2014	340315	Computer Software Special Deprec Rate	-	-	-	-	-	-	
105	TN	T26-0203	Business Transformation 2010 - 2014	340315	Computer Software Special Deprec Rate	-	-	-	-	-	-	
106			Total Centrally Sponsored Projects									
107												
108			INVESTMENT PROJECTS									
109	TN	I26-020017	Electrical Motor Efficiency Enhancement (\$2.9)			0	0	0	0	0	0	
110	TN	I26-020027	Construct 1.0MG Tank & 2500-16" ER (\$1.0)			0	0	0	0	0	0	
111	TN	I26-020028	Citico Plant Improvements Phase 1B (\$8.6)	304300	Struct & Imp-Treatment	6,105,537	6,105,537	6,103,569	6,103,569	6,103,569	6,103,569	
112	TN	I26-020028		320100	WT Equip Non-Media	2,108,898	2,108,898	2,108,898	2,108,898	2,108,898	2,108,898	
	TN	I26-020028		346190	Remote Control & Instrument	207,335	207,335	207,335	207,335	207,335	207,335	
113	TN	I26-020032	Wastewater Treatm't & Handling Impr (\$15.3)	304200	Struct & Imp-Pumping	0	0	0	0	0	0	
114	TN	I26-020032		304300	Struct & Imp-Treatment	4,141,710	4,141,710	4,141,710	4,141,710	4,141,710	4,141,710	
115	TN	I26-020032		304400	Struct & Imp-T&D	0	0	0	0	0	0	
116	TN	I26-020032		304500	Structures & Improvement - General	1,062,411	1,062,411	1,062,411	1,062,411	1,062,411	1,062,411	
117	TN	I26-020032		320100	WT Equip Non-Media	10,336,541	10,336,541	10,336,541	10,336,541	10,336,541	10,336,541	
118	TN	I26-020032		330200	Ground Level Tanks	0	0	0	0	0	0	
119	TN	I26-020032		347000	Misc Equipment	5,946	5,946	5,946	5,946	5,946	5,946	
120	TN	I26-020034	Tennessee River Crossing (\$2.5)	331001	Transmission & Distribution Mains	0	0	0	0	0	0	
121	TN	I26-020038	Retire Basin 1	304300	Struct & Imp-WT	0	0	0	0	0	0	
122	TN	I26-020039	Basin 2 Tube Settlers			0	0	0	0	0	0	
123	TN	I26-020040	Chlorine Gas Conversion			0	0	0	0	0	0	
124	TN	I26-020041	Electrical - Breakers and Relays (\$0.6)	311200	Pump Eqp Electric	0	0	0	0	0	0	
125	TN	I26-020042	Pumping Auxiliary Power (\$1.4)			0	0	0	0	0	0	
126	TN	I26-020043	Energy Reduction and Efficiency (\$0.87)			0	0	0	0	0	0	
127	TN	I26-020044	New Raw Water Intake Citico (\$13)			0	0	0	0	0	0	
128	TN	I26-020045	Renovate Filter Bldg 3 (\$0.75)			0	0	0	0	0	0	
129	TN	I26-020046	New Field Services Facility (\$4.5)			0	0	0	0	0	0	
130	TN	I26-050001	Raw Water Intake Improvements Whitwell (\$2)			0	0	0	0	0	0	
131	TN	I26-050002	Facility Upgrades at Whitwell WTP (\$0.3)	320100	WT Equip Non-Media	0	0	0	0	0	63,811	
				346190	Remote Control & Instrument	0	0	0	0	0	286,295	
132	TN	I26-050003	Replace 0.5 MG Storage Tanks at Whitwell (\$.5)			0	0	0	0	0	0	
133	TN	I26-050004	Replace 0.1 MG Storage Tank at Whitwell (\$0.3)			0	0	0	0	0	0	
134	TN	I26-020002	Post Acquisition BD Capex			0	0	0	0	0	0	
135	TN	I26-000001	Whitwell Acquisition Capital Investment	331001	Transmission & Distribution Mains	0	0	0	0	0	0	
136	TN	I26-000001		320200	Water Trmt Equip Filter Media	0	0	0	0	0	0	
137	TN	I26-000001		311520	Pumping Equipment SOS	0	0	0	0	0	0	
138	TN	I26-000001		340200	Computer & Peripheral Equipment	0	0	0	0	0	0	
139												
140	(1) Amounts not reflected in actuals through 2016 or projections based on project costs through 2017.					Total DV Included:					60,065,138	
141												
142						Total DV Excluded:					60,065,138	
143	(2) From prior docket #s and sourced accounts.											
144	(3) From actual or estimated in-service data provided by the company.					Total Surcharge Amt:	\$ 49,851,772	\$ 52,870,128	\$ 53,109,217	\$ 54,119,316	\$ 56,165,122	60,065,138
145	(4) Tax depreciation rates utilized by the company.											
146						SEC Total:						24,783,741
147												

Tennessee American Water Company
Qualified Infrastructure Improvement Program
Economic Development Rider
Safety and Environmental Compliance Rider

STRATEGIC CAPITAL EXPENDITURE PLAN
PROGRAM

Actual
Business Unit Tennessee
Revision Date September 21, 2016
Description TN BP 2017-2021 SCEP

					Cumulative Balance of In-Serviced Plant, from 2017 Capex, by Period					
Line #	Business Unit No.	Project Title	Account	Account Description	7	8	9	10	11	12
148				EDI Total:						1,243,780
149										
150				QIIP Total:						34,037,617

Tennessee American Water Company
Qualified Infrastructure Improvement Program
Economic Development Rider
Safety and Environmental Compliance Rider

STRATEGIC CAPITAL EXPENDITURE PLAN
PROGRAM

Actual

Business Unit Tennessee

Revision Date September 21, 2016

Description TN BP 2017-2021 SCEP

Description						2017						
Line #	Business Unit No.		Project Title	Account	Account Description	Surcharge	Average Plant in Service	Average Retirements (Replacement Projects Only)	Average CIAC	Depreciation Expense	Average Cost of Removal Less Salvage	Tax Depr class life
1			RECURRING PROJECTS									
2	TN	DV	Projects Funded by Others	331001	Transmission & Distribution Mains		\$ -	\$ -	\$ -	\$ -	\$ -	25 yr
3	TN	DV		333000	Services		0	0	0	0	0	25 yr
4	TN	DV		335000	Hydrants		0	0	0	0	0	25 yr
5												
6	TN	A	Mains - New	331001	Transmission & Distribution Mains	EDI	684,389	0	0	8,555	0	25 yr
7	TN	A		333000	Services	EDI	5,885	0	0	65	0	25 yr
8	TN	A		334300	Meter Vaults	EDI	18,184	0	0	496	0	25 yr
9	TN	A		335000	Hydrants	EDI	31,331	0	0	721	0	25 yr
10												
11	TN	B	Mains - Replaced / Restored	331001	Transmission & Distribution Mains	QIIP	3,458,008	(148,922)	0	41,364	50,568	25 yr
12	TN	B		333000	Services	QIIP	283,659	(100)	0	3,147	46,610	25 yr
13	TN	B		335000	Hydrants	QIIP	74,048	(1,386)	0	1,671	626	25 yr
14												
15	TN	C	Mains - Unscheduled	331001	Transmission & Distribution Mains	QIIP	4,981,156	(202,877)	0	59,728	508,978	25 yr
16	TN	C		335000	Hydrants	QIIP	4,979	0	0	115	0	25 yr
17												
18	TN	D	Mains - Relocated	331001	Transmission & Distribution Mains	QIIP	2,357,278	(131,434)	(1,108,629)	13,965	122,173	25 yr
19	TN	D		333000	Services	QIIP	20,296	0	(11,491)	98	49,148	25 yr
20	TN	D		335000	Hydrants	QIIP	69,456	(64,148)	(44,586)	(903)	0	25 yr
21												
22	TN	E	Hydrants, Valves, and Manholes - New	331001	Transmission & Distribution Mains	EDI	173,591	0	0	2,170	0	25 yr
23	TN	E		335000	Hydrants	EDI	57,011	(882)	(8,114)	1,104	933	25 yr
24												
25	TN	F	Hydrants, Valves, and Manholes - Replaced	331001	Transmission & Distribution Mains	QIIP	160,156	(16,644)	0	1,794	42,078	25 yr
26	TN	F		335000	Hydrants	QIIP	567,527	(40,440)	(808)	12,104	8,309	25 yr
27												
28	TN	G	Services and Laterals - New	333000	Services		0	0	0	0	0	25 yr
29												
30	TN	H	Services and Laterals - Replaced	333000	Services	QIIP	1,535,916	(41,159)	0	16,592	374,617	25 yr
31	TN	H		334100	Meters	QIIP	11,687	(7,151)	0	339	10,277	25 yr
32												
33	TN	I	Meters - New	334100	Meters		0	0	0	0	0	25 yr
34	TN	I		334200	Meter Installations		0	0	0	0	0	25 yr
35												
36	TN	J	Meters - Replaced	334100	Meters	QIIP	510,668	(472,973)	0	2,816	142,005	25 yr
37	TN	J		334200	Meter Installations	QIIP	2,805,089	(87,260)	0	74,197	562,153	25 yr
38												
39	TN	K	ITS Equipment and Systems	340200	Computer & Peripheral Equipment		0	0	0	0	0	5 yr
40												
41	TN	L	SCADA Equipment and Systems	320100	WT Equip Non-Media	SEC	268,337	(12,365)	0	2,790	5,933	25 yr
42	TN	L		340200	Computer & Peripheral Equipment	SEC	52,956	0	0	1,160	1,884	5 yr
43	TN	L		346100	Comm Equip Non-Telephone	SEC	41,119	0	0	1,731	0	5 yr
44	TN	L		346190	Remote Control & Instrument	SEC	662,249	(69,447)	0	24,957	35,034	5 yr
45												
46	TN	M	Security Equipment and Systems	304100	Struct & Imp-Supply	SEC	1,689	0	0	31	0	39 yr
47	TN	M		304200	Struct & Imp-Pumping	SEC	0	(6,278)	0	(124)	0	39 yr
48	TN	M		304300	Structures & Improvement - Treatment	SEC	217,453	(5,678)	0	8,704	3,982	39 yr
49	TN	M		304400	Struct & Imp-Treatment-T&D	SEC	45,662	0	0	973	0	39 yr
50	TN	M		304500	Structures & Improvement - General	SEC	6,193	0	0	70	0	39 yr

**Tennessee American Water Company
Qualified Infrastructure Improvement Program
Economic Development Rider
Safety and Environmental Compliance Rider**

STRATEGIC CAPITAL EXPENDITURE PLAN PROGRAM

Actual

Business Unit Tennessee

Revision Date September 21, 2016

Description	TN BP 2017-2021 SCEP

2017

Line #	Business Unit No.		Project Title	Account	Account Description	Surcharge	Average Plant in Service	Average Retirements (Replacement Projects Only)	Average CIAC	Depreciation Expense	Average Cost of Removal Less Salvage	Tax Depr class life
51	TN	M		340200	Computer & Peripheral Equipment	SEC	470	0	0	9	0	5 yr
52												
53	TN	N	Offices and Operations Centers	304500	Structures & Improvement - General		0	0	0	0	0	39 yr
54												
55	TN	O	Vehicles	341100	Transportation Equip Lt Duty Trucks		0	0	0	0	0	5 yr
56	TN	O		341200	Transportation Equip Hvy Duty Trucks		0	0	0	0	0	5 yr
57	TN	O		341300	Transportation Equip Autos		0	0	0	0	0	5 yr
58												
59	TN	P	Tools and Equipment	343000	Tools, Shop, Garage Equipment		0	0	0	0	0	25 yr
60												
61	TN	Q	Process Plant Facilities and Equipment	304100	Struct & Imp-Supply	SEC	309,287	0	0	6,124	874	39 yr
62	TN	Q		304200	Struct & Imp-Pumping	SEC	404,648	(22,521)	0	7,566	17,591	39 yr
63	TN	Q		304300	Struct & Imp-Treatment	SEC	81,948	(12,652)	0	2,848	2,123	39 yr
64	TN	Q		304400	Struct & Imp-Treatment-T&D	SEC	25,679	0	0	547	0	39 yr
65	TN	Q		304500	Structures & Improvement - General	SEC	59,043	0	0	667	277	39 yr
66	TN	Q		304600	Struc & Imp-Offices	SEC	5,638	0	0	59	0	39 yr
67	TN	Q		304700	Struct & Imp-Store,Shop,Garage	SEC	0	(7,869)	0	(57)	1	39 yr
68	TN	Q		306000	Lake, River & Other Intakes	SEC	24,247	0	0	201	313	25 yr
69	TN	Q		309000	Supply Mains	SEC	9,862	0	0	184	0	25 yr
70	TN	Q		310000	Power Generation Equip	SEC	37,299	0	0	4,599	115	25 yr
71	TN	Q		311200	Pump Eqp Electric	SEC	27,639	(95,454)	0	(1,661)	25,659	25 yr
72	TN	Q		311520	Pumping Equipment SOS	SEC	1,240,269	(62,159)	0	21,559	17,944	25 yr
73	TN	Q		320100	WT Equip Non-Media	SEC	2,231,286	(373,721)	0	20,247	293,548	25 yr
74	TN	Q		320200	Water Trmnt Equip Filter Media	SEC	734,947	(356,063)	0	127,646	387,829	25 yr
75	TN	Q		330000	Dist Reservoirs & Standpipes	SEC	22,129	(0)	0	460	0	25 yr
76	TN	Q		331001	Transmission & Distribution Mains	SEC	0	(78)	0	(1)	0	25 yr
77	TN	Q		334100	Meters	SEC	0	0	0	0	0	25 yr
78	TN	Q		340200	Computer & Peripheral Equipment	SEC	0	(0)	0	(0)	105	5 yr
79	TN	Q		340300	Computer Software	SEC	99,427	0	0	1,680	0	5 yr
80	TN	Q		340330	Computer Software Other	SEC	977	0	0	17	0	5 yr
81	TN	Q		343000	Tools, Shop, Garage Equipment	SEC	3,294	(2,705)	0	41	0	25 yr
82	TN	Q		344000	Laboratory Equipment	SEC	3,816	(149,771)	0	(1,474)	1,118	25 yr
83	TN	Q		345000	Power Operated Equipment	SEC	41,485	(11,283)	0	2,123	1,676	25 yr
84	TN	Q		346190	Remote Control & Instrument	SEC	3,702	(3,100)	0	25	0	5 yr
85	TN	Q		347000	Misc Equipment	SEC	7,793	(3,043)	0	301	2,829	25 yr
86												
87	TN	R	Capitalized Tank Rehabilitation/Painting	304300	Struct & Imp-Treatment	QIIP	0	(94,900)	0	(3,900)	0	39 yr
88	TN	R		304301	Struct & Imp-Treatment-Dpr Paint	QIIP	1,250,689	(170,157)	0	130,312	661,770	39 yr
89	TN	R		320100	WT Equip Non-Media	QIIP	259,932	(123,785)	0	1,484	89,500	25 yr
90	TN	R		320200	Water Trmnt Equip Filter Media	QIIP	52,740	(36,378)	0	5,512	206,460	25 yr
91	TN	R		330000	Dist Reservoirs & Standpipes	QIIP	23,045	0	0	479	0	25 yr
92	TN	R		330003	Tank Repainting	QIIP	384,486	(109,594)	0	30,458	205,907	25 yr
93	TN	R		330100	Elevated Tanks & Standpipes	QIIP	90,599	0	0	2,482	0	25 yr
94	TN	R		330200	Ground Level Tanks	QIIP	37,313	(446)	0	1,010	977	25 yr
95												
96	TN	S	Engineering Studies	331001	Transmission & Distribution Mains		0	0	0	0	0	25 yr
97			Total Recurring Projects									
98												
99			ACQUISITIONS									
100												

**Tennessee American Water Company
Qualified Infrastructure Improvement Program
Economic Development Rider
Safety and Environmental Compliance Rider**

STRATEGIC CAPITAL EXPENDITURE PLAN PROGRAM

Actual

Business Unit Tennessee

Revision Date September 21, 2016

Description	TN BP 2017-2021 SCEP

2017

Line #	Business Unit No.		Project Title	Account	Account Description	Surcharge	Average Plant in Service	Average Retirements (Replacement Projects Only)	Average CIAC	Depreciation Expense	Average Cost of Removal Less Salvage	Tax Depr class life
101			Total Acquisitions									
102												
103			CENTRALLY SPONSORED PROJECTS									
104	TN	T26-0202	Business Transformation 2010 - 2014	340315	Computer Software Special Deprec Rate		0	0	0	0	0	3 yr
105	TN	T26-0203	Business Transformation 2010 - 2014	340315	Computer Software Special Deprec Rate		0	0	0	0	0	3 yr
106			Total Centrally Sponsored Projects									
107												
108			INVESTMENT PROJECTS									
109	TN	I26-020017	Electrical Motor Efficiency Enhancement (\$2.9)			SEC	0					
110	TN	I26-020027	Construct 1.0MG Tank & 2500-16" ER (\$1.0)			EDI	0					
111	TN	I26-020028	Citico Plant Improvements Phase 1B (\$8.6)	304300	Struct & Imp-Treatment	QIIP	6,212,989	0	0	255,354	0	39 yr
112	TN	I26-020028		320100	WT Equip Non-Media	QIIP	2,104,977	(29,444)	0	22,623	392,431	25 yr
	TN	I26-020028		346190	Remote Control & Instrument	QIIP	95,920	0	0	4,038	0	
113	TN	I26-020032	Wastewater Treatm't & Handling Impr (\$15.3)	304200	Struct & Imp-Pumping	SEC	3,448	(14,622)	0	(221)	187,195	39 yr
114	TN	I26-020032		304300	Struct & Imp-Treatment	SEC	3,733,867	(54,346)	0	151,228	1,181,278	39 yr
115	TN	I26-020032		304400	Struct & Imp-T&D	SEC	0	0	0	0	0	39 yr
116	TN	I26-020032		304500	Structures & Improvement - General	SEC	2,754,776	0	0	31,129	0	39 yr
117	TN	I26-020032		320100	WT Equip Non-Media	SEC	9,038,006	(305)	0	98,511	444	25 yr
118	TN	I26-020032		330200	Ground Level Tanks	SEC	10,563	0	0	289	0	25 yr
119	TN	I26-020032		347000	Misc Equipment	SEC	8,930	0	0	565	0	25 yr
120	TN	I26-020034	Tennessee River Crossing (\$2.5)	331001	Transmission & Distribution Mains	QIIP	0					25 yr
121	TN	I26-020038	Retire Basin 1	304300	Struct & Imp-WT	SEC	0					39 yr
122	TN	I26-020039	Basin 2 Tube Settlers			SEC	0					
123	TN	I26-020040	Chlorine Gas Conversion			SEC	0					
124	TN	I26-020041	Electrical - Breakers and Relays (\$0.6)	311200	Pump Eqp Electric	QIIP	0					25 yr
125	TN	I26-020042	Pumping Auxiliary Power (\$1.4)			SEC	0					
126	TN	I26-020043	Energy Reduction and Efficiency (\$0.87)			QIIP	0					
127	TN	I26-020044	New Raw Water Intake Citico (\$13)			SEC	0					
128	TN	I26-020045	Renovate Filter Bldg 3 (\$0.75)			QIIP	0					
129	TN	I26-020046	New Field Services Facility (\$4.5)				0					
130	TN	I26-050001	Raw Water Intake Improvements Whitwell (\$2)			SEC	0					
131	TN	I26-050002	Facility Upgrades at Whitwell WTP (\$0.3)	320100	WT Equip Non-Media	SEC	4,909	0	0	54	0	
	TN	I26-050002		346190	Remote Control & Instrument	SEC	22,023	0	0	927	0	
132	TN	I26-050003	Replace 0.5 MG Storage Tanks at Whitwell (\$.5)			SEC	0					
133	TN	I26-050004	Replace 0.1 MG Storage Tank at Whitwell (\$0.3)			SEC	0					
134	TN	I26-020002	Post Acquisition BD Capex				0					
135	TN	I26-000001	Whitwell Acquisition Capital Investment	331001	Transmission & Distribution Mains	QIIP	0					25 yr
136	TN	I26-000001		320200	Water Trmt Equip Filter Media	QIIP	0					25 yr
137	TN	I26-000001		311520	Pumping Equipment SOS	QIIP	0					25 yr
138	TN	I26-000001		340200	Computer & Peripheral Equipment	QIIP	0					5 yr
139												
140	(1) Amounts not reflected in actuals through 2016 or projections based on project costs through 2017.		Total DV Included:				\$ 50,570,071	\$ (3,043,540)	\$ (1,173,628)	\$ 1,206,475	\$ 5,643,273	
141			Total DV Excluded:				\$ 50,570,071	\$ (3,043,540)	\$ (1,173,628)	\$ 1,206,475	\$ 5,643,273	
142							\$ 50,570,071	\$ (3,043,540)	\$ (1,173,628)	\$ 1,206,475	\$ 5,643,273	
143	(2) From prior docket #s and sourced accounts.						\$ 50,570,071	\$ (3,043,540)	\$ (1,173,628)	\$ 1,206,475	\$ 5,643,273	
144	(3) From actual or estimated in-service data provided by the company.		Total Surcharge Amt:				\$ 50,570,071	\$ (3,043,540)	\$ (1,173,628)	\$ 1,206,475	\$ 5,643,273	
145	(4) Tax depreciation rates utilized by the company.						\$ 50,570,071	\$ (3,043,540)	\$ (1,173,628)	\$ 1,206,475	\$ 5,643,273	
146			SEC Total:				\$ 22,247,065	\$ (1,263,459)	\$ -	\$ 516,484	\$ 2,167,754	
147												

Tennessee American Water Company
Qualified Infrastructure Improvement Program
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Safety and Environmental Compliance Rider

STRATEGIC CAPITAL EXPENDITURE PLAN
PROGRAM

Actual
Business Unit Tennessee
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Description TN BP 2017-2021 SCEP

2017											
Line #	Business Unit No.	Project Title	Account	Account Description	Surcharge	Average Plant in Service	Average Retirements (Replacement Projects Only)	Average CIAC	Depreciation Expense	Average Cost of Removal Less Salvage	Tax Depr class life
148				EDI Total:		\$ 970,392	\$ (882)	\$ (8,114)	\$ 13,111	\$ 933	
149											
150				QIIP Total:		\$ 27,352,614	\$ (1,779,199)	\$ (1,165,514)	\$ 676,880	\$ 3,474,587	

Tennessee American Water Company
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STRATEGIC CAPITAL EXPENDITURE PLAN

PROGRAM

Actual

Business Unit Tennessee

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Description TN BP 2017-2021 SCEP

Line #	Business Unit No.	Project Title	Account	Account Description	Y1 Tax Depr Rate (4)	Y2 Tax Depr Rate (4)	Y3 Tax Depr Rate (4)	Y4 Tax Depr Rate (4)	Tax Depreciation	Tax over Book Depreciation
1		RECURRING PROJECTS								
2	TN	DV	331001	Transmission & Distribution Mains	0.02	0.04	0.04	0.04	\$ -	0
3	TN	DV	333000	Services	0.02	0.04	0.04	0.04	-	0
4	TN	DV	335000	Hydrants	0.02	0.04	0.04	0.04	-	0
5										
6	TN	A	331001	Transmission & Distribution Mains	0.02	0.04	0.04	0.04	30,060	21,505
7	TN	A	333000	Services	0.02	0.04	0.04	0.04	264	199
8	TN	A	334300	Meter Vaults	0.02	0.04	0.04	0.04	727	231
9	TN	A	335000	Hydrants	0.02	0.04	0.04	0.04	1,564	843
10										
11	TN	B	331001	Transmission & Distribution Mains	0.02	0.04	0.04	0.04	150,502	109,139
12	TN	B	333000	Services	0.02	0.04	0.04	0.04	13,297	10,149
13	TN	B	335000	Hydrants	0.02	0.04	0.04	0.04	2,995	1,324
14										
15	TN	C	331001	Transmission & Distribution Mains	0.02	0.04	0.04	0.04	203,257	143,529
16	TN	C	335000	Hydrants	0.02	0.04	0.04	0.04	199	85
17										
18	TN	D	331001	Transmission & Distribution Mains	0.02	0.04	0.04	0.04	49,901	35,935
19	TN	D	333000	Services	0.02	0.04	0.04	0.04	394	296
20	TN	D	335000	Hydrants	0.02	0.04	0.04	0.04	1,043	1,946
21										
22	TN	E	331001	Transmission & Distribution Mains	0.02	0.04	0.04	0.04	6,723	4,553
23	TN	E	335000	Hydrants	0.02	0.04	0.04	0.04	1,722	617
24										
25	TN	F	331001	Transmission & Distribution Mains	0.02	0.04	0.04	0.04	6,642	4,849
26	TN	F	335000	Hydrants	0.02	0.04	0.04	0.04	22,546	10,442
27										
28	TN	G	333000	Services	0.02	0.04	0.04	0.04	-	0
29										
30	TN	H	333000	Services	0.02	0.04	0.04	0.04	63,037	46,445
31	TN	H	334100	Meters	0.02	0.04	0.04	0.04	440	101
32										
33	TN	I	334100	Meters	0.02	0.04	0.04	0.04	-	0
34	TN	I	334200	Meter Installations	0.02	0.04	0.04	0.04	-	0
35										
36	TN	J	334100	Meters	0.02	0.04	0.04	0.04	17,860	15,045
37	TN	J	334200	Meter Installations	0.02	0.04	0.04	0.04	123,548	49,351
38										
39	TN	K	340200	Computer & Peripheral Equipment	0.2	0.32	0.192	0.1152	-	0
40										
41	TN	L	320100	WT Equip Non-Media	0.02	0.04	0.04	0.04	10,733	7,943
42	TN	L	340200	Computer & Peripheral Equipment	0.2	0.32	0.192	0.1152	15,669	14,509
43	TN	L	346100	Comm Equip Non-Telephone	0.2	0.32	0.192	0.1152	3,492	1,761
44	TN	L	346190	Remote Control & Instrument	0.2	0.32	0.192	0.1152	146,440	121,483
45										
46	TN	M	304100	Struct & Imp-Supply	0.01282	0.02564	0.02564	0.02564	260	229
47	TN	M	304200	Struct & Imp-Pumping	0.01282	0.02564	0.02564	0.02564	-	124
48	TN	M	304300	Structures & Improvement - Treatment	0.01282	0.02564	0.02564	0.02564	6,508	(2,196)
49	TN	M	304400	Struct & Imp-Treatment-T&D	0.01282	0.02564	0.02564	0.02564	1,191	218
50	TN	M	304500	Structures & Improvement - General	0.01282	0.02564	0.02564	0.02564	159	89

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STRATEGIC CAPITAL EXPENDITURE PLAN PROGRAM

Actual

Business Unit Tennessee

Revision Date September 21, 2016

Description	TN BP 2017-2021 SCEP

Line #	Business Unit No.		Project Title	Account	Account Description	Y1 Tax	Y2 Tax	Y3 Tax	Y4 Tax	Tax Depreciation	Tax over Book Depreciation
	Depr Rate (4)	Depr Rate (4)				Depr Rate (4)	Depr Rate (4)				
51	TN	M		340200	Computer & Peripheral Equipment	0.2	0.32	0.192	0.1152	1,128	1,118
52											
53	TN	N	Offices and Operations Centers	304500	Structures & Improvement - General	0.01282	0.02564	0.02564	0.02564	-	0
54											
55	TN	O	Vehicles	341100	Transportation Equip Lt Duty Trucks	0.2	0.32	0.192	0.1152	-	0
56	TN	O		341200	Transportation Equip Hvy Duty Trucks	0.2	0.32	0.192	0.1152	-	0
57	TN	O		341300	Transportation Equip Autos	0.2	0.32	0.192	0.1152	-	0
58											
59	TN	P	Tools and Equipment	343000	Tools, Shop, Garage Equipment	0.02	0.04	0.04	0.04	-	0
60											
61	TN	Q	Process Plant Facilities and Equipment	304100	Struct & Imp-Supply	0.01282	0.02564	0.02564	0.02564	12,187	6,063
62	TN	Q		304200	Struct & Imp-Pumping	0.01282	0.02564	0.02564	0.02564	15,495	7,929
63	TN	Q		304300	Struct & Imp-Treatment	0.01282	0.02564	0.02564	0.02564	2,224	(624)
64	TN	Q		304400	Struct & Imp-Treatment-T&D	0.01282	0.02564	0.02564	0.02564	658	171
65	TN	Q		304500	Structures & Improvement - General	0.01282	0.02564	0.02564	0.02564	1,140	473
66	TN	Q		304600	Struc & Imp-Offices	0.01282	0.02564	0.02564	0.02564	96	38
67	TN	Q		304700	Struct & Imp-Store,Shop,Garage	0.01282	0.02564	0.02564	0.02564	-	57
68	TN	Q		306000	Lake, River & Other Intakes	0.02	0.04	0.04	0.04	970	769
69	TN	Q		309000	Supply Mains	0.02	0.04	0.04	0.04	394	210
70	TN	Q		310000	Power Generation Equip	0.02	0.04	0.04	0.04	1,292	(3,307)
71	TN	Q		311200	Pump Eqp Electric	0.02	0.04	0.04	0.04	1,249	2,910
72	TN	Q		311520	Pumping Equipment SOS	0.02	0.04	0.04	0.04	51,770	30,211
73	TN	Q		320100	WT Equip Non-Media	0.02	0.04	0.04	0.04	90,279	70,032
74	TN	Q		320200	Water Trmt Equip Filter Media	0.02	0.04	0.04	0.04	32,388	(95,259)
75	TN	Q		330000	Dist Reservoirs & Standpipes	0.02	0.04	0.04	0.04	474	13
76	TN	Q		331001	Transmission & Distribution Mains	0.02	0.04	0.04	0.04	-	1
77	TN	Q		334100	Meters	0.02	0.04	0.04	0.04	-	0
78	TN	Q		340200	Computer & Peripheral Equipment	0.2	0.32	0.192	0.1152	-	0
79	TN	Q		340300	Computer Software	0.2	0.32	0.192	0.1152	33,139	31,460
80	TN	Q		340330	Computer Software Other	0.2	0.32	0.192	0.1152	326	309
81	TN	Q		343000	Tools, Shop, Garage Equipment	0.02	0.04	0.04	0.04	132	91
82	TN	Q		344000	Laboratory Equipment	0.02	0.04	0.04	0.04	127	1,601
83	TN	Q		345000	Power Operated Equipment	0.02	0.04	0.04	0.04	1,659	(464)
84	TN	Q		346190	Remote Control & Instrument	0.2	0.32	0.192	0.1152	1,193	1,167
85	TN	Q		347000	Misc Equipment	0.02	0.04	0.04	0.04	312	11
86											
87	TN	R	Capitalized Tank Rehabilitation/Painting	304300	Struct & Imp-Treatment	0.01282	0.02564	0.02564	0.02564	-	3,900
88	TN	R		304301	Struct & Imp-Treatment-Dpr Paint	0.01282	0.02564	0.02564	0.02564	32,068	(98,244)
89	TN	R		320100	WT Equip Non-Media	0.02	0.04	0.04	0.04	10,397	8,913
90	TN	R		320200	Water Trmt Equip Filter Media	0.02	0.04	0.04	0.04	2,110	(3,403)
91	TN	R		330000	Dist Reservoirs & Standpipes	0.02	0.04	0.04	0.04	922	442
92	TN	R		330003	Tank Repainting	0.02	0.04	0.04	0.04	25,570	(4,888)
93	TN	R		330100	Elevated Tanks & Standpipes	0.02	0.04	0.04	0.04	3,624	1,142
94	TN	R		330200	Ground Level Tanks	0.02	0.04	0.04	0.04	9,701	8,691
95											
96	TN	S	Engineering Studies	331001	Transmission & Distribution Mains	0.02	0.04	0.04	0.04	-	0
97			Total Recurring Projects								
98			ACQUISITIONS								
99											
100											

**Tennessee American Water Company
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STRATEGIC CAPITAL EXPENDITURE PLAN PROGRAM

Actual

Business Unit Tennessee

Revision Date September 21, 2016

Description	TN BP 2017-2021 SCEP

Line #	Business Unit No.		Project Title	Account	Account Description	Y1 Tax Depr Rate (4)	Y2 Tax Depr Rate (4)	Y3 Tax Depr Rate (4)	Y4 Tax Depr Rate (4)	Tax Depreciation	Tax over Book Depreciation
101			Total Acquisitions								
102											
103			CENTRALLY SPONSORED PROJECTS								
104	TN	T26-0202	Business Transformation 2010 - 2014	340315	Computer Software Special Deprec Rate	0.3333	0.3333	0.3334	0	-	0
105	TN	T26-0203	Business Transformation 2010 - 2014	340315	Computer Software Special Deprec Rate	0.3333	0.3333	0.3334	0	-	0
106			Total Centrally Sponsored Projects								
107											
108			INVESTMENT PROJECTS								
109	TN	I26-020017	Electrical Motor Efficiency Enhancement (\$2.9)								
110	TN	I26-020027	Construct 1.0MG Tank & 2500-16" ER (\$1.0)								
111	TN	I26-020028	Citico Plant Improvements Phase 1B (\$8.6)	304300	Struct & Imp-Treatment	0.01282	0.02564	0.02564	0.02564	158,891	(96,463)
112	TN	I26-020028		320100	WT Equip Non-Media	0.02	0.04	0.04	0.04	84,114	61,491
	TN	I26-020028		346190	Remote Control & Instrument					41,467	37,429
113	TN	I26-020032	Wastewater Treatm't & Handling Impr (\$15.3)	304200	Struct & Imp-Pumping	0.01282	0.02564	0.02564	0.02564	187	408
114	TN	I26-020032		304300	Struct & Imp-Treatment	0.01282	0.02564	0.02564	0.02564	58,155	(93,073)
115	TN	I26-020032		304400	Struct & Imp-T&D	0.01282	0.02564	0.02564	0.02564	0	0
116	TN	I26-020032		304500	Structures & Improvement - General	0.01282	0.02564	0.02564	0.02564	130,332	99,203
117	TN	I26-020032		320100	WT Equip Non-Media	0.02	0.04	0.04	0.04	326,502	227,991
118	TN	I26-020032		330200	Ground Level Tanks	0.02	0.04	0.04	0.04	909	619
119	TN	I26-020032		347000	Misc Equipment	0.02	0.04	0.04	0.04	490	(76)
120	TN	I26-020034	Tennessee River Crossing (\$2.5)	331001	Transmission & Distribution Mains	0.02	0.04	0.04	0.04		
121	TN	I26-020038	Retire Basin 1	304300	Struct & Imp-WT	0.01282	0.02564	0.02564	0.02564		
122	TN	I26-020039	Basin 2 Tube Settlers								
123	TN	I26-020040	Chlorine Gas Conversion								
124	TN	I26-020041	Electrical - Breakers and Relays (\$0.6)	311200	Pump Eqp Electric	0.02	0.04	0.04	0.04		
125	TN	I26-020042	Pumping Auxiliary Power (\$1.4)								
126	TN	I26-020043	Energy Reduction and Efficiency (\$0.87)								
127	TN	I26-020044	New Raw Water Intake Citico (\$13)								
128	TN	I26-020045	Renovate Filter Bldg 3 (\$0.75)								
129	TN	I26-020046	New Field Services Facility (\$4.5)								
130	TN	I26-050001	Raw Water Intake Improvements Whitwell (\$2)								
131	TN	I26-050002	Facility Upgrades at Whitwell WTP (\$0.3)	320100	WT Equip Non-Media					1,276	1,223
	TN	I26-050002		346190	Remote Control & Instrument					57,259	56,332
132	TN	I26-050003	Replace 0.5 MG Storage Tanks at Whitwell (\$.5)								
133	TN	I26-050004	Replace 0.1 MG Storage Tank at Whitwell (\$0.3)								
134	TN	I26-020002	Post Acquisition BD Capex								
135	TN	I26-000001	Whitwell Acquisition Capital Investment	331001	Transmission & Distribution Mains	0.02	0.04	0.04	0.04	-	-
136	TN	I26-000001		320200	Water Trmt Equip Filter Media	0.02	0.04	0.04	0.04	-	-
137	TN	I26-000001		311520	Pumping Equipment SOS	0.02	0.04	0.04	0.04	-	-
138	TN	I26-000001		340200	Computer & Peripheral Equipment	0.2	0.32	0.192	0.1152	-	-
139											
140			(1) Amounts not reflected in actuals through 2016 or projections based on project costs through 2017.	Total DV Included:						\$ 2,073,777	\$ 867,302
141				Total DV Excluded:						\$ 2,073,777	\$ 867,302
142											
143			(2) From prior docket #s and sourced accounts.								
144			(3) From actual or estimated in-service data provided by the company.	Total Surcharge Amt:						\$ 2,073,777	\$ 867,302
145			(4) Tax depreciation rates utilized by the company.								
146				SEC Total:						\$ 1,008,192	\$ 491,708
147											

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PROGRAM

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Business Unit Tennessee
Revision Date September 21, 2016
Description TN BP 2017-2021 SCEP

Line #	Business Unit No.	Project Title	Account	Account Description	Y1 Tax Depr Rate (4)	Y2 Tax Depr Rate (4)	Y3 Tax Depr Rate (4)	Y4 Tax Depr Rate (4)	Tax Depreciation	Tax over Book Depreciation
148				EDI Total:					\$ 41,060	\$ 27,949
149										
150				QIIP Total:					\$ 1,024,524	\$ 347,645

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STRATEGIC CAPITAL EXPENDITURE PLAN
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Actual

Business Unit Tennessee

Revision Date September 21, 2016

Description TN BP 2017-2021 SCEP

Line #	Business Unit No.	Project Title	Account	Account Description	Tax Rate	Depreciation Deferred Tax (DTA, (DTL))	NOTES
1		RECURRING PROJECTS					
2	TN	DV					
3	TN	DV					
4	TN	DV					
5							
6	TN	A	Mains - New	331001	Transmission & Distribution Mains	0.39225	(8,435)
7	TN	A		333000	Services	0.39225	(78)
8	TN	A		334300	Meter Vaults	0.39225	(91)
9	TN	A		335000	Hydrants	0.39225	(331)
10							
11	TN	B	Mains - Replaced / Restored	331001	Transmission & Distribution Mains	0.39225	(42,810)
12	TN	B		333000	Services	0.39225	(3,981)
13	TN	B		335000	Hydrants	0.39225	(519)
14							
15	TN	C	Mains - Unscheduled	331001	Transmission & Distribution Mains	0.39225	(56,299)
16	TN	C		335000	Hydrants	0.39225	(33)
17							
18	TN	D	Mains - Relocated	331001	Transmission & Distribution Mains	0.39225	(14,096)
19	TN	D		333000	Services	0.39225	(116)
20	TN	D		335000	Hydrants	0.39225	(763)
21							
22	TN	E	Hydrants, Valves, and Manholes - New	331001	Transmission & Distribution Mains	0.39225	(1,786)
23	TN	E		335000	Hydrants	0.39225	(242)
24							
25	TN	F	Hydrants, Valves, and Manholes - Replaced	331001	Transmission & Distribution Mains	0.39225	(1,902)
26	TN	F		335000	Hydrants	0.39225	(4,096)
27							
28	TN	G	Services and Laterals - New	333000	Services	0.39225	-
29							
30	TN	H	Services and Laterals - Replaced	333000	Services	0.39225	(18,218)
31	TN	H		334100	Meters	0.39225	(40)
32							
33	TN	I	Meters - New	334100	Meters	0.39225	-
34	TN	I		334200	Meter Installations	0.39225	-
35							
36	TN	J	Meters - Replaced	334100	Meters	0.39225	(5,901)
37	TN	J		334200	Meter Installations	0.39225	(19,358)
38							
39	TN	K	ITS Equipment and Systems	340200	Computer & Peripheral Equipment	0.39225	-
40							
41	TN	L	SCADA Equipment and Systems	320100	WT Equip Non-Media	0.39225	(3,116)
42	TN	L		340200	Computer & Peripheral Equipment	0.39225	(5,691)
43	TN	L		346100	Comm Equip Non-Telephone	0.39225	(691)
44	TN	L		346190	Remote Control & Instrument	0.39225	(47,652)
45							
46	TN	M	Security Equipment and Systems	304100	Struct & Imp-Supply	0.39225	(90)
47	TN	M		304200	Struct & Imp-Pumping	0.39225	(49)
48	TN	M		304300	Structures & Improvement - Treatment	0.39225	861
49	TN	M		304400	Struct & Imp-Treatment-T&D	0.39225	(86)
50	TN	M		304500	Structures & Improvement - General	0.39225	(35)

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**STRATEGIC CAPITAL EXPENDITURE PLAN
PROGRAM**

Actual

Business Unit Tennessee

Revision Date September 21, 2016

Description TN BP 2017-2021 SCEP

Line #	Business Unit No.		Project Title	Account	Account Description	Tax Rate	Depreciation Deferred Tax (DTA, DTL)	NOTES
51	TN	M		340200	Computer & Peripheral Equipment	0.39225	(439)	
52								
53	TN	N	Offices and Operations Centers	304500	Structures & Improvement - General	0.39225	-	
54								
55	TN	O	Vehicles	341100	Transportation Equip Lt Duty Trucks	0.39225	-	
56	TN	O		341200	Transportation Equip Hvy Duty Trucks	0.39225	-	
57	TN	O		341300	Transportation Equip Autos	0.39225	-	
58								
59	TN	P	Tools and Equipment	343000	Tools, Shop, Garage Equipment	0.39225	-	
60								
61	TN	Q	Process Plant Facilities and Equipment	304100	Struct & Imp-Supply	0.39225	(2,378)	
62	TN	Q		304200	Struct & Imp-Pumping	0.39225	(3,110)	
63	TN	Q		304300	Struct & Imp-Treatment	0.39225	245	
64	TN	Q		304400	Struct & Imp-Treatment-T&D	0.39225	(44)	
65	TN	Q		304500	Structures & Improvement - General	0.39225	(186)	
66	TN	Q		304600	Struc & Imp-Offices	0.39225	(15)	
67	TN	Q		304700	Struct & Imp-Store,Shop,Garage	0.39225	(23)	
68	TN	Q		306000	Lake, River & Other Intakes	0.39225	(301)	
69	TN	Q		309000	Supply Mains	0.39225	(82)	
70	TN	Q		310000	Power Generation Equip	0.39225	1,297	
71	TN	Q		311200	Pump Eqp Electric	0.39225	(1,142)	
72	TN	Q		311520	Pumping Equipment SOS	0.39225	(11,850)	
73	TN	Q		320100	WT Equip Non-Media	0.39225	(27,470)	
74	TN	Q		320200	Water Trmt Equip Filter Media	0.39225	37,365	
75	TN	Q		330000	Dist Reservoirs & Standpipes	0.39225	(5)	
76	TN	Q		331001	Transmission & Distribution Mains	0.39225	(0)	
77	TN	Q		334100	Meters	0.39225	-	
78	TN	Q		340200	Computer & Peripheral Equipment	0.39225	(0)	
79	TN	Q		340300	Computer Software	0.39225	(12,340)	
80	TN	Q		340330	Computer Software Other	0.39225	(121)	
81	TN	Q		343000	Tools, Shop, Garage Equipment	0.39225	(36)	
82	TN	Q		344000	Laboratory Equipment	0.39225	(628)	
83	TN	Q		345000	Power Operated Equipment	0.39225	182	
84	TN	Q		346190	Remote Control & Instrument	0.39225	(458)	
85	TN	Q		347000	Misc Equipment	0.39225	(4)	
86								
87	TN	R	Capitalized Tank Rehabilitation/Painting	304300	Struct & Imp-Treatment	0.39225	(1,530)	
88	TN	R		304301	Struct & Imp-Treatment-Dpr Paint	0.39225	38,536	
89	TN	R		320100	WT Equip Non-Media	0.39225	(3,496)	
90	TN	R		320200	Water Trmt Equip Filter Media	0.39225	1,335	
91	TN	R		330000	Dist Reservoirs & Standpipes	0.39225	(174)	
92	TN	R		330003	Tank Repainting	0.39225	1,917	
93	TN	R		330100	Elevated Tanks & Standpipes	0.39225	(448)	
94	TN	R		330200	Ground Level Tanks	0.39225	(3,409)	
95								
96	TN	S	Engineering Studies	331001	Transmission & Distribution Mains	0.39225	-	
97			Total Recurring Projects					
98								
99			ACQUISITIONS					
100								

Tennessee American Water Company
Qualified Infrastructure Improvement Program
Economic Development Rider
Safety and Environmental Compliance Rider

**STRATEGIC CAPITAL EXPENDITURE PLAN
PROGRAM**

Actual

Business Unit Tennessee

Revision Date September 21, 2016

Description TN BP 2017-2021 SCEP

Line #	Business Unit No.	Project Title	Account	Account Description	Tax Rate	Depreciation Deferred Tax (DTA, (DTL))	NOTES
101		Total Acquisitions					
102							
103		CENTRALLY SPONSORED PROJECTS					
104	TN T26-0202	Business Transformation 2010 - 2014	340315	Computer Software Special Deprec Rate	0.39225	-	
105	TN T26-0203	Business Transformation 2010 - 2014	340315	Computer Software Special Deprec Rate	0.39225	-	
106		Total Centrally Sponsored Projects					
107							
108		INVESTMENT PROJECTS					
109	TN I26-020017	Electrical Motor Efficiency Enhancement (\$2.9)				-	
110	TN I26-020027	Construct 1.0MG Tank & 2500-16" ER (\$1.0)				-	
111	TN I26-020028	Citico Plant Improvements Phase 1B (\$8.6)	304300	Struct & Imp-Treatment	0.39225	37,838	
112	TN I26-020028		320100	WT Equip Non-Media	0.39225	(24,120)	
	TN I26-020028		346190	Remote Control & Instrument		-	
113	TN I26-020032	Wastewater Treatm't & Handling Impr (\$15.3)	304200	Struct & Imp-Pumping	0.39225	(160)	
114	TN I26-020032		304300	Struct & Imp-Treatment	0.39225	36,508	
115	TN I26-020032		304400	Struct & Imp-T&D	0.39225	-	
116	TN I26-020032		304500	Structures & Improvement - General	0.39225	(38,913)	
117	TN I26-020032		320100	WT Equip Non-Media	0.39225	(89,429)	
118	TN I26-020032		330200	Ground Level Tanks	0.39225	(243)	
119	TN I26-020032		347000	Misc Equipment	0.39225	30	
120	TN I26-020034	Tennessee River Crossing (\$2.5)	331001	Transmission & Distribution Mains	0.39225	-	
121	TN I26-020038	Retire Basin 1	304300	Struct & Imp-WT	0.39225	-	
122	TN I26-020039	Basin 2 Tube Settlers				-	
123	TN I26-020040	Chlorine Gas Conversion				-	
124	TN I26-020041	Electrical - Breakers and Relays (\$0.6)	311200	Pump Eqp Electric	0.39225	-	
125	TN I26-020042	Pumping Auxiliary Power (\$1.4)				-	
126	TN I26-020043	Energy Reduction and Efficiency (\$0.87)				-	
127	TN I26-020044	New Raw Water Intake Citico (\$13)				-	
128	TN I26-020045	Renovate Filter Bldg 3 (\$0.75)				-	
129	TN I26-020046	New Field Services Facility (\$4.5)				-	
130	TN I26-050001	Raw Water Intake Improvements Whitwell (\$2)				-	
131	TN I26-050002	Facility Upgrades at Whitwell WTP (\$0.3)	320100	WT Equip Non-Media		-	
	TN I26-050002		346190	Remote Control & Instrument		-	
132	TN I26-050003	Replace 0.5 MG Storage Tanks at Whitwell (\$.5)				-	
133	TN I26-050004	Replace 0.1 MG Storage Tank at Whitwell (\$0.3)				-	
134	TN I26-020002	Post Acquisition BD Capex				-	
135	TN I26-000001	Whitwell Acquisition Capital Investment	331001	Transmission & Distribution Mains	0.39225	-	
136	TN I26-000001		320200	Water Trmt Equip Filter Media	0.39225	-	
137	TN I26-000001		311520	Pumping Equipment SOS	0.39225	-	
138	TN I26-000001		340200	Computer & Peripheral Equipment	0.39225	-	
139							
140		(1) Amounts not reflected in actuals through 2016 or projections based on project costs through 2017.		Total DV Included:		\$ (302,942)	See note under DV above
141							
142				Total DV Excluded:		\$ (302,942)	
143		(2) From prior docket #s and sourced accounts.					
144		(3) From actual or estimated in-service data provided by the company.		Total Surcharge Amt:		\$ (302,942)	
145		(4) Tax depreciation rates utilized by the company.					
146				SEC Total:		\$ (170,297)	
147							

Tennessee American Water Company
Qualified Infrastructure Improvement Program
Economic Development Rider
Safety and Environmental Compliance Rider

STRATEGIC CAPITAL EXPENDITURE PLAN
PROGRAM

Actual

Business Unit Tennessee
Revision Date September 21, 2016
Description TN BP 2017-2021 SCEP

Line #	Business Unit No.	Project Title	Account	Account Description	Tax Rate	Depreciation Deferred Tax (DTA, DTL)	NOTES
148				EDI Total:		\$ (10,963)	
149							
150				QIIP Total:		\$ (121,682)	

Tennessee American Water Company
Qualified Infrastructure Improvement Program
Economic Development Rider
Safety and Environmental Compliance Rider

**STRATEGIC CAPITAL EXPENDITURE PLAN
PROGRAM**

Actual

Business Unit Tennessee
Revision Date September 21, 2016
Description TN BP 2017-2021 SCEP

Line #	Business Unit No.	Project Title	Account	Account Description	Average Accum Depreciation	Average Depreciation Deferred Tax (DTA, DTL)	Actual Retirements to Date	Actual COR Less Salvage to Date	Actual CIAC to Date
1		RECURRING PROJECTS							
2	TN	DV		Projects Funded by Others					
3	TN	DV	331001	Transmission & Distribution Mains	\$ -	\$ -	\$ -	\$ -	\$ -
4	TN	DV	333000	Services	-	-	0	0	0
5			335000	Hydrants	-	-	0	0	0
6	TN	A	331001	Transmission & Distribution Mains	(14,473)	(12,065)	0	0	0
7	TN	A	333000	Services	(116)	(101)	0	0	0
8	TN	A	334300	Meter Vaults	(668)	(34)	0	0	0
9	TN	A	335000	Hydrants	(970)	(298)	0	0	0
10									
11	TN	B	331001	Transmission & Distribution Mains	(62,549)	(60,993)	(258,810)	69,266	0
12	TN	B	333000	Services	(4,403)	(5,145)	(434)	51,102	0
13	TN	B	335000	Hydrants	(2,223)	(594)	(1,386)	626	0
14									
15	TN	C	331001	Transmission & Distribution Mains	(90,878)	(77,570)	(418,962)	650,712	0
16	TN	C	335000	Hydrants	(240)	16	0	0	0
17									
18	TN	D	331001	Transmission & Distribution Mains	(22,442)	(32,277)	(141,991)	125,878	(2,133,047)
19	TN	D	333000	Services	(73)	(82)	0	49,770	(29,877)
20	TN	D	335000	Hydrants	3,050	(1,607)	(64,148)	0	(115,923)
21									
22	TN	E	331001	Transmission & Distribution Mains	(3,316)	(3,150)	0	0	0
23	TN	E	335000	Hydrants	(3,160)	(331)	(882)	933	(22,345)
24									
25	TN	F	331001	Transmission & Distribution Mains	(2,714)	(3,425)	(18,684)	45,828	0
26	TN	F	335000	Hydrants	(26,024)	(7,086)	(46,739)	23,127	(5,500)
27									
28	TN	G	333000	Services	-	-	0	0	0
29									
30	TN	H	333000	Services	(29,889)	(29,376)	(72,647)	467,253	0
31	TN	H	334100	Meters	(136)	(72)	(8,625)	12,160	0
32									
33	TN	I	334100	Meters	-	-	0	0	0
34	TN	I	334200	Meter Installations	-	-	0	0	0
35									
36	TN	J	334100	Meters	(47,665)	7,919	(1,570,869)	179,969	0
37	TN	J	334200	Meter Installations	(115,909)	(26,986)	(442,461)	655,631	0
38									
39	TN	K	340200	Computer & Peripheral Equipment	-	-	0	0	0
40									
41	TN	L	320100	WT Equip Non-Media	(8,705)	(8,356)	(12,365)	5,933	0
42	TN	L	340200	Computer & Peripheral Equipment	(873)	(6,885)	0	2,449	0
43	TN	L	346100	Comm Equip Non-Telephone	(5,314)	(7,955)	0	0	0
44	TN	L	346190	Remote Control & Instrument	(39,231)	(115,009)	(76,210)	46,033	0
45									
46	TN	M	304100	Struct & Imp-Supply	(15)	(45)	0	0	0
47	TN	M	304200	Struct & Imp-Pumping	62	(24)	(10,202)	0	0
48	TN	M	304300	Structures & Improvement - Treatment	(10,360)	504	(5,678)	10,153	0
49	TN	M	304400	Struct & Imp-Treatment-T&D	(558)	(235)	0	0	0
50	TN	M	304500	Structures & Improvement - General	(175)	(87)	0	0	0

**Tennessee American Water Company
Qualified Infrastructure Improvement Program
Economic Development Rider
Safety and Environmental Compliance Rider**

STRATEGIC CAPITAL EXPENDITURE PLAN PROGRAM

Actual

Business Unit Tennessee

Revision Date September 21, 2016

Description	TN BP 2017-2021 SCEP

Line #	Business Unit No.		Project Title	Account	Account Description	Average Accum Depreciation	Average Depreciation Deferred Tax (DTA, DTL))	Actual Retirements to Date	Actual COR Less Salvage to Date	Actual CIAC to Date
101			Total Acquisitions							
102										
103			CENTRALLY SPONSORED PROJECTS							
104	TN	T26-0202	Business Transformation 2010 - 2014	340315	Computer Software Special Deprec Rate	-	-	0	0	0
105	TN	T26-0203	Business Transformation 2010 - 2014	340315	Computer Software Special Deprec Rate	-	-	0	0	0
106			Total Centrally Sponsored Projects							
107										
108			INVESTMENT PROJECTS							
109	TN	I26-020017	Electrical Motor Efficiency Enhancement (\$2.9)							
110	TN	I26-020027	Construct 1.0MG Tank & 2500-16" ER (\$1.0)							
111	TN	I26-020028	Citico Plant Improvements Phase 1B (\$8.6)	304300	Struct & Imp-Treatment	(262,134)	40,027	0	0	0
112	TN	I26-020028		320100	WT Equip Non-Media	(23,198)	(23,847)	(47,846)	850,267	0
	TN	I26-020028		346190	Remote Control & Instrument	(2,019)	(7,341)	0	0	0
113	TN	I26-020032	Wastewater Treatm't & Handling Impr (\$15.3)	304200	Struct & Imp-Pumping	68	(137)	(14,622)	243,354	0
114	TN	I26-020032		304300	Struct & Imp-Treatment	(86,244)	20,439	(54,346)	1,535,662	0
115	TN	I26-020032		304400	Struct & Imp-T&D	0	0	0	0	0
116	TN	I26-020032		304500	Structures & Improvement - General	(134,639)	(112,808)	0	0	0
117	TN	I26-020032		320100	WT Equip Non-Media	(122,343)	(150,951)	(305)	577	0
118	TN	I26-020032		330200	Ground Level Tanks	(1,585)	(647)	0	0	0
119	TN	I26-020032		347000	Misc Equipment	(1,631)	105	0	0	0
120	TN	I26-020034	Tennessee River Crossing (\$2.5)	331001	Transmission & Distribution Mains					
121	TN	I26-020038	Retire Basin 1	304300	Struct & Imp-WT					
122	TN	I26-020039	Basin 2 Tube Settlers							
123	TN	I26-020040	Chlorine Gas Conversion							
124	TN	I26-020041	Electrical - Breakers and Relays (\$0.6)	311200	Pump Eqp Electric					
125	TN	I26-020042	Pumping Auxiliary Power (\$1.4)							
126	TN	I26-020043	Energy Reduction and Efficiency (\$0.87)							
127	TN	I26-020044	New Raw Water Intake Citico (\$13)							
128	TN	I26-020045	Renovate Filter Bldg 3 (\$0.75)							
129	TN	I26-020046	New Field Services Facility (\$4.5)							
130	TN	I26-050001	Raw Water Intake Improvements Whitwell (\$2)							
131	TN	I26-050002	Facility Upgrades at Whitwell WTP (\$0.3)	320100	WT Equip Non-Media	(27)	(240)	0	0	0
	TN	I26-050002		346190	Remote Control & Instrument	(464)	(11,048)	0	0	0
132	TN	I26-050003	Replace 0.5 MG Storage Tanks at Whitwell (\$.5)							
133	TN	I26-050004	Replace 0.1 MG Storage Tank at Whitwell (\$0.3)							
134	TN	I26-020002	Post Acquisition BD Capex							
135	TN	I26-000001	Whitwell Acquisition Capital Investment	331001	Transmission & Distribution Mains	0	0			
136	TN	I26-000001		320200	Water Trmt Equip Filter Media	0	0			
137	TN	I26-000001		311520	Pumping Equipment SOS	0	0			
138	TN	I26-000001		340200	Computer & Peripheral Equipment	0	0			
139										
140			(1) Amounts not reflected in actuals through 2016 or projections based on project costs through 2017.		Total DV Included:	\$ (1,786,282)	\$ (616,849)	\$ (5,057,069)	\$ 7,002,238	\$ (2,306,691)
141										
142					Total DV Excluded:	\$ (1,786,282)	\$ (616,849)	\$ (5,057,069)	\$ 7,002,238	\$ (2,306,691)
143			(2) From prior docket #s and sourced accounts.							
144			(3) From actual or estimated in-service data provided by the company.		Total Surcharge Amt:	\$ (1,786,282)	\$ (616,849)	\$ (5,057,069)	\$ 7,002,238	\$ (2,306,691)
145			(4) Tax depreciation rates utilized by the company.							
146					SEC Total:	\$ (802,818)	\$ (377,775)	\$ (1,427,326)	\$ 2,655,103	\$ -
147										

STRATEGIC CAPITAL EXPENDITURE PLAN PROGRAM

Business Unit Tennessee

Revision Date September 21, 2016

Description	TN BP 2017-2021 SCEP

Line #	Business Unit No.	Project Title	Account	Account Description	Average Accum Depreciation	Average Depreciation Deferred Tax (DTA, DTL)	Actual Retirements to Date	Actual COR Less Salvage to Date	Actual CIAC to Date
148				EDI Total:	\$ (22,703)	\$ (15,980)	\$ (882)	933	\$ (22,345)
149									
150				QIIP Total:	\$ (960,760)	\$ (223,094)	\$ (3,628,861)	\$ 4,346,202	\$ (2,284,346)

STRATEGIC CAPITAL EXPENDITURE PLAN
PROGRAM

Business Unit	Tennessee
Revision Date	June 21, 2016
Description	TN BP 2017-2021 SCEP

2017

Business Unit	Rider	Business Unit No.	Project Title			1	2	3	4	5	6
Tennessee	None	DV	Projects Funded by Others			\$10,000	\$10,000	\$50,000	\$80,000	\$150,000	\$150,000
Tennessee	EDI	A	Mains - New			55,000	125,000	105,000	25,000		
Tennessee	QIIP	B	Mains - Replaced / Restored			158,367	158,367	253,367	300,867	300,867	300,867
Tennessee	QIIP	C	Mains - Unscheduled			165,932	171,242	80,000	37,174	42,484	74,347
Tennessee	QIIP	D	Mains - Relocated							33,333	33,333
Tennessee	EDI	E	Hydrants, Valves, and Manholes - New				3,937	6,561	5,249	7,873	6,561
Tennessee	QIIP	F	Hydrants, Valves, and Manholes - Replaced				10,000	20,000	35,000	30,000	39,500
Tennessee	None	G	Services and Laterals - New			38,750	48,501	71,751	79,501	87,251	103,751
Tennessee	QIIP	H	Services and Laterals - Replaced			9,901	19,801	29,702	41,602	41,602	52,503
Tennessee	None	I	Meters - New				10,101	15,152	22,223	22,223	34,345
Tennessee	QIIP	J	Meters - Replaced			92,115	92,115	122,716	122,716	183,916	183,916
Tennessee	None	K	ITS Equipment and Systems			94,985	144,308	105,065	149,882	71,233	116,937
Tennessee	SEC	L	SCADA Equipment and Systems						58,333	58,333	58,333
Tennessee	SEC	M	Security Equipment and Systems						25,000	25,000	
Tennessee	None	N	Offices and Operations Centers					5,000			5,000
Tennessee	None	O	Vehicles							101,250	101,250
Tennessee	None	P	Tools and Equipment			12,083	12,083	12,083	24,167	17,083	16,167
Tennessee	SEC	Q	Process Plant Facilities and Equipment				18,113	32,377	62,566	68,604	26,340
Tennessee	QIIP	R	Capitalized Tank Rehabilitation/Painting								
Tennessee	None	S	Engineering Studies				5,000	5,000	5,000	5,000	5,000
Total						627,133	818,569	863,774	994,280	1,096,054	1,158,151
Investment Projects											
Tennessee	QIIP	I26-020041	Electrical - Breakers and Relays (\$0.6)		12/31/2017						
Tennessee	SEC	I26-020042	Pumping Auxiliary Power (\$1.4)		6/30/2018						
Tennessee	QIIP	I26-020043	Energy Reduction and Efficiency (\$0.87)		12/31/2020						
Tennessee	SEC	I26-020027	Construct 1.0MG Tank & 2500-16" ER (\$1.5)		7/31/2019						
Tennessee	QIIP	I26-020034	Tennessee River Crossing (\$2.5)		11/30/2017			16,545	126,937	166,237	222,293
Tennessee	SEC	I26-020044	New Raw Water Intake Citico (\$13)		6/30/2022						
Tennessee	SEC	I26-050001	Raw Water Intake Improvements Whitwell (\$2)		12/31/2021						
Tennessee	QIIP	I26-020038	Retire Basin 1 (\$0.6)		12/31/2020						
Tennessee	QIIP	I26-020039	Basin 2 Tube Settlers (\$3.5)		12/31/2019						
Tennessee	SEC	I26-020040	Chlorine Gas Conversion (\$4.5)		4/1/2020						
Tennessee	QIIP	I26-020045	Renovate Filter Bldg 3 (\$0.75)		6/30/2018						
Tennessee	None	I26-020046	New Field Services Facility (\$4.5)		12/31/2020						
Tennessee	SEC	I26-050002	Facility Upgrades at Whitwell WTP (\$0.3) 1/3 in 2018		4/30/2018						
Tennessee	SEC	I26-050003	Replace 0.5 MG Storage Tanks at Whitwell (\$.5)		12/31/2021						
Tennessee	SEC	I26-050004	Replace 0.1 MG Storage Tank at Whitwell (\$0.3) 1/3 in 18		4/30/2018						
Tennessee	No	I26-000002	Post Acquisition BD Capex								
Total Investment Projects											
Total Investment and Centrally Sponsored Projects											
Contributions											
Advances						(20,000)	(20,000)	(20,000)	(20,000)	(20,000)	(20,000)
Total Refunds						(58,333)	(58,333)	(58,333)	(58,333)	(58,333)	(58,333)
						29,167	29,167	29,167	29,167	29,167	29,167
Gross minus BT						\$637,133	\$828,569	\$930,319	\$1,201,217	\$1,412,291	\$1,530,444
Net minus BT						(49,167)	(49,167)	(49,167)	(49,167)	(49,167)	(49,167)
						\$587,967	\$779,402	\$881,153	\$1,152,050	\$1,363,124	\$1,481,277
Gross plus BT						\$637,133	\$828,569	\$930,319	\$1,201,217	\$1,412,291	\$1,530,444
Net plus BT						(49,167)	(49,167)	(49,167)	(49,167)	(49,167)	(49,167)
						\$587,967	\$779,402	\$881,153	\$1,152,050	\$1,363,124	\$1,481,277

*Dollar amounts from TAWC's Annual Capital Planning Process

STRATEGIC CAPITAL EXPENDITURE PLAN
PROGRAM

Business Unit	Tennessee
Revision Date	June 21, 2016
Description	TN BP 2017-2021 SCEP

U.S. \$										
Business Unit	Rider	Business Unit No.	Project Title	7	8	9	10	11	12	Total 2017
Tennessee	None	DV	Projects Funded by Others	\$90,000	\$80,000	\$80,000	\$80,000	\$120,000	\$100,000	\$1,000,000
Tennessee	EDI	A	Mains - New							310,000
Tennessee	QIIP	B	Mains - Replaced / Restored	300,867	300,867	218,110	110,867	110,867	105,975	2,620,255
Tennessee	QIIP	C	Mains - Unscheduled	75,000	75,000	45,000	47,232	84,968	110,621	1,009,000
Tennessee	QIIP	D	Mains - Relocated	33,333						100,000
Tennessee	EDI	E	Hydrants, Valves, and Manholes - New	8,792	11,153	11,153	9,185	3,937		74,400
Tennessee	QIIP	F	Hydrants, Valves, and Manholes - Replaced	39,600	55,000	50,000	49,100	30,000	15,900	374,100
Tennessee	None	G	Services and Laterals - New	102,751	74,001	72,991	64,001	56,251	46,501	846,000
Tennessee	QIIP	H	Services and Laterals - Replaced	51,503	41,602	24,752	34,652	29,702	21,177	398,500
Tennessee	None	I	Meters - New	30,304	24,244	15,152	15,152	10,101	10,000	209,000
Tennessee	QIIP	J	Meters - Replaced	183,916	183,916	180,141	127,526	122,716	92,115	1,687,825
Tennessee	None	K	ITS Equipment and Systems	145,591	229,638	93,191	71,233	71,233	235,664	1,528,960
Tennessee	SEC	L	SCADA Equipment and Systems							175,000
Tennessee	SEC	M	Security Equipment and Systems	10,000	35,556	30,556	13,889			140,000
Tennessee	None	N	Offices and Operations Centers			5,000				15,000
Tennessee	None	O	Vehicles	101,250	221,250					525,000
Tennessee	None	P	Tools and Equipment	15,083	14,500	2,417	9,667	4,833	4,833	145,000
Tennessee	SEC	Q	Process Plant Facilities and Equipment	38,415	20,302	92,755	65,585	62,566	32,377	520,000
Tennessee	QIIP	R	Capitalized Tank Rehabilitation/Painting				295,630	430,832	383,663	1,110,125
Tennessee	None	S	Engineering Studies	5,000	5,000	5,000	5,000	5,000		50,000
Total Recurring Projects				1,141,406	1,292,029	846,217	918,718	1,023,006	1,058,827	11,838,165
INVESTMENT PROJECTS										
Tennessee	QIIP	I26-020041	Electrical - Breakers and Relays (\$0.6)		16,550	21,166	110,565	149,931	132,000	430,211
Tennessee	SEC	I26-020042	Pumping Auxiliary Power (\$1.4)	19,159	16,875	99,596	138,732	206,615	202,189	683,165
Tennessee	QIIP	I26-020043	Energy Reduction and Efficiency (\$0.87)							
Tennessee	SEC	I26-020027	Construct 1.0MG Tank & 2500-16" ER (\$1.5)							
Tennessee	QIIP	I26-020034	Tennessee River Crossing (\$2.5)	223,499	224,706	225,913	227,119	283,477	284,985	2,001,711
Tennessee	SEC	I26-020044	New Raw Water Intake Citico (\$13)							
Tennessee	SEC	I26-050001	Raw Water Intake Improvements Whitwell (\$2)							
Tennessee	QIIP	I26-020038	Retire Basin 1 (\$0.6)							
Tennessee	QIIP	I26-020039	Basin 2 Tube Settlers (\$3.5)							
Tennessee	SEC	I26-020040	Chlorine Gas Conversion (\$4.5)							
Tennessee	QIIP	I26-020045	Renovate Filter Bldg 3 (\$0.75)			5,515	16,575	23,726	21,664	67,480
Tennessee	None	I26-020046	New Field Services Facility (\$4.5)							
Tennessee	SEC	I26-050002	Facility Upgrades at Whitwell WTP (\$0.3) 1/3 in 2018		5,515	11,060	38,696	41,998	72,390	169,659
Tennessee	SEC	I26-050003	Replace 0.5 MG Storage Tanks at Whitwell (\$.5)							
Tennessee	SEC	I26-050004	Replace 0.1 MG Storage Tank at Whitwell (\$0.3) 1/3 in 18		5,515	11,060	18,782	43,847	83,330	162,534
Tennessee	No	I26-000002	Post Acquisition BD Capex	250,000						250,000
Total Investment Projects				\$492,658	\$269,161	\$374,310	\$550,468	\$749,594	\$796,558	\$3,764,760
Total Investment and Centrally Sponsored Projects				\$492,658	\$269,161	\$374,310	\$550,468	\$749,594	\$796,558	\$3,764,760
Contributions				(20,000)	(20,000)	(20,000)	(20,000)	(20,000)	(20,000)	(240,000)
Advances				(58,333)	(58,333)	(58,333)	(58,333)	(58,333)	(58,333)	(700,000)
Total Refunds				29,167	29,167	29,167	29,167	29,167	29,167	350,000
Gross minus BT				\$1,724,064	\$1,641,190	\$1,300,526	\$1,549,187	\$1,892,600	\$1,955,385	\$16,602,925
				(49,167)	(49,167)	(49,167)	(49,167)	(49,167)	(49,167)	(590,000)
Net minus BT				\$1,674,898	\$1,592,023	\$1,251,360	\$1,500,020	\$1,843,433	\$1,906,218	\$16,012,925
Gross plus BT				\$1,724,064	\$1,641,190	\$1,300,526	\$1,549,187	\$1,892,600	\$1,955,385	\$16,602,925
				(49,167)	(49,167)	(49,167)	(49,167)	(49,167)	(49,167)	(590,000)
Net plus BT				\$1,674,898	\$1,592,023	\$1,251,360	\$1,500,020	\$1,843,433	\$1,906,218	\$16,012,925

*Dollar amounts from TAWC's Annual Capital Planning Process

Tennessee American Water Company
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Business Unit Tennessee
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Line #		Business Unit No.	Project Title	Account	Account Description	Portion to Account (2)	In-Service (Months) (3)	Dep Rate	2016 SCEP Reforecast	Prior 2015 Actual
1			RECURRING PROJECTS							
2	TN	DV	Projects Funded by Others	331001	Transmission & Distribution Mains	95.5%	3	1.25%		\$ -
3	TN	DV		333000	Services	2.3%	3	1.11%		-
4	TN	DV		335000	Hydrants	2.2%	3	2.30%		-
5										
6	TN	A	Mains - New	331001	Transmission & Distribution Mains	100.0%	3	1.25%		456,264
7	TN	A		333000	Services		3	1.11%		3,176
8	TN	A		334300	Meter Vaults		3	2.73%		-
9	TN	A		335000	Hydrants		3	2.30%		11,329
10										
11	TN	B	Mains - Replaced / Restored	331001	Transmission & Distribution Mains	96.8%	3	1.25%		1,796,068
12	TN	B		333000	Services	2.9%	3	1.11%		171,623
13	TN	B		335000	Hydrants	0.3%	3	2.30%		25,909
14										
15	TN	C	Mains - Unscheduled	331001	Transmission & Distribution Mains	100.0%	3	1.25%		1,880,706
16	TN	C		335000	Hydrants		3	2.30%		-
17										
18	TN	D	Mains - Relocated	331001	Transmission & Distribution Mains	96.2%	3	1.25%		1,415,151
19	TN	D		333000	Services	0.5%	3	1.11%		1,328
20	TN	D		335000	Hydrants	3.3%	3	2.30%		7,286
21										
22	TN	E	Hydrants, Valves, and Manholes - New	331001	Transmission & Distribution Mains	58.7%	1	1.25%		108,049
23	TN	E		335000	Hydrants	41.3%	1	2.30%		30,189
24										
25	TN	F	Hydrants, Valves, and Manholes - Replaced	331001	Transmission & Distribution Mains	64.1%	1	1.25%		121,273
26	TN	F		335000	Hydrants	35.9%	1	2.30%		410,751
27										
28	TN	G	Services and Laterals - New	333000	Services	100.0%	1	1.11%		-
29										
30	TN	H	Services and Laterals - Replaced	333000	Services	100.0%	1	1.11%		871,492
31	TN	H		334100	Meters			7.47%		-
32										
33	TN	I	Meters - New	334100	Meters	64.2%	1	7.47%		-
34	TN	I		334200	Meter Installations	35.8%	1	2.73%		-
35										
36	TN	J	Meters - Replaced	334100	Meters	72.5%	1	7.47%		278,825
37	TN	J		334200	Meter Installations	27.5%	1	2.73%		1,492,760
38										
39	TN	K	ITS Equipment and Systems	340200	Computer & Peripheral Equipment	100.0%	1	2.19%		-
40										
41	TN	L	SCADA Equipment and Systems	320100	WT Equip Non-Media			1.09%		268,337
42	TN	L		340200	Computer & Peripheral Equipment	100.0%	1	2.19%		(0)
43	TN	L		346100	Comm Equip Non-Telephone			4.21%		41,119
44	TN	L		346190	Remote Control & Instrument			4.21%		436,754
45										
46	TN	M	Security Equipment and Systems	304100	Struct & Imp-Supply					
47	TN	M		304200	Struct & Imp-Pumping					
48	TN	M		304300	Structures & Improvement - Treatment			4.11%		131,615
49	TN	M		304400	Struct & Imp-Treatment-T&D			2.13%		-
50	TN	M		304500	Structures & Improvement - General	100.0%	1	1.13%		6,193

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Line #	Business Unit No.	Project Title	Account	Account Description	Portion to Account (2)	In-Service (Months) (3)	Dep Rate	2016 SCEP Reforecast	Prior 2015 Actual
51	TN	M	340200	Computer & Peripheral Equipment					
52									
53	TN	N	304500	Structures & Improvement - General	100.0%	1	1.13%		-
54									
55	TN	O	341100	Transportation Equip Lt Duty Trucks	19.3%	1	16.00%		-
56	TN	O	341200	Transportation Equip Hvy Duty Trucks	63.6%	1	16.62%		-
57	TN	O	341300	Transportation Equip Autos	17.1%	1	11.38%		-
58									
59	TN	P	343000	Tools, Shop, Garage Equipment	100.0%	1	6.89%		-
60									
61	TN	Q	304100	Struct & Imp-Supply			1.98%		122,766
62	TN	Q	304200	Struct & Imp-Pumping			1.98%		-
63	TN	Q	304300	Struct & Imp-Treatment			4.11%		7,125
64	TN	Q	304400	Struct & Imp-Treatment-T&D			2.13%		25,654
65	TN	Q	304500	Structures & Improvement - General			1.13%		27,713
66	TN	Q	304600	Struc & Imp-Offices			1.13%		-
67	TN	Q	304700	Struct & Imp-Store,Shop,Garage			0.73%		-
68	TN	Q	306000	Lake, River & Other Intakes			0.83%		-
69	TN	Q	309000	Supply Mains			1.87%		9,862
70	TN	Q	310000	Power Generation Equip			12.33%		25,066
71	TN	Q	311200	Pump Eqp Electric			2.45%		18,849
72	TN	Q	311520	Pumping Equipment SOS	21.0%	1	1.83%		465,043
73	TN	Q	320100	WT Equip Non-Media	57.6%	1	1.09%		1,806,356
74	TN	Q	320200	Water Trmt Equip Filter Media			33.69%		693,894
75	TN	Q	330000	Dist Reservoirs & Standpipes			2.08%		-
76	TN	Q	331001	Transmission & Distribution Mains			1.25%		-
77	TN	Q	334100	Meters			7.47%		-
78	TN	Q	340200	Computer & Peripheral Equipment	21.3%	1	2.19%		-
79	TN	Q	340300	Computer Software					
80	TN	Q	340330	Computer Software Other					
81	TN	Q	343000	Tools, Shop, Garage Equipment			6.89%		-
82	TN	Q	344000	Laboratory Equipment			1.01%		-
83	TN	Q	345000	Power Operated Equipment			7.03%		41,485
84	TN	Q	346190	Remote Control & Instrument			4.21%		3,502
85	TN	Q	347000	Misc Equipment			6.33%		7,793
86									
87	TN	R	304300	Struct & Imp-Treatment			4.11%		(778)
88	TN	R	304301	Struct & Imp-Treatment-Dpr Paint			12.06%		-
89	TN	R	320100	WT Equip Non-Media			1.09%		2,310,463
90	TN	R	320200	Water Trmt Equip Filter Media			33.69%		-
91	TN	R	330000	Dist Reservoirs & Standpipes			2.08%		567,580
92	TN	R	330003	Tank Repainting	100.0%	1	11.08%		46,367
93	TN	R	330100	Elevated Tanks & Standpipes			2.74%		-
94	TN	R	330200	Ground Level Tanks			2.74%		-
95									
96	TN	S	331001	Transmission & Distribution Mains	100.0%	1	1.25%		-
97									
98									
99									
100									

ACQUISITIONS

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Business Unit Tennessee
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Description TN BP 2016-2020 SCEP

Line #	Business Unit No.	Project Title	Account	Account Description	Portion to Account (2)	In-Service (Months) (3)	Dep Rate	2016 SCEP Reforecast	Prior 2015 Actual
101		Total Acquisitions							
102									
103		CENTRALLY SPONSORED PROJECTS							
104	TN	T26-0202 Business Transformation 2010 - 2014	340315	Computer Software Special Deprec Rate	100.0%	1	10.00%		-
105	TN	T26-0203 Business Transformation 2010 - 2014	340315	Computer Software Special Deprec Rate	100.0%	1	10.00%		-
106		Total Centrally Sponsored Projects							
107									
108		INVESTMENT PROJECTS						2016 SCEP Reforecast	
109	TN	I26-020017 Electrical Motor Efficiency Enhancement (\$2.9)			100.0%	7/17/2018			-
110	TN	I26-020027 Construct 1.0MG Tank & 2500-16" ER (\$1.0)			100.0%	7/31/2019			-
111	TN	I26-020028 Citico Plant Improvements Phase 1B (\$8.6)	304300	Struct & Imp-Treatment		6/1/2016	4.11%		-
112	TN	I26-020028	320100	WT Equip Non-Media	100.0%	6/1/2016	1.09%		-
	TN	I26-020028	346190	Remote Control & Instrument		6/1/2016	4.21%		-
113	TN	I26-020032 Wastewater Treatm't & Handling Impr (\$15.3)	304200	Struct & Imp-Pumping		11/1/2015	1.98%		-
114	TN	I26-020032	304300	Struct & Imp-Treatment		11/1/2015	4.11%		-
115	TN	I26-020032	304400	Struct & Imp-T&D	100.0%	11/1/2015	2.13%		-
116	TN	I26-020032	304500	Structures & Improvement - General		11/1/2015	1.13%		9,374,098
117	TN	I26-020032	320100	WT Equip Non-Media		11/1/2015	1.09%	300,000 (1)	5,603,877
118	TN	I26-020032	330200	Ground Level Tanks		11/1/2015	2.74%		46,777
119	TN	I26-020032	347000	Misc Equipment		11/1/2015	6.33%		18,711
120	TN	I26-020034 3000'-24" Tennessee River Crossing (\$0.5)			100.0%	11/30/2017			-
121	TN	I26-020038 Retire Basin 1	304300	Struct & Imp-WT	100.0%	12/31/2020		(300,000) (1)	-
122	TN	I26-020039 Basin 2 Tube Settlers			100.0%	7/30/2018			-
123	TN	I26-020040 Chlorine Gas Conversion			100.0%	11/30/2020			-
124	TN	I26-020041 Electrical - Breakers and Relays (\$0.6)			100.0%				-
125	TN	I26-020042 Pumping Auxiliary Power (\$1.4)			100.0%				-
126	TN	I26-020043 Energy Reduction and Efficiency (\$0.87)			100.0%				-
127	TN	I26-020044 New Raw Water Intake Citico (\$13)			100.0%				-
128	TN	I26-020045 Renovate Filter Bldg 3 (\$0.75)			100.0%				-
129	TN	I26-020046 New Field Services Facility (\$4.5)			100.0%				-
130	TN	I26-050001 Raw Water Intake Improvements Whitwell (\$2)			100.0%				-
131	TN	I26-050002 Facility Upgrades at Whitwell WTP (\$0.3) 1/3 in 2018			100.0%				-
	TN	I26-050002	346190	Remote Control & Instrument		13/31/2017			-
132	TN	I26-050003 Replace 0.5 MG Storage Tanks at Whitwell (\$.5)			100.0%				-
133	TN	I26-050004 Replace 0.1 MG Storage Tank at Whitwell (\$0.3) 1/3 in 18			100.0%				-
134	TN	I26-020002 Post Acquisition BD Capex			100.0%				-
135	TN	I26-000001 Whitwell Acquisition Capital Investment	331001	Transmission & Distribution Mains	85.0%	12/31/2014	1.25%		-
136	TN	I26-000001	320200	Struct & Imp-Supply	6.0%	12/31/2014	33.69%		-
137	TN	I26-000001	311520	Struct & Imp-Pumping	4.5%	12/31/2014	1.83%		-
138	TN	I26-000001	340200	Struct & Imp-Treatment	4.5%	12/31/2014	2.19%		-
139									
140	TN	(1) Retire Basin 1 project postponed and amounts shifted to		Total DV Included:					\$ 31,188,399
141	TN	I26-020032 Wastewater Treatment & Handling Project.							
142	TN	Spend added and in-serviced in April 2016		Total DV Excluded:					\$ 31,188,399
143									
144	TN	(2) From prior docket #s and sourced accounts.		Total Surcharge Amt:					\$ 31,188,399
145	TN	(3) From actual or estimated in-service data provided by the company.							
146	TN	(4) Tax depreciation rates utilized by the company.		SEC Total:					\$ 19,182,588

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Line #	Business Unit No.	Project Title	Account	Account Description	Portion to Account (2)	In-Service (Months) (3)	Dep Rate	2016 SCEP Reforecast	Prior 2015 Actual
147									
148				EDI Total:					<u>\$ 609,007</u>
149									
150				QIIP Total:					<u><u>\$ 11,396,805</u></u>

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						Cumulative Balance of In-Serviced Plant, from 2016 Capex, by Period					
Line #	Business Unit No.		Project Title	Account	Account Description	1	2	3	4	5	6
1			RECURRING PROJECTS								
2	TN	DV	Projects Funded by Others	331001	Transmission & Distribution Mains	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
3	TN	DV		333000	Services	-	-	-	-	-	-
4	TN	DV		335000	Hydrants	-	-	-	-	-	-
5											
6	TN	A	Mains - New	331001	Transmission & Distribution Mains	457,439	492,340	492,340	487,086	595,090	594,453
7	TN	A		333000	Services	3,176	3,176	3,176	3,176	6,009	5,992
8	TN	A		334300	Meter Vaults	-	18,184	18,184	18,184	18,184	18,184
9	TN	A		335000	Hydrants	11,329	12,784	12,784	12,784	22,984	22,924
10											
11	TN	B	Mains - Replaced / Restored	331001	Transmission & Distribution Mains	1,777,560	1,777,508	1,824,232	2,087,372	2,091,219	2,221,968
12	TN	B		333000	Services	169,902	169,976	169,844	169,844	169,844	169,844
13	TN	B		335000	Hydrants	26,212	26,337	26,204	29,984	30,058	30,071
14											
15	TN	C	Mains - Unscheduled	331001	Transmission & Distribution Mains	1,963,485	2,140,181	2,347,325	3,229,889	3,339,876	3,287,563
16	TN	C		335000	Hydrants	-	-	-	12,651	13,282	11,170
17											
18	TN	D	Mains - Relocated	331001	Transmission & Distribution Mains	1,412,608	1,409,392	1,409,548	1,413,192	1,421,492	1,526,727
19	TN	D		333000	Services	1,326	1,325	1,325	1,327	1,327	1,327
20	TN	D		335000	Hydrants	7,266	7,242	7,243	7,271	7,277	11,851
21											
22	TN	E	Hydrants, Valves, and Manholes - New	331001	Transmission & Distribution Mains	116,706	116,706	133,200	133,200	133,200	146,442
23	TN	E		335000	Hydrants	21,207	26,480	29,934	30,338	30,334	29,893
24											
25	TN	F	Hydrants, Valves, and Manholes - Replaced	331001	Transmission & Distribution Mains	119,302	119,169	119,169	119,169	119,169	130,910
26	TN	F		335000	Hydrants	418,922	453,158	472,204	478,155	478,947	475,679
27											
28	TN	G	Services and Laterals - New	333000	Services	-	-	-	-	-	-
29											
30	TN	H	Services and Laterals - Replaced	333000	Services	914,003	958,952	1,007,214	1,055,460	1,102,545	1,111,934
31	TN	H		334100	Meters	-	-	-	-	765	1,108
32											
33	TN	I	Meters - New	334100	Meters	-	-	-	-	-	-
34	TN	I		334200	Meter Installations	-	-	-	-	-	-
35											
36	TN	J	Meters - Replaced	334100	Meters	301,844	305,923	326,009	332,771	421,173	717,992
37	TN	J		334200	Meter Installations	1,511,726	1,530,569	1,530,569	1,530,064	1,536,235	1,536,776
38											
39	TN	K	ITS Equipment and Systems	340200	Computer & Peripheral Equipment	-	-	-	-	-	-
40											
41	TN	L	SCADA Equipment and Systems	320100	WT Equip Non-Media	268,337	268,337	268,337	268,337	268,337	268,337
42	TN	L		340200	Computer & Peripheral Equipment	(0)	(0)	(0)	0	0	0
43	TN	L		346100	Comm Equip Non-Telephone	41,119	41,119	41,119	41,119	41,119	41,119
44	TN	L		346190	Remote Control & Instrument	441,288	449,270	446,824	446,824	446,824	446,824
45											
46	TN	M	Security Equipment and Systems	304100	Struct & Imp-Supply						
47	TN	M		304200	Struct & Imp-Pumping						
48	TN	M		304300	Structures & Improvement - Treatment	130,176	130,280	133,855	137,152	137,152	137,152
49	TN	M		304400	Struct & Imp-Treatment-T&D	-	-	-	-	-	-
50	TN	M		304500	Structures & Improvement - General	6,193	6,193	6,193	6,193	6,193	6,193

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Business Unit	Tennessee
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Business Unit Tennessee
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					Cumulative Balance of In-Serviced Plant, from 2016 Capex, by Period					
Line #	Business Unit No.	Project Title	Account	Account Description	1	2	3	4	5	6
101		Total Acquisitions								
102										
103		CENTRALLY SPONSORED PROJECTS								
104	TN	T26-0202	340315	Business Transformation 2010 - 2014 Computer Software Special Deprec Rate	-	-	-	-	-	-
105	TN	T26-0203	340315	Business Transformation 2010 - 2014 Computer Software Special Deprec Rate	-	-	-	-	-	-
106		Total Centrally Sponsored Projects								
107										
108		INVESTMENT PROJECTS								
109	TN	I26-020017		Electrical Motor Efficiency Enhancement (\$2.9)	-	-	-	-	-	-
110	TN	I26-020027		Construct 1.0MG Tank & 2500-16" ER (\$1.0)	-	-	-	-	-	-
111	TN	I26-020028	304300	Citico Plant Improvements Phase 1B (\$8.6)	-	-	-	-	-	5,597,062
112	TN	I26-020028	320100	WT Equip Non-Media	-	-	-	-	-	1,865,687
	TN	I26-020028	346190	Remote Control & Instrument						
113	TN	I26-020032	304200	Wastewater Treatm't & Handling Impr (\$15.3)	-	7,962	8,711	13,593	14,100	14,356
114	TN	I26-020032	304300	Struct & Imp-Pumping	-	207,901	227,455	354,901	368,158	374,830
115	TN	I26-020032	304400	Struct & Imp-Treatment	-	-	-	-	-	-
116	TN	I26-020032	304400	Struct & Imp-T&D	-	-	-	-	-	-
117	TN	I26-020032	304500	Structures & Improvement - General	9,365,461	9,103,923	9,103,923	9,103,923	9,103,923	9,103,923
118	TN	I26-020032	320100	WT Equip Non-Media	5,598,714	5,731,538	5,758,752	5,936,115	5,954,566	5,963,850
119	TN	I26-020032	330200	Ground Level Tanks	46,734	45,429	45,429	45,429	45,429	45,429
120	TN	I26-020032	347000	Misc Equipment	18,694	18,365	18,383	18,501	18,514	18,520
121	TN	I26-020034		3000'-24" Tennessee River Crossing (\$0.5)	-	-	-	-	-	-
122	TN	I26-020038	304300	Retire Basin 1	-	-	-	-	-	-
123	TN	I26-020039		Basin 2 Tube Settlers	-	-	-	-	-	-
124	TN	I26-020040		Chlorine Gas Conversion	-	-	-	-	-	-
125	TN	I26-020041		Electrical - Breakers and Relays (\$0.6)	-	-	-	-	-	-
126	TN	I26-020042		Pumping Auxiliary Power (\$1.4)	-	-	-	-	-	-
127	TN	I26-020043		Energy Reduction and Efficiency (\$0.87)	-	-	-	-	-	-
128	TN	I26-020044		New Raw Water Intake Citico (\$13)	-	-	-	-	-	-
129	TN	I26-020045		Renovate Filter Bldg 3 (\$0.75)	-	-	-	-	-	-
130	TN	I26-020046		New Field Services Facility (\$4.5)	-	-	-	-	-	-
131	TN	I26-050001		Raw Water Intake Improvements Whitwell (\$2)	-	-	-	-	-	-
132	TN	I26-050002		Facility Upgrades at Whitwell WTP (\$0.3) 1/3 in 2018	-	-	-	-	-	-
133	TN	I26-050002	346190	Remote Control & Instrument						
134	TN	I26-050003		Replace 0.5 MG Storage Tanks at Whitwell (\$.5)	-	-	-	-	-	-
135	TN	I26-050004		Replace 0.1 MG Storage Tank at Whitwell (\$0.3) 1/3 in 18	-	-	-	-	-	-
136	TN	I26-020002		Post Acquisition BD Capex	-	-	-	-	-	-
137	TN	I26-000001	331001	Whitwell Acquisition Capital Investment	-	-	-	-	-	-
138	TN	I26-000001	320200	Transmission & Distribution Mains	-	-	-	-	-	-
139	TN	I26-000001	311520	Struct & Imp-Supply	-	-	-	-	-	-
	TN	I26-000001	311520	Struct & Imp-Pumping	-	-	-	-	-	-
	TN	I26-000001	340200	Struct & Imp-Treatment	-	-	-	-	-	-
140	TN	(1) Retire Basin 1 project postponed and amounts shifted to		Total DV Included:						
141	TN	I26-020032 Wastewater Treatment & Handling Project.								
142	TN	Spend added and in-serviced in April 2016		Total DV Excluded:						
143										
144	TN	(2) From prior docket #s and sourced accounts.		Total Surcharge Amt:						
145	TN	(3) From actual or estimated in-service data provided by the company.								
146	TN	(4) Tax depreciation rates utilized by the company.		SEC Total:						

Tennessee American Water Company
Qualified Infrastructure Improvement Program
Economic Development Rider
Safety and Environmental Compliance Rider

ACTUAL 2016 From Docket #17-00020

Business Unit Tennessee
Revision Date May 21, 2015
Description TN BP 2016-2020 SCEP

					Cumulative Balance of In-Serviced Plant, from 2016 Capex, by Period					
	Business Unit No.	Project Title	Account	Account Description	1	2	3	4	5	6
Line #										
147										
148				EDI Total:						
149										
150				QIIP Total:						

Tennessee American Water Company
Qualified Infrastructure Improvement Program
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ACTUAL 2016 From Docket #17-00020

Business Unit Tennessee
Revision Date May 21, 2015
Description TN BP 2016-2020 SCEP

					Cumulative Balance of In-Serviced Plant, from 2016 Capex, by Period						
	Business Unit No.		Project Title	Account	Account Description	7	8	9	10	11	12
Line #											
1			RECURRING PROJECTS								
2	TN	DV	Projects Funded by Others	331001	Transmission & Distribution Mains	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
3	TN	DV		333000	Services	-	-	-	-	-	-
4	TN	DV		335000	Hydrants	-	-	-	-	-	-
5											
6	TN	A	Mains - New	331001	Transmission & Distribution Mains	591,346	591,346	605,190	602,920	602,920	597,576
7	TN	A		333000	Services	5,911	5,911	5,911	5,911	5,911	5,754
8	TN	A		334300	Meter Vaults	18,184	18,184	18,184	18,184	18,184	18,184
9	TN	A		335000	Hydrants	22,631	22,631	25,782	25,265	25,265	24,701
10											
11	TN	B	Mains - Replaced / Restored	331001	Transmission & Distribution Mains	2,296,909	2,305,624	2,459,911	2,454,764	2,528,852	2,522,367
12	TN	B		333000	Services	175,254	175,333	177,948	177,893	178,060	177,865
13	TN	B		335000	Hydrants	30,089	30,098	30,113	30,070	32,844	32,852
14											
15	TN	C	Mains - Unscheduled	331001	Transmission & Distribution Mains	3,485,107	3,580,714	3,729,038	3,832,607	3,993,462	4,158,822
16	TN	C		335000	Hydrants	12,136	12,151	12,487	12,311	12,272	4,979
17											
18	TN	D	Mains - Relocated	331001	Transmission & Distribution Mains	1,539,936	1,537,492	1,529,683	1,536,840	1,544,044	1,545,482
19	TN	D		333000	Services	1,334	1,333	1,333	1,333	1,334	1,335
20	TN	D		335000	Hydrants	11,955	11,936	11,590	11,591	11,855	11,673
21											
22	TN	E	Hydrants, Valves, and Manholes - New	331001	Transmission & Distribution Mains	147,613	147,707	147,707	147,707	147,707	147,515
23	TN	E		335000	Hydrants	33,942	36,606	40,849	40,286	47,963	41,693
24											
25	TN	F	Hydrants, Valves, and Manholes - Replaced	331001	Transmission & Distribution Mains	130,910	130,879	130,466	130,406	130,406	140,790
26	TN	F		335000	Hydrants	477,793	507,926	504,859	502,345	508,386	506,611
27											
28	TN	G	Services and Laterals - New	333000	Services	-	-	-	-	-	-
29											
30	TN	H	Services and Laterals - Replaced	333000	Services	1,138,962	1,183,320	1,195,813	1,229,238	1,255,964	1,279,335
31	TN	H		334100	Meters	1,381	2,254	2,912	3,458	4,113	4,971
32											
33	TN	I	Meters - New	334100	Meters	-	-	-	-	-	-
34	TN	I		334200	Meter Installations	-	-	-	-	-	-
35											
36	TN	J	Meters - Replaced	334100	Meters	733,945	733,509	733,509	733,509	308,631	295,389
37	TN	J		334200	Meter Installations	1,742,335	1,755,398	1,771,266	1,849,074	2,327,065	2,362,958
38											
39	TN	K	ITS Equipment and Systems	340200	Computer & Peripheral Equipment	-	-	-	-	-	-
40											
41	TN	L	SCADA Equipment and Systems	320100	WT Equip Non-Media	268,337	268,337	268,337	268,337	268,337	268,337
42	TN	L		340200	Computer & Peripheral Equipment	0	0	0	0	0	49,331
43	TN	L		346100	Comm Equip Non-Telephone	41,119	41,119	41,119	41,119	41,119	41,119
44	TN	L		346190	Remote Control & Instrument	446,824	446,824	446,824	446,824	446,824	567,583
45											
46	TN	M	Security Equipment and Systems	304100	Struct & Imp-Supply						
47	TN	M		304200	Struct & Imp-Pumping						
48	TN	M		304300	Structures & Improvement - Treatment	137,152	137,152	137,152	137,152	137,152	190,909
49	TN	M		304400	Struct & Imp-Treatment-T&D	-	-	-	-	-	43,791
50	TN	M		304500	Structures & Improvement - General	6,193	6,193	6,193	6,193	6,193	6,193

ACTUAL 2016 From Docket #17-00020

Business Unit	Tennessee
Revision Date	May 21, 2015
Description	TN BP 2016-2020 SCEP

						Cumulative Balance of In-Serviced Plant, from 2016 Capex, by Period						
Business Unit No.			Project Title	Account	Account Description	7	8	9	10	11	12	
Line #												
51	TN	M		340200	Computer & Peripheral Equipment							
52												
53	TN	N	Offices and Operations Centers	304500	Structures & Improvement - General	-	-	-	-	-	-	
54												
55	TN	O	Vehicles	341100	Transportation Equip Lt Duty Trucks	-	-	-	-	-	-	
56	TN	O		341200	Transportation Equip Hvy Duty Trucks	-	-	-	-	-	-	
57	TN	O		341300	Transportation Equip Autos	-	-	-	-	-	-	
58												
59	TN	P	Tools and Equipment	343000	Tools, Shop, Garage Equipment	-	-	-	-	-	-	
60												
61	TN	Q	Process Plant Facilities and Equipment	304100	Struct & Imp-Supply	134,550	134,550	134,550	134,550	217,743	238,495	
62	TN	Q		304200	Struct & Imp-Pumping	382,401	389,350	391,745	393,847	393,847	375,214	
63	TN	Q		304300	Struct & Imp-Treatment	21,474	21,474	21,474	21,474	21,474	21,474	
64	TN	Q		304400	Struct & Imp-Treatment-T&D	25,679	25,679	25,679	25,679	25,679	25,679	
65	TN	Q		304500	Structures & Improvement - General	27,713	27,713	27,713	27,713	27,713	27,713	
66	TN	Q		304600	Struc &Imp-Offices							
67	TN	Q		304700	Struct & Imp-Store,Shop,Garage	-	-	-	-	-	-	
68	TN	Q		306000	Lake, River & Other Intakes	24,247	24,247	24,247	24,247	24,247	24,247	
69	TN	Q		309000	Supply Mains	9,862	9,862	9,862	9,862	9,862	9,862	
70	TN	Q		310000	Power Generation Equip	25,066	25,066	25,066	25,066	25,066	25,066	
71	TN	Q		311200	Pump Eqp Electric	21,062	21,062	21,062	21,062	21,062	21,062	
72	TN	Q		311520	Pumping Equipment SOS	710,878	852,310	854,231	854,441	854,441	852,578	
73	TN	Q		320100	WT Equip Non-Media	1,851,801	1,852,167	1,852,167	1,853,431	1,857,446	1,870,356	
74	TN	Q		320200	Water Trmt Equip Filter Media	698,052	698,052	698,052	696,056	696,056	696,056	
75	TN	Q		330000	Dist Reservoirs & Standpipes	-	-	-	-	-	-	
76	TN	Q		331001	Transmission & Distribution Mains	-	-	-	-	-	-	
77	TN	Q		334100	Meters	-	-	-	-	-	-	
78	TN	Q		340200	Computer & Peripheral Equipment	-	-	-	-	-	-	
79	TN	Q		340300	Computer Software							
80	TN	Q		340330	Computer Software Other							
81	TN	Q		343000	Tools, Shop, Garage Equipment	3,294	3,294	3,294	3,294	3,294	3,294	
82	TN	Q		344000	Laboratory Equipment	1,452	1,452	1,452	1,452	1,452	1,452	
83	TN	Q		345000	Power Operated Equipment	41,485	41,485	41,485	41,485	41,485	41,485	
84	TN	Q		346190	Remote Control & Instrument	3,502	3,502	3,502	3,502	3,502	3,502	
85	TN	Q		347000	Misc Equipment	7,793	7,793	7,793	7,793	7,793	7,793	
86												
87	TN	R	Capitalized Tank Rehabilitation/Painting	304300	Struct & Imp-Treatment	-	-	-	-	-	-	
88	TN	R		304301	Struct & Imp-Treatment-Dpr Paint	1,250,689	1,250,689	1,250,689	1,250,689	1,250,689	1,250,689	
89	TN	R		320100	WT Equip Non-Media	259,932	259,932	259,932	259,932	259,932	259,932	
90	TN	R		320200	Water Trmt Equip Filter Media	52,740	52,740	52,740	52,740	52,740	52,740	
91	TN	R		330000	Dist Reservoirs & Standpipes	548,575	548,575	23,045	23,045	23,045	23,045	
92	TN	R		330003	Tank Repainting	46,367	46,367	338,167	338,167	338,167	338,167	
93	TN	R		330100	Elevated Tanks & Standpipes	-	-	90,599	90,599	90,599	90,599	
94	TN	R		330200	Ground Level Tanks	-	-	-	-	-	-	
95												
96	TN	S	Engineering Studies	331001	Transmission & Distribution Mains	-	-	-	-	-	-	
97			Total Recurring Projects									
98			ACQUISITIONS									
99												
100												

Tennessee American Water Company
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ACTUAL 2016 From Docket #17-00020

Business Unit Tennessee
Revision Date May 21, 2015
Description TN BP 2016-2020 SCEP

					Cumulative Balance of In-Serviced Plant, from 2016 Capex, by Period					
Line #	Business Unit No.	Project Title	Account	Account Description	7	8	9	10	11	12
101		Total Acquisitions								
102										
103		CENTRALLY SPONSORED PROJECTS								
104	TN	T26-0202 Business Transformation 2010 - 2014	340315	Computer Software Special Deprec Rate	-	-	-	-	-	-
105	TN	T26-0203 Business Transformation 2010 - 2014	340315	Computer Software Special Deprec Rate	-	-	-	-	-	-
106		Total Centrally Sponsored Projects								
107										
108		INVESTMENT PROJECTS								
109	TN	I26-020017 Electrical Motor Efficiency Enhancement (\$2.9)			-	-	-	-	-	-
110	TN	I26-020027 Construct 1.0MG Tank & 2500-16" ER (\$1.0)			-	-	-	-	-	-
111	TN	I26-020028 Citico Plant Improvements Phase 1B (\$8.6)	304300	Struct & Imp-Treatment	5,858,336	6,077,507	6,210,308	6,228,087	6,267,280	6,290,400
112	TN	I26-020028	320100	WT Equip Non-Media	1,952,779	2,025,836	2,070,103	2,076,029	2,089,093	2,096,800
	TN	I26-020028	346190	Remote Control & Instrument						
113	TN	I26-020032 Wastewater Treatm't & Handling Impr (\$15.3)	304200	Struct & Imp-Pumping	13,944	13,949	13,901	14,798	14,993	14,597
114	TN	I26-020032	304300	Struct & Imp-Treatment	364,072	364,207	362,949	386,382	391,459	394,579
115	TN	I26-020032	304400	Struct & Imp-T&D	-	-	-	-	-	-
116	TN	I26-020032	304500	Structures & Improvement - General	9,103,923	9,103,923	9,103,923	9,103,923	9,103,923	9,103,923
117	TN	I26-020032	320100	WT Equip Non-Media	5,948,878	5,949,067	5,947,317	5,979,927	5,986,993	5,988,538
118	TN	I26-020032	330200	Ground Level Tanks	45,429	45,429	45,429	45,429	45,429	45,429
119	TN	I26-020032	347000	Misc Equipment	18,510	18,510	18,509	18,531	18,535	18,537
120	TN	I26-020034 3000'-24" Tennessee River Crossing (\$0.5)			-	-	-	-	-	-
121	TN	I26-020038 Retire Basin 1	304300	Struct & Imp-WT	-	-	-	-	-	-
122	TN	I26-020039 Basin 2 Tube Settlers			-	-	-	-	-	-
123	TN	I26-020040 Chlorine Gas Conversion			-	-	-	-	-	-
124	TN	I26-020041 Electrical - Breakers and Relays (\$0.6)								
125	TN	I26-020042 Pumping Auxiliary Power (\$1.4)								
126	TN	I26-020043 Energy Reduction and Efficiency (\$0.87)								
127	TN	I26-020044 New Raw Water Intake Citico (\$13)								
128	TN	I26-020045 Renovate Filter Bldg 3 (\$0.75)								
129	TN	I26-020046 New Field Services Facility (\$4.5)								
130	TN	I26-050001 Raw Water Intake Improvements Whitwell (\$2)								
131	TN	I26-050002 Facility Upgrades at Whitwell WTP (\$0.3) 1/3 in 2018								
	TN	I26-050002	346190	Remote Control & Instrument						
132	TN	I26-050003 Replace 0.5 MG Storage Tanks at Whitwell (\$5)								
133	TN	I26-050004 Replace 0.1 MG Storage Tank at Whitwell (\$0.3) 1/3 in 18								
134	TN	I26-020002 Post Acquisition BD Capex			-	-	-	-	-	-
135	TN	I26-000001 Whitwell Acquisition Capital Investment	331001	Transmission & Distribution Mains	-	-	-	-	-	-
136	TN	I26-000001	320200	Struct & Imp-Supply	-	-	-	-	-	-
137	TN	I26-000001	311520	Struct & Imp-Pumping	-	-	-	-	-	-
138	TN	I26-000001	340200	Struct & Imp-Treatment	-	-	-	-	-	-
139										
140	TN	(1) Retire Basin 1 project postponed and amounts shifted to		Total DV Included:						\$ 45,261,416
141	TN	I26-020032 Wastewater Treatment & Handling Project.								
142	TN	Spend added and in-serviced in April 2016		Total DV Excluded:						\$ 45,261,416
143										
144	TN	(2) From prior docket #s and sourced accounts.		Total Surcharge Amt:						\$ 45,261,416
145	TN	(3) From actual or estimated in-service data provided by the company.								
146	TN	(4) Tax depreciation rates utilized by the company.		SEC Total:						\$ 20,978,192

Tennessee American Water Company
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Business Unit Tennessee
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					Cumulative Balance of In-Serviced Plant, from 2016 Capex, by Period					
	Business Unit No.	Project Title	Account	Account Description	7	8	9	10	11	12
Line #										
147										
148				EDI Total:						\$ 835,424
149										
150				QIIP Total:						\$ 23,447,800

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2016

Line #	Business Unit No.	Project Title	Account	Account Description	Surcharge	Average Plant in Service	Average Retires (Replacement Projects Only)	Average CIAC	Depreciation Expense	Cost of Removal Less Salvage
1		RECURRING PROJECTS								
2	TN	DV	331001	Transmission & Distribution Mains		\$ -	\$ -	\$ -	\$ -	\$ -
3	TN	DV	333000	Services		-	-	-	-	-
4	TN	DV	335000	Hydrants		-	-	-	-	-
5										
6	TN	A	331001	Transmission & Distribution Mains	EDI	551,255	-	-	6,891	-
7	TN	A	333000	Services	EDI	4,861	-	-	54	-
8	TN	A	334300	Meter Vaults	EDI	15,386	-	-	420	-
9	TN	A	335000	Hydrants	EDI	19,477	-	-	448	-
10										
11	TN	B	331001	Transmission & Distribution Mains	QIIP	2,164,950	(77,984)	-	26,087	20,335
12	TN	B	333000	Services	QIIP	173,325	-	-	1,924	43,376
13	TN	B	335000	Hydrants	QIIP	29,296	(426)	-	664	48
14										
15	TN	C	331001	Transmission & Distribution Mains	QIIP	3,151,444	(104,977)	-	38,081	274,521
16	TN	C	335000	Hydrants	QIIP	7,957	-	-	183	-
17										
18	TN	D	331001	Transmission & Distribution Mains	QIIP	1,480,122	(113,606)	(417,526)	11,862	103,080
19	TN	D	333000	Services	QIIP	1,330	-	-	15	48,961
20	TN	D	335000	Hydrants	QIIP	9,695	(64,148)	-	(1,252)	-
21										
22	TN	E	331001	Transmission & Distribution Mains	EDI	136,420	-	-	1,705	-
23	TN	E	335000	Hydrants	EDI	33,824	(882)	(1,778)	717	933
24										
25	TN	F	331001	Transmission & Distribution Mains	QIIP	126,309	(12,924)	-	1,417	39,380
26	TN	F	335000	Hydrants	QIIP	476,595	(30,966)	-	10,249	500
27										
28	TN	G	333000	Services		-	-	-	-	-
29										
30	TN	H	333000	Services	QIIP	1,100,325	(11,700)	-	12,084	238,537
31	TN	H	334100	Meters	QIIP	1,612	(2,058)	-	(33)	742
32										
33	TN	I	334100	Meters		-	-	-	-	-
34	TN	I	334200	Meter Installations		-	-	-	-	-
35										
36	TN	J	334100	Meters	QIIP	478,695	(184,770)	-	21,956	46,882
37	TN	J	334200	Meter Installations	QIIP	1,728,984	(14,276)	-	46,812	402,481
38										
39	TN	K	340200	Computer & Peripheral Equipment		-	-	-	-	-
40										
41	TN	L	320100	WT Equip Non-Media	SEC	268,337	(12,365)	-	2,790	5,933
42	TN	L	340200	Computer & Peripheral Equipment	SEC	3,795	-	-	83	-
43	TN	L	346100	Comm Equip Non-Telephone	SEC	41,119	-	-	1,731	-
44	TN	L	346190	Remote Control & Instrument	SEC	455,101	(48,166)	-	17,132	2,285
45										
46	TN	M	304100	Struct & Imp-Supply						
47	TN	M	304200	Struct & Imp-Pumping						
48	TN	M	304300	Structures & Improvement - Treatment	SEC	139,542	(3,494)	-	5,592	1,338
49	TN	M	304400	Struct & Imp-Treatment-T&D	SEC	3,369	-	-	72	-
50	TN	M	304500	Structures & Improvement - General	SEC	6,193	-	-	70	-

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Business Unit Tennessee
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2016

Line #	Business Unit No.	Project Title	Account	Account Description	Surcharge	Average Plant in Service	Average Retires (Replacement Projects Only)	Average CIAC	Depreciation Expense	Cost of Removal Less Salvage
51	TN	M	340200	Computer & Peripheral Equipment						
52										
53	TN	N	304500	Offices and Operations Centers		-	-	-	-	-
54										
55	TN	O	341100	Transportation Equip Lt Duty Trucks		-	-	-	-	-
56	TN	O	341200	Transportation Equip Hvy Duty Trucks		-	-	-	-	-
57	TN	O	341300	Transportation Equip Autos		-	-	-	-	-
58										
59	TN	P	343000	Tools and Equipment		-	-	-	-	-
60										
61	TN	Q	304100	Struct & Imp-Supply	SEC	146,479	-	-	2,900	580
62	TN	Q	304200	Struct & Imp-Pumping	SEC	178,954	(13,112)	-	3,284	10,464
63	TN	Q	304300	Struct & Imp-Treatment	SEC	16,433	(5,522)	-	448	359
64	TN	Q	304400	Struct & Imp-Treatment-T&D	SEC	25,677	-	-	547	-
65	TN	Q	304500	Structures & Improvement - General	SEC	27,713	-	-	313	277
66	TN	Q	304600	Struc & Imp-Offices						
67	TN	Q	304700	Struct & Imp-Store,Shop,Garage	SEC	-	(7,487)	-	(55)	1
68	TN	Q	306000	Lake, River & Other Intakes	SEC	16,786	-	-	139	144
69	TN	Q	309000	Supply Mains	SEC	9,862	-	-	184	-
70	TN	Q	310000	Power Generation Equip	SEC	25,066	-	-	3,091	115
71	TN	Q	311200	Pump Eqp Electric	SEC	20,352	(40,171)	-	(486)	4,764
72	TN	Q	311520	Pumping Equipment SOS	SEC	685,845	(48,626)	-	11,661	5,520
73	TN	Q	320100	WT Equip Non-Media	SEC	1,841,593	(227,275)	-	17,596	212,828
74	TN	Q	320200	Water Trmt Equip Filter Media	SEC	697,908	(331,079)	-	123,585	387,744
75	TN	Q	330000	Dist Reservoirs & Standpipes	SEC	-	(0)	-	(0)	-
76	TN	Q	331001	Transmission & Distribution Mains	SEC	-	-	-	-	-
77	TN	Q	334100	Meters	SEC	-	-	-	-	-
78	TN	Q	340200	Computer & Peripheral Equipment	SEC	-	(0)	-	(0)	105
79	TN	Q	340300	Computer Software						
80	TN	Q	340330	Computer Software Other						
81	TN	Q	343000	Tools, Shop, Garage Equipment	SEC	2,534	(2,081)	-	31	-
82	TN	Q	344000	Laboratory Equipment	SEC	790	(148,865)	-	(1,496)	712
83	TN	Q	345000	Power Operated Equipment	SEC	41,485	(9,547)	-	2,245	1,547
84	TN	Q	346190	Remote Control & Instrument	SEC	3,502	(1,908)	-	67	-
85	TN	Q	347000	Misc Equipment	SEC	7,793	(1,596)	-	392	2,546
86										
87	TN	R	304300	Struct & Imp-Treatment	QIIP	(60)	(94,900)	-	(3,903)	-
88	TN	R	304301	Struct & Imp-Treatment-Dpr Paint	QIIP	1,200,693	(157,068)	-	125,861	573,230
89	TN	R	320100	WT Equip Non-Media	QIIP	432,922	(125,175)	-	3,354	78,720
90	TN	R	320200	Water Trmt Equip Filter Media	QIIP	44,626	(30,782)	-	4,664	174,697
91	TN	R	330000	Dist Reservoirs & Standpipes	QIIP	391,340	-	-	8,140	0
92	TN	R	330003	Tank Repainting	QIIP	136,152	(33,721)	-	11,349	63,356
93	TN	R	330100	Elevated Tanks & Standpipes	QIIP	27,877	-	-	764	-
94	TN	R	330200	Ground Level Tanks	QIIP	-	(446)	-	(12)	977
95										
96	TN	S	331001	Transmission & Distribution Mains		-	-	-	-	-
97										
98										
99										
100										

ACQUISITIONS

Tennessee American Water Company
Qualified Infrastructure Improvement Program
Economic Development Rider
Safety and Environmental Compliance Rider

ACTUAL 2016 From Docket #17-00020

Business Unit Tennessee
Revision Date May 21, 2015
Description TN BP 2016-2020 SCEP

2016

Line #	Business Unit No.	Project Title	Account	Account Description	Surcharge	Average Plant in Service	Average Retires (Replacement Projects Only)	Average CIAC	Depreciation Expense	Cost of Removal Less Salvage
101		Total Acquisitions								
102										
103		CENTRALLY SPONSORED PROJECTS								
104	TN	T26-0202	Business Transformation 2010 - 2014	340315	Computer Software Special Deprec Rate	-				
105	TN	T26-0203	Business Transformation 2010 - 2014	340315	Computer Software Special Deprec Rate	-				
106		Total Centrally Sponsored Projects								
107										
108		INVESTMENT PROJECTS								
109	TN	I26-020017	Electrical Motor Efficiency Enhancement (\$2.9)		SEC	-	-	-	-	-
110	TN	I26-020027	Construct 1.0MG Tank & 2500-16" ER (\$1.0)		EDI	-	-	-	-	-
111	TN	I26-020028	Citico Plant Improvements Phase 1B (\$8.6)	304300	Struct & Imp-Treatment	3,271,460	-	-	134,457	-
112	TN	I26-020028		320100	WT Equip Non-Media	1,090,487	-	-	11,886	-
	TN	I26-020028		346190	Remote Control & Instrument					
113	TN	I26-020032	Wastewater Treatm't & Handling Impr (\$15.3)	304200	Struct & Imp-Pumping	11,146	(8,998)	-	43	-
114	TN	I26-020032		304300	Struct & Imp-Treatment	292,069	(33,444)	-	10,629	-
115	TN	I26-020032		304400	Struct & Imp-T&D	-	-	-	-	-
116	TN	I26-020032		304500	Structures & Improvement - General	9,144,824	-	-	103,337	-
117	TN	I26-020032		320100	WT Equip Non-Media	5,872,933	(235)	-	64,012	-
118	TN	I26-020032		330200	Ground Level Tanks	45,633	-	-	1,250	-
119	TN	I26-020032		347000	Misc Equipment	18,525	-	-	1,173	-
120	TN	I26-020034	3000'-24" Tennessee River Crossing (\$0.5)		EDI	-				
121	TN	I26-020038	Retire Basin 1	304300	Struct & Imp-WT	-				
122	TN	I26-020039	Basin 2 Tube Settlers		SEC	-				
123	TN	I26-020040	Chlorine Gas Conversion		SEC	-			-	
124	TN	I26-020041	Electrical - Breakers and Relays (\$0.6)							
125	TN	I26-020042	Pumping Auxiliary Power (\$1.4)							
126	TN	I26-020043	Energy Reduction and Efficiency (\$0.87)							
127	TN	I26-020044	New Raw Water Intake Citico (\$13)							
128	TN	I26-020045	Renovate Filter Bldg 3 (\$0.75)							
129	TN	I26-020046	New Field Services Facility (\$4.5)							
130	TN	I26-050001	Raw Water Intake Improvements Whitwell (\$2)							
131	TN	I26-050002	Facility Upgrades at Whitwell WTP (\$0.3) 1/3 in 2018							
	TN	I26-050002		346190	Remote Control & Instrument					
132	TN	I26-050003	Replace 0.5 MG Storage Tanks at Whitwell (\$5)							
133	TN	I26-050004	Replace 0.1 MG Storage Tank at Whitwell (\$0.3) 1/3 in 18							
134	TN	I26-020002	Post Acquisition BD Capex			-			-	
135	TN	I26-000001	Whitwell Acquisition Capital Investment	331001	Transmission & Distribution Mains	-			-	
136	TN	I26-000001		320200	Struct & Imp-Supply	-			-	
137	TN	I26-000001		311520	Struct & Imp-Pumping	-			-	
138	TN	I26-000001		340200	Struct & Imp-Treatment	-			-	
139										
140	TN	(1) Retire Basin 1 project postponed and amounts shifted to		Total DV Included:	Total DV Included:	\$ 38,338,715	\$ (2,004,780)	\$ (419,304)	\$ 849,206	\$ 2,748,020
141	TN	I26-020032 Wastewater Treatment & Handling Project.								
142	TN	Spend added and in-serviced in April 2016		Total DV Excluded:	Total DV Excluded:	\$ 38,338,715	\$ (2,004,780)	\$ (419,304)	\$ 849,206	\$ 2,748,020
143										
144	TN	(2) From prior docket #s and sourced accounts.		Total Surcharge Amt:	Total Surcharge Amt:	\$ 38,338,715	\$ (2,004,780)	\$ (419,304)	\$ 849,206	\$ 2,748,020
145	TN	(3) From actual or estimated in-service data provided by the company.								
146	TN	(4) Tax depreciation rates utilized by the company.		SEC Total:	SEC Total:	\$ 20,051,357	\$ (943,971)	\$ -	\$ 372,362	\$ 637,263

Tennessee American Water Company
Qualified Infrastructure Improvement Program
Economic Development Rider
Safety and Environmental Compliance Rider

ACTUAL 2016 From Docket #17-00020

Business Unit Tennessee
Revision Date May 21, 2015
Description TN BP 2016-2020 SCEP

Description	TN BP 2016-2020 SCEP					2016				
	Business Unit No.	Project Title	Account	Account Description	Surcharge	Average Plant in Service	Average Retires (Replacement Projects Only)	Average CIAC	Depreciation Expense	Cost of Removal Less Salvage
Line #										
147										
148				EDI Total:		\$ 761,222	\$ (882)	\$ (1,778)	\$ 10,235	\$ 933
149										
150				QIIP Total:		\$ 17,526,136	\$ (1,059,927)	\$ (417,526)	\$ 466,610	\$ 2,109,824

Tennessee American Water Company
Qualified Infrastructure Improvement Program
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ACTUAL 2016 From Docket #17-00020

Business Unit Tennessee
Revision Date May 21, 2015
Description TN BP 2016-2020 SCEP

Line #		Business Unit No.	Project Title	Account	Account Description	Tax Depr class life	Y1 Tax Depr Rate (4)	Y2 Tax Depr Rate (4)	Y3 Tax Depr Rate (4)	Tax Depreciation	Tax over Book Depreciation
1			RECURRING PROJECTS								
2	TN	DV	Projects Funded by Others	331001	Transmission & Distribution Mains	25 yr	0.02	0.04	0.04	\$ -	-
3	TN	DV		333000	Services	25 yr	0.02	0.04	0.04	-	-
4	TN	DV		335000	Hydrants	25 yr	0.02	0.04	0.04	-	-
5											
6	TN	A	Mains - New	331001	Transmission & Distribution Mains	25 yr	0.02	0.04	0.04	21,077	14,186
7	TN	A		333000	Services	25 yr	0.02	0.04	0.04	179	125
8	TN	A		334300	Meter Vaults	25 yr	0.02	0.04	0.04	364	(56)
9	TN	A		335000	Hydrants	25 yr	0.02	0.04	0.04	721	273
10											
11	TN	B	Mains - Replaced / Restored	331001	Transmission & Distribution Mains	25 yr	0.02	0.04	0.04	86,369	60,282
12	TN	B		333000	Services	25 yr	0.02	0.04	0.04	6,990	5,066
13	TN	B		335000	Hydrants	25 yr	0.02	0.04	0.04	1,175	511
14											
15	TN	C	Mains - Unscheduled	331001	Transmission & Distribution Mains	25 yr	0.02	0.04	0.04	120,791	82,710
16	TN	C		335000	Hydrants	25 yr	0.02	0.04	0.04	100	(83)
17											
18	TN	D	Mains - Relocated	331001	Transmission & Distribution Mains	25 yr	0.02	0.04	0.04	49,344	37,481
19	TN	D		333000	Services	25 yr	0.02	0.04	0.04	53	38
20	TN	D		335000	Hydrants	25 yr	0.02	0.04	0.04	379	1,632
21											
22	TN	E	Hydrants, Valves, and Manholes - New	331001	Transmission & Distribution Mains	25 yr	0.02	0.04	0.04	5,111	3,406
23	TN	E		335000	Hydrants	25 yr	0.02	0.04	0.04	1,361	644
24											
25	TN	F	Hydrants, Valves, and Manholes - Replaced	331001	Transmission & Distribution Mains	25 yr	0.02	0.04	0.04	5,241	3,824
26	TN	F		335000	Hydrants	25 yr	0.02	0.04	0.04	18,347	8,098
27											
28	TN	G	Services and Laterals - New	333000	Services	25 yr	0.02	0.04	0.04	-	-
29											
30	TN	H	Services and Laterals - Replaced	333000	Services	25 yr	0.02	0.04	0.04	43,017	30,933
31	TN	H		334100	Meters	25 yr	0.02	0.04	0.04	99	133
32											
33	TN	I	Meters - New	334100	Meters	25 yr	0.02	0.04	0.04	-	-
34	TN	I		334200	Meter Installations	25 yr	0.02	0.04	0.04	-	-
35											
36	TN	J	Meters - Replaced	334100	Meters	25 yr	0.02	0.04	0.04	11,484	(10,472)
37	TN	J		334200	Meter Installations	25 yr	0.02	0.04	0.04	77,114	30,303
38											
39	TN	K	ITS Equipment and Systems	340200	Computer & Peripheral Equipment	5 yr	0.2	0.32	0.192	-	-
40											
41	TN	L	SCADA Equipment and Systems	320100	WT Equip Non-Media	25 yr	0.02	0.04	0.04	10,733	7,943
42	TN	L		340200	Computer & Peripheral Equipment	5 yr	0.2	0.32	0.192	7,664	7,581
43	TN	L		346100	Comm Equip Non-Telephone	5 yr	0.2	0.32	0.192	5,820	4,089
44	TN	L		346190	Remote Control & Instrument	5 yr	0.2	0.32	0.192	147,384	130,252
45											
46	TN	M	Security Equipment and Systems	304100	Struct & Imp-Supply						
47	TN	M		304200	Struct & Imp-Pumping						
48	TN	M		304300	Structures & Improvement - Treatment	39 yr	0.01282	0.02564	0.02564	4,135	(1,457)
49	TN	M		304400	Struct & Imp-Treatment-T&D	39 yr	0.01282	0.02564	0.02564	561	490
50	TN	M		304500	Structures & Improvement - General	39 yr	0.01282	0.02564	0.02564	159	89

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Business Unit Tennessee
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Line #	Business Unit No.	Project Title	Account	Account Description	Tax Depr class life	Y1 Tax Depr Rate (4)	Y2 Tax Depr Rate (4)	Y3 Tax Depr Rate (4)	Tax Depreciation	Tax over Book Depreciation
51	TN	M	340200	Computer & Peripheral Equipment						
52										
53	TN	N	304500	Structures & Improvement - General	39 yr	0.01282	0.02564	0.02564	-	-
54										
55	TN	O	341100	Transportation Equip Lt Duty Trucks	5 yr	0.2	0.32	0.192	-	-
56	TN	O	341200	Transportation Equip Hvy Duty Trucks	5 yr	0.2	0.32	0.192	-	-
57	TN	O	341300	Transportation Equip Autos	5 yr	0.2	0.32	0.192	-	-
58										
59	TN	P	343000	Tools and Equipment	25 yr	0.02	0.04	0.04	-	-
60										
61	TN	Q	304100	Struct & Imp-Supply	39 yr	0.01282	0.02564	0.02564	4,631	1,731
62	TN	Q	304200	Struct & Imp-Pumping	39 yr	0.01282	0.02564	0.02564	4,810	1,527
63	TN	Q	304300	Struct & Imp-Treatment	39 yr	0.01282	0.02564	0.02564	367	(82)
64	TN	Q	304400	Struct & Imp-Treatment-T&D	39 yr	0.01282	0.02564	0.02564	658	111
65	TN	Q	304500	Structures & Improvement - General	39 yr	0.01282	0.02564	0.02564	711	397
66	TN	Q	304600	Struc & Imp-Offices						
67	TN	Q	304700	Struct & Imp-Store,Shop,Garage	39 yr	0.01282	0.02564	0.02564	-	55
68	TN	Q	306000	Lake, River & Other Intakes	25 yr	0.02	0.04	0.04	485	346
69	TN	Q	309000	Supply Mains	25 yr	0.02	0.04	0.04	394	210
70	TN	Q	310000	Power Generation Equip	25 yr	0.02	0.04	0.04	1,003	(2,088)
71	TN	Q	311200	Pump Eqp Electric	25 yr	0.02	0.04	0.04	798	1,284
72	TN	Q	311520	Pumping Equipment SOS	25 yr	0.02	0.04	0.04	26,352	14,691
73	TN	Q	320100	WT Equip Non-Media	25 yr	0.02	0.04	0.04	73,534	55,938
74	TN	Q	320200	Water Trmt Equip Filter Media	25 yr	0.02	0.04	0.04	27,799	(95,786)
75	TN	Q	330000	Dist Reservoirs & Standpipes	25 yr	0.02	0.04	0.04	-	0
76	TN	Q	331001	Transmission & Distribution Mains	25 yr	0.02	0.04	0.04	-	-
77	TN	Q	334100	Meters	25 yr	0.02	0.04	0.04	-	-
78	TN	Q	340200	Computer & Peripheral Equipment	5 yr	0.2	0.32	0.192	-	0
79	TN	Q	340300	Computer Software						
80	TN	Q	340330	Computer Software Other						
81	TN	Q	343000	Tools, Shop, Garage Equipment	25 yr	0.02	0.04	0.04	66	35
82	TN	Q	344000	Laboratory Equipment	25 yr	0.02	0.04	0.04	29	1,525
83	TN	Q	345000	Power Operated Equipment	25 yr	0.02	0.04	0.04	1,659	(586)
84	TN	Q	346190	Remote Control & Instrument	5 yr	0.2	0.32	0.192	1,120	1,053
85	TN	Q	347000	Misc Equipment	25 yr	0.02	0.04	0.04	312	(81)
86										
87	TN	R	304300	Struct & Imp-Treatment	39 yr	0.01282	0.02564	0.02564	(10)	3,893
88	TN	R	304301	Struct & Imp-Treatment-Dpr Paint	39 yr	0.01282	0.02564	0.02564	16,034	(109,827)
89	TN	R	320100	WT Equip Non-Media	25 yr	0.02	0.04	0.04	51,408	48,053
90	TN	R	320200	Water Trmt Equip Filter Media	25 yr	0.02	0.04	0.04	1,055	(3,609)
91	TN	R	330000	Dist Reservoirs & Standpipes	25 yr	0.02	0.04	0.04	11,813	3,673
92	TN	R	330003	Tank Repainting	25 yr	0.02	0.04	0.04	7,691	(3,659)
93	TN	R	330100	Elevated Tanks & Standpipes	25 yr	0.02	0.04	0.04	1,812	1,048
94	TN	R	330200	Ground Level Tanks	25 yr	0.02	0.04	0.04	-	12
95										
96	TN	S	331001	Transmission & Distribution Mains	25 yr	0.02	0.04	0.04	-	-
97										
98										
99										
100										

ACQUISITIONS

Tennessee American Water Company
Qualified Infrastructure Improvement Program
Economic Development Rider
Safety and Environmental Compliance Rider

ACTUAL 2016 From Docket #17-00020

Business Unit Tennessee
Revision Date May 21, 2015
Description TN BP 2016-2020 SCEP

Line #	Business Unit No.	Project Title	Account	Account Description	Tax Depr class life	Y1 Tax Depr Rate (4)	Y2 Tax Depr Rate (4)	Y3 Tax Depr Rate (4)	Tax Depreciation	Tax over Book Depreciation
101		Total Acquisitions								
102										
103		CENTRALLY SPONSORED PROJECTS								
104	TN	T26-0202 Business Transformation 2010 - 2014	340315	Computer Software Special Deprec Rate	3 yr	0.3333	0.3333	0.3334		-
105	TN	T26-0203 Business Transformation 2010 - 2014	340315	Computer Software Special Deprec Rate						
106		Total Centrally Sponsored Projects								
107										
108		INVESTMENT PROJECTS								
109	TN	I26-020017 Electrical Motor Efficiency Enhancement (\$2.9)							-	
110	TN	I26-020027 Construct 1.0MG Tank & 2500-16" ER (\$1.0)							-	
111	TN	I26-020028 Citico Plant Improvements Phase 1B (\$8.6)	304300	Struct & Imp-Treatment	39 yr	0.01282	0.02564	0.02564	80,643	(53,814)
112	TN	I26-020028	320100	WT Equip Non-Media	25 yr	0.02	0.04	0.04	41,936	30,050
	TN	I26-020028	346190	Remote Control & Instrument						
113	TN	I26-020032 Wastewater Treatm't & Handling Impr (\$15.3)	304200	Struct & Imp-Pumping	39 yr	0.01282	0.02564	0.02564	187	145
114	TN	I26-020032	304300	Struct & Imp-Treatment	39 yr	0.01282	0.02564	0.02564	5,058	(5,571)
115	TN	I26-020032	304400	Struct & Imp-T&D	39 yr	0.01282	0.02564	0.02564	-	-
116	TN	I26-020032	304500	Structures & Improvement - General	39 yr	0.01282	0.02564	0.02564	236,888	133,552
117	TN	I26-020032	320100	WT Equip Non-Media	25 yr	0.02	0.04	0.04	231,848	167,836
118	TN	I26-020032	330200	Ground Level Tanks	25 yr	0.02	0.04	0.04	1,844	594
119	TN	I26-020032	347000	Misc Equipment	25 yr	0.02	0.04	0.04	745	(428)
120	TN	I26-020034 3000'-24" Tennessee River Crossing (\$0.5)								
121	TN	I26-020038 Retire Basin 1	304300	Struct & Imp-WT	39 yr	0.01282	0.02564	0.02564		-
122	TN	I26-020039 Basin 2 Tube Settlers								
123	TN	I26-020040 Chlorine Gas Conversion								
124	TN	I26-020041 Electrical - Breakers and Relays (\$0.6)								
125	TN	I26-020042 Pumping Auxiliary Power (\$1.4)								
126	TN	I26-020043 Energy Reduction and Efficiency (\$0.87)								
127	TN	I26-020044 New Raw Water Intake Citico (\$13)								
128	TN	I26-020045 Renovate Filter Bldg 3 (\$0.75)								
129	TN	I26-020046 New Field Services Facility (\$4.5)								
130	TN	I26-050001 Raw Water Intake Improvements Whitwell (\$2)								
131	TN	I26-050002 Facility Upgrades at Whitwell WTP (\$0.3) 1/3 in 2018								
	TN	I26-050002	346190	Remote Control & Instrument						
132	TN	I26-050003 Replace 0.5 MG Storage Tanks at Whitwell (\$.5)								
133	TN	I26-050004 Replace 0.1 MG Storage Tank at Whitwell (\$0.3) 1/3 in 18								
134	TN	I26-020002 Post Acquisition BD Capex								
135	TN	I26-000001 Whitwell Acquisition Capital Investment	331001	Transmission & Distribution Mains	25 yr	0.02	0.04	0.04	-	-
136	TN	I26-000001	320200	Struct & Imp-Supply	25 yr	0.02	0.04	0.04	-	-
137	TN	I26-000001	311520	Struct & Imp-Pumping	25 yr	0.02	0.04	0.04	-	-
138	TN	I26-000001	340200	Struct & Imp-Treatment	5 yr	0.2	0.32	0.192	-	-
139										
140	TN	(1) Retire Basin 1 project postponed and amounts shifted to		Total DV Included:					\$ 1,459,453	\$ 610,246
141	TN	I26-020032 Wastewater Treatment & Handling Project.								
142	TN	Spend added and in-serviced in April 2016		Total DV Excluded:					\$ 1,459,453	\$ 610,246
143										
144	TN	(2) From prior docket #s and sourced accounts.		Total Surcharge Amt:					\$ 1,459,453	\$ 610,246
145	TN	(3) From actual or estimated in-service data provided by the company.								
146	TN	(4) Tax depreciation rates utilized by the company.		SEC Total:					\$ 797,757	\$ 425,395

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ACTUAL 2016 From Docket #17-00020

Business Unit Tennessee
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Line #	Business Unit No.	Project Title	Account	Account Description	Tax Depr class life	Y1 Tax Depr Rate (4)	Y2 Tax Depr Rate (4)	Y3 Tax Depr Rate (4)	Tax Depreciation	Tax over Book Depreciation
147										
148				EDI Total:					\$ 28,812	\$ 18,577
149										
150				QIIP Total:					\$ 632,884	\$ 166,274

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Line #		Business Unit No.	Project Title	Account	Account Description	Tax Rate	Depreciation Deferred Tax (DTA, (DTL))	NOTES
1			RECURRING PROJECTS					
2	TN	DV	Projects Funded by Others	331001	Transmission & Distribution Mains	0.39225	-	This should be zero if related to non-taxable
3	TN	DV		333000	Services	0.39225	-	This should be zero if related to non-taxable
4	TN	DV		335000	Hydrants	0.39225	-	This should be zero if related to non-taxable
5								
6	TN	A	Mains - New	331001	Transmission & Distribution Mains	0.39225	(5,565)	
7	TN	A		333000	Services	0.39225	(49)	
8	TN	A		334300	Meter Vaults	0.39225	22	
9	TN	A		335000	Hydrants	0.39225	(107)	
10								
11	TN	B	Mains - Replaced / Restored	331001	Transmission & Distribution Mains	0.39225	(23,645)	
12	TN	B		333000	Services	0.39225	(1,987)	
13	TN	B		335000	Hydrants	0.39225	(201)	
14								
15	TN	C	Mains - Unscheduled	331001	Transmission & Distribution Mains	0.39225	(32,443)	
16	TN	C		335000	Hydrants	0.39225	33	
17								
18	TN	D	Mains - Relocated	331001	Transmission & Distribution Mains	0.39225	(14,702)	
19	TN	D		333000	Services	0.39225	(15)	
20	TN	D		335000	Hydrants	0.39225	(640)	
21								
22	TN	E	Hydrants, Valves, and Manholes - New	331001	Transmission & Distribution Mains	0.39225	(1,336)	
23	TN	E		335000	Hydrants	0.39225	(253)	
24								
25	TN	F	Hydrants, Valves, and Manholes - Replaced	331001	Transmission & Distribution Mains	0.39225	(1,500)	
26	TN	F		335000	Hydrants	0.39225	(3,176)	
27								
28	TN	G	Services and Laterals - New	333000	Services	0.39225	-	
29								
30	TN	H	Services and Laterals - Replaced	333000	Services	0.39225	(12,133)	
31	TN	H		334100	Meters	0.39225	(52)	
32								
33	TN	I	Meters - New	334100	Meters	0.39225	-	
34	TN	I		334200	Meter Installations	0.39225	-	
35								
36	TN	J	Meters - Replaced	334100	Meters	0.39225	4,108	
37	TN	J		334200	Meter Installations	0.39225	(11,886)	
38								
39	TN	K	ITS Equipment and Systems	340200	Computer & Peripheral Equipment	0.39225	-	
40								
41	TN	L	SCADA Equipment and Systems	320100	WT Equip Non-Media	0.39225	(3,116)	
42	TN	L		340200	Computer & Peripheral Equipment	0.39225	(2,974)	
43	TN	L		346100	Comm Equip Non-Telephone	0.39225	(1,604)	
44	TN	L		346190	Remote Control & Instrument	0.39225	(51,091)	
45								
46	TN	M	Security Equipment and Systems	304100	Struct & Imp-Supply			
47	TN	M		304200	Struct & Imp-Pumping			
48	TN	M		304300	Structures & Improvement - Treatment	0.39225	571	
49	TN	M		304400	Struct & Imp-Treatment-T&D	0.39225	(192)	
50	TN	M		304500	Structures & Improvement - General	0.39225	(35)	

Tennessee American Water Company
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Business Unit Tennessee
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Line #	Business Unit No.	Project Title	Account	Account Description	Tax Rate	Depreciation Deferred Tax (DTA, (DTL))
51	TN	M	340200	Computer & Peripheral Equipment		
52						
53	TN	N	304500	Structures & Improvement - General	0.39225	-
54						
55	TN	O	341100	Transportation Equip Lt Duty Trucks	0.39225	-
56	TN	O	341200	Transportation Equip Hvy Duty Trucks	0.39225	-
57	TN	O	341300	Transportation Equip Autos	0.39225	-
58						
59	TN	P	343000	Tools, Shop, Garage Equipment	0.39225	-
60						
61	TN	Q	304100	Struct & Imp-Supply	0.39225	(679)
62	TN	Q	304200	Struct & Imp-Pumping	0.39225	(599)
63	TN	Q	304300	Struct & Imp-Treatment	0.39225	32
64	TN	Q	304400	Struct & Imp-Treatment-T&D	0.39225	(44)
65	TN	Q	304500	Structures & Improvement - General	0.39225	(156)
66	TN	Q	304600	Struc & Imp-Offices		
67	TN	Q	304700	Struct & Imp-Store,Shop,Garage	0.39225	(21)
68	TN	Q	306000	Lake, River & Other Intakes	0.39225	(136)
69	TN	Q	309000	Supply Mains	0.39225	(82)
70	TN	Q	310000	Power Generation Equip	0.39225	819
71	TN	Q	311200	Pump Eqp Electric	0.39225	(504)
72	TN	Q	311520	Pumping Equipment SOS	0.39225	(5,763)
73	TN	Q	320100	WT Equip Non-Media	0.39225	(21,942)
74	TN	Q	320200	Water Trmt Equip Filter Media	0.39225	37,572
75	TN	Q	330000	Dist Reservoirs & Standpipes	0.39225	(0)
76	TN	Q	331001	Transmission & Distribution Mains	0.39225	-
77	TN	Q	334100	Meters	0.39225	-
78	TN	Q	340200	Computer & Peripheral Equipment	0.39225	(0)
79	TN	Q	340300	Computer Software		
80	TN	Q	340330	Computer Software Other		
81	TN	Q	343000	Tools, Shop, Garage Equipment	0.39225	(14)
82	TN	Q	344000	Laboratory Equipment	0.39225	(598)
83	TN	Q	345000	Power Operated Equipment	0.39225	230
84	TN	Q	346190	Remote Control & Instrument	0.39225	(413)
85	TN	Q	347000	Misc Equipment	0.39225	32
86						
87	TN	R	304300	Struct & Imp-Treatment	0.39225	(1,527)
88	TN	R	304301	Struct & Imp-Treatment-Dpr Paint	0.39225	43,080
89	TN	R	320100	WT Equip Non-Media	0.39225	(18,849)
90	TN	R	320200	Water Trmt Equip Filter Media	0.39225	1,416
91	TN	R	330000	Dist Reservoirs & Standpipes	0.39225	(1,441)
92	TN	R	330003	Tank Repainting	0.39225	1,435
93	TN	R	330100	Elevated Tanks & Standpipes	0.39225	(411)
94	TN	R	330200	Ground Level Tanks	0.39225	(5)
95						
96	TN	S	331001	Transmission & Distribution Mains	0.39225	-
97						
98						
99						
100						

NOTES

Total Recurring Projects

ACQUISITIONS

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Business Unit Tennessee
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Line #	Business Unit No.	Project Title	Account	Account Description	Tax Rate	Depreciation Deferred Tax (DTA, (DTL))	NOTES
101		Total Acquisitions					
102							
103		CENTRALLY SPONSORED PROJECTS					
104	TN	T26-0202 Business Transformation 2010 - 2014	340315	Computer Software Special Deprec Rate	0.39225	-	
105	TN	T26-0203 Business Transformation 2010 - 2014	340315	Computer Software Special Deprec Rate			
106		Total Centrally Sponsored Projects					
107							
108		INVESTMENT PROJECTS					
109	TN	I26-020017 Electrical Motor Efficiency Enhancement (\$2.9)				-	
110	TN	I26-020027 Construct 1.0MG Tank & 2500-16" ER (\$1.0)				-	
111	TN	I26-020028 Citico Plant Improvements Phase 1B (\$8.6)	304300	Struct & Imp-Treatment	0.39225	21,109	
112	TN	I26-020028	320100	WT Equip Non-Media	0.39225	(11,787)	
	TN	I26-020028	346190	Remote Control & Instrument		-	
113	TN	I26-020032 Wastewater Treatm't & Handling Impr (\$15.3)	304200	Struct & Imp-Pumping	0.39225	(57)	
114	TN	I26-020032	304300	Struct & Imp-Treatment	0.39225	2,185	
115	TN	I26-020032	304400	Struct & Imp-T&D	0.39225	-	
116	TN	I26-020032	304500	Structures & Improvement - General	0.39225	(52,386)	
117	TN	I26-020032	320100	WT Equip Non-Media	0.39225	(65,834)	
118	TN	I26-020032	330200	Ground Level Tanks	0.39225	(233)	
119	TN	I26-020032	347000	Misc Equipment	0.39225	168	
120	TN	I26-020034 3000'-24" Tennessee River Crossing (\$0.5)				-	
121	TN	I26-020038 Retire Basin 1	304300	Struct & Imp-WT	0.39225	-	
122	TN	I26-020039 Basin 2 Tube Settlers				-	
123	TN	I26-020040 Chlorine Gas Conversion				-	
124	TN	I26-020041 Electrical - Breakers and Relays (\$0.6)				-	
125	TN	I26-020042 Pumping Auxiliary Power (\$1.4)				-	
126	TN	I26-020043 Energy Reduction and Efficiency (\$0.87)				-	
127	TN	I26-020044 New Raw Water Intake Citico (\$13)				-	
128	TN	I26-020045 Renovate Filter Bldg 3 (\$0.75)				-	
129	TN	I26-020046 New Field Services Facility (\$4.5)				-	
130	TN	I26-050001 Raw Water Intake Improvements Whitwell (\$2)				-	
131	TN	I26-050002 Facility Upgrades at Whitwell WTP (\$0.3) 1/3 in 2018				-	
	TN	I26-050002	346190	Remote Control & Instrument		-	
132	TN	I26-050003 Replace 0.5 MG Storage Tanks at Whitwell (\$.5)				-	
133	TN	I26-050004 Replace 0.1 MG Storage Tank at Whitwell (\$0.3) 1/3 in 18				-	
134	TN	I26-020002 Post Acquisition BD Capex				-	
135	TN	I26-000001 Whitwell Acquisition Capital Investment	331001	Transmission & Distribution Mains	0.39225	-	
136	TN	I26-000001	320200	Struct & Imp-Supply	0.39225	-	
137	TN	I26-000001	311520	Struct & Imp-Pumping	0.39225	-	
138	TN	I26-000001	340200	Struct & Imp-Treatment	0.39225	-	
139							
140	TN	(1) Retire Basin 1 project postponed and amounts shifted to		Total DV Included:		\$ (239,369)	See note under DV above
141	TN	I26-020032 Wastewater Treatment & Handling Project.					
142	TN	Spend added and in-serviced in April 2016		Total DV Excluded:		\$ (239,369)	
143							
144	TN	(2) From prior docket #s and sourced accounts.		Total Surcharge Amt:		\$ (239,369)	
145	TN	(3) From actual or estimated in-service data provided by the company.					
146	TN	(4) Tax depreciation rates utilized by the company.		SEC Total:		\$ (166,861)	

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Line #	Business Unit No.	Project Title	Account	Account Description	Tax Rate	Depreciation Deferred Tax (DTA, (DTL))
147						
148				EDI Total:		<u>\$ (7,287)</u>
149						
150				QIIP Total:		<u><u>\$ (65,221)</u></u>

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Line #	Business Unit No.		Project Title	Account	Account Description	Average Accum Depreciation	Average Depreciation Deferred Tax (DTA, (DTL))	Actual Retirements	Actual COR Less Salvage	Actual CIAC
1			RECURRING PROJECTS							
2	TN	DV	Projects Funded by Others	331001	Transmission & Distribution Mains	\$ -	\$ -	\$ -	\$ -	\$ -
3	TN	DV		333000	Services	-	-	0	0	0
4	TN	DV		335000	Hydrants	-	-	0	0	0
5										
6	TN	A	Mains - New	331001	Transmission & Distribution Mains	(6,750)	(5,065)	0	0	0
7	TN	A		333000	Services	(57)	(38)	0	0	0
8	TN	A		334300	Meter Vaults	(210)	11	0	0	0
9	TN	A		335000	Hydrants	(386)	(79)	0	0	0
10										
11	TN	B	Mains - Replaced / Restored	331001	Transmission & Distribution Mains	(28,824)	(27,766)	(94,325)	32,334	0
12	TN	B		333000	Services	(1,867)	(2,161)	0	43,766	0
13	TN	B		335000	Hydrants	(1,056)	(234)	(1,386)	626	0
14										
15	TN	C	Mains - Unscheduled	331001	Transmission & Distribution Mains	(41,974)	(33,199)	(120,626)	419,781	0
16	TN	C		335000	Hydrants	(92)	16	0	0	0
17										
18	TN	D	Mains - Relocated	331001	Transmission & Distribution Mains	(9,528)	(17,879)	(125,193)	118,552	(493,440)
19	TN	D		333000	Services	(17)	(17)	0	48,961	0
20	TN	D		335000	Hydrants	1,972	(905)	(64,148)	0	0
21										
22	TN	E	Hydrants, Valves, and Manholes - New	331001	Transmission & Distribution Mains	(1,379)	(1,589)	0	0	0
23	TN	E		335000	Hydrants	(2,249)	(84)	(882)	933	(3,845)
24										
25	TN	F	Hydrants, Valves, and Manholes - Replaced	331001	Transmission & Distribution Mains	(1,109)	(1,724)	(16,474)	41,299	0
26	TN	F		335000	Hydrants	(14,847)	(3,450)	(36,277)	576	0
27										
28	TN	G	Services and Laterals - New	333000	Services	-	-	0	0	0
29										
30	TN	H	Services and Laterals - Replaced	333000	Services	(15,552)	(14,200)	(26,973)	323,618	0
31	TN	H		334100	Meters	17	(26)	(6,402)	9,644	0
32										
33	TN	I	Meters - New	334100	Meters	-	-	0	0	0
34	TN	I		334200	Meter Installations	-	-	0	0	0
35										
36	TN	J	Meters - Replaced	334100	Meters	(35,279)	8,816	(263,089)	95,862	0
37	TN	J		334200	Meter Installations	(55,405)	(11,364)	(21,594)	522,503	0
38										
39	TN	K	ITS Equipment and Systems	340200	Computer & Peripheral Equipment	-	-	0	0	0
40										
41	TN	L	SCADA Equipment and Systems	320100	WT Equip Non-Media	(5,915)	(5,240)	(12,365)	5,933	0
42	TN	L		340200	Computer & Peripheral Equipment	(251)	(2,553)	0	0	0
43	TN	L		346100	Comm Equip Non-Telephone	(3,583)	(6,808)	0	0	0
44	TN	L		346190	Remote Control & Instrument	(18,187)	(65,637)	(55,134)	2,797	0
45										
46	TN	M	Security Equipment and Systems	304100	Struct & Imp-Supply					
47	TN	M		304200	Struct & Imp-Pumping					
48	TN	M		304300	Structures & Improvement - Treatment	(3,212)	(213)	(5,678)	1,932	0
49	TN	M		304400	Struct & Imp-Treatment-T&D	(36)	(96)	0	0	0
50	TN	M		304500	Structures & Improvement - General	(105)	(52)	0	0	0

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Line #	Business Unit No.	Project Title	Account	Account Description	Average Accum Depreciation	Average Depreciation Deferred Tax (DTA, (DTL))	Actual Retirements	Actual COR Less Salvage	Actual CIAC
51	TN	M	340200	Computer & Peripheral Equipment					
52									
53	TN	N	304500	Offices and Operations Centers	-	-	0	0	0
54									
55	TN	O	341100	Vehicles	-	-	0	0	0
56	TN	O	341200	Transportation Equip Lt Duty Trucks	-	-	0	0	0
57	TN	O	341300	Transportation Equip Hvy Duty Trucks	-	-	0	0	0
58									
59	TN	P	343000	Tools and Equipment	-	-	0	0	0
60									
61	TN	Q	304100	Process Plant Facilities and Equipment	(4,645)	(621)	0	874	0
62	TN	Q	304200	Struct & Imp-Supply	(1,546)	(337)	(22,521)	10,481	0
63	TN	Q	304300	Struct & Imp-Pumping	(13)	(88)	(5,522)	2,123	0
64	TN	Q	304400	Struct & Imp-Treatment	(315)	(134)	0	0	0
65	TN	Q	304500	Struct & Imp-Treatment-T&D	(330)	(149)	0	277	0
66	TN	Q	304600	Structures & Improvement - General					
67	TN	Q	304700	Struc & Imp-Offices	64	(25)	(7,869)	1	0
68	TN	Q	306000	Struct & Imp-Store,Shop,Garage	(70)	(68)	0	313	0
69	TN	Q	309000	Lake, River & Other Intakes	(354)	(93)	0	0	0
70	TN	Q	310000	Supply Mains	(6,712)	721	0	115	0
71	TN	Q	311200	Power Generation Equip	466	(460)	(55,589)	6,107	0
72	TN	Q	311520	Pump Eqp Electric	(10,688)	(6,029)	(59,155)	9,670	0
73	TN	Q	320100	Pumping Equipment SOS	(21,053)	(23,437)	(330,768)	288,357	0
74	TN	Q	320200	WT Equip Non-Media	(165,014)	53,831	(356,063)	387,744	0
75	TN	Q	330000	Water Trmt Equip Filter Media	0	(0)	(0)	0	0
76	TN	Q	331001	Dist Reservoirs & Standpipes	-	-	0	0	0
77	TN	Q	334100	Transmission & Distribution Mains	-	-	0	0	0
78	TN	Q	340200	Meters	0	(0)	(0)	105	0
79	TN	Q	340300	Computer & Peripheral Equipment					
80	TN	Q	340330	Computer Software					
81	TN	Q	340330	Computer Software Other	(16)	(7)	(2,705)	0	0
82	TN	Q	343000	Tools, Shop, Garage Equipment	2,362	(834)	(149,672)	1,033	0
83	TN	Q	344000	Laboratory Equipment	(3,144)	582	(11,283)	1,676	0
84	TN	Q	345000	Power Operated Equipment	(45)	(477)	(3,100)	0	0
85	TN	Q	346190	Remote Control & Instrument	(651)	133	(1,887)	2,546	0
86			347000	Misc Equipment					
87	TN	R	304300	Capitalized Tank Rehabilitation/Painting	5,554	(2,173)	(94,900)	0	0
88	TN	R	304301	Struct & Imp-Treatment	(62,931)	21,540	(170,157)	661,770	0
89	TN	R	320100	Struct & Imp-Treatment-Dpr Paint	(37,675)	(39,531)	(123,785)	89,500	0
90	TN	R	320200	WT Equip Non-Media	(2,332)	708	(36,378)	206,460	0
91	TN	R	330000	Water Trmt Equip Filter Media	(5,645)	(4,819)	0	0	0
92	TN	R	330003	Dist Reservoirs & Standpipes	(8,899)	1,619	(109,594)	205,907	0
93	TN	R	330100	Tank Repainting	(382)	(206)	0	0	0
94	TN	R	330200	Elevated Tanks & Standpipes	24	(8)	(446)	977	0
95									
96	TN	S	331001	Ground Level Tanks	-	-	0	0	0
97									
98				Engineering Studies					
99				Total Recurring Projects					
100				ACQUISITIONS					

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Line #	Business Unit No.	Project Title	Account	Account Description	Average Accum Depreciation	Average Depreciation Deferred Tax (DTA, (DTL))	Actual Retirements	Actual COR Less Salvage	Actual CIAC
101		Total Acquisitions							
102									
103		CENTRALLY SPONSORED PROJECTS							
104	TN T26-0202	Business Transformation 2010 - 2014	340315	Computer Software Special Deprec Rate			0	0	0
105	TN T26-0203	Business Transformation 2010 - 2014	340315	Computer Software Special Deprec Rate			0	0	0
106		Total Centrally Sponsored Projects							
107									
108		INVESTMENT PROJECTS							
109	TN I26-020017	Electrical Motor Efficiency Enhancement (\$2.9)			-	-			
110	TN I26-020027	Construct 1.0MG Tank & 2500-16" ER (\$1.0)			-	-			
111	TN I26-020028	Citico Plant Improvements Phase 1B (\$8.6)	304300	Struct & Imp-Treatment	(67,229)	10,554	0	0	0
112	TN I26-020028		320100	WT Equip Non-Media	(5,943)	(5,893)	0	0	0
	TN I26-020028		346190	Remote Control & Instrument					
113	TN I26-020032	Wastewater Treatm't & Handling Impr (\$15.3)	304200	Struct & Imp-Pumping	(21)	(28)	(14,622)	0	0
114	TN I26-020032		304300	Struct & Imp-Treatment	(5,315)	1,093	(54,346)	0	0
115	TN I26-020032		304400	Struct & Imp-T&D	-	-	0	0	0
116	TN I26-020032		304500	Structures & Improvement - General	(67,406)	(67,159)	0	0	0
117	TN I26-020032		320100	WT Equip Non-Media	(41,081)	(73,320)	(305)	0	0
118	TN I26-020032		330200	Ground Level Tanks	(816)	(409)	0	0	0
119	TN I26-020032		347000	Misc Equipment	(762)	6	0	0	0
120	TN I26-020034	3000'-24" Tennessee River Crossing (\$0.5)			-	-			
121	TN I26-020038	Retire Basin 1	304300	Struct & Imp-WT	-	-	0	0	0
122	TN I26-020039	Basin 2 Tube Settlers			-	-			
123	TN I26-020040	Chlorine Gas Conversion			-	-			
124	TN I26-020041	Electrical - Breakers and Relays (\$0.6)			-	-			
125	TN I26-020042	Pumping Auxiliary Power (\$1.4)			-	-			
126	TN I26-020043	Energy Reduction and Efficiency (\$0.87)			-	-			
127	TN I26-020044	New Raw Water Intake Citico (\$13)			-	-			
128	TN I26-020045	Renovate Filter Bldg 3 (\$0.75)			-	-			
129	TN I26-020046	New Field Services Facility (\$4.5)			-	-			
130	TN I26-050001	Raw Water Intake Improvements Whitwell (\$2)							
131	TN I26-050002	Facility Upgrades at Whitwell WTP (\$0.3) 1/3 in 2018							
	TN I26-050002		346190	Remote Control & Instrument					
132	TN I26-050003	Replace 0.5 MG Storage Tanks at Whitwell (\$.5)							
133	TN I26-050004	Replace 0.1 MG Storage Tank at Whitwell (\$0.3) 1/3 in 18							
134	TN I26-020002	Post Acquisition BD Capex							
135	TN I26-000001	Whitwell Acquisition Capital Investment	331001	Transmission & Distribution Mains	0	0			
136	TN I26-000001		320200	Struct & Imp-Supply	0	0			
137	TN I26-000001		311520	Struct & Imp-Pumping	0	0			
138	TN I26-000001		340200	Struct & Imp-Treatment	0	0			
139									
140	TN (1) Retire Basin 1 project postponed and amounts shifted to			Total DV Included:	\$ (758,441)	\$ (327,054)	\$ (2,461,212)	\$ 3,545,152	\$ (497,284)
141	TN I26-020032 Wastewater Treatment & Handling Project.								
142	TN Spend added and in-serviced in April 2016			Total DV Excluded:	\$ (758,441)	\$ (327,054)	\$ (2,461,212)	\$ 3,545,152	\$ (497,284)
143									
144	TN (2) From prior docket #s and sourced accounts.			Total Surcharge Amt:	\$ (758,441)	\$ (327,054)	\$ (2,461,212)	\$ 3,545,152	\$ (497,284)
145	TN (3) From actual or estimated in-service data provided by the company.								
146	TN (4) Tax depreciation rates utilized by the company.			SEC Total:	\$ (358,395)	\$ (197,908)	\$ (1,148,582)	\$ 722,084	\$ -

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Business Unit Tennessee
Revision Date May 21, 2015
Description TN BP 2016-2020 SCEP

	Business Unit No.	Project Title	Account	Account Description	Average Accum Depreciation	Average Depreciation Deferred Tax (DTA, (DTL))	Actual Retirements	Actual COR Less Salvage	Actual CIAC
Line #									
147									
148				EDI Total:	\$ (11,030)	\$ (6,844)	\$ (882)	\$ 933	\$ (3,845)
149									
150				QIIP Total:	\$ (389,016)	\$ (122,302)	\$ (1,311,748)	\$ 2,822,134	\$ (493,440)

STRATEGIC CAPITAL EXPENDITURE PLAN
PROGRAM

Business Unit	Tennessee
Revision Date	May 21, 2015
Description	TN BP 2016-2020 SCEP

				Year: 2016					
Business Unit	Surcharge Category	Business Unit No.	Project Title	1	2	3	4	5	6
RECURRING PROJECTS									
Tennessee		DV	Projects Funded by Others	\$ 5,000	\$ 5,000	\$ 30,000	\$ 70,000	\$ 150,000	\$ 100,000
Tennessee	EDI	A	Mains - New	-	-	-	10,000	30,000	40,000
Tennessee	QIIP	B	Mains - Replaced / Restored	-	-	50,000	100,000	150,000	175,000
Tennessee	QIIP	C	Mains - Unscheduled	65,000	60,000	90,000	35,000	40,000	70,000
Tennessee	QIIP	D	Mains - Relocated	-	-	30,000	40,000	100,000	50,000
Tennessee	EDI	E	Hydrants, Valves, and Manholes - New	-	2,000	5,000	3,000	5,000	4,000
Tennessee	QIIP	F	Hydrants, Valves, and Manholes - Replaced	-	-	5,000	15,000	20,000	30,000
Tennessee		G	Services and Laterals - New	25,000	30,000	36,000	50,000	56,000	65,000
Tennessee	QIIP	H	Services and Laterals - Replaced	-	10,000	20,000	18,000	25,000	35,000
Tennessee		I	Meters - New	-	10,000	15,000	22,000	22,000	32,000
Tennessee	QIIP	J	Meters - Replaced	50,000	35,000	60,000	55,000	35,000	35,000
Tennessee		K	ITS Equipment and Systems	31,446	45,747	68,246	142,076	65,518	80,102
Tennessee	SEC	L	SCADA Equipment and Systems	-	-	-	-	35,000	100,000
Tennessee	SEC	M	Security Equipment and Systems	-	-	10,000	10,000	20,000	45,000
Tennessee		N	Offices and Operations Centers	-	-	-	40,000	-	-
Tennessee		O	Vehicles	-	-	-	-	83,250	83,250
Tennessee		P	Tools and Equipment	5,000	5,000	5,000	10,000	5,000	10,000
Tennessee	SEC	Q	Process Plant Facilities and Equipment	-	80,000	100,000	150,000	160,000	90,000
Tennessee	QIIP	R	Capitalized Tank Rehabilitation/Painting	-	-	-	-	-	-
Tennessee		S	Engineering Studies	-	-	-	-	-	-
Total Recurring Projects				\$ 176,446	\$ 277,747	\$ 494,246	\$ 700,076	\$ 851,768	\$ 944,352
ACQUISITIONS									
Tennessee			Total Acquisitions	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CENTRALLY SPONSORED PROJECTS									
Tennessee		T26-0202	Business Transformation 2010 - 2014						
Tennessee		T26-0203	Business Transformation 2010 - 2014						
Total Centrally Sponsored Projects				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
INVESTMENT PROJECTS									
			Total	In Service Date					
Tennessee	SEC	I26-020017	Electrical Motor Efficiency Enhancement	2,900,000	7/17/2018				
Tennessee	EDI	I26-020027	Construct 1.0MG Tank & 2500-16" ER	3,500,000	7/31/2019				
Tennessee	QIIP	I26-020028	Citico Plant Improvements Phase 1B	6,649,997	6/1/2016	1,605,850	1,554,821	1,527,550	751,377
Tennessee	SEC	I26-020032	Wastewater Treatm't & Handling Impr	-	10/17/2015				
Tennessee	EDI	I26-020034	3000'-24" Tennessee River Crossing		12/29/2017				
Tennessee	SEC	I26-020038	Retire Basin 1	300,000	11/30/2016				
Tennessee	SEC	I26-020039	Basin 2 Tube Settlers	3,500,000	7/30/2018				
Tennessee	SEC	I26-020040	Chlorine Gas Conversion	4,500,000	11/30/2020				
Tennessee		I26-000002	Post Acquisition BD Capex	120,000					
Total Investment Projects				\$ 1,605,850	\$ 1,554,821	\$ 1,527,550	\$ 751,377	\$ 1,032,489	\$ 82,986
Total Investment and Centrally Sponsored Projects				\$ 1,605,850	\$ 1,554,821	\$ 1,527,550	\$ 751,377	\$ 1,032,489	\$ 82,986
Contributions				\$ (20,000)	\$ (20,000)	\$ (20,000)	\$ (20,000)	\$ (20,000)	\$ (20,000)
Advances				(58,333)	(58,333)	(58,333)	(58,333)	(58,333)	(58,333)
Total Refunds				29,167	29,167	29,167	29,167	29,167	29,167
Gross minus BT				\$ 1,787,296	\$ 1,837,568	\$ 2,051,796	\$ 1,521,454	\$ 2,034,257	\$ 1,127,338
Net minus BT				(49,167)	(49,167)	(49,167)	(49,167)	(49,167)	(49,167)
				\$ 1,738,130	\$ 1,788,401	\$ 2,002,630	\$ 1,472,287	\$ 1,985,090	\$ 1,078,171
Gross plus BT				\$ 1,787,296	\$ 1,837,568	\$ 2,051,796	\$ 1,521,454	\$ 2,034,257	\$ 1,127,338
Net plus BT				(49,167)	(49,167)	(49,167)	(49,167)	(49,167)	(49,167)
				\$ 1,738,130	\$ 1,788,401	\$ 2,002,630	\$ 1,472,287	\$ 1,985,090	\$ 1,078,171

*Dollar amounts from TAWC's Annual Capital Planning Process

STRATEGIC CAPITAL EXPENDITURE PLAN
PROGRAM

Business Unit	Tennessee
Revision Date	May 21, 2015
Description	TN BP 2016-2020 SCEP

												U.S. \$
Business Unit	Surcharge Category	Business Unit No.	Project Title	7	8	9	10	11	12	Total	2016	
RECURRING PROJECTS												
Tennessee		DV	Projects Funded by Others	\$ 55,000	\$ 55,000	\$ 50,000	\$ 60,000	\$ 120,000	\$ 100,000	\$ 800,000		
Tennessee	EDI	A	Mains - New	50,000	40,000	30,000	20,000	-	-	220,000		
Tennessee	QIIP	B	Mains - Replaced / Restored	155,000	130,000	50,000	20,500	-	-	830,500		
Tennessee	QIIP	C	Mains - Unscheduled	70,000	100,000	95,000	95,000	80,000	120,000	920,000		
Tennessee	QIIP	D	Mains - Relocated	30,000	-	-	-	-	-	250,000		
Tennessee	EDI	E	Hydrants, Valves, and Manholes - New	5,000	8,500	8,500	6,000	3,000	-	50,000		
Tennessee	QIIP	F	Hydrants, Valves, and Manholes - Replaced	30,000	60,000	30,000	50,000	20,000	10,000	270,000		
Tennessee		G	Services and Laterals - New	55,000	56,000	46,000	41,000	35,000	26,800	521,800		
Tennessee	QIIP	H	Services and Laterals - Replaced	33,000	23,000	21,000	25,000	20,000	20,000	250,000		
Tennessee		I	Meters - New	31,400	20,000	15,000	15,000	10,000	2,500	194,900		
Tennessee	QIIP	J	Meters - Replaced	75,000	73,930	80,000	120,000	85,000	50,000	753,930		
Tennessee		K	ITS Equipment and Systems	153,588	95,843	102,398	86,528	92,404	74,728	1,038,624		
Tennessee	SEC	L	SCADA Equipment and Systems	125,000	-	-	-	-	-	260,000		
Tennessee	SEC	M	Security Equipment and Systems	10,000	20,000	20,000	25,000	20,000	20,000	200,000		
Tennessee		N	Offices and Operations Centers	-	-	-	-	-	-	40,000		
Tennessee		O	Vehicles	83,250	83,250	-	-	-	-	333,000		
Tennessee		P	Tools and Equipment	5,000	6,000	1,000	4,000	2,000	2,000	60,000		
Tennessee	SEC	Q	Process Plant Facilities and Equipment	60,000	80,000	100,000	100,000	55,000	-	975,000		
Tennessee	QIIP	R	Capitalized Tank Rehabilitation/Painting	-	-	-	-	-	-	-		
Tennessee		S	Engineering Studies	-	-	-	-	-	-	-		
Total Recurring Projects				\$ 971,238	\$ 796,523	\$ 598,898	\$ 608,028	\$ 422,404	\$ 326,028	\$ 7,167,754		
ACQUISITIONS												
Tennessee			Total Acquisitions	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
CENTRALLY SPONSORED PROJECTS												
Tennessee		T26-0202	Business Transformation 2010 - 2014					\$ -	\$ -	\$ -		
Tennessee		T26-0203	Business Transformation 2010 - 2014									
Total Centrally Sponsored Projects				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
INVESTMENT PROJECTS												
Tennessee	SEC	I26-020017	Electrical Motor Efficiency Enhancement							\$ -		
Tennessee	EDI	I26-020027	Construct 1.0MG Tank & 2500-16" ER							-		
Tennessee	QIIP	I26-020028	Citico Plant Improvements Phase 1B	68,477	26,446					6,649,997		
Tennessee	SEC	I26-020032	Wastewater Treatm't & Handling Impr							-		
Tennessee	EDI	I26-020034	3000'-24" Tennessee River Crossing							-		
Tennessee	SEC	I26-020038	Retire Basin 1			50,000	100,000	100,000	50,000	300,000		
Tennessee	SEC	I26-020039	Basin 2 Tube Settlers							-		
Tennessee	SEC	I26-020040	Chlorine Gas Conversion							-		
Tennessee		I26-000002	Post Acquisition BD Capex			20,000	20,000	20,000		60,000		
Total Investment Projects				\$ 68,477	\$ 26,446	\$ 70,000	\$ 120,000	\$ 120,000	\$ 50,000	\$ 7,009,997		
Total Investment and Centrally Sponsored Projects				\$ 68,477	\$ 26,446	\$ 70,000	\$ 120,000	\$ 120,000	\$ 50,000	\$ 7,009,997		
Contributions				\$ (20,000)	\$ (20,000)	\$ (20,000)	\$ (20,000)	\$ (20,000)	\$ (20,000)	\$ (240,000)		
Advances				(58,333)	(58,333)	(58,333)	(58,333)	(58,333)	(58,333)	(700,000)		
Total Refunds				29,167	29,167	29,167	29,167	29,167	29,167	350,000		
Gross minus BT				\$ 1,094,715	\$ 877,969	\$ 718,898	\$ 788,028	\$ 662,404	\$ 476,028	\$ 14,977,751		
				(49,167)	(49,167)	(49,167)	(49,167)	(49,167)	(49,167)	(590,000)		
Net minus BT				\$ 1,045,549	\$ 828,802	\$ 669,731	\$ 738,861	\$ 613,237	\$ 426,861	\$ 14,387,751		
Gross plus BT				\$ 1,094,715	\$ 877,969	\$ 718,898	\$ 788,028	\$ 662,404	\$ 476,028	\$ 14,977,751		
				(49,167)	(49,167)	(49,167)	(49,167)	(49,167)	(49,167)	(590,000)		
Net plus BT				\$ 1,045,549	\$ 828,802	\$ 669,731	\$ 738,861	\$ 613,237	\$ 426,861	\$ 14,387,751		

*Dollar amounts from TAWC's Annual Capital Planning Process

Tennessee American Water Company
Qualified Infrastructure Improvement Program
Economic Development Rider
Safety and Environmental Compliance Rider

**STRATEGIC CAPITAL EXPENDITURE PLAN
PROGRAM**

Business Unit Tennessee
Revision Date June 27, 2014
Description TN BP 2015-2019 SCEP

Line #		Business Unit No.	Project Title	Account	Account Description	Portion to Account	In-Service (Months)	Dep Rate	Prior Year Period 11 Spend	Prior Year Period 12 Spend	2014 SCEP Reforecast
1			RECURRING PROJECTS								
2	TN	DV	Projects Funded by Others	331001	Transmission & Distribution Mains	95.5%	3	1.25%			
3	TN	DV		333000	Services	2.3%	3	1.11%			
4	TN	DV		335000	Hydrants	2.2%	3	2.30%			
5											
6	TN	A	Mains - New	331001	Transmission & Distribution Mains	100.0%	3	1.25%			
7	TN	A		333000	Services		3	1.11%			
8	TN	A		334300	Meter Vaults		3	2.73%			
9	TN	A		335000	Hydrants		3	2.30%			
10											
11	TN	B	Mains - Replaced / Restored	331001	Transmission & Distribution Mains	96.8%	3	1.25%			
12	TN	B		333000	Services	2.9%	3	1.11%			
13	TN	B		335000	Hydrants	0.3%	3	2.30%			
14											
15	TN	C	Mains - Unscheduled	331001	Transmission & Distribution Mains	100.0%	3	1.25%			
16	TN	C		335000	Hydrants		3	2.30%			
17											
18	TN	D	Mains - Relocated	331001	Transmission & Distribution Mains	96.2%	3	1.25%			
19	TN	D		333000	Services	0.5%	3	1.11%			
20	TN	D		335000	Hydrants	3.3%	3	2.30%			
21											
22	TN	E	Hydrants, Valves, and Manholes - New	331001	Transmission & Distribution Mains	58.7%	1	1.25%			
23	TN	E		335000	Hydrants	41.3%	1	2.30%			
24											
25	TN	F	Hydrants, Valves, and Manholes - Replaced	331001	Transmission & Distribution Mains	64.1%	1	1.25%			
26	TN	F		335000	Hydrants	35.9%	1	2.30%			
27											
28	TN	G	Services and Laterals - New	333000	Services	100.0%	1	1.11%			
29											
30	TN	H	Services and Laterals - Replaced	333000	Services	100.0%	1	1.11%			
31	TN	H		334100	Meters			7.47%			
32											
33	TN	I	Meters - New	334100	Meters	64.2%	1	7.47%			
34	TN	I		334200	Meter Installations	35.8%	1	2.73%			
35											
36	TN	J	Meters - Replaced	334100	Meters	72.5%	1	7.47%			
37	TN	J		334200	Meter Installations	27.5%	1	2.73%			
38											
39	TN	K	ITS Equipment and Systems	340200	Computer & Peripheral Equipment	100.0%	1	2.19%			
40											
41	TN	L	SCADA Equipment and Systems	320100	WT Equip Non-Media		1	1.09%			
42	TN	L		340200	Computer & Peripheral Equipment	100.0%	1	2.19%			
43	TN	L		346100	Comm Equip Non-Telephone		1	4.21%			
44	TN	L		346190	Remote Control & Instrument		1	4.21%			
45											
46	TN	M	Security Equipment and Systems	304100	Struct & Imp-Supply						
47	TN	M		304200	Struct & Imp-Pumping						
48	TN	M		304300	Structures & Improvement - Treatment			4.11%			

Tennessee American Water Company
Qualified Infrastructure Improvement Program
Economic Development Rider
Safety and Environmental Compliance Rider

**STRATEGIC CAPITAL EXPENDITURE PLAN
PROGRAM**

Business Unit Tennessee
Revision Date June 27, 2014
Description TN BP 2015-2019 SCEP

Line #	Business Unit No.	Project Title	Account	Account Description	Portion to Account	In-Service (Months)	Dep Rate	Prior Year Period 11 Spend	Prior Year Period 12 Spend	2014 SCEP Reforecast
49	TN	M	304400	Struct & Imp-Treatment-T&D			2.13%			
50	TN	M	304500	Structures & Improvement - General	100.0%	1	1.13%			
51	TN	M	340200	Computer & Peripheral Equipment						
52										
53	TN	N	304500	Structures & Improvement - General	100.0%	1	1.13%			
54										
55	TN	O	341100	Transportation Equip Lt Duty Trucks	19.3%	1	16.00%			
56	TN	O	341200	Transportation Equip Hvy Duty Trucks	63.6%	1	16.62%			
57	TN	O	341300	Transportation Equip Autos	17.1%	1	11.38%			
58										
59	TN	P	343000	Tools, Shop, Garage Equipment	100.0%	1	6.89%			
60										
61	TN	Q	304100	Struct & Imp-Supply			1.98%			
62	TN	Q	304200	Struct & Imp-Pumping			1.98%			
63	TN	Q	304300	Struct & Imp-Treatment			4.11%			
64	TN	Q	304400	Struct & Imp-Treatment-T&D			2.13%			
65	TN	Q	304500	Structures & Improvement - General			1.13%			
66	TN	Q	304600	Struc & Imp-Offices			1.13%			
67	TN	Q	304700	Struct & Imp-Store,Shop,Garage			0.73%			
68	TN	Q	306000	Lake, River & Other Intakes			0.83%			
69	TN	Q	309000	Supply Mains			1.87%			
70	TN	Q	310000	Power Generation Equip			12.33%			
71	TN	Q	311200	Pump Eqp Electric			2.45%			
72	TN	Q	311520	Pumping Equipment SOS	21.0%	1	1.83%			
73	TN	Q	320100	WT Equip Non-Media			1.09%			
74	TN	Q	320200	Water Trmt Equip Filter Media	57.6%	1	33.69%			
75	TN	Q	330000	Dist Reservoirs & Standpipes			2.08%			
76	TN	Q	331001	Transmission & Distribution Mains			1.25%			
77	TN	Q	334100	Meters			7.47%			
78	TN	Q	340200	Computer & Peripheral Equipment	21.3%	1	2.19%			
79	TN	Q	340300	Computer Software			1.83%			
80	TN	Q	340330	Computer Software Other			1.83%			
81	TN	Q	343000	Tools, Shop, Garage Equipment			6.89%			
82	TN	Q	344000	Laboratory Equipment			1.01%			
83	TN	Q	345000	Power Operated Equipment			7.03%			
84	TN	Q	346190	Remote Control & Instrument			4.21%			
85	TN	Q	347000	Misc Equipment			6.33%			
86										
87	TN	R	304300	Struct & Imp-Treatment		1	4.11%			
88	TN	R	304301	Struct & Imp-Treatment-Dpr Paint			12.06%			
89	TN	R	320100	WT Equip Non-Media		1	1.09%			
90	TN	R	320200	Water Trmt Equip Filter Media			33.69%			
91	TN	R	330000	Dist Reservoirs & Standpipes		1	2.08%			
92	TN	R	330003	Tank Repainting	100.0%	1	11.08%			
93	TN	R	330100	Elevated Tanks & Standpipes			2.74%			
94	TN	R	330200	Ground Level Tanks		1	2.74%			
95										
96	TN	S	331001	Transmission & Distribution Mains	100.0%	1	1.25%			

**Tennessee American Water Company
Qualified Infrastructure Improvement Program
Economic Development Rider
Safety and Environmental Compliance Rider**

STRATEGIC CAPITAL EXPENDITURE PLAN PROGRAM

Business Unit	Tennessee
Revision Date	June 27, 2014
Description	TN BP 2015-2019 SCEP

[illegible]

**Tennessee American Water Company
Qualified Infrastructure Improvement Program
Economic Development Rider
Safety and Environmental Compliance Rider**

STRATEGIC CAPITAL EXPENDITURE PLAN PROGRAM

Business Unit	Tennessee
Revision Date	June 27, 2014
Description	TN BP 2015-2019 SCEP

Line #	Business Unit No.	Project Title	Account	Account Description	Portion to Account	In-Service (Months)	Dep Rate	Prior Year Period 11 Spend	Prior Year Period 12 Spend	2014 SCEP Reforecast
141										
142				Total DV Excluded:						
143										
144				Total Surcharge Amt:						
145										
146				SEC Total:						
147										
148				EDI Total:						
149										
150				QIIP Total:						
151										
152				*Hard-coded amounts from prior reconciliation filings.						
153				**Zero amounts associated with utility accounts not utilized until 2016.						

Tennessee American Water Company
Qualified Infrastructure Improvement Program
Economic Development Rider
Safety and Environmental Compliance Rider

**STRATEGIC CAPITAL EXPENDITURE PLAN
PROGRAM**

Business Unit Tennessee
Revision Date June 27, 2014
Description TN BP 2015-2019 SCEP

						Cumulative Balance of In-Serviced Plant, from 2015 Capex, by Period						
Line #	Business Unit No.		Project Title	Account	Account Description	Prior 2014 SCEP	1	2	3	4	5	6
1			RECURRING PROJECTS									
2	TN	DV	Projects Funded by Others	331001	Transmission & Distribution Mains	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
3	TN	DV		333000	Services	-	-	-	-	-	-	-
4	TN	DV		335000	Hydrants	-	-	-	-	-	-	-
5												
6	TN	A	Mains - New	331001	Transmission & Distribution Mains	-	-	101,697	101,364	101,517	369,604	358,172
7	TN	A		333000	Services	-	-	3,181	3,171	3,176	3,176	3,176
8	TN	A		334300	Meter Vaults	-	-	-	-	-	-	-
9	TN	A		335000	Hydrants	-	-	-	-	-	11,928	11,419
10												
11	TN	B	Mains - Replaced / Restored	331001	Transmission & Distribution Mains	804,983	810,407	797,505	796,837	950,401	947,871	939,691
12	TN	B		333000	Services	22,175	23,065	23,885	23,846	32,496	37,565	38,397
13	TN	B		335000	Hydrants	27,283	28,052	27,248	27,233	29,314	29,549	29,468
14												
15	TN	C	Mains - Unscheduled	331001	Transmission & Distribution Mains	979,105	1,059,653	1,082,793	1,188,630	1,274,003	1,315,708	1,367,668
16	TN	C		335000	Hydrants	-	-	-	-	-	-	-
17												
18	TN	D	Mains - Relocated	331001	Transmission & Distribution Mains	69,181	73,505	73,520	73,520	73,520	73,520	73,520
19	TN	D		333000	Services	288	288	288	288	288	288	288
20	TN	D		335000	Hydrants	-	-	-	-	-	-	-
21												
22	TN	E	Hydrants, Valves, and Manholes - New	331001	Transmission & Distribution Mains	23,936	23,936	23,936	23,936	23,936	23,936	23,936
23	TN	E		335000	Hydrants	38,569	41,634	44,715	46,722	63,708	58,851	64,674
24												
25	TN	F	Hydrants, Valves, and Manholes - Replaced	331001	Transmission & Distribution Mains	21,480	25,924	26,024	26,223	26,218	26,020	26,023
26	TN	F		335000	Hydrants	219,103	216,061	239,006	241,498	301,190	306,916	318,572
27												
28	TN	G	Services and Laterals - New	333000	Services	-	-	-	-	-	-	-
29												
30	TN	H	Services and Laterals - Replaced	333000	Services	442,503	455,896	514,421	574,112	598,284	637,474	652,431
31	TN	H		334100	Meters	-	-	-	-	-	-	-
32												
33	TN	I	Meters - New	334100	Meters	-	-	-	-	-	-	-
34	TN	I		334200	Meter Installations	-	-	-	-	-	-	-
35												
36	TN	J	Meters - Replaced	334100	Meters	43,095	43,095	43,095	43,095	43,095	451,527	451,527
37	TN	J		334200	Meter Installations	618,384	675,227	741,347	842,155	858,073	939,320	978,090
38												
39	TN	K	ITS Equipment and Systems	340200	Computer & Peripheral Equipment	-	-	-	-	-	-	-
40												
41	TN	L	SCADA Equipment and Systems	320100	WT Equip Non-Media	268,337	268,337	268,337	268,337	268,337	268,337	268,337
42	TN	L		340200	Computer & Peripheral Equipment	17,205	17,205	17,205	17,205	(0)	(0)	(0)
43	TN	L		346100	Comm Equip Non-Telephone	57,328	57,328	57,328	60,419	79,146	49,598	41,119
44	TN	L		346190	Remote Control & Instrument	144,865	144,865	144,865	158,167	148,817	194,073	187,052
45												
46	TN	M	Security Equipment and Systems	304100	Struct & Imp-Supply	-	-	-	-	-	-	-
47	TN	M		304200	Struct & Imp-Pumping	-	-	-	-	-	-	-
48	TN	M		304300	Structures & Improvement - Treatment	-	-	-	-	-	-	-

Tennessee American Water Company
Qualified Infrastructure Improvement Program
Economic Development Rider
Safety and Environmental Compliance Rider

STRATEGIC CAPITAL EXPENDITURE PLAN
PROGRAM

Business Unit Tennessee
Revision Date June 27, 2014
Description TN BP 2015-2019 SCEP

						Cumulative Balance of In-Serviced Plant, from 2015 Capex, by Period					
Line #	Business Unit No.	Project Title	Account	Account Description	Prior 2014 SCEP	1	2	3	4	5	6
49	TN	M	304400	Struct & Imp-Treatment-T&D	-	-	-	-	-	-	-
50	TN	M	304500	Structures & Improvement - General	6,193	6,193	6,193	6,193	6,193	6,193	6,193
51	TN	M	340200	Computer & Peripheral Equipment							
52											
53	TN	N	304500	Structures & Improvement - General	-	-	-	-	-	-	-
54											
55	TN	O	341100	Transportation Equip Lt Duty Trucks	-	-	-	-	-	-	-
56	TN	O	341200	Transportation Equip Hvy Duty Trucks	-	-	-	-	-	-	-
57	TN	O	341300	Transportation Equip Autos	-	-	-	-	-	-	-
58											
59	TN	P	343000	Tools, Shop, Garage Equipment	-	-	-	-	-	-	-
60											
61	TN	Q	304100	Struct & Imp-Supply	132,235	126,785	122,766	122,766	122,766	149,621	149,621
62	TN	Q	304200	Struct & Imp-Pumping	-	-	-	-	-	-	-
63	TN	Q	304300	Struct & Imp-Treatment	-	-	-	-	-	-	-
64	TN	Q	304400	Struct & Imp-Treatment-T&D	-	-	-	-	-	-	-
65	TN	Q	304500	Structures & Improvement - General	-	-	-	-	-	-	-
66	TN	Q	304600	Struc & Imp-Offices							
67	TN	Q	304700	Struct & Imp-Store,Shop,Garage	-	-	-	-	-	-	-
68	TN	Q	306000	Lake, River & Other Intakes	-	-	-	-	-	-	-
69	TN	Q	309000	Supply Mains	9,862	9,862	9,862	9,862	9,862	9,862	9,862
70	TN	Q	310000	Power Generation Equip	25,066	25,066	25,066	25,066	25,066	25,066	25,066
71	TN	Q	311200	Pump Eqp Electric	-	-	-	-	1,029	1,029	6,338
72	TN	Q	311520	Pumping Equipment SOS	115,840	115,840	115,840	115,840	243,337	241,008	241,008
73	TN	Q	320100	WT Equip Non-Media	376,215	316,082	320,309	321,570	1,074,769	1,109,200	1,108,159
74	TN	Q	320200	Water Trmt Equip Filter Media	-	-	-	1,247,958	199,657	199,657	199,657
75	TN	Q	330000	Dist Reservoirs & Standpipes	-	-	-	-	-	-	-
76	TN	Q	331001	Transmission & Distribution Mains	-	-	-	-	-	-	-
77	TN	Q	334100	Meters	-	-	-	-	-	-	-
78	TN	Q	340200	Computer & Peripheral Equipment	-	-	-	-	-	-	-
79	TN	Q	340300	Computer Software	-	-	-	-	-	-	-
80	TN	Q	340330	Computer Software Other	-	-	-	-	-	-	-
81	TN	Q	343000	Tools, Shop, Garage Equipment	-	-	-	-	-	-	-
82	TN	Q	344000	Laboratory Equipment	-	-	-	-	-	-	-
83	TN	Q	345000	Power Operated Equipment	-	-	-	-	41,789	42,180	40,898
84	TN	Q	346190	Remote Control & Instrument	-	-	-	-	-	-	-
85	TN	Q	347000	Misc Equipment	-	7,780	7,793	7,793	7,793	7,793	7,793
86											
87	TN	R	304300	Struct & Imp-Treatment	-	-	-	-	-	-	-
88	TN	R	304301	Struct & Imp-Treatment-Dpr Paint	-	-	-	-	-	-	-
89	TN	R	320100	WT Equip Non-Media	2,337,229	2,310,998	2,310,655	2,310,655	2,310,655	2,310,655	2,310,655
90	TN	R	320200	Water Trmt Equip Filter Media	-	-	-	-	-	-	-
91	TN	R	330000	Dist Reservoirs & Standpipes	22,832	22,832	22,832	23,045	23,045	23,045	23,045
92	TN	R	330003	Tank Repainting	0	(13,000)	(13,000)	(13,000)	46,367	46,367	46,367
93	TN	R	330100	Elevated Tanks & Standpipes	-	-	-	-	-	-	-
94	TN	R	330200	Ground Level Tanks	-	-	-	-	-	-	-
95											
96	TN	S	331001	Transmission & Distribution Mains	-	-	-	-	-	-	-

Tennessee American Water Company
Qualified Infrastructure Improvement Program
Economic Development Rider
Safety and Environmental Compliance Rider

STRATEGIC CAPITAL EXPENDITURE PLAN
PROGRAM

Business Unit Tennessee
Revision Date June 27, 2014
Description TN BP 2015-2019 SCEP

						Cumulative Balance of In-Serviced Plant, from 2015 Capex, by Period					
Line #	Business Unit No.	Project Title	Account	Account Description	Prior 2014 SCEP	1	2	3	4	5	6
97		Total Recurring Projects									
98											
99		ACQUISITIONS									
100											
101		Total Acquisitions									
102											
103		CENTRALLY SPONSORED PROJECTS									
104	TN T26-0202	Business Transformation 2010 - 2014	340315	Computer Software Special Deprec Rate	-	-	-	-	-	-	-
105	TN T26-0203	Business Transformation 2010 - 2014	340315	Computer Software Special Deprec Rate	-	-	-	-	-	-	-
106		Total Centrally Sponsored Projects									
107											
108		INVESTMENT PROJECTS									
109	TN I26-020017	Electrical Motor Efficiency Enhancement (\$2.9)			-	-	-	-	-	-	-
110	TN I26-020027	Construct 1.0MG Tank & 2500-16" ER (\$1.0)			-	-	-	-	-	-	-
111	TN I26-020028	Citico Plant Improvements Phase 1B (\$8.6)	304300	Struct & Imp-Treatment	-	-	-	-	-	-	-
112	TN I26-020028		320100	WT Equip Non-Media	-	-	-	-	-	-	-
	TN I26-020028		346190	Remote Control & Instrument							
113	TN I26-020032	Wastewater Treatm't & Handling Impr (\$15.3)	304200	Struct & Imp-Pumping	-	-	-	-	-	-	-
114	TN I26-020032		304300	Struct & Imp-Treatment	-	-	-	-	-	-	-
115	TN I26-020032		304400	Struct & Imp-T&D	-	-	-	-	-	-	-
116	TN I26-020032		304500	Structures & Improvement - General	-	-	-	-	-	-	-
117	TN I26-020032		320100	WT Equip Non-Media	-	-	-	-	-	-	-
118	TN I26-020032		330200	Ground Level Tanks	-	-	-	-	-	-	-
119	TN I26-020032		347000	Misc Equipment	-	-	-	-	-	-	-
120	TN I26-020034	3000'-24" Tennessee River Crossing (\$0.5)			-	-	-	-	-	-	-
121	TN I26-020038	Retire Basin 1			-	-	-	-	-	-	-
122	TN I26-020039	Basin 2 Tube Settlers			-	-	-	-	-	-	-
123	TN I26-020040	Chlorine Gas Conversion			-	-	-	-	-	-	-
124	TN I26-020041	Electrical - Breakers and Relays (\$0.6)									
125	TN I26-020042	Pumping Auxiliary Power (\$1.4)									
126	TN I26-020043	Energy Reduction and Efficiency (\$0.87)									
127	TN I26-020044	New Raw Water Intake Citico (\$13)									
128	TN I26-020045	Renovate Filter Bldg 3 (\$0.75)									
129	TN I26-020046	New Field Services Facility (\$4.5)									
130	TN I26-050001	Raw Water Intake Improvements Whitwell (\$2)									
131	TN I26-050002	Facility Upgrades at Whitwell WTP (\$0.3) 1/3 in 2018									
	TN I26-050002		346190	Remote Control & Instrument							
132	TN I26-050003	Replace 0.5 MG Storage Tanks at Whitwell (\$5)									
133	TN I26-050004	Replace 0.1 MG Storage Tank at Whitwell (\$0.3) 1/3 in 18									
134	TN I26-020002	Post Acquisition BD Capex			-	-	-	-	-	-	-
135	TN I26-000001	Whitwell Acquisition Capital Investment	331001	Transmission & Distribution Mains	-	-	-	-	-	-	-
136	TN I26-000001		320200	Struct & Imp-Supply	-	-	-	-	-	-	-
137	TN I26-000001		311520	Struct & Imp-Pumping	-	-	-	-	-	-	-
138	TN I26-000001		340200	Struct & Imp-Treatment	-	-	-	-	-	-	-
139											
140					\$	6,823,293					

**Tennessee American Water Company
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STRATEGIC CAPITAL EXPENDITURE PLAN PROGRAM

Business Unit	Tennessee
Revision Date	June 27, 2014
Description	TN BP 2015-2019 SCEP

					Cumulative Balance of In-Serviced Plant, from 2015 Capex, by Period						
Line #	Business Unit No.	Project Title	Account	Account Description	Prior 2014 SCEP	1	2	3	4	5	6
141											
142		Total DV Excluded:			\$ 6,823,293						
143											
144		Total Surcharge Amt:			\$ 6,823,293						
145											
146		SEC Total:			\$ 1,153,147						
147											
148		EDI Total:			\$ 62,504						
149											
150		QIIP Total:			\$ 5,607,642						
151											
152		*Hard-coded amounts from prior reconciliation filings.									
153		**Zero amounts associated with utility accounts not utilized until 2016.									

Tennessee American Water Company
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STRATEGIC CAPITAL EXPENDITURE PLAN
PROGRAM

Business Unit Tennessee
Revision Date June 27, 2014
Description TN BP 2015-2019 SCEP

						Cumulative Balance of In-Serviced Plant, from 2015 Capex, by Period					
Line #		Business Unit No.	Project Title	Account	Account Description	7	8	9	10	11	12
1			RECURRING PROJECTS								
2	TN	DV	Projects Funded by Others	331001	Transmission & Distribution Mains	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
3	TN	DV		333000	Services	-	-	-	-	-	-
4	TN	DV		335000	Hydrants	-	-	-	-	-	-
5											
6	TN	A	Mains - New	331001	Transmission & Distribution Mains	391,907	389,013	389,013	389,013	389,013	456,264
7	TN	A		333000	Services	3,176	3,176	3,176	3,176	3,176	3,176
8	TN	A		334300	Meter Vaults	-	-	-	-	-	-
9	TN	A		335000	Hydrants	11,446	11,329	11,329	11,329	11,329	11,329
10											
11	TN	B	Mains - Replaced / Restored	331001	Transmission & Distribution Mains	1,093,488	1,260,830	1,260,639	1,259,689	1,455,342	1,796,068
12	TN	B		333000	Services	115,126	135,936	135,911	135,754	161,165	171,623
13	TN	B		335000	Hydrants	34,932	36,551	36,562	36,562	39,254	25,909
14											
15	TN	C	Mains - Unscheduled	331001	Transmission & Distribution Mains	1,436,238	1,504,159	1,585,670	1,666,724	1,770,653	1,880,706
16	TN	C		335000	Hydrants	-	-	-	-	-	-
17											
18	TN	D	Mains - Relocated	331001	Transmission & Distribution Mains	73,520	460,633	462,598	463,152	462,136	1,415,151
19	TN	D		333000	Services	288	1,783	1,783	1,784	1,784	1,328
20	TN	D		335000	Hydrants	-	-	-	-	-	7,286
21											
22	TN	E	Hydrants, Valves, and Manholes - New	331001	Transmission & Distribution Mains	23,936	23,936	23,936	23,936	23,964	108,049
23	TN	E		335000	Hydrants	72,410	83,542	82,119	83,033	101,381	30,189
24											
25	TN	F	Hydrants, Valves, and Manholes - Replaced	331001	Transmission & Distribution Mains	26,023	26,023	26,023	26,023	26,023	121,273
26	TN	F		335000	Hydrants	337,300	372,410	417,597	432,059	466,094	410,751
27											
28	TN	G	Services and Laterals - New	333000	Services	-	-	-	-	-	-
29											
30	TN	H	Services and Laterals - Replaced	333000	Services	683,098	734,085	758,700	792,672	845,703	871,492
31	TN	H		334100	Meters	-	-	-	-	-	-
32											
33	TN	I	Meters - New	334100	Meters	-	-	-	-	-	-
34	TN	I		334200	Meter Installations	-	-	-	-	-	-
35											
36	TN	J	Meters - Replaced	334100	Meters	451,527	451,527	451,527	512,529	559,538	278,825
37	TN	J		334200	Meter Installations	1,051,715	1,135,189	1,173,957	1,200,900	1,218,257	1,492,760
38											
39	TN	K	ITS Equipment and Systems	340200	Computer & Peripheral Equipment	-	-	-	-	-	-
40											
41	TN	L	SCADA Equipment and Systems	320100	WT Equip Non-Media	268,337	268,337	268,337	268,337	268,337	268,337
42	TN	L		340200	Computer & Peripheral Equipment	(0)	(0)	(0)	(0)	(0)	(0)
43	TN	L		346100	Comm Equip Non-Telephone	41,119	41,119	41,119	41,119	41,119	41,119
44	TN	L		346190	Remote Control & Instrument	186,806	186,806	186,806	217,236	218,635	436,754
45											
46	TN	M	Security Equipment and Systems	304100	Struct & Imp-Supply						
47	TN	M		304200	Struct & Imp-Pumping						
48	TN	M		304300	Structures & Improvement - Treatment	-	-	-	-	-	131,615

Tennessee American Water Company
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**STRATEGIC CAPITAL EXPENDITURE PLAN
PROGRAM**

Business Unit Tennessee
Revision Date June 27, 2014
Description TN BP 2015-2019 SCEP

					Cumulative Balance of In-Serviced Plant, from 2015 Capex, by Period						
Business Unit No.			Project Title	Account	Account Description	7	8	9	10	11	12
Line #											
49	TN	M		304400	Struct & Imp-Treatment-T&D	-	-	-	-	-	-
50	TN	M		304500	Structures & Improvement - General	6,193	6,193	6,193	6,193	6,193	6,193
51	TN	M		340200	Computer & Peripheral Equipment						
52											
53	TN	N	Offices and Operations Centers	304500	Structures & Improvement - General	-	-	-	-	-	-
54											
55	TN	O	Vehicles	341100	Transportation Equip Lt Duty Trucks	-	-	-	-	-	-
56	TN	O		341200	Transportation Equip Hvy Duty Trucks	-	-	-	-	-	-
57	TN	O		341300	Transportation Equip Autos	-	-	-	-	-	-
58											
59	TN	P	Tools and Equipment	343000	Tools, Shop, Garage Equipment	-	-	-	-	-	-
60											
61	TN	Q	Process Plant Facilities and Equipment	304100	Struct & Imp-Supply	149,621	149,621	149,621	149,621	122,766	122,766
62	TN	Q		304200	Struct & Imp-Pumping	-	-	-	-	-	-
63	TN	Q		304300	Struct & Imp-Treatment	-	-	-	7,056	7,125	7,125
64	TN	Q		304400	Struct & Imp-Treatment-T&D	-	-	-	-	-	25,654
65	TN	Q		304500	Structures & Improvement - General	-	-	57,134	57,134	57,134	27,713
66	TN	Q		304600	Struc & Imp-Offices						
67	TN	Q		304700	Struct & Imp-Store,Shop,Garage	-	-	-	-	-	-
68	TN	Q		306000	Lake, River & Other Intakes	-	-	-	-	-	-
69	TN	Q		309000	Supply Mains	9,862	9,862	9,862	9,862	9,862	9,862
70	TN	Q		310000	Power Generation Equip	25,066	25,066	25,066	25,066	25,066	25,066
71	TN	Q		311200	Pump Eqp Electric	6,338	6,338	6,338	10,549	10,549	18,849
72	TN	Q		311520	Pumping Equipment SOS	257,653	257,698	271,000	312,891	312,903	465,043
73	TN	Q		320100	WT Equip Non-Media	1,458,473	1,833,354	1,818,300	1,823,434	1,823,434	1,806,356
74	TN	Q		320200	Water Trmt Equip Filter Media	415,860	655,303	645,276	645,276	645,276	693,894
75	TN	Q		330000	Dist Reservoirs & Standpipes	-	-	-	-	-	-
76	TN	Q		331001	Transmission & Distribution Mains	-	-	-	-	-	-
77	TN	Q		334100	Meters	-	-	-	-	-	-
78	TN	Q		340200	Computer & Peripheral Equipment	-	-	-	-	-	-
79	TN	Q		340300	Computer Software						
80	TN	Q		340330	Computer Software Other						
81	TN	Q		343000	Tools, Shop, Garage Equipment	-	-	-	-	-	-
82	TN	Q		344000	Laboratory Equipment	-	-	-	-	-	-
83	TN	Q		345000	Power Operated Equipment	41,420	41,485	41,485	41,485	41,485	41,485
84	TN	Q		346190	Remote Control & Instrument	-	-	-	-	-	3,502
85	TN	Q		347000	Misc Equipment	7,793	7,793	7,793	7,793	7,793	7,793
86											
87	TN	R	Capitalized Tank Rehabilitation/Painting	304300	Struct & Imp-Treatment	-	-	-	-	-	(778)
88	TN	R		304301	Struct & Imp-Treatment-Dpr Paint	-	-	-	-	-	-
89	TN	R		320100	WT Equip Non-Media	2,310,655	2,310,655	2,310,655	2,310,655	2,310,655	2,310,463
90	TN	R		320200	Water Trmt Equip Filter Media	-	-	-	-	-	-
91	TN	R		330000	Dist Reservoirs & Standpipes	23,045	23,045	23,045	23,045	23,045	567,580
92	TN	R		330003	Tank Repainting	46,367	46,367	46,367	46,367	46,367	46,367
93	TN	R		330100	Elevated Tanks & Standpipes	-	-	-	-	-	-
94	TN	R		330200	Ground Level Tanks	-	-	-	-	-	-
95											
96	TN	S	Engineering Studies	331001	Transmission & Distribution Mains	-	-	-	-	-	-

**Tennessee American Water Company
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STRATEGIC CAPITAL EXPENDITURE PLAN PROGRAM

Business Unit	Tennessee
Revision Date	June 27, 2014
Description	TN BP 2015-2019 SCEP

					Cumulative Balance of In-Serviced Plant, from 2015 Capex, by Period						
	Business Unit		Project Title	Account	Account Description	7	8	9	10	11	12
Line #	No.										
97			Total Recurring Projects								
98											
99			ACQUISITIONS								
100											
101			Total Acquisitions								
102											
103			CENTRALLY SPONSORED PROJECTS								
104	TN	T26-0202	Business Transformation 2010 - 2014	340315	Computer Software Special Deprec Rate	-	-	-	-	-	-
105	TN	T26-0203	Business Transformation 2010 - 2014	340315	Computer Software Special Deprec Rate	-	-	-	-	-	-
106			Total Centrally Sponsored Projects								
107											
108			INVESTMENT PROJECTS								
109	TN	I26-020017	Electrical Motor Efficiency Enhancement (\$2.9)			-	-	-	-	-	-
110	TN	I26-020027	Construct 1.0MG Tank & 2500-16" ER (\$1.0)			-	-	-	-	-	-
111	TN	I26-020028	Citico Plant Improvements Phase 1B (\$8.6)	304300	Struct & Imp-Treatment	-	-	-	-	-	-
112	TN	I26-020028		320100	WT Equip Non-Media	-	-	-	-	-	-
	TN	I26-020028		346190	Remote Control & Instrument						
113	TN	I26-020032	Wastewater Treatm't & Handling Impr (\$15.3)	304200	Struct & Imp-Pumping	-	-	-	-	-	-
114	TN	I26-020032		304300	Struct & Imp-Treatment	-	-	-	-	-	-
115	TN	I26-020032		304400	Struct & Imp-T&D	-	-	-	-	-	-
116	TN	I26-020032		304500	Structures & Improvement - General	-	-	-		8,731,499	9,374,098
117	TN	I26-020032		320100	WT Equip Non-Media	-	-	-	-	5,219,728	5,603,877
118	TN	I26-020032		330200	Ground Level Tanks	-	-	-	-	43,570	46,777
119	TN	I26-020032		347000	Misc Equipment	-	-	-	-	17,428	18,711
120	TN	I26-020034	3000'-24" Tennessee River Crossing (\$0.5)			-	-	-	-	-	-
121	TN	I26-020038	Retire Basin 1			-	-	-	-	-	-
122	TN	I26-020039	Basin 2 Tube Settlers			-	-	-	-	-	-
123	TN	I26-020040	Chlorine Gas Conversion			-	-	-	-	-	-
124	TN	I26-020041	Electrical - Breakers and Relays (\$0.6)								
125	TN	I26-020042	Pumping Auxiliary Power (\$1.4)								
126	TN	I26-020043	Energy Reduction and Efficiency (\$0.87)								
127	TN	I26-020044	New Raw Water Intake Citico (\$13)								
128	TN	I26-020045	Renovate Filter Bldg 3 (\$0.75)								
129	TN	I26-020046	New Field Services Facility (\$4.5)								
130	TN	I26-050001	Raw Water Intake Improvements Whitwell (\$2)								
131	TN	I26-050002	Facility Upgrades at Whitwell WTP (\$0.3) 1/3 in 2018								
	TN	I26-050002		346190	Remote Control & Instrument						
132	TN	I26-050003	Replace 0.5 MG Storage Tanks at Whitwell (\$0.5)								
133	TN	I26-050004	Replace 0.1 MG Storage Tank at Whitwell (\$0.3) 1/3 in 18								
134	TN	I26-020002	Post Acquisition BD Capex			-	-	-	-	-	-
135	TN	I26-000001	Whitwell Acquisition Capital Investment	331001	Transmission & Distribution Mains	-	-	-	-	-	-
136	TN	I26-000001		320200	Struct & Imp-Supply	-	-	-	-	-	-
137	TN	I26-000001		311520	Struct & Imp-Pumping	-	-	-	-	-	-
138	TN	I26-000001		340200	Struct & Imp-Treatment	-	-	-	-	-	-
139											
140											
										</	

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Economic Development Rider
Safety and Environmental Compliance Rider**

STRATEGIC CAPITAL EXPENDITURE PLAN PROGRAM

Business Unit	Tennessee
Revision Date	June 27, 2014
Description	TN BP 2015-2019 SCEP

					Cumulative Balance of In-Serviced Plant, from 2015 Capex, by Period					
Line #	Business Unit No.	Project Title	Account	Account Description	7	8	9	10	11	12
141										
142				Total DV Excluded:						\$ 31,188,399
143										
144				Total Surcharge Amt:						\$ 31,188,399
145										
146				SEC Total:						\$ 19,182,588
147										
148				EDI Total:						\$ 609,007
149										
150				QIIP Total:						\$ 11,396,805
151										
152				*Hard-coded amounts from prior reconciliation filings.						
153				**Zero amounts associated with utility accounts not utilized until 2016.						

Tennessee American Water Company
Qualified Infrastructure Improvement Program
Economic Development Rider
Safety and Environmental Compliance Rider

STRATEGIC CAPITAL EXPENDITURE PLAN
PROGRAM

Business Unit Tennessee
Revision Date June 27, 2014
Description TN BP 2015-2019 SCEP

2015

Line #	Business Unit No.	Project Title	Account	Account Description	Surcharge	Average Plant in Service	Average Retires (Replacement Projects Only)	Average CIAC	Depreciation Expense	Cost of Removal Less Salvage
1		RECURRING PROJECTS								
2	TN	DV	331001	Transmission & Distribution Mains		\$ -	\$ -	\$ -	\$ -	\$ -
3	TN	DV	333000	Services		-	-	-	-	-
4	TN	DV	335000	Hydrants		-	-	-	-	-
5										
6	TN	A	331001	Transmission & Distribution Mains	EDI	264,352	-	-	3,304	-
7	TN	A	333000	Services	EDI	2,687	-	-	30	-
8	TN	A	334300	Meter Vaults	EDI	0	0	-	0	0
9	TN	A	335000	Hydrants	EDI	7,034	-	-	162	-
10										
11	TN	B	331001	Transmission & Distribution Mains	QIIP	1,090,288	(48,098)	-	13,027	6,301
12	TN	B	333000	Services	QIIP	81,303	-	-	902	13,971
13	TN	B	335000	Hydrants	QIIP	31,378	-	-	722	-
14										
15	TN	C	331001	Transmission & Distribution Mains	QIIP	1,393,209	(9,498)	-	17,296	29,710
16	TN	C	335000	Hydrants	QIIP	0	0	-	0	0
17										
18	TN	D	331001	Transmission & Distribution Mains	QIIP	295,960	(45,644)	-	3,129	12,522
19	TN	D	333000	Services	QIIP	828	-	-	9	7,738
20	TN	D	335000	Hydrants	QIIP	560	(59,094)	-	(1,346)	-
21										
22	TN	E	331001	Transmission & Distribution Mains	EDI	30,408	-	-	380	-
23	TN	E	335000	Hydrants	EDI	62,427	(611)	-	1,422	574
24										
25	TN	F	331001	Transmission & Distribution Mains	QIIP	33,023	(2,447)	-	382	5,513
26	TN	F	335000	Hydrants	QIIP	329,120	-	-	7,570	0
27										
28	TN	G	333000	Services		-	-	-	-	-
29										
30	TN	H	333000	Services	QIIP	658,529	-	-	7,310	15,133
31	TN	H	334100	Meters	QIIP	0	0	-	0	0
32										
33	TN	I	334100	Meters		-	-	-	-	-
34	TN	I	334200	Meter Installations		-	-	-	-	-
35										
36	TN	J	334100	Meters	QIIP	294,154	-	-	21,973	-
37	TN	J	334200	Meter Installations	QIIP	994,260	(1,923)	-	27,091	52,017
38										
39	TN	K	340200	Computer & Peripheral Equipment		-	-	-	-	-
40										
41	TN	L	320100	WT Equip Non-Media	SEC	268,337	(12,365)	-	2,790	5,933
42	TN	L	340200	Computer & Peripheral Equipment	SEC	5,294	-	-	116	-
43	TN	L	346100	Comm Equip Non-Telephone	SEC	49,922	-	-	2,102	-
44	TN	L	346190	Remote Control & Instrument	SEC	196,596	(3,559)	-	8,127	231
45										
46	TN	M	304100	Struct & Imp-Supply						
47	TN	M	304200	Struct & Imp-Pumping						
48	TN	M	304300	Structures & Improvement - Treatment	SEC	10,124	-	-	416	-

Tennessee American Water Company
Qualified Infrastructure Improvement Program
Economic Development Rider
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STRATEGIC CAPITAL EXPENDITURE PLAN
PROGRAM

Business Unit Tennessee
Revision Date June 27, 2014
Description TN BP 2015-2019 SCEP

2015

Line #	Business Unit No.	Project Title	Account	Account Description	Surcharge	Average Plant in Service	Average Retires (Replacement Projects Only)	Average CIAC	Depreciation Expense	Cost of Removal Less Salvage
49	TN	M	304400	Struct & Imp-Treatment-T&D	SEC	0	0	-	0	0
50	TN	M	304500	Structures & Improvement - General	SEC	6,193	-	-	70	-
51	TN	M	340200	Computer & Peripheral Equipment						
52										
53	TN	N	304500	Structures & Improvement - General		-	-	-	-	-
54										
55	TN	O	341100	Transportation Equip Lt Duty Trucks		-	-	-	-	-
56	TN	O	341200	Transportation Equip Hvy Duty Trucks		-	-	-	-	-
57	TN	O	341300	Transportation Equip Autos		-	-	-	-	-
58										
59	TN	P	343000	Tools, Shop, Garage Equipment		-	-	-	-	-
60										
61	TN	Q	304100	Struct & Imp-Supply	SEC	136,198	-	-	2,697	117
62	TN	Q	304200	Struct & Imp-Pumping	SEC	-	(4,820)	-	(95)	8,035
63	TN	Q	304300	Struct & Imp-Treatment	SEC	1,639	(5,316)	-	(151)	201
64	TN	Q	304400	Struct & Imp-Treatment-T&D	SEC	1,973	-	-	42	-
65	TN	Q	304500	Structures & Improvement - General	SEC	15,316	-	-	173	21
66	TN	Q	304600	Struc & Imp-Offices						
67	TN	Q	304700	Struct & Imp-Store,Shop,Garage	SEC	-	(4,973)	-	(36)	1
68	TN	Q	306000	Lake, River & Other Intakes	SEC	0	0	-	0	0
69	TN	Q	309000	Supply Mains	SEC	9,862	-	-	184	-
70	TN	Q	310000	Power Generation Equip	SEC	25,066	-	-	3,091	115
71	TN	Q	311200	Pump Equip Electric	SEC	5,181	(10,848)	-	(139)	687
72	TN	Q	311520	Pumping Equipment SOS	SEC	235,839	(33,609)	-	3,701	858
73	TN	Q	320100	WT Equip Non-Media	SEC	1,168,435	(63,358)	-	12,045	17,444
74	TN	Q	320200	Water Trmt Equip Filter Media	SEC	426,755	(120,369)	-	103,221	113,100
75	TN	Q	330000	Dist Reservoirs & Standpipes	SEC	-	(0)	-	(0)	-
76	TN	Q	331001	Transmission & Distribution Mains	SEC	-	-	-	-	-
77	TN	Q	334100	Meters	SEC	-	-	-	-	-
78	TN	Q	340200	Computer & Peripheral Equipment	SEC	-	(0)	-	(0)	57
79	TN	Q	340300	Computer Software						
80	TN	Q	340330	Computer Software Other						
81	TN	Q	343000	Tools, Shop, Garage Equipment	SEC	-	-	-	-	-
82	TN	Q	344000	Laboratory Equipment	SEC	-	(147,310)	-	(1,488)	12
83	TN	Q	345000	Power Operated Equipment	SEC	28,747	-	-	2,021	-
84	TN	Q	346190	Remote Control & Instrument	SEC	269	-	-	11	-
85	TN	Q	347000	Misc Equipment	SEC	7,193	-	-	455	581
86										
87	TN	R	304300	Struct & Imp-Treatment	QIIP	(60)	(87,600)	-	(3,603)	-
88	TN	R	304301	Struct & Imp-Treatment-Dpr Paint	QIIP	0	0	-	0	0
89	TN	R	320100	WT Equip Non-Media	QIIP	2,312,711	-	-	25,209	-
90	TN	R	320200	Water Trmt Equip Filter Media	QIIP	0	0	-	0	0
91	TN	R	330000	Dist Reservoirs & Standpipes	QIIP	64,883	-	-	1,350	0
92	TN	R	330003	Tank Repainting	QIIP	29,100	-	-	3,224	-
93	TN	R	330100	Elevated Tanks & Standpipes	QIIP	0	0	-	0	0
94	TN	R	330200	Ground Level Tanks	QIIP	-	(446)	-	(12)	977
95										
96	TN	S	331001	Transmission & Distribution Mains		-	-	-	-	-

Tennessee American Water Company
Qualified Infrastructure Improvement Program
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STRATEGIC CAPITAL EXPENDITURE PLAN
PROGRAM

Business Unit Tennessee
Revision Date June 27, 2014
Description TN BP 2015-2019 SCEP

2015

Line #	Business Unit No.	Project Title	Account	Account Description	Surcharge	Average Plant in Service	Average Retires (Replacement Projects Only)	Average CIAC	Depreciation Expense	Cost of Removal Less Salvage
97		Total Recurring Projects								
98										
99		ACQUISITIONS								
100										
101		Total Acquisitions								
102										
103		CENTRALLY SPONSORED PROJECTS								
104	TN	T26-0202	340315	Business Transformation 2010 - 2014 Computer Software Special Deprec Rate		-			-	
105	TN	T26-0203	340315	Business Transformation 2010 - 2014 Computer Software Special Deprec Rate		-			-	
106		Total Centrally Sponsored Projects								
107										
108		INVESTMENT PROJECTS								
109	TN	I26-020017		Electrical Motor Efficiency Enhancement (\$2.9)		-			-	
110	TN	I26-020027		Construct 1.0MG Tank & 2500-16" ER (\$1.0)		-			-	
111	TN	I26-020028	304300	Citico Plant Improvements Phase 1B (\$8.6)	QIIP	-			-	
112	TN	I26-020028	320100	WT Equip Non-Media	QIIP	0	0	-	0	0
	TN	I26-020028	346190	Remote Control & Instrument						
113	TN	I26-020032	304200	Wastewater Treatm't & Handling Impr (\$15.3)	SEC	-	-	-	-	-
114	TN	I26-020032	304300	Struct & Imp-Treatment	SEC					
115	TN	I26-020032	304400	Struct & Imp-T&D	SEC					
116	TN	I26-020032	304500	Structures & Improvement - General	SEC	1,392,738	-	-	15,738	-
117	TN	I26-020032	320100	WT Equip Non-Media	SEC	832,585	(47)	-	9,075	-
118	TN	I26-020032	330200	Ground Level Tanks	SEC	6,950	-	-	190	-
119	TN	I26-020032	347000	Misc Equipment	SEC	2,780	-	-	176	-
120	TN	I26-020034		3000'-24" Tennessee River Crossing (\$0.5)	EDI	-			-	
121	TN	I26-020038		Retire Basin 1	SEC	-				
122	TN	I26-020039		Basin 2 Tube Settlers	SEC	-				
123	TN	I26-020040		Chlorine Gas Conversion	SEC	-			-	
124	TN	I26-020041		Electrical - Breakers and Relays (\$0.6)						
125	TN	I26-020042		Pumping Auxiliary Power (\$1.4)						
126	TN	I26-020043		Energy Reduction and Efficiency (\$0.87)						
127	TN	I26-020044		New Raw Water Intake Citico (\$13)						
128	TN	I26-020045		Renovate Filter Bldg 3 (\$0.75)						
129	TN	I26-020046		New Field Services Facility (\$4.5)						
130	TN	I26-050001		Raw Water Intake Improvements Whitwell (\$2)						
131	TN	I26-050002		Facility Upgrades at Whitwell WTP (\$0.3) 1/3 in 2018						
	TN	I26-050002	346190	Remote Control & Instrument						
132	TN	I26-050003		Replace 0.5 MG Storage Tanks at Whitwell (\$.5)						
133	TN	I26-050004		Replace 0.1 MG Storage Tank at Whitwell (\$0.3) 1/3 in 18						
134	TN	I26-020002		Post Acquisition BD Capex		-			-	
135	TN	I26-000001	331001	Whitwell Acquisition Capital Investment	QIIP	-	-	-	-	
136	TN	I26-000001	320200	Transmission & Distribution Mains	QIIP	-			-	
137	TN	I26-000001	311520	Struct & Imp-Supply	QIIP	-			-	
138	TN	I26-000001	340200	Struct & Imp-Pumping	QIIP	-			-	
139				Struct & Imp-Treatment	QIIP	-			-	
140										
Total DV Included:										
					\$	12,810,147	\$	(661,935)	\$	294,063
							\$	-	\$	291,849

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STRATEGIC CAPITAL EXPENDITURE PLAN PROGRAM

Business Unit	Tennessee
Revision Date	June 27, 2014
Description	TN BP 2015-2019 SCEP

2015

Line #	Business Unit No.	Project Title	Account	Account Description	Surcharge	Average Plant in Service	Average Retires (Replacement Projects Only)	Average CIAC	Depreciation Expense	Cost of Removal Less Salvage
141										
142				Total DV Excluded:		\$ 12,810,147	\$ (661,935)	\$ -	\$ 294,063	\$ 291,849
143										
144				Total Surcharge Amt:		\$ 12,810,147	\$ (661,935)	\$ -	\$ 294,063	\$ 291,849
145										
146				SEC Total:		\$ 4,833,992	\$ (406,575)	\$ -	\$ 164,532	\$ 147,392
147										
148				EDI Total:		\$ 366,908	\$ (611)	\$ -	\$ 5,298	\$ 574
149										
150				QIIP Total:		\$ 7,609,247	\$ (254,750)	\$ -	\$ 124,233	\$ 143,882
151										
152										
153										

*Hard-coded amounts from prior reconciliation filings.

**Zero amounts associated with utility accounts not utilized until 2016.

Tennessee American Water Company
Qualified Infrastructure Improvement Program
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**STRATEGIC CAPITAL EXPENDITURE PLAN
PROGRAM**

Business Unit Tennessee
Revision Date June 27, 2014
Description TN BP 2015-2019 SCEP

Line #	Business Unit No.	Project Title	Account	Account Description	Tax Depr class life	Y1 Tax Depr Rate	Y2 Tax Depr Rate	Tax Depreciation	Tax over Book Depreciation	Tax Rate	Depreciation Deferred Tax (DTA, (DTL))
1		RECURRING PROJECTS									
2	TN	DV	331001	Transmission & Distribution Mains	25 yr	0.02	0.04	\$ -	-	0.39225	-
3	TN	DV	333000	Services	25 yr	0.02	0.04	-	-	0.39225	-
4	TN	DV	335000	Hydrants	25 yr	0.02	0.04	-	-	0.39225	-
5											
6	TN	A	331001	Transmission & Distribution Mains	25 yr	0.02	0.04	9,125	5,821	0.39225	(2,283)
7	TN	A	333000	Services	25 yr	0.02	0.04	64	34	0.39225	(13)
8	TN	A	334300	Meter Vaults	25 yr	0.02	0.04	0	0	0.39225	0
9	TN	A	335000	Hydrants	25 yr	0.02	0.04	227	65	0.39225	(25)
10											
11	TN	B	331001	Transmission & Distribution Mains	25 yr	0.02	0.04	52,021	38,994	0.39225	(15,295)
12	TN	B	333000	Services	25 yr	0.02	0.04	3,876	2,973	0.39225	(1,166)
13	TN	B	335000	Hydrants	25 yr	0.02	0.04	1,064	342	0.39225	(134)
14											
15	TN	C	331001	Transmission & Distribution Mains	25 yr	0.02	0.04	57,196	39,900	0.39225	(15,651)
16	TN	C	335000	Hydrants	25 yr	0.02	0.04	0	0	0.39225	0
17											
18	TN	D	331001	Transmission & Distribution Mains	25 yr	0.02	0.04	29,687	26,558	0.39225	(10,417)
19	TN	D	333000	Services	25 yr	0.02	0.04	32	23	0.39225	(9)
20	TN	D	335000	Hydrants	25 yr	0.02	0.04	146	1,492	0.39225	(585)
21											
22	TN	E	331001	Transmission & Distribution Mains	25 yr	0.02	0.04	2,640	2,260	0.39225	(886)
23	TN	E	335000	Hydrants	25 yr	0.02	0.04	1,375	(47)	0.39225	18
24											
25	TN	F	331001	Transmission & Distribution Mains	25 yr	0.02	0.04	2,855	2,473	0.39225	(970)
26	TN	F	335000	Hydrants	25 yr	0.02	0.04	12,597	5,027	0.39225	(1,972)
27											
28	TN	G	333000	Services	25 yr	0.02	0.04	-	-	0.39225	-
29											
30	TN	H	333000	Services	25 yr	0.02	0.04	26,280	18,970	0.39225	(7,441)
31	TN	H	334100	Meters	25 yr	0.02	0.04	0	0	0.39225	0
32											
33	TN	I	334100	Meters	25 yr	0.02	0.04	-	-	0.39225	-
34	TN	I	334200	Meter Installations	25 yr	0.02	0.04	-	-	0.39225	-
35											
36	TN	J	334100	Meters	25 yr	0.02	0.04	6,438	(15,535)	0.39225	6,094
37	TN	J	334200	Meter Installations	25 yr	0.02	0.04	42,223	15,132	0.39225	(5,936)
38											
39	TN	K	340200	Computer & Peripheral Equipment	5 yr	0.2	0.32	-	-	0.39225	-
40											
41	TN	L	320100	WT Equip Non-Media	25 yr	0.02	0.04	10,733	7,943	0.39225	(3,116)
42	TN	L	340200	Computer & Peripheral Equipment	5 yr	0.2	0.32	2,065	1,949	0.39225	(764)
43	TN	L	346100	Comm Equip Non-Telephone	5 yr	0.2	0.32	15,103	13,001	0.39225	(5,100)
44	TN	L	346190	Remote Control & Instrument	5 yr	0.2	0.32	104,735	96,608	0.39225	(37,894)
45											
46	TN	M	304100	Struct & Imp-Supply							
47	TN	M	304200	Struct & Imp-Pumping							
48	TN	M	304300	Structures & Improvement - Treatment	39 yr	0.01282	0.02564	1,687	1,271	0.39225	(499)

Tennessee American Water Company
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STRATEGIC CAPITAL EXPENDITURE PLAN
PROGRAM

Business Unit Tennessee
Revision Date June 27, 2014
Description TN BP 2015-2019 SCEP

Line #	Business Unit No.	Project Title	Account	Account Description	Tax Depr class life	Y1 Tax Depr Rate	Y2 Tax Depr Rate	Tax Depreciation	Tax over Book Depreciation	Tax Rate	Depreciation Deferred Tax (DTA, (DTL))
49	TN	M	304400	Struct & Imp-Treatment-T&D	39 yr	0.01282	0.02564	0	0	0.39225	0
50	TN	M	304500	Structures & Improvement - General	39 yr	0.01282	0.02564	159	89	0.39225	(35)
51	TN	M	340200	Computer & Peripheral Equipment							
52											
53	TN	N	304500	Structures & Improvement - General	39 yr	0.01282	0.02564	-	-	0.39225	-
54											
55	TN	O	341100	Transportation Equip Lt Duty Trucks	5 yr	0.2	0.32	-	-	0.39225	-
56	TN	O	341200	Transportation Equip Hvy Duty Trucks	5 yr	0.2	0.32	-	-	0.39225	-
57	TN	O	341300	Transportation Equip Autos	5 yr	0.2	0.32	-	-	0.39225	-
58											
59	TN	P	343000	Tools, Shop, Garage Equipment	25 yr	0.02	0.04	-	-	0.39225	-
60											
61	TN	Q	304100	Struct & Imp-Supply	39 yr	0.01282	0.02564	3,269	572	0.39225	(225)
62	TN	Q	304200	Struct & Imp-Pumping	39 yr	0.01282	0.02564	-	95	0.39225	(37)
63	TN	Q	304300	Struct & Imp-Treatment	39 yr	0.01282	0.02564	91	242	0.39225	(95)
64	TN	Q	304400	Struct & Imp-Treatment-T&D	39 yr	0.01282	0.02564	329	287	0.39225	(113)
65	TN	Q	304500	Structures & Improvement - General	39 yr	0.01282	0.02564	355	182	0.39225	(71)
66	TN	Q	304600	Struc & Imp-Offices							
67	TN	Q	304700	Struct & Imp-Store,Shop,Garage	39 yr	0.01282	0.02564	-	36	0.39225	(14)
68	TN	Q	306000	Lake, River & Other Intakes	25 yr	0.02	0.04	0	0	0.39225	0
69	TN	Q	309000	Supply Mains	25 yr	0.02	0.04	394	210	0.39225	(82)
70	TN	Q	310000	Power Generation Equip	25 yr	0.02	0.04	1,003	(2,088)	0.39225	819
71	TN	Q	311200	Pump Eqp Electric	25 yr	0.02	0.04	377	516	0.39225	(202)
72	TN	Q	311520	Pumping Equipment SOS	25 yr	0.02	0.04	11,618	7,917	0.39225	(3,105)
73	TN	Q	320100	WT Equip Non-Media	25 yr	0.02	0.04	43,651	31,606	0.39225	(12,397)
74	TN	Q	320200	Water Trmt Equip Filter Media	25 yr	0.02	0.04	13,878	(89,344)	0.39225	35,045
75	TN	Q	330000	Dist Reservoirs & Standpipes	25 yr	0.02	0.04	-	0	0.39225	(0)
76	TN	Q	331001	Transmission & Distribution Mains	25 yr	0.02	0.04	-	-	0.39225	-
77	TN	Q	334100	Meters	25 yr	0.02	0.04	-	-	0.39225	-
78	TN	Q	340200	Computer & Peripheral Equipment	5 yr	0.2	0.32	-	0	0.39225	(0)
79	TN	Q	340300	Computer Software							
80	TN	Q	340330	Computer Software Other							
81	TN	Q	343000	Tools, Shop, Garage Equipment	25 yr	0.02	0.04	-	-	0.39225	-
82	TN	Q	344000	Laboratory Equipment	25 yr	0.02	0.04	-	1,488	0.39225	(584)
83	TN	Q	345000	Power Operated Equipment	25 yr	0.02	0.04	830	(1,191)	0.39225	467
84	TN	Q	346190	Remote Control & Instrument	5 yr	0.2	0.32	700	689	0.39225	(270)
85	TN	Q	347000	Misc Equipment	25 yr	0.02	0.04	156	(299)	0.39225	117
86											
87	TN	R	304300	Struct & Imp-Treatment	39 yr	0.01282	0.02564	(10)	3,593	0.39225	(1,409)
88	TN	R	304301	Struct & Imp-Treatment-Dpr Paint	39 yr	0.01282	0.02564	0	0	0.39225	0
89	TN	R	320100	WT Equip Non-Media	25 yr	0.02	0.04	92,954	67,745	0.39225	(26,573)
90	TN	R	320200	Water Trmt Equip Filter Media	25 yr	0.02	0.04	0	0	0.39225	0
91	TN	R	330000	Dist Reservoirs & Standpipes	25 yr	0.02	0.04	11,808	10,459	0.39225	(4,102)
92	TN	R	330003	Tank Repainting	25 yr	0.02	0.04	927	(2,297)	0.39225	901
93	TN	R	330100	Elevated Tanks & Standpipes	25 yr	0.02	0.04	0	0	0.39225	0
94	TN	R	330200	Ground Level Tanks	25 yr	0.02	0.04	-	12	0.39225	(5)
95											
96	TN	S	331001	Transmission & Distribution Mains	25 yr	0.02	0.04	-	-	0.39225	-

Tennessee American Water Company
Qualified Infrastructure Improvement Program
Economic Development Rider
Safety and Environmental Compliance Rider

STRATEGIC CAPITAL EXPENDITURE PLAN
PROGRAM

Business Unit Tennessee
Revision Date June 27, 2014
Description TN BP 2015-2019 SCEP

Business Unit No.		Project Title	Account	Account Description	Tax Depr class life	Y1 Tax Depr Rate	Y2 Tax Depr Rate	Tax Depreciation	Tax over Book Depreciation	Tax Rate	Depreciation Deferred Tax (DTA, (DTL))
97		Total Recurring Projects									
98											
99		ACQUISITIONS									
100											
101		Total Acquisitions									
102											
103		CENTRALLY SPONSORED PROJECTS									
104	TN	T26-0202	340315	Computer Software Special Deprec Rate	3 yr	0.3333	0.3333		-	0.39225	-
105	TN	T26-0203	340315	Computer Software Special Deprec Rate							
106		Total Centrally Sponsored Projects									
107											
108		INVESTMENT PROJECTS									
109	TN	I26-020017		Electrical Motor Efficiency Enhancement (\$2.9)							-
110	TN	I26-020027		Construct 1.0MG Tank & 2500-16" ER (\$1.0)							-
111	TN	I26-020028		Citico Plant Improvements Phase 1B (\$8.6)	39 yr	0.01282	0.02564		-	0.39225	-
112	TN	I26-020028	320100	WT Equip Non-Media	25 yr	0.02	0.04	0	0	0.39225	-
	TN	I26-020028	346190	Remote Control & Instrument							-
113	TN	I26-020032	304200	Wastewater Treatm't & Handling Impr (\$15.3)	39 yr	0.01282	0.02564	-	-	0.39225	-
114	TN	I26-020032	304300	Struct & Imp-Pumping	39 yr	0.01282	0.02564	0	0	0.39225	-
115	TN	I26-020032	304400	Struct & Imp-T&D	39 yr	0.01282	0.02564	0	0	0.39225	-
116	TN	I26-020032	304500	Structures & Improvement - General	39 yr	0.01282	0.02564	120,176	104,438	0.39225	(40,966)
117	TN	I26-020032	320100	WT Equip Non-Media	25 yr	0.02	0.04	112,078	103,003	0.39225	(40,403)
118	TN	I26-020032	330200	Ground Level Tanks	25 yr	0.02	0.04	936	745	0.39225	(292)
119	TN	I26-020032	347000	Misc Equipment	25 yr	0.02	0.04	374	198	0.39225	(78)
120	TN	I26-020034		3000'-24" Tennessee River Crossing (\$0.5)						0.39225	-
121	TN	I26-020038		Retire Basin 1						0.39225	-
122	TN	I26-020039		Basin 2 Tube Settlers							-
123	TN	I26-020040		Chlorine Gas Conversion							-
124	TN	I26-020041		Electrical - Breakers and Relays (\$0.6)						0.39225	-
125	TN	I26-020042		Pumping Auxiliary Power (\$1.4)							-
126	TN	I26-020043		Energy Reduction and Efficiency (\$0.87)							-
127	TN	I26-020044		New Raw Water Intake Citico (\$13)							-
128	TN	I26-020045		Renovate Filter Bldg 3 (\$0.75)							-
129	TN	I26-020046		New Field Services Facility (\$4.5)							-
130	TN	I26-050001		Raw Water Intake Improvements Whitwell (\$2)							-
131	TN	I26-050002		Facility Upgrades at Whitwell WTP (\$0.3) 1/3 in 2018							-
	TN	I26-050002	346190	Remote Control & Instrument							-
132	TN	I26-050003		Replace 0.5 MG Storage Tanks at Whitwell (\$5)							-
133	TN	I26-050004		Replace 0.1 MG Storage Tank at Whitwell (\$0.3) 1/3 in 18							-
134	TN	I26-020002		Post Acquisition BD Capex							-
135	TN	I26-000001	331001	Whitwell Acquisition Capital Investment	25 yr	0.02		-	-	0.39225	-
136	TN	I26-000001	320200	Struct & Imp-Supply	25 yr	0.02		-	-	0.39225	-
137	TN	I26-000001	311520	Struct & Imp-Pumping	25 yr	0.02		-	-	0.39225	-
138	TN	I26-000001	340200	Struct & Imp-Treatment	5 yr	0.2		-	-	0.39225	-
139											
140								\$ 798,221	\$ 504,159		\$ (197,756)

**Tennessee American Water Company
Qualified Infrastructure Improvement Program
Economic Development Rider
Safety and Environmental Compliance Rider**

STRATEGIC CAPITAL EXPENDITURE PLAN PROGRAM

Business Unit Tennessee
Revision Date June 27, 2014
Description TN BP 2015-2019 SCEP

Line #	Business Unit No.	Project Title	Account	Account Description	Tax Depr class life	Y1 Tax Depr Rate	Y2 Tax Depr Rate	Tax Depreciation	Tax over Book Depreciation	Tax Rate	Depreciation Deferred Tax (DTA, DTL)
141											
142				Total DV Excluded:				\$ 798,221	\$ 504,159		\$ (197,756)
143											
144				Total Surcharge Amt:				\$ 798,221	\$ 504,159		\$ (197,756)
145											
146				SEC Total:				\$ 444,697	\$ 280,165		\$ (109,895)
147											
148				EDI Total:				\$ 13,430	\$ 8,132		\$ (3,190)
149											
150				QIIP Total:				\$ 340,095	\$ 215,862		\$ (84,672)
151											
152				*Hard-coded amounts from prior reconciliation filings.							
153				**Zero amounts associated with utility accounts not utilized until 2016.							

Tennessee American Water Company
Qualified Infrastructure Improvement Program
Economic Development Rider
Safety and Environmental Compliance Rider

STRATEGIC CAPITAL EXPENDITURE PLAN
PROGRAM

Business Unit Tennessee
Revision Date June 27, 2014
Description TN BP 2015-2019 SCEP

Line #	Business Unit No.	Project Title	Account	Account Description	NOTES	Average Accum Depreciation	Average Depreciation Deferred Tax (DTA, DTL)	Actual Retirements	Actual COR Less Salvage
1		RECURRING PROJECTS							
2	TN	DV	331001	Transmission & Distribution Mains	This should be zero if related to non-taxable	\$0	\$0	\$0	\$0
3	TN	DV	333000	Services	This should be zero if related to non-taxable	0	0	0	0
4	TN	DV	335000	Hydrants	This should be zero if related to non-taxable	0	0	0	0
5									
6	TN	A	331001	Transmission & Distribution Mains		(1,652)	(1,142)	0	0
7	TN	A	333000	Services		(15)	(7)	0	0
8	TN	A	334300	Meter Vaults		0	0	0	0
9	TN	A	335000	Hydrants		(81)	(13)	0	0
10									
11	TN	B	331001	Transmission & Distribution Mains		(9,267)	(8,296)	(53,489)	7,785
12	TN	B	333000	Services		(454)	(584)	0	42,361
13	TN	B	335000	Hydrants		(363)	(67)	0	0
14									
15	TN	C	331001	Transmission & Distribution Mains		(14,285)	(9,152)	(73,781)	210,310
16	TN	C	335000	Hydrants		0	0	0	0
17									
18	TN	D	331001	Transmission & Distribution Mains		(2,032)	(5,319)	(91,710)	71,401
19	TN	D	333000	Services		(5)	(5)	0	48,961
20	TN	D	335000	Hydrants		673	(293)	(64,148)	0
21									
22	TN	E	331001	Transmission & Distribution Mains		(336)	(477)	0	0
23	TN	E	335000	Hydrants		(1,180)	33	(882)	933
24									
25	TN	F	331001	Transmission & Distribution Mains		(209)	(489)	(2,902)	39,220
26	TN	F	335000	Hydrants		(5,938)	(876)	0	0
27									
28	TN	G	333000	Services		0	0	0	0
29									
30	TN	H	333000	Services		(5,855)	(4,413)	0	196,727
31	TN	H	334100	Meters		0	0	0	0
32									
33	TN	I	334100	Meters		0	0	0	0
34	TN	I	334200	Meter Installations		0	0	0	0
35									
36	TN	J	334100	Meters		(13,315)	3,715	0	0
37	TN	J	334200	Meter Installations		(18,453)	(2,453)	(1,923)	381,479
38									
39	TN	K	340200	Computer & Peripheral Equipment		0	0	0	0
40									
41	TN	L	320100	WT Equip Non-Media		(3,125)	(2,124)	(12,365)	5,933
42	TN	L	340200	Computer & Peripheral Equipment		(152)	(684)	0	0
43	TN	L	346100	Comm Equip Non-Telephone		(1,667)	(3,456)	0	0
44	TN	L	346190	Remote Control & Instrument		(5,557)	(21,144)	(5,784)	521
45									
46	TN	M	304100	Struct & Imp-Supply					
47	TN	M	304200	Struct & Imp-Pumping					
48	TN	M	304300	Structures & Improvement - Treatment		(208)	(249)	0	0

**Tennessee American Water Company
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STRATEGIC CAPITAL EXPENDITURE PLAN PROGRAM

Business Unit	Tennessee
Revision Date	June 27, 2014
Description	TN BP 2015-2019 SCEP

					Average Depreciation				
Business Unit No.			Project Title	Account	Account Description	Average Accum Depreciation	Deferred Tax (DTA, (DTL))	Actual Retirements	Actual COR Less Salvage
Line #									
49	TN	M		304400	Struct & Imp-Treatment-T&D	0	0	0	0
50	TN	M		304500	Structures & Improvement - General	(35)	(17)	0	0
51	TN	M		340200	Computer & Peripheral Equipment				
52									
53	TN	N	Offices and Operations Centers	304500	Structures & Improvement - General	0	0	0	0
54									
55	TN	O	Vehicles	341100	Transportation Equip Lt Duty Trucks	0	0	0	0
56	TN	O		341200	Transportation Equip Hvy Duty Trucks	0	0	0	0
57	TN	O		341300	Transportation Equip Autos	0	0	0	0
58									
59	TN	P	Tools and Equipment	343000	Tools, Shop, Garage Equipment	0	0	0	0
60									
61	TN	Q	Process Plant Facilities and Equipment	304100	Struct & Imp-Supply	(1,846)	(169)	0	117
62	TN	Q		304200	Struct & Imp-Pumping	48	(19)	(6,236)	10,444
63	TN	Q		304300	Struct & Imp-Treatment	136	(56)	(5,522)	212
64	TN	Q		304400	Struct & Imp-Treatment-T&D	(21)	(56)	0	0
65	TN	Q		304500	Structures & Improvement - General	(87)	(36)	0	277
66	TN	Q		304600	Struc & Imp-Offices				
67	TN	Q		304700	Struct & Imp-Store,Shop,Garage	18	(7)	(5,388)	1
68	TN	Q		306000	Lake, River & Other Intakes	0	0	0	0
69	TN	Q		309000	Supply Mains	(169)	(11)	0	0
70	TN	Q		310000	Power Generation Equip	(3,621)	(98)	0	115
71	TN	Q		311200	Pump Eqp Electric	153	(107)	(14,512)	749
72	TN	Q		311520	Pumping Equipment SOS	(3,007)	(1,595)	(33,609)	1,881
73	TN	Q		320100	WT Equip Non-Media	(6,233)	(6,267)	(131,830)	57,217
74	TN	Q		320200	Water Trmt Equip Filter Media	(51,611)	17,522	(284,994)	387,744
75	TN	Q		330000	Dist Reservoirs & Standpipes	0	(0)	(0)	0
76	TN	Q		331001	Transmission & Distribution Mains	0	0	0	0
77	TN	Q		334100	Meters	0	0	0	0
78	TN	Q		340200	Computer & Peripheral Equipment	0	(0)	(0)	105
79	TN	Q		340300	Computer Software				
80	TN	Q		340330	Computer Software Other				
81	TN	Q		343000	Tools, Shop, Garage Equipment	0	0	0	0
82	TN	Q		344000	Laboratory Equipment	870	(243)	(147,686)	12
83	TN	Q		345000	Power Operated Equipment	(1,010)	234	0	0
84	TN	Q		346190	Remote Control & Instrument	(6)	(135)	0	0
85	TN	Q		347000	Misc Equipment	(228)	59	0	2,546
86									
87	TN	R	Capitalized Tank Rehabilitation/Painting	304300	Struct & Imp-Treatment	1,801	(705)	(94,900)	0
88	TN	R		304301	Struct & Imp-Treatment-Dpr Paint	0	0	0	0
89	TN	R		320100	WT Equip Non-Media	(23,393)	(16,820)	0	0
90	TN	R		320200	Water Trmt Equip Filter Media	0	0	0	0
91	TN	R		330000	Dist Reservoirs & Standpipes	(900)	(2,048)	0	0
92	TN	R		330003	Tank Repainting	(1,612)	450	0	0
93	TN	R		330100	Elevated Tanks & Standpipes	0	0	0	0
94	TN	R		330200	Ground Level Tanks	12	(3)	(446)	977
95									
96	TN	S	Engineering Studies	331001	Transmission & Distribution Mains	0	0	0	

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STRATEGIC CAPITAL EXPENDITURE PLAN
PROGRAM

Business Unit Tennessee
Revision Date June 27, 2014
Description TN BP 2015-2019 SCEP

Line #	Business Unit No.	Project Title	Account	Account Description	NOTES	Average Accum Depreciation	Average Depreciation Deferred Tax (DTA, (DTL))	Actual Retirements	Actual COR Less Salvage
97		Total Recurring Projects							
98									
99		ACQUISITIONS							
100									
101		Total Acquisitions							
102									
103		CENTRALLY SPONSORED PROJECTS							
104	TN	T26-0202 Business Transformation 2010 - 2014	340315	Computer Software Special Deprec Rate					
105	TN	T26-0203 Business Transformation 2010 - 2014	340315	Computer Software Special Deprec Rate					
106		Total Centrally Sponsored Projects							
107									
108		INVESTMENT PROJECTS							
109	TN	I26-020017 Electrical Motor Efficiency Enhancement (\$2.9)							
110	TN	I26-020027 Construct 1.0MG Tank & 2500-16" ER (\$1.0)							
111	TN	I26-020028 Citico Plant Improvements Phase 1B (\$8.6)	304300	Struct & Imp-Treatment					
112	TN	I26-020028 WT Equip Non-Media	320100	WT Equip Non-Media		0	0	0	0
	TN	I26-020028 Remote Control & Instrument	346190	Remote Control & Instrument					
113	TN	I26-020032 Wastewater Treatm't & Handling Impr (\$15.3)	304200	Struct & Imp-Pumping		0	0	0	0
114	TN	I26-020032 Struct & Imp-Treatment	304300	Struct & Imp-Treatment		0	0	0	0
115	TN	I26-020032 Struct & Imp-T&D	304400	Struct & Imp-T&D		0	0	0	0
116	TN	I26-020032 Structures & Improvement - General	304500	Structures & Improvement - General		(7,869)	(20,483)	0	0
117	TN	I26-020032 WT Equip Non-Media	320100	WT Equip Non-Media		(4,537)	(20,201)	(305)	0
118	TN	I26-020032 Ground Level Tanks	330200	Ground Level Tanks		(95)	(146)	0	0
119	TN	I26-020032 Misc Equipment	347000	Misc Equipment		(88)	(39)	0	0
120	TN	I26-020034 3000'-24" Tennessee River Crossing (\$0.5)							
121	TN	I26-020038 Retire Basin 1							
122	TN	I26-020039 Basin 2 Tube Settlers							
123	TN	I26-020040 Chlorine Gas Conversion							
124	TN	I26-020041 Electrical - Breakers and Relays (\$0.6)							
125	TN	I26-020042 Pumping Auxiliary Power (\$1.4)							
126	TN	I26-020043 Energy Reduction and Efficiency (\$0.87)							
127	TN	I26-020044 New Raw Water Intake Citico (\$13)							
128	TN	I26-020045 Renovate Filter Bldg 3 (\$0.75)							
129	TN	I26-020046 New Field Services Facility (\$4.5)							
130	TN	I26-050001 Raw Water Intake Improvements Whitwell (\$2)							
131	TN	I26-050002 Facility Upgrades at Whitwell WTP (\$0.3) 1/3 in 2018							
	TN	I26-050002 Remote Control & Instrument	346190	Remote Control & Instrument					
132	TN	I26-050003 Replace 0.5 MG Storage Tanks at Whitwell (\$5)							
133	TN	I26-050004 Replace 0.1 MG Storage Tank at Whitwell (\$0.3) 1/3 in 18							
134	TN	I26-020002 Post Acquisition BD Capex							
135	TN	I26-000001 Whitwell Acquisition Capital Investment	331001	Transmission & Distribution Mains		-	-		
136	TN	I26-000001 Struct & Imp-Supply	320200	Struct & Imp-Supply		-	-		
137	TN	I26-000001 Struct & Imp-Pumping	311520	Struct & Imp-Pumping		-	-		
138	TN	I26-000001 Struct & Imp-Treatment	340200	Struct & Imp-Treatment		-	-		
139									
140					See note under DV above	\$ (186,806)	\$ (108,491)	\$ (1,032,411)	\$ 1,468,030

Tennessee American Water Company
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Economic Development Rider
Safety and Environmental Compliance Rider

STRATEGIC CAPITAL EXPENDITURE PLAN
PROGRAM

Business Unit Tennessee
Revision Date June 27, 2014
Description TN BP 2015-2019 SCEP

Line #	Business Unit No.	Project Title	Account	Account Description
141				
142		Total DV Excluded:		
143				
144		Total Surcharge Amt:		
145				
146		SEC Total:		
147				
148		EDI Total:		
149				
150		QIIP Total:		
151				
152		*Hard-coded amounts from prior reconciliation filings.		
153		**Zero amounts associated with utility accounts not utilized until 2016.		

NOTES

Average Accum Depreciation	Average Depreciation Deferred Tax (DTA, (DTL))	Actual Retirements	Actual COR Less Salvage
\$ (186,806)	\$ (108,491)	\$ (1,032,411)	\$ 1,468,030
\$ (186,806)	\$ (108,491)	\$ (1,032,411)	\$ 1,468,030
\$ (89,948)	\$ (59,530)	\$ (648,230)	\$ 467,874
\$ (3,264)	\$ (1,605)	\$ (882)	\$ 933
\$ (93,594)	\$ (47,355)	\$ (383,299)	\$ 999,222

STRATEGIC CAPITAL EXPENDITURE PLAN
PROGRAM

Business Unit	Tennessee
Revision Date	June 27, 2014
Description	TN BP 2015-2019 SCEP

				Year: 2015					
Business Unit	Surcharge Category	Business Unit No.	Project Title	1	2	3	4	5	6
RECURRING PROJECTS									
Tennessee		DV	Projects Funded by Others	\$ 5,000	\$ 5,000	\$ 30,000	\$ 70,000	\$ 150,000	\$ 100,000
Tennessee	EDI	A	Mains - New	-	-	-	-	10,000	30,000
Tennessee	QIIP	B	Mains - Replaced / Restored	20,000	80,000	120,000	200,000	150,000	210,000
Tennessee	QIIP	C	Mains - Unscheduled	50,000	50,000	80,000	25,000	60,000	60,000
Tennessee	QIIP	D	Mains - Relocated	-	-	30,000	40,000	100,000	50,000
Tennessee	EDI	E	Hydrants, Valves, and Manholes - New	-	2,000	3,000	3,000	5,000	4,000
Tennessee	QIIP	F	Hydrants, Valves, and Manholes - Replaced	10,000	20,000	20,000	20,000	15,000	15,000
Tennessee		G	Services and Laterals - New	25,000	30,000	36,000	45,000	51,000	54,000
Tennessee	QIIP	H	Services and Laterals - Replaced	-	10,000	20,000	18,000	25,000	35,000
Tennessee		I	Meters - New	20,000	50,000	40,000	75,000	65,000	35,000
Tennessee	QIIP	J	Meters - Replaced	50,000	35,000	60,000	55,000	35,000	35,000
Tennessee		K	ITS Equipment and Systems	68,773	73,773	78,773	123,751	87,677	92,577
Tennessee	SEC	L	SCADA Equipment and Systems	4,000	2,000	-	-	-	-
Tennessee	SEC	M	Security Equipment and Systems	-	5,000	6,000	9,000	35,000	10,000
Tennessee		N	Offices and Operations Centers	-	-	-	-	-	-
Tennessee		O	Vehicles	-	15,000	-	20,000	-	20,000
Tennessee		P	Tools and Equipment	5,000	-	7,000	12,000	5,000	-
Tennessee	SEC	Q	Process Plant Facilities and Equipment	65,000	250,000	280,000	350,000	230,000	90,000
Tennessee	QIIP	R	Capitalized Tank Rehabilitation/Painting	-	-	-	-	-	-
Tennessee		S	Engineering Studies	-	-	-	-	5,000	15,000
Total Recurring Projects				\$ 317,773	\$ 622,773	\$ 780,773	\$ 995,751	\$ 878,677	\$ 755,577
ACQUISITIONS									
Tennessee			Total Acquisitions	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CENTRALLY SPONSORED PROJECTS									
Tennessee		T26-0202	Business Transformation 2010 - 2014						
Tennessee		T26-0203	Business Transformation 2010 - 2014						
Total Centrally Sponsored Projects				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
INVESTMENT PROJECTS									
			Total						
Tennessee		I26-020017	Electrical Motor Efficiency Enhancement (\$2.9)	2,900,000					
Tennessee		I26-020027	Construct 1.0MG Tank & 2500-16" ER (\$1.0)	1,000,000					
Tennessee	QIIP	I26-020028	Citico Plant Improvements Phase 1B (\$8.6)	8,600,000					
Tennessee	SEC	I26-020032	Wastewater Treatm't & Handling Impr (\$15.3)	15,300,000					
Tennessee	EDI	I26-020034	3000'-24" Tennessee River Crossing (\$0.5)	1,000,000					
Tennessee	SEC	I26-020038	Retire Basin 1	600,000					
Tennessee	SEC	I26-020039	Basin 2 Tube Settlers	3,500,000					
Tennessee	SEC	I26-020040	Chlorine Gas Conversion	2,500,000					
Tennessee		I26-000002	Post Acquisition BD Capex	1,080,000					
Tennessee	QIIP	I26-000001	Whitwell Acquisition Capital Investment	1,200,000					
Total Investment Projects				\$ 1,500,000	\$ 1,500,000	\$ 1,200,000	\$ 1,000,000	\$ 850,000	\$ 600,000
Total Investment and Centrally Sponsored Projects				\$ 1,500,000	\$ 1,500,000	\$ 1,200,000	\$ 1,000,000	\$ 850,000	\$ 600,000
Contributions				\$ (20,000)	\$ (20,000)	\$ (20,000)	\$ (20,000)	\$ (20,000)	\$ (20,000)
Advances				(58,333)	(58,333)	(58,333)	(58,333)	(58,333)	(58,333)
Total Refunds				29,167	29,167	29,167	29,167	29,167	29,167
Gross minus BT				\$ 1,822,773	\$ 2,127,773	\$ 2,010,773	\$ 2,065,751	\$ 1,878,677	\$ 1,455,577
Net minus BT				(49,167)	(49,167)	(49,167)	(49,167)	(49,167)	(49,167)
Gross plus BT				\$ 1,822,773	\$ 2,127,773	\$ 2,010,773	\$ 2,065,751	\$ 1,878,677	\$ 1,455,577
Net plus BT				(49,167)	(49,167)	(49,167)	(49,167)	(49,167)	(49,167)
Net plus BT				\$ 1,773,606	\$ 2,078,606	\$ 1,961,606	\$ 2,016,584	\$ 1,829,510	\$ 1,406,410

*Dollar amounts from TAWC's Annual Capital Planning Process

STRATEGIC CAPITAL EXPENDITURE PLAN
PROGRAM

Business Unit	Tennessee
Revision Date	June 27, 2014
Description	TN BP 2015-2019 SCEP

										U.S. \$
Business Unit	Surcharge Category	Business Unit No.	Project Title	7	8	9	10	11	12	Total 2015
RECURRING PROJECTS										
Tennessee		DV	Projects Funded by Others	\$ 55,000	\$ 55,000	\$ 50,000	\$ 60,000	\$ 120,000	\$ 100,000	\$ 800,000
Tennessee	EDI	A	Mains - New	40,000	15,000	-	-	-	-	95,000
Tennessee	QIIP	B	Mains - Replaced / Restored	170,000	210,000	150,000	140,000	30,000	20,000	1,500,000
Tennessee	QIIP	C	Mains - Unscheduled	60,000	90,000	85,000	70,000	60,000	110,000	800,000
Tennessee	QIIP	D	Mains - Relocated	100,000	30,000	-	-	-	-	350,000
Tennessee	EDI	E	Hydrants, Valves, and Manholes - New	5,000	8,500	8,500	6,000	3,000	-	48,000
Tennessee	QIIP	F	Hydrants, Valves, and Manholes - Replaced	15,000	50,000	30,000	100,000	50,000	30,000	375,000
Tennessee		G	Services and Laterals - New	50,000	46,000	41,000	36,000	36,000	30,000	480,000
Tennessee	QIIP	H	Services and Laterals - Replaced	33,000	23,000	21,000	25,000	20,000	20,000	250,000
Tennessee		I	Meters - New	30,000	30,000	55,000	20,000	60,000	40,000	520,000
Tennessee	QIIP	J	Meters - Replaced	75,000	45,000	80,000	120,000	85,000	50,000	725,000
Tennessee		K	ITS Equipment and Systems	99,347	109,347	89,347	90,144	79,347	35,502	1,028,356
Tennessee	SEC	L	SCADA Equipment and Systems	-	4,000	100,000	45,000	30,000	-	185,000
Tennessee	SEC	M	Security Equipment and Systems	15,000	15,000	20,000	25,000	40,000	10,000	190,000
Tennessee		N	Offices and Operations Centers	-	10,000	15,000	-	-	-	25,000
Tennessee		O	Vehicles	-	65,000	100,000	100,000	50,000	30,000	400,000
Tennessee		P	Tools and Equipment	-	3,000	2,000	-	2,000	4,000	40,000
Tennessee	SEC	Q	Process Plant Facilities and Equipment	60,000	160,000	340,000	331,203	275,000	200,000	2,631,203
Tennessee	QIIP	R	Capitalized Tank Rehabilitation/Painting	-	10,000	75,000	150,000	200,000	65,000	500,000
Tennessee		S	Engineering Studies	10,000	5,000	-	-	-	-	35,000
Total Recurring Projects				\$ 762,347	\$ 928,847	\$ 1,211,847	\$ 1,258,347	\$ 1,020,347	\$ 644,502	\$ 10,177,559
ACQUISITIONS										
Tennessee			Total Acquisitions	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CENTRALLY SPONSORED PROJECTS										
Tennessee		T26-0202	Business Transformation 2010 - 2014					\$ -	\$ -	\$ -
Tennessee		T26-0203	Business Transformation 2010 - 2014							
Total Centrally Sponsored Projects				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
INVESTMENT PROJECTS										
Tennessee		I26-020017	Electrical Motor Efficiency Enhancement (\$2.9)							\$ -
Tennessee		I26-020027	Construct 1.0MG Tank & 2500-16" ER (\$1.0)							-
Tennessee	QIIP	I26-020028	Citico Plant Improvements Phase 1B (\$8.6)		150,000	250,000	300,000	400,000	500,000	1,600,000
Tennessee	SEC	I26-020032	Wastewater Treatm't & Handling Impr (\$15.3)	300,000	150,000	50,000				7,150,000
Tennessee	EDI	I26-020034	3000'-24" Tennessee River Crossing (\$0.5)							-
Tennessee	SEC	I26-020038	Retire Basin 1							
Tennessee	SEC	I26-020039	Basin 2 Tube Settlers							
Tennessee	SEC	I26-020040	Chlorine Gas Conversion							
Tennessee		I26-000002	Post Acquisition BD Capex							-
Tennessee	QIIP	I26-000001	Whitwell Acquisition Capital Investment							-
Total Investment Projects				\$ 300,000	\$ 300,000	\$ 300,000	\$ 300,000	\$ 400,000	\$ 500,000	\$ 8,750,000
Total Investment and Centrally Sponsored Projects				\$ 300,000	\$ 300,000	\$ 300,000	\$ 300,000	\$ 400,000	\$ 500,000	\$ 8,750,000
Contributions				\$ (20,000)	\$ (20,000)	\$ (20,000)	\$ (20,000)	\$ (20,000)	\$ (20,000)	\$ (240,000)
Advances				(58,333)	(58,333)	(58,333)	(58,333)	(58,333)	(58,333)	(700,000)
Total Refunds				29,167	29,167	29,167	29,167	29,167	29,167	350,000
Gross minus BT				\$ 1,117,347	\$ 1,283,847	\$ 1,561,847	\$ 1,618,347	\$ 1,540,347	\$ 1,244,502	\$ 19,727,559
Net minus BT				(49,167)	(49,167)	(49,167)	(49,167)	(49,167)	(49,167)	(590,000)
Net plus BT				\$ 1,068,180	\$ 1,234,680	\$ 1,512,680	\$ 1,569,180	\$ 1,491,180	\$ 1,195,335	\$ 19,137,559
Gross plus BT										
Net plus BT				\$ 1,117,347	\$ 1,283,847	\$ 1,561,847	\$ 1,618,347	\$ 1,540,347	\$ 1,244,502	\$ 19,727,559
Net plus BT				(49,167)	(49,167)	(49,167)	(49,167)	(49,167)	(49,167)	(590,000)
Net plus BT				\$ 1,068,180	\$ 1,234,680	\$ 1,512,680	\$ 1,569,180	\$ 1,491,180	\$ 1,195,335	\$ 19,137,559

*Dollar amounts from TAWC's Annual Capital Planning Process

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PROGRAM**

Business Unit Tennessee

Revision Date July 14, 2013

Description TN BP 2014-2018 SCEP

Line #	Business Unit No.	Project Title	Account	Account Description	Portion to Account	In-Service (Months)	Dep Rate
1		RECURRING PROJECTS					
2	TN	DV					
3	TN	DV	331001	Transmission & Distribution Mains	95.5%	3	1.25%
4	TN	DV	333000	Services	2.3%	3	1.11%
5			335000	Hydrants	2.2%	3	2.30%
6	TN	A	331001	Transmission & Distribution Mains	100.0%	3	1.25%
7							
8	TN	B	331001	Transmission & Distribution Mains	96.8%	3	1.25%
9	TN	B	333000	Services	2.9%	3	1.11%
10	TN	B	335000	Hydrants	0.3%	3	2.30%
11							
12	TN	C	331001	Transmission & Distribution Mains	100.0%	3	1.25%
13							
14	TN	D	331001	Transmission & Distribution Mains	96.2%	3	1.25%
15	TN	D	333000	Services	0.5%	3	1.11%
16	TN	D	335000	Hydrants	3.3%	3	0.023
17							
18	TN	E	331001	Transmission & Distribution Mains	58.7%	1	1.25%
19	TN	E	335000	Hydrants	41.3%	1	2.30%
20							
21	TN	F	331001	Transmission & Distribution Mains	64.1%	1	1.25%
22	TN	F	335000	Hydrants	35.9%	1	2.30%
23							
24	TN	G	333000	Services	100.0%	1	1.11%
25							
26	TN	H	333000	Services	100.0%	1	1.11%
27							
28	TN	I	334100	Meters	64.2%	1	7.47%
29	TN	I	334200	Meter Installations	35.8%	1	2.73%
30							
31	TN	J	334100	Meters	72.5%	1	7.47%
32	TN	J	334200	Meter Installations	27.5%	1	2.73%
33							
34	TN	K	340200	Computer & Peripheral Equipment	100.0%	1	2.19%
35							
36	TN	L	320100	WT Equip Non-Media			1.09%
37		L	340200	Computer & Peripheral Equipment	100.0%	1	2.19%
38		L	346100	Comm Equip Non-Telephone			4.21%
39		L	346190	Remote Control & Instrument			4.21%

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Business Unit Tennessee

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Description TN BP 2014-2018 SCEP

Line #	Business Unit No.		Project Title	Account	Account Description	Portion to Account	In-Service (Months)	Dep Rate
40								
41	TN	M	Security Equipment and Systems	304500	Structures & Improvement - General	100.0%	1	1.13%
42								
43	TN	N	Offices and Operations Centers	304500	Structures & Improvement - General	100.0%	1	1.13%
44								
45	TN	O	Vehicles	341100	Transportation Equip Lt Duty Trucks	19.3%	1	16.00%
46	TN	O		341200	Transportation Equip Hvy Duty Trucks	63.6%	1	16.62%
47	TN	O		341300	Transportation Equip Autos	17.1%	1	11.38%
48								
49	TN	P	Tools and Equipment	343000	Tools, Shop, Garage Equipment	100.0%	1	6.89%
50								
51	TN	Q	Process Plant Facilities and Equipment	320200	Water Trmt Equip Filter Media	57.6%	1	33.69%
52	TN	Q	Process Plant Facilities and Equipment	311520	Pumping Equipment SOS	21.0%	1	1.83%
53	TN	Q	Process Plant Facilities and Equipment	340200	WT Equip Non-Media	21.3%	1	1.98%
54		Q	Process Plant Facilities and Equipment	304100	Struct & Imp-Supply			1.98%
55		Q	Process Plant Facilities and Equipment	304300	Struct & Imp-Treatment			4.11%
56		Q	Process Plant Facilities and Equipment	309000	Supply Mains			1.87%
57		Q	Process Plant Facilities and Equipment	310000	Power Generation Equip			12.33%
58		Q	Process Plant Facilities and Equipment	311200	Pump Eqp Electric			2.45%
59		Q	Process Plant Facilities and Equipment	320100	WT Equip Non-Media			1.09%
60		Q	Process Plant Facilities and Equipment	344000	Laboratory Equipment			1.01%
61								
62	TN	R	Capitalized Tank Rehabilitation/Painting	330003	Tank Repainting	100.0%	1	11.08%
63		R	Capitalized Tank Rehabilitation/Painting	320100	WT Equip Non-Media			1.09%
64		R	Capitalized Tank Rehabilitation/Painting	330000	Dist Reservoirs & Standpipes			2.08%
65		R	Capitalized Tank Rehabilitation/Painting	330200	Ground Level Tanks			2.74%
66								
67	TN	S	Engineering Studies	331001	Transmission & Distribution Mains	100.0%	1	1.25%
68			Total Recurring Projects					
69								
70			ACQUISITIONS					
71								
72			Total Acquisitions					
73								
74			CENTRALLY SPONSORED PROJECTS					
75	TN	T26-0202	Business Transformation 2010 - 2014	340315	Computer Software Special Deprec Rate		1	10.00%
76	TN	T26-0203	Business Transformation 2010 - 2014	340315	Computer Software Special Deprec Rate		1	10.00%
77			Total Centrally Sponsored Projects					
78								

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**STRATEGIC CAPITAL EXPENDITURE PLAN
PROGRAM**

Business Unit Tennessee
Revision Date July 14, 2013
Description TN BP 2014-2018 SCEP

Line #	Business Unit No.	Project Title	Account	Account Description	Portion to Account	In-Service (Months)	Dep Rate
79		INVESTMENT PROJECTS					
80	TN I26-020016	Meter shop Building Additions				12/31/2016	
81	TN I26-020017	Electrical Motor Efficiency Enhancement (\$2.9)				12/31/2017	
82	TN I26-020019	Interconnects Adjacent Water UD (\$0.6)				12/32/2016	
83	TN I12-020024	Install New Hill City Pumps (\$0.7)				12/31/2017	
84	TN I26-020025	Install 5,700' of 16" - East Braine (\$1.0)				12/31/2016	
85	TN I26-020026	5800'-16" Main in Navajo Dr. (\$1.0)				12/31/2017	
86	TN I26-020027	Construct 1.0MG Tank & 2500-16" ER (\$1.0)					
87	TN I26-020030	5933 lf of 20" Ringgold Rd. at I-75 (\$2.1)				12/31/2013	
88	TN I26-020028	Citico Plant Improvements Phase 1B (\$8.6)				6/30/2015	
89	TN I26-020032	Wastewater Treatm't & Handling Impr (\$4.5)				4/30/2015	
90	TN I26-020033	Convert ER Reservoir to Pump Storag (\$0.25)					
91	TN I26-020034	3000'-24" Tennessee River Crossing (\$0.5)				12/31/2017	
92	TN I26-020035	Repl Lktout Mtn Pump #4 (\$0.9)				12/31/2016	
93	TN I26-020036	New Office Building					
94	TN I26-020022	Post Acquisition BD Capex					
95		IP Project Unbudgeted Capital					
96	TN I26-000001	Whitwell Acquisition Capital Investment	331001	Transmission & Distribution Mains	85.0%	12/31/2014	1.25%
97	TN I26-000001		320200	Water Trmt Equip Filter Media	6.0%	12/31/2014	33.69%
98	TN I26-000001		311520	Pumping Equipment SOS	4.5%	12/31/2014	1.83%
99	TN I26-000001		304200	WT Equip Non-Media	4.5%	12/31/2014	1.98%
100						12/31/2014	
101		Total DV Included:					
102							
103		Total DV Excluded:					
104							
105		Total Surcharge Amt:					
106							
107		SEC Total:					
108							
109		EDI Total:					
110							
111		QIIP Total:					

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PROGRAM**

Business Unit Tennessee

Revision Date July 14, 2013

Description TN BP 2014-2018 SCEP

Line #	Business Unit No.		Project Title	Account	Account Description	Cumulative Bal of In-Serviced Plant, from 2014 Capex, by Period					
						1	2	3	4	5	6
1			RECURRING PROJECTS								
2	TN	DV	Projects Funded by Others	331001	Transmission & Distribution Mains	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
3	TN	DV		333000	Services	-	-	-	-	-	-
4	TN	DV		335000	Hydrants	-	-	-	-	-	-
5											
6	TN	A	Mains - New	331001	Transmission & Distribution Mains	-	-	-	-	-	-
7											
8	TN	B	Mains - Replaced / Restored	331001	Transmission & Distribution Mains	-	-	-	153,237	240,102	255,025
9	TN	B		333000	Services	-	-	-	-	-	420
10	TN	B		335000	Hydrants	-	-	-	-	-	62
11											
12	TN	C	Mains - Unscheduled	331001	Transmission & Distribution Mains	114,817	265,914	272,759	343,073	380,983	465,028
13											
14	TN	D	Mains - Relocated	331001	Transmission & Distribution Mains	-	28,675	28,981	52,937	45,493	48,823
15	TN	D		333000	Services	-	-	-	-	-	49
16	TN	D		335000	Hydrants	-	-	-	-	-	-
17											
18	TN	E	Hydrants, Valves, and Manholes - New	331001	Transmission & Distribution Mains	(512)	195	296	7,823	3,829	17,211
19	TN	E		335000	Hydrants	3,632	9,201	8,650	19,638	23,616	24,503
20											
21	TN	F	Hydrants, Valves, and Manholes - Replaced	331001	Transmission & Distribution Mains	-	46	46	46	46	46
22	TN	F		335000	Hydrants	15,431	20,842	35,359	56,411	64,908	87,833
23											
24	TN	G	Services and Laterals - New	333000	Services	44,756	84,381	101,390	152,399	244,096	321,918
25											
26	TN	H	Services and Laterals - Replaced	333000	Services	105,368	140,227	135,979	159,336	130,073	225,386
27											
28	TN	I	Meters - New	334100	Meters	7,582	65,121	72,752	77,927	89,762	97,063
29	TN	I		334200	Meter Installations	15,482	(22,304)	(8,520)	5,676	33,212	50,312
30											
31	TN	J	Meters - Replaced	334100	Meters	8,882	16,339	28,311	31,043	34,602	38,468
32	TN	J		334200	Meter Installations	5,291	9,502	20,582	37,444	50,251	76,288
33											
34	TN	K	ITS Equipment and Systems	340200	Computer & Peripheral Equipment	-	-	-	-	-	-
35											
36	TN	L	SCADA Equipment and Systems	320100	WT Equip Non-Media	-	-	-	217,982	224,891	224,891
37		L	SCADA Equipment and Systems	340200	Computer & Peripheral Equipment	-	-	-	-	-	-
38		L	SCADA Equipment and Systems	346100	Comm Equip Non-Telephone	-	-	-	-	-	-
39		L	SCADA Equipment and Systems	346190	Remote Control & Instrument	-	-	-	-	-	-

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STRATEGIC CAPITAL EXPENDITURE PLAN PROGRAM

Business Unit Tennessee

Revision Date July 14, 2013

Description	TN BP 2014-2018 SCEP

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**STRATEGIC CAPITAL EXPENDITURE PLAN
PROGRAM**

Business Unit Tennessee
Revision Date July 14, 2013
Description TN BP 2014-2018 SCEP

Line #	Business Unit No.	Project Title	Account	Account Description	Cumulative Bal of In-Serviced Plant, from 2014 Capex, by Period					
					1	2	3	4	5	6
79		INVESTMENT PROJECTS								
80	TN	I26-020016		Meter shop Building Additions						
81	TN	I26-020017		Electrical Motor Efficiency Enhancement (\$2.9)						
82	TN	I26-020019		Interconnects Adjacent Water UD (\$0.6)						
83	TN	I12-020024		Install New Hill City Pumps (\$0.7)						
84	TN	I26-020025		Install 5,700' of 16"- East Braine (\$1.0)						
85	TN	I26-020026		5800'-16" Main in Navajo Dr. (\$1.0)						
86	TN	I26-020027		Construct 1.0MG Tank & 2500-16" ER (\$1.0)						
87	TN	I26-020030		5933 lf of 20" Ringgold Rd. at I-75 (\$2.1)						
88	TN	I26-020028		Citico Plant Improvements Phase 1B (\$8.6)						
89	TN	I26-020032		Wastewater Treatm't & Handling Impr (\$4.5)						
90	TN	I26-020033		Convert ER Reservoir to Pump Storag (\$0.25)						
91	TN	I26-020034		3000'-24" Tennessee River Crossing (\$0.5)						
92	TN	I26-020035		Repl Lktout Mtn Pump #4 (\$0.9)						
93	TN	I26-020036		New Office Building						
94	TN	I26-020022		Post Acquisition BD Capex						
95				IP Project Unbudgeted Capital						
96	TN	I26-000001	331001	Whitwell Acquisition Capital Investment						
97	TN	I26-000001	320200	Transmission & Distribution Mains						
98	TN	I26-000001	311520	Water Trmt Equip Filter Media						
99	TN	I26-000001	304200	Pumping Equipment SOS						
				WT Equip Non-Media						
100										
101				Total DV Included:						
102										
103				Total DV Excluded:						
104										
105				Total Surcharge Amt:						
106										
107				SEC Total:						
108										
109				EDI Total:						
110										
111				QIIP Total:						

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Business Unit Tennessee

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Description TN BP 2014-2018 SCEP

					Cumulative Bal of In-Serviced Plant, from 2014 Capex, by Period						
Line #	Business Unit No.		Project Title	Account	Account Description	7	8	9	10	11	12
1			RECURRING PROJECTS								
2	TN	DV	Projects Funded by Others	331001	Transmission & Distribution Mains	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
3	TN	DV		333000	Services	-	-	-	-	-	-
4	TN	DV		335000	Hydrants	-	-	-	-	-	-
5											
6	TN	A	Mains - New	331001	Transmission & Distribution Mains	-	-	-	-	-	-
7											
8	TN	B	Mains - Replaced / Restored	331001	Transmission & Distribution Mains	388,412	383,778	375,210	367,065	480,118	804,983
9	TN	B		333000	Services	470	732	637	546	546	22,175
10	TN	B		335000	Hydrants	107	299	229	163	163	27,283
11											
12	TN	C	Mains - Unscheduled	331001	Transmission & Distribution Mains	579,783	646,123	699,169	820,228	855,741	979,105
13											
14	TN	D	Mains - Relocated	331001	Transmission & Distribution Mains	48,896	48,896	48,896	48,896	48,896	69,181
15	TN	D		333000	Services	50	50	50	50	50	288
16	TN	D		335000	Hydrants	-	-	-	-	-	-
17											
18	TN	E	Hydrants, Valves, and Manholes - New	331001	Transmission & Distribution Mains	17,441	21,134	24,461	24,247	23,971	23,936
19	TN	E		335000	Hydrants	27,726	28,620	31,001	30,848	37,387	38,569
20											
21	TN	F	Hydrants, Valves, and Manholes - Replaced	331001	Transmission & Distribution Mains	46	4,848	3,864	3,474	4,885	21,480
22	TN	F		335000	Hydrants	117,885	188,423	171,634	168,833	195,847	219,103
23											
24	TN	G	Services and Laterals - New	333000	Services	357,985	493,109	506,143	601,893	745,053	709,660
25											
26	TN	H	Services and Laterals - Replaced	333000	Services	165,404	288,143	277,696	340,351	410,631	442,503
27											
28	TN	I	Meters - New	334100	Meters	114,401	120,513	123,951	129,873	134,440	136,631
29	TN	I		334200	Meter Installations	69,249	118,334	112,656	127,412	139,539	144,915
30											
31	TN	J	Meters - Replaced	334100	Meters	43,942	43,095	43,095	43,095	43,095	43,095
32	TN	J		334200	Meter Installations	154,615	266,341	401,723	548,185	604,343	618,384
33											
34	TN	K	ITS Equipment and Systems	340200	Computer & Peripheral Equipment	-	-	-	-	-	-
35											
36	TN	L	SCADA Equipment and Systems	320100	WT Equip Non-Media	224,891	268,337	268,337	268,337	268,337	268,337
37		L	SCADA Equipment and Systems	340200	Computer & Peripheral Equipment	-	-	17,356	17,205	17,205	17,205
38		L	SCADA Equipment and Systems	346100	Comm Equip Non-Telephone	-	-	60,940	57,305	57,305	57,328
39		L	SCADA Equipment and Systems	346190	Remote Control & Instrument	-	-	142,541	133,433	149,762	144,865

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**STRATEGIC CAPITAL EXPENDITURE PLAN
PROGRAM**

Business Unit Tennessee
Revision Date July 14, 2013
Description TN BP 2014-2018 SCEP

Line #	Business Unit No.	Project Title	Account	Account Description	Cumulative Bal of In-Serviced Plant, from 2014 Capex, by Period					
					7	8	9	10	11	12
79		INVESTMENT PROJECTS								
80	TN	I26-020016		Meter shop Building Additions						
81	TN	I26-020017		Electrical Motor Efficiency Enhancement (\$2.9)						
82	TN	I26-020019		Interconnects Adjacent Water UD (\$0.6)						
83	TN	I12-020024		Install New Hill City Pumps (\$0.7)						
84	TN	I26-020025		Install 5,700' of 16"- East Braine (\$1.0)						
85	TN	I26-020026		5800'-16" Main in Navajo Dr. (\$1.0)						
86	TN	I26-020027		Construct 1.0MG Tank & 2500-16" ER (\$1.0)						
87	TN	I26-020030		5933 lf of 20" Ringgold Rd. at I-75 (\$2.1)						
88	TN	I26-020028		Citico Plant Improvements Phase 1B (\$8.6)						
89	TN	I26-020032		Wastewater Treatm't & Handling Impr (\$4.5)						
90	TN	I26-020033		Convert ER Reservoir to Pump Storag (\$0.25)						
91	TN	I26-020034		3000'-24" Tennessee River Crossing (\$0.5)						
92	TN	I26-020035		Repl Lktout Mtn Pump #4 (\$0.9)						
93	TN	I26-020036		New Office Building						
94	TN	I26-020022		Post Acquisition BD Capex						
95				IP Project Unbudgeted Capital						
96	TN	I26-000001	331001	Whitwell Acquisition Capital Investment						
97	TN	I26-000001	320200	Transmission & Distribution Mains						
98	TN	I26-000001	311520	Water Trmt Equip Filter Media						
99	TN	I26-000001	304200	Pumping Equipment SOS						
				WT Equip Non-Media						
100										
101				Total DV Included:						<u>\$ 15,628,999</u>
102										
103				Total DV Excluded:						<u>\$ 15,628,999</u>
104										
105				Total Surcharge Amt:						<u>\$ 6,823,293</u>
106										
107				SEC Total:						<u>\$ 1,153,147</u>
108										
109				EDI Total:						<u>\$ 62,504</u>
110										
111				QIIP Total:						<u>\$ 5,607,642</u>

Tennessee American Water Company
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STRATEGIC CAPITAL EXPENDITURE PLAN
PROGRAM

Business Unit Tennessee
Revision Date July 14, 2013
Description TN BP 2014-2018 SCEP

Line #	Business Unit No.		Project Title	Account	Account Description	Surcharge	Amounts for Surcharge				
							Average Plant in Service	Average Retires (Replacement Projects Only)	Average CIAC	Depreciation Expense	Cost of Removal Less Salvage
1			RECURRING PROJECTS								
2	TN	DV	Projects Funded by Others	331001	Transmission & Distribution Mains		\$ -	\$ -		\$ -	\$ -
3	TN	DV		333000	Services		-	-		-	-
4	TN	DV		335000	Hydrants		-	-		-	-
5											
6	TN	A	Mains - New	331001	Transmission & Distribution Mains	EDI	-	-		-	-
7											
8	TN	B	Mains - Replaced / Restored	331001	Transmission & Distribution Mains	QIIP	287,327	-		2,753	344
9	TN	B		333000	Services	QIIP	2,127	-		3	447
10	TN	B		335000	Hydrants	QIIP	2,359	-		2	-
11											
12	TN	C	Mains - Unscheduled	331001	Transmission & Distribution Mains	QIIP	535,227	(2,997)		5,637	12,674
13											
14	TN	D	Mains - Relocated	331001	Transmission & Distribution Mains	QIIP	43,214	-		468	505
15	TN	D		333000	Services	QIIP	49	-		0	359
16	TN	D		335000	Hydrants	QIIP	-	-		-	-
17											
18	TN	E	Hydrants, Valves, and Manholes - New	331001	Transmission & Distribution Mains	EDI	13,669	-		146	-
19	TN	E		335000	Hydrants	EDI	23,616	-		469	-
20											
21	TN	F	Hydrants, Valves, and Manholes - Replaced	331001	Transmission & Distribution Mains	QIIP	3,235	-		18	-
22	TN	F		335000	Hydrants	QIIP	111,876	-		2,153	-
23										-	-
24	TN	G	Services and Laterals - New	333000	Services		363,565	-		3,379	-
25											
26	TN	H	Services and Laterals - Replaced	333000	Services	QIIP	235,091	-		2,200	-
27											
28	TN	I	Meters - New	334100	Meters		97,501	-		6,433	-
29	TN	I		334200	Meter Installations		65,497	-		1,458	-
30											
31	TN	J	Meters - Replaced	334100	Meters	QIIP	34,755	-		2,328	-
32	TN	J		334200	Meter Installations	QIIP	232,746	(1,603)		4,908	21,982
33										-	-
34	TN	K	ITS Equipment and Systems	340200	Computer & Peripheral Equipment		-	-		-	-
35											
36	TN	L	SCADA Equipment and Systems	320100	WT Equip Non-Media	SEC	186,195	(6,182)		1,730	2,244
37		L	SCADA Equipment and Systems	340200	Computer & Peripheral Equipment	SEC	5,748	-		94	-
38		L	SCADA Equipment and Systems	346100	Comm Equip Non-Telephone	SEC	19,407	-		616	-
39		L	SCADA Equipment and Systems	346190	Remote Control & Instrument	SEC	47,550	-		1,494	-

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Description TN BP 2014-2018 SCEP

Line #	Business Unit No.	Project Title	Account	Account Description	Surcharge	Amounts for Surcharge				
						Average Plant in Service	Average Retires (Replacement Projects Only)	Average CIAC	Depreciation Expense	Cost of Removal Less Salvage
79		INVESTMENT PROJECTS								
80	TN	I26-020016		Meter shop Building Additions						
81	TN	I26-020017		Electrical Motor Efficiency Enhancement (\$2.9)					0	
82	TN	I26-020019		Interconnects Adjacent Water UD (\$0.6)						
83	TN	I12-020024		Install New Hill City Pumps (\$0.7)	SEC					
84	TN	I26-020025		Install 5,700' of 16" - East Braine (\$1.0)						
85	TN	I26-020026		5800'-16" Main in Navajo Dr. (\$1.0)						
86	TN	I26-020027		Construct 1.0MG Tank & 2500-16" ER (\$1.0)						
87	TN	I26-020030		5933 If of 20" Ringgold Rd. at I-75 (\$2.1)						
88	TN	I26-020028		Citico Plant Improvements Phase 1B (\$8.6)	QIIP				0	
89	TN	I26-020032		Wastewater Treatm't & Handling Impr (\$4.5)	SEC				0	
90	TN	I26-020033		Convert ER Reservoir to Pump Storag (\$0.25)						
91	TN	I26-020034		3000'-24" Tennessee River Crossing (\$0.5)	EDI				0	
92	TN	I26-020035		Repl Lktout Mtn Pump #4 (\$0.9)						
93	TN	I26-020036		New Office Building						
94	TN	I26-020022		Post Acquisition BD Capex						
95				IP Project Unbudgeted Capital						
96	TN	I26-000001	331001	Whitwell Acquisition Capital Investment	QIIP	-			0	
97	TN	I26-000001	320200	Water Trmt Equip Filter Media	QIIP	-			0	
98	TN	I26-000001	311520	Pumping Equipment SOS	QIIP	-			0	
99	TN	I26-000001	304200	WT Equip Non-Media	QIIP	-			0	
100										
101		Total DV Included:				<u>\$ 3,700,168</u>	<u>\$ (53,678)</u>	<u>\$ -</u>	<u>\$ 51,050</u>	<u>\$ 40,137</u>
102										
103		Total DV Excluded:				<u>\$ 3,700,168</u>	<u>\$ (53,678)</u>	<u>\$ -</u>	<u>\$ 51,050</u>	<u>\$ 40,137</u>
104										
105		Total Surcharge Amt:				<u>\$ 3,173,604</u>	<u>\$ (53,678)</u>	<u>\$ -</u>	<u>\$ 39,780</u>	<u>\$ 40,137</u>
106										
107		SEC Total:				<u>\$ 451,081</u>	<u>\$ (48,817)</u>	<u>\$ -</u>	<u>\$ 7,686</u>	<u>\$ 3,256</u>
108										
109		EDI Total:				<u>\$ 37,285</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 615</u>	<u>\$ -</u>
110										
111		QIIP Total:				<u>\$ 2,685,237</u>	<u>\$ (4,860)</u>	<u>\$ -</u>	<u>\$ 31,478</u>	<u>\$ 36,881</u>

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Line #	Business Unit No.	Project Title	Account	Account Description	Tax Depr class life	Tax Depr Rate	Tax Depreciation	Tax over Book Depreciation	Tax Rate	Depreciation Deferred Tax (DTA, (DTL))	NOTES
1		RECURRING PROJECTS									
2	TN	DV	Projects Funded by Others	331001	Transmission & Distribution Mains	25 yr	0.02	\$ -	\$ -	0.39225	\$ - This should be zero if related to non
3	TN	DV		333000	Services	25 yr	0.02	-	-	0.39225	- This should be zero if related to non
4	TN	DV		335000	Hydrants	25 yr	0.02	-	-	0.39225	- This should be zero if related to non
5											
6	TN	A	Mains - New	331001	Transmission & Distribution Mains	25 yr	0.02	-	-	0.39225	-
7											
8	TN	B	Mains - Replaced / Restored	331001	Transmission & Distribution Mains	25 yr	0.02	4,405	1,652	0.39225	(648)
9	TN	B		333000	Services	25 yr	0.02	6	2	0.39225	(1)
10	TN	B		335000	Hydrants	25 yr	0.02	2	(0)	0.39225	0
11											
12	TN	C	Mains - Unscheduled	331001	Transmission & Distribution Mains	25 yr	0.02	9,019	3,382	0.39225	(1,327)
13											
14	TN	D	Mains - Relocated	331001	Transmission & Distribution Mains	25 yr	0.02	749	281	0.39225	(110)
15	TN	D		333000	Services	25 yr	0.02	0	0	0.39225	(0)
16	TN	D		335000	Hydrants	25 yr	0.02	-	-	0.39225	-
17											
18	TN	E	Hydrants, Valves, and Manholes - New	331001	Transmission & Distribution Mains	25 yr	0.02	233	88	0.39225	(34)
19	TN	E		335000	Hydrants	25 yr	0.02	408	(61)	0.39225	24
20											
21	TN	F	Hydrants, Valves, and Manholes - Replaced	331001	Transmission & Distribution Mains	25 yr	0.02	29	11	0.39225	(4)
22	TN	F		335000	Hydrants	25 yr	0.02	1,872	(281)	0.39225	110
23											
24	TN	G	Services and Laterals - New	333000	Services	25 yr	0.02	6,089	2,709	0.39225	(1,063)
25											
26	TN	H	Services and Laterals - Replaced	333000	Services	25 yr	0.02	3,964	1,764	0.39225	(692)
27											
28	TN	I	Meters - New	334100	Meters	25 yr	0.02	1,722	(4,711)	0.39225	1,848
29	TN	I		334200	Meter Installations	25 yr	0.02	1,068	(390)	0.39225	153
30											
31	TN	J	Meters - Replaced	334100	Meters	25 yr	0.02	623	(1,705)	0.39225	669
32	TN	J		334200	Meter Installations	25 yr	0.02	3,595	(1,312)	0.39225	515
33											
34	TN	K	ITS Equipment and Systems	340200	Computer & Peripheral Equipment	5 yr	0.2	-	-	0.39225	-
35											
36	TN	L	SCADA Equipment and Systems	320100	WT Equip Non-Media	25 yr	0.02	3,174	1,444	0.39225	(566)
37		L	SCADA Equipment and Systems	340200	Computer & Peripheral Equipment	5 yr	0.2	863	768	0.39225	(301)
38		L	SCADA Equipment and Systems	346100	Comm Equip Non-Telephone	5 yr	0.2	2,926	2,310	0.39225	(906)
39		L	SCADA Equipment and Systems	346190	Remote Control & Instrument	5 yr	0.2	7,096	5,602	0.39225	(2,197)

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**STRATEGIC CAPITAL EXPENDITURE PLAN
PROGRAM**

Business Unit Tennessee
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Line #	Business Unit No.	Project Title	Account	Account Description	Tax Depr class life	Tax Depr Rate	Tax Depreciation	Tax over Book Depreciation	Tax Rate	Depreciation Deferred Tax (DTA, (DTL))	NOTES
79		INVESTMENT PROJECTS									
80	TN	I26-020016		Meter shop Building Additions							
81	TN	I26-020017		Electrical Motor Efficiency Enhancement (\$2.9)							
82	TN	I26-020019		Interconnects Adjacent Water UD (\$0.6)							
83	TN	I12-020024		Install New Hill City Pumps (\$0.7)							
84	TN	I26-020025		Install 5,700' of 16"- East Braine (\$1.0)							
85	TN	I26-020026		5800'-16" Main in Navajo Dr. (\$1.0)							
86	TN	I26-020027		Construct 1.0MG Tank & 2500-16" ER (\$1.0)							
87	TN	I26-020030		5933 lf of 20" Ringgold Rd. at I-75 (\$2.1)							
88	TN	I26-020028		Citico Plant Improvements Phase 1B (\$8.6)							
89	TN	I26-020032		Wastewater Treatm't & Handling Impr (\$4.5)							
90	TN	I26-020033		Convert ER Reservoir to Pump Storag (\$0.25)							
91	TN	I26-020034		3000'-24" Tennessee River Crossing (\$0.5)							
92	TN	I26-020035		Repl Lktout Mtn Pump #4 (\$0.9)							
93	TN	I26-020036		New Office Building							
94	TN	I26-020022		Post Acquisition BD Capex							
95				IP Project Unbudgeted Capital							
96	TN	I26-000001	331001	Whitwell Acquisition Capital Investment	Transmission & Distribution Mains	25 yr	0.02	-	-	0.39225	
97	TN	I26-000001	320200		Water Trmt Equip Filter Media	25 yr	0.02	-	-	0.39225	
98	TN	I26-000001	311520		Pumping Equipment SOS	25 yr	0.02	-	-	0.39225	
99	TN	I26-000001	304200		WT Equip Non-Media	5 yr	0.2	-	-	0.39225	
100											
101		Total DV Included:					\$ 73,156	\$ 22,106		\$ (8,671)	See note under DV above
102											
103		Total DV Excluded:					\$ 73,156	\$ 22,106		\$ (8,671)	
104											
105		Total Surcharge Amt:					\$ 64,277	\$ 24,497		\$ (9,609)	
106											
107		SEC Total:					\$ 19,363	\$ 11,677		\$ (4,580)	
108											
109		EDI Total:					\$ 642	\$ 26		\$ (10)	
110											
111		QIIP Total:					\$ 44,272	\$ 12,794		\$ (5,018)	

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Business Unit Tennessee

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Line #	Business Unit No.	Project Title	Account	Account Description	Average Accum Dep	Average Depreciation Deferred Tax (DTA, (DTL))	Actual Retirements	Actual COR Less Salvage
1		RECURRING PROJECTS						
2	TN	DV	Projects Funded by Others	331001	Transmission & Distribution Mains	-taxable CIAC	-	\$ -
3	TN	DV		333000	Services	-taxable CIAC	-	-
4	TN	DV		335000	Hydrants	-taxable CIAC	-	-
5								
6	TN	A	Mains - New	331001	Transmission & Distribution Mains		-	-
7								
8	TN	B	Mains - Replaced / Restored	331001	Transmission & Distribution Mains	(890)	(209)	-
9	TN	B		333000	Services	(1)	(0)	-
10	TN	B		335000	Hydrants	(1)	0	-
11								
12	TN	C	Mains - Unscheduled	331001	Transmission & Distribution Mains	(2,128)	(501)	(3,996)
13								
14	TN	D	Mains - Relocated	331001	Transmission & Distribution Mains	(201)	(47)	-
15	TN	D		333000	Services	(0)	(0)	-
16	TN	D		335000	Hydrants	-	-	-
17								
18	TN	E	Hydrants, Valves, and Manholes - New	331001	Transmission & Distribution Mains	(44)	(10)	-
19	TN	E		335000	Hydrants	(180)	9	-
20								
21	TN	F	Hydrants, Valves, and Manholes - Replaced	331001	Transmission & Distribution Mains	(4)	(1)	-
22	TN	F		335000	Hydrants	(722)	37	-
23								
24	TN	G	Services and Laterals - New	333000	Services	(1,105)	(348)	-
25								
26	TN	H	Services and Laterals - Replaced	333000	Services	(865)	(272)	-
27								
28	TN	I	Meters - New	334100	Meters	(2,616)	752	-
29	TN	I		334200	Meter Installations	(380)	40	-
30								
31	TN	J	Meters - Replaced	334100	Meters	(979)	281	-
32	TN	J		334200	Meter Installations	(1,157)	121	(1,923)
33								
34	TN	K	ITS Equipment and Systems	340200	Computer & Peripheral Equipment	-	-	-
35								
36	TN	L	SCADA Equipment and Systems	320100	WT Equip Non-Media	(627)	(205)	(12,365)
37		L	SCADA Equipment and Systems	340200	Computer & Peripheral Equipment	(16)	(50)	-
38		L	SCADA Equipment and Systems	346100	Comm Equip Non-Telephone	(104)	(153)	-
39		L	SCADA Equipment and Systems	346190	Remote Control & Instrument	(247)	(363)	-

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Business Unit Tennessee

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Line #	Business Unit No.	Project Title	Account	Account Description	Average Accum Dep	Average Depreciation Deferred Tax (DTA, (DTL))	Actual Retirements	Actual COR Less Salvage
40								
41	TN	M	Security Equipment and Systems	304500	Structures & Improvement - General	-	-	-
42								
43	TN	N	Offices and Operations Centers	304500	Structures & Improvement - General	-	-	-
44								
45	TN	O	Vehicles	341100	Transportation Equip Lt Duty Trucks	-	-	-
46	TN	O		341200	Transportation Equip Hvy Duty Trucks	-	-	-
47	TN	O		341300	Transportation Equip Autos	-	-	-
48								
49	TN	P	Tools and Equipment	343000	Tools, Shop, Garage Equipment	-	-	-
50								
51	TN	Q	Process Plant Facilities and Equipment	320200	Water Trmt Equip Filter Media	-	-	-
52	TN	Q	Process Plant Facilities and Equipment	311520	Pumping Equipment SOS	(420)	(15)	(33,609)
53	TN	Q	Process Plant Facilities and Equipment	340200	WT Equip Non-Media	-	-	-
54		Q	Process Plant Facilities and Equipment	304100	Struct & Imp-Supply	(140)	(16)	-
55		Q	Process Plant Facilities and Equipment	304300	Struct & Imp-Treatment	14	(3)	(4,987)
56		Q	Process Plant Facilities and Equipment	309000	Supply Mains	(19)	8	-
57		Q	Process Plant Facilities and Equipment	310000	Power Generation Equip	(783)	(191)	-
58		Q	Process Plant Facilities and Equipment	311200	Pump Eqp Electric	28	(2)	(5,857)
59		Q	Process Plant Facilities and Equipment	320100	WT Equip Non-Media	(82)	(27)	(13,091)
60		Q	Process Plant Facilities and Equipment	344000	Laboratory Equipment	11	4	(147,279)
61								
62	TN	R	Capitalized Tank Rehabilitation/Painting	330003	Tank Repainting	-	-	-
63		R	Capitalized Tank Rehabilitation/Painting	320100	WT Equip Non-Media	(2,697)	(883)	-
64		R	Capitalized Tank Rehabilitation/Painting	330000	Dist Reservoirs & Standpipes	(75)	1	-
65		R	Capitalized Tank Rehabilitation/Painting	330200	Ground Level Tanks	2	(0)	(446)
66								
67	TN	S	Engineering Studies	331001	Transmission & Distribution Mains	-	-	-
68			Total Recurring Projects					
69								
70			ACQUISITIONS					
71								
72			Total Acquisitions					
73								
74			CENTRALLY SPONSORED PROJECTS					
75	TN	T26-0202	Business Transformation 2010 - 2014	340315	Computer Software Special Deprec Rate		-	-
76	TN	T26-0203	Business Transformation 2010 - 2014	340315	Computer Software Special Deprec Rate			
77			Total Centrally Sponsored Projects					
78								

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Line #	Business Unit No.	Project Title	Account	Account Description	Average Accum Dep	Average Depreciation Deferred Tax (DTA, (DTL))	Actual Retirements	Actual COR Less Salvage
79		INVESTMENT PROJECTS						
80	TN	I26-020016		Meter shop Building Additions				
81	TN	I26-020017		Electrical Motor Efficiency Enhancement (\$2.9)				
82	TN	I26-020019		Interconnects Adjacent Water UD (\$0.6)				
83	TN	I12-020024		Install New Hill City Pumps (\$0.7)				
84	TN	I26-020025		Install 5,700' of 16" - East Braine (\$1.0)				
85	TN	I26-020026		5800'-16" Main in Navajo Dr. (\$1.0)				
86	TN	I26-020027		Construct 1.0MG Tank & 2500'-16" ER (\$1.0)				
87	TN	I26-020030		5933 If of 20" Ringgold Rd. at I-75 (\$2.1)				
88	TN	I26-020028		Citico Plant Improvements Phase 1B (\$8.6)				
89	TN	I26-020032		Wastewater Treatm't & Handling Impr (\$4.5)				
90	TN	I26-020033		Convert ER Reservoir to Pump Storag (\$0.25)				
91	TN	I26-020034		3000'-24" Tennessee River Crossing (\$0.5)				
92	TN	I26-020035		Repl Lktout Mtn Pump #4 (\$0.9)				
93	TN	I26-020036		New Office Building				
94	TN	I26-020022		Post Acquisition BD Capex				
95				IP Project Unbudgeted Capital				
96	TN	I26-000001	331001	Whitwell Acquisition Capital Investment				
97	TN	I26-000001	320200	Transmission & Distribution Mains				
98	TN	I26-000001	311520	Water Trmt Equip Filter Media				
99	TN	I26-000001	304200	Pumping Equipment SOS				
				WT Equip Non-Media				
100								
101				Total DV Included:	<u>\$ (16,430)</u>	<u>\$ (2,045)</u>	<u>\$ (223,553)</u>	<u>\$ 67,768</u>
102								
103				Total DV Excluded:	<u>\$ (16,430)</u>	<u>\$ (2,045)</u>	<u>\$ (223,553)</u>	<u>\$ 67,768</u>
104								
105				Total Surcharge Amt:	<u>\$ (12,328)</u>	<u>\$ (2,489)</u>	<u>\$ (223,553)</u>	<u>\$ 67,768</u>
106								
107				SEC Total:	<u>\$ (2,386)</u>	<u>\$ (1,014)</u>	<u>\$ (217,187)</u>	<u>\$ 8,550</u>
108								
109				EDI Total:	<u>\$ (224)</u>	<u>\$ (1)</u>	<u>\$ -</u>	<u>\$ -</u>
110								
111				QIIP Total:	<u>\$ (9,719)</u>	<u>\$ (1,474)</u>	<u>\$ (6,366)</u>	<u>\$ 59,218</u>

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Revision Date July 14, 2013
Description TN BP 2014-2018 SCEP

Business Unit	Surcharge Category	Business Unit No.	Project Title	2014	Period 1	2	3	4	5	6
RECURRING PROJECTS										
Tennessee		DV	Projects Funded by Others	\$ 50,000	\$ 80,000	\$ 100,000	\$ 140,000	\$ 160,000	\$ 180,000	
				112,757	91,378	76,667	106,667	133,333	160,000	
Tennessee	EDI	A	Mains - New	-	-	-	-	8,000	15,000	20,000
Tennessee	QIIP	B	Mains - Replaced / Restored	25,000	45,000	75,000	125,000	150,000	200,000	
Tennessee	QIIP	C	Mains - Unscheduled	62,000	80,000	95,000	36,000	50,000	80,000	
Tennessee	QIIP	D	Mains - Relocated	-	-	10,000	20,000	40,000	70,000	
Tennessee	EDI	E	Hydrants, Valves, and Manholes - New	-	-	4,000	6,000	5,000	4,797	
Tennessee	QIIP	F	Hydrants, Valves, and Manholes - Replaced	5,000	15,000	30,000	40,000	45,000	65,000	
Tennessee	EDI	G	Services and Laterals - New	19,660	22,880	32,880	36,270	46,270	59,490	
Tennessee	QIIP	H	Services and Laterals - Replaced	18,200	18,200	18,200	18,200	18,300	18,300	
Tennessee	EDI	I	Meters - New	40,000	40,000	48,000	52,000	58,000	58,015	
Tennessee	QIIP	J	Meters - Replaced	45,000	45,000	60,385	60,385	60,385	60,385	
Tennessee		K	ITS Equipment and Systems	-	5,000	10,000	15,000	10,000	5,000	
Tennessee	SEC	L	SCADA Equipment and Systems	5,000	10,000	15,000	25,000	20,000	15,000	
Tennessee	SEC	M	Security Equipment and Systems	10,833	10,833	10,833	10,833	10,833	10,833	
Tennessee		N	Offices and Operations Centers	-	-	-	-	-	1,200	
Tennessee	EDI	O	Vehicles	-	-	-	-	-	30,000	
Tennessee		P	Tools and Equipment	-	-	-	-	3,360	7,000	
Tennessee	SEC	Q	Process Plant Facilities and Equipment	37,500	37,500	75,000	75,000	75,000	75,000	
Tennessee	QIIP	R	Capitalized Tank Rehabilitation/Painting	10,000	50,000	120,000	70,000	20,000	5,000	
Tennessee		S	Engineering Studies	10,000	15,554	15,000	10,000	10,000	5,000	
			Total Recurring Projects	-	-	-	-	-	-	
ACQUISITIONS										
Tennessee			Total Acquisitions	-	-	-	-	-	-	
CENTRALLY SPONSORED PROJECTS										
Tennessee		T26-0202	Business Transformation 2010 - 2014	39,782	38,775	38,699				
Tennessee		T26-0203	Business Transformation 2010 - 2014							
			Total Centrally Sponsored Projects	<u>\$ 39,782</u>	<u>\$ 38,775</u>	<u>\$ 38,699</u>	-	-	-	
INVESTMENT PROJECTS										
			Total		In Service					
			Date							
Tennessee		I26-020016	Metershop Building Additions	1,300,000	12/31/16					
Tennessee		I26-020017	Electrical Motor Efficiency Enhancement (\$2.9)	2,900,000	12/31/17					
Tennessee		I26-020019	Interconnects Adjacent Water UD (\$0.6)	600,000	12/31/16					
Tennessee	SEC	I12-020024	Install New Hill City Pumps (\$0.7)	700,000	12/31/17					
Tennessee		I26-020025	Install 5,700' of 16" East Braine (\$1.0)	1,000,000	12/31/16					
Tennessee		I26-020026	5800' -16" Main in Navajo Dr. (\$1.0)	1,000,000	12/31/17					
Tennessee		I26-020027	Construct 1.0MG Tank & 2500-16" ER (\$1.0)	-						
Tennessee		I26-020030	5933 If of 20" Ringold Rd. at I-75 (\$2.1)	1,000,000	12/31/13					
Tennessee	QIIP	I26-020031	Citico Plant Improvements Phase 1B (\$8.6)	4,500,000	6/30/15				15,000	35,000
Tennessee	SEC	I26-020032	Wastewater Treatm't & Handling Impr (\$4.5)	900,000	4/30/15	20,000	25,000	35,000	30,000	50,000
Tennessee		I26-020033	Convert ER Reservoir to Pump Storag (\$0.25)	-						
Tennessee	EDI	I26-020034	3000'-24" Tennessee River Crossing (\$0.5)	500,000	12/31/17					
Tennessee	QIIP	I26-020035	Repl Lktout Mtn Pump #4 (\$0.9)	900,000	12/31/16					
Tennessee		I26-020036	New Office Building	-						
Tennessee		I26-020022	Post Acquisition BD Capex	1,080,000		20,286	20,286	20,286	20,286	20,286
Tennessee			IP Project Unbudgeted Capital							
Tennessee	QIIP		Whitwell Acquisition Capital Investment	1,200,000	12/31/14	20,000	40,000	40,000	60,000	80,000
			Total Investment Projects	<u>\$ 60,286</u>	<u>\$ 85,286</u>	<u>\$ 95,286</u>	<u>\$ 110,286</u>	<u>\$ 130,286</u>	<u>\$ 225,286</u>	
			Total Investment and Centrally Sponsored Projects	<u>\$ 100,068</u>	<u>\$ 124,061</u>	<u>\$ 133,985</u>	<u>\$ 110,286</u>	<u>\$ 130,286</u>	<u>\$ 225,286</u>	
			Contributions	(80,000)	(90,000)	(110,000)	(90,000)	(80,000)	(90,000)	
			Advances	(20,000)	(20,000)	(30,000)	(40,000)	(50,000)	(50,000)	
			Total Refunds	20,000	30,000	40,000	60,000	40,000	35,000	
			Gross minus BT	<u>\$ 110,286</u>	<u>\$ 165,286</u>	<u>\$ 195,286</u>	<u>\$ 250,286</u>	<u>\$ 290,286</u>	<u>\$ 405,286</u>	
			Net minus BT	<u>(80,000)</u>	<u>(80,000)</u>	<u>(100,000)</u>	<u>(70,000)</u>	<u>(90,000)</u>	<u>(105,000)</u>	
			Gross plus BT	<u>\$ 150,068</u>	<u>\$ 204,061</u>	<u>\$ 233,985</u>	<u>\$ 250,286</u>	<u>\$ 290,286</u>	<u>\$ 405,286</u>	
			Net plus BT	<u>(80,000)</u>	<u>(80,000)</u>	<u>(100,000)</u>	<u>(70,000)</u>	<u>(90,000)</u>	<u>(105,000)</u>	
			*Dollar amounts from TAWC's Annual Capital Planning Process	<u>\$ 70,068</u>	<u>\$ 124,061</u>	<u>\$ 133,985</u>	<u>\$ 180,286</u>	<u>\$ 200,286</u>	<u>\$ 300,286</u>	

STRATEGIC CAPITAL EXPENDITURE PLAN
PROGRAM

Business Unit Tennessee
Revision Date July 14, 2013
Description TN BP 2014-2018 SCEP

											U.S. \$	
Business Unit	Surcharge Category	Business Unit No.	Project Title	7	8	9	10	11	12	Total	2014	
RECURRING PROJECTS												
Tennessee		DV	Projects Funded by Others	\$ 180,000	\$ 160,000	\$ 160,000	\$ 140,000	\$ 90,000	\$ 60,000	\$ 1,500,000		
				173,333	173,333	166,667	153,333	130,000	96,667			
Tennessee	EDI	A	Mains - New	20,000	15,000	10,000	3,166		-			91,166
Tennessee	QIIP	B	Mains - Replaced / Restored	150,000	100,000	100,000	80,000	63,192	35,000			1,148,192
Tennessee	QIIP	C	Mains - Unscheduled	85,000	80,000	60,000	60,000	62,000	50,000			800,000
Tennessee	QIIP	D	Mains - Relocated	60,000	40,000	10,000		-	-			250,000
Tennessee	EDI	E	Hydrants, Valves, and Manholes - New	4,000	5,000	6,000	5,000	3,000	-			42,797
Tennessee	QIIP	F	Hydrants, Valves, and Manholes - Replaced	53,034	40,000	30,000	25,000	10,000	7,000			365,034
Tennessee	EDI	G	Services and Laterals - New	32,880	29,490	26,270	36,270	62,710	55,930			461,000
Tennessee	QIIP	H	Services and Laterals - Replaced	18,300	18,200	18,200	27,300	27,300	27,300			246,000
Tennessee	EDI	I	Meters - New	47,600	47,800	46,000	45,000	40,000	40,000			562,415
Tennessee	QIIP	J	Meters - Replaced	60,385	60,385	60,384	60,384	45,000	45,000			663,078
Tennessee		K	ITS Equipment and Systems	15,000	20,000	28,662	25,000	10,000	5,000			148,662
Tennessee	SEC	L	SCADA Equipment and Systems	15,414	20,000	25,000	20,000	10,000	5,000			185,414
Tennessee	SEC	M	Security Equipment and Systems	10,833	10,833	10,833	10,833	10,833	10,833			130,000
Tennessee		N	Offices and Operations Centers	2,500	5,000	5,000	5,000	2,500	1,800			23,000
Tennessee	EDI	O	Vehicles	90,000	40,000	25,000	106,293	50,000	41,000			382,293
Tennessee		P	Tools and Equipment	10,000	5,000	2,500	1,663					29,523
Tennessee	SEC	Q	Process Plant Facilities and Equipment	85,000	85,000	85,000	75,000	55,490	37,500			797,990
Tennessee	QIIP	R	Capitalized Tank Rehabilitation/Painting	5,000	15,000	20,000	40,000	65,000	30,000			450,000
Tennessee		S	Engineering Studies									65,554
			Total Recurring Projects	-	-	-	-	-	-	\$ 6,842,118		
ACQUISITIONS												
Tennessee			Total Acquisitions	-	-	-	-	-	-			-
CENTRALLY SPONSORED PROJECTS												
Tennessee	T26-0202		Business Transformation 2010 - 2014					-	-			117,256
Tennessee	T26-0203		Business Transformation 2010 - 2014									
			Total Centrally Sponsored Projects	-	-	-	-	-	-	\$ 117,256		
INVESTMENT PROJECTS												
Tennessee		I26-020016	Metershop Building Additions									-
Tennessee		I26-020017	Electrical Motor Efficiency Enhancement (\$2.9)									-
Tennessee		I26-020019	Interconnects Adjacent Water UD (\$0.6)									-
Tennessee	SEC	I12-020024	Install New Hill City Pumps (\$0.7)						-			-
Tennessee		I26-020025	Install 5,700' of 16" - East Braine (\$1.0)									-
Tennessee		I26-020026	5800'-16" Main in Navajo Dr. (\$1.0)									-
Tennessee		I26-020027	Construct 1.0MG Tank & 2500'-16" ER (\$1.0)									-
Tennessee		I26-020030	5933 lf of 20" Ringgold Rd. at I-75 (\$2.1)									-
Tennessee	QIIP	I26-020031	Citico Plant Improvements Phase 1B (\$8.6)	50,000	150,000	450,000	650,000	750,000	900,000			3,000,000
Tennessee	SEC	I26-020032	Wastewater Treatm't & Handling Impr (\$4.5)	150,000	250,000	500,000	450,000	350,000	125,000			2,000,000
Tennessee		I26-020033	Convert ER Reservoir to Pump Storag (\$0.25)									-
Tennessee	EDI	I26-020034	3000'-24" Tennessee River Crossing (\$0.5)									-
Tennessee	QIIP	I26-020035	Repl Lktout Mtn Pump #4 (\$0.9)									-
Tennessee		I26-020036	New Office Building									-
Tennessee		I26-020022	Post Acquisition BD Capex	20,286	21,186	21,261	18,726	18,726	18,725			240,626
Tennessee			IP Project Unbudgeted Capital									-
Tennessee	QIIP		Whitwell Acquisition Capital Investment	150,000	180,000	200,000	150,000	120,000	40,000			1,200,000
			Total Investment Projects	\$ 370,286	\$ 601,186	\$ 1,171,261	\$ 1,268,726	\$ 1,238,726	\$ 1,083,725	\$ 6,440,626		
			Total Investment and Centrally Sponsored Projects	\$ 370,286	\$ 601,186	\$ 1,171,261	\$ 1,268,726	\$ 1,238,726	\$ 1,083,725	\$ 6,557,882		
			Contributions	(100,000)	(90,000)	(80,000)	(70,000)	(60,000)	(60,000)	(1,000,000)		
			Advances	(40,000)	(35,000)	(35,000)	(30,000)	(30,000)	(20,000)	(400,000)		
			Total Refunds	40,000	50,000	60,000	50,000	40,000	35,000	500,000		
												-
Gross minus BT				\$ 550,286	\$ 761,186	\$ 1,331,261	\$ 1,408,726	\$ 1,328,726	\$ 1,143,725	\$ 14,782,744		
				(100,000)	(75,000)	(55,000)	(50,000)	(50,000)	(45,000)	(900,000)		
Net minus BT				\$ 450,286	\$ 686,186	\$ 1,276,261	\$ 1,358,726	\$ 1,278,726	\$ 1,098,725	\$ 13,882,744		
Gross plus BT				\$ 550,286	\$ 761,186	\$ 1,331,261	\$ 1,408,726	\$ 1,328,726	\$ 1,143,725	\$ 14,900,000		
				(100,000)	(75,000)	(55,000)	(50,000)	(50,000)	(45,000)	(900,000)		
Net plus BT				\$ 450,286	\$ 686,186	\$ 1,276,261	\$ 1,358,726	\$ 1,278,726	\$ 1,098,725	\$ 14,000,000		

*Dollar amounts from TAWC's Annual Capital Planning Process

Type	Period	WBS	Description	In-Service Date	Profit center	Project #	Utility account	UA Naruc	Amount	Eligibility
ADDITION	4	R26-02B1.13-P-0024	INSTALL 6" IN CLEARVIEW,MISSION,EAS	3/7/2014	2602	B	331001	TD Mains Not Classified	36,602.35	QIIP
ADDITION	6	R26-02B1.13-P-0024	INSTALL 6" IN CLEARVIEW,MISSION,EAS	3/7/2014	2602	B	335000	Hydrants	0.27	QIIP
ADDITION	4	R26-02B1.13-P-0024	INSTALL 6" IN CLEARVIEW,MISSION,EAS	3/7/2014	2602	B	331001	TD Mains Not Classified	(253.05)	QIIP
ADDITION	6	R26-02B1.13-P-0024	INSTALL 6" IN CLEARVIEW,MISSION,EAS	3/7/2014	2602	B	333000	Services	0.30	QIIP
ADDITION	6	R26-02B1.13-P-0016	OAK ST AND GLENN AVE 4" MAIN EXTENS	5/20/2014	2602	B	333000	Services	1.41	QIIP
ADDITION	6	R26-02B1.14-P-0004	DAYTON BLVD 2-6" STUB OUTS FOR FUTU	5/9/2014	2602	B	331001	TD Mains Not Classified	530.54	QIIP
ADDITION	6	R26-02B1.13-P-0024	INSTALL 6" IN CLEARVIEW,MISSION,EAS	3/7/2014	2602	B	331001	TD Mains Not Classified	1,156.46	QIIP
ADDITION	4	R26-02B1.13-P-0024	INSTALL 6" IN CLEARVIEW,MISSION,EAS	3/7/2014	2602	B	331001	TD Mains Not Classified	7.31	QIIP
ADDITION	6	R26-02B1.13-P-0016	OAK ST AND GLENN AVE 4" MAIN EXTENS	5/20/2014	2602	B	331001	TD Mains Not Classified	120.68	QIIP
ADDITION	6	R26-02B1.13-P-0024	INSTALL 6" IN CLEARVIEW,MISSION,EAS	3/7/2014	2602	B	333000	Services	5.78	QIIP
ADDITION	6	R26-02B1.13-P-0016	OAK ST AND GLENN AVE 4" MAIN EXTENS	5/20/2014	2602	B	333000	Services	30.31	QIIP
ADDITION	6	R26-02B1.14-P-0004	DAYTON BLVD 2-6" STUB OUTS FOR FUTU	5/9/2014	2602	B	331001	TD Mains Not Classified	1,266.23	QIIP
ADDITION	6	R26-02B1.13-P-0024	INSTALL 6" IN CLEARVIEW,MISSION,EAS	3/7/2014	2602	B	331001	TD Mains Not Classified	6,349.65	QIIP
ADDITION	4	R26-02B1.13-P-0024	INSTALL 6" IN CLEARVIEW,MISSION,EAS	3/7/2014	2602	B	331001	TD Mains Not Classified	2,100.77	QIIP
ADDITION	6	R26-02B1.13-P-0024	INSTALL 6" IN CLEARVIEW,MISSION,EAS	3/7/2014	2602	B	333000	Services	30.88	QIIP
ADDITION	6	R26-02B1.14-P-0004	DAYTON BLVD 2-6" STUB OUTS FOR FUTU	5/9/2014	2602	B	331001	TD Mains Not Classified	4,446.32	QIIP
ADDITION	6	R26-02B1.13-P-0016	OAK ST AND GLENN AVE 4" MAIN EXTENS	5/20/2014	2602	B	333000	Services	281.99	QIIP
ADDITION	6	R26-02B1.13-P-0016	OAK ST AND GLENN AVE 4" MAIN EXTENS	5/20/2014	2602	B	331001	TD Mains Not Classified	24,252.86	QIIP
ADDITION	6	R26-02B1.13-P-0024	INSTALL 6" IN CLEARVIEW,MISSION,EAS	3/7/2014	2602	B	335000	Hydrants	5.21	QIIP
ADDITION	6	R26-02B1.14-P-0004	DAYTON BLVD 2-6" STUB OUTS FOR FUTU	5/9/2014	2602	B	331001	TD Mains Not Classified	(5,263.97)	QIIP
ADDITION	6	R26-02B1.13-P-0024	INSTALL 6" IN CLEARVIEW,MISSION,EAS	3/7/2014	2602	B	331001	TD Mains Not Classified	(6,252.23)	QIIP
ADDITION	6	R26-02B1.13-P-0016	OAK ST AND GLENN AVE 4" MAIN EXTENS	5/20/2014	2602	B	331001	TD Mains Not Classified	(23,820.32)	QIIP
ADDITION	6	R26-02B1.13-P-0016	OAK ST AND GLENN AVE 4" MAIN EXTENS	5/20/2014	2602	B	331001	TD Mains Not Classified	2,606.58	QIIP
ADDITION	5	R26-02B1.14-P-0004	DAYTON BLVD 2-6" STUB OUTS FOR FUTU	5/9/2014	2602	B	331001	TD Mains Not Classified	17,000.17	QIIP
ADDITION	5	R26-02B1.13-P-0024	INSTALL 6" IN CLEARVIEW,MISSION,EAS	3/7/2014	2602	B	331001	TD Mains Not Classified	45.81	QIIP
ADDITION	5	R26-02B1.13-P-0016	OAK ST AND GLENN AVE 4" MAIN EXTENS	5/20/2014	2602	B	331001	TD Mains Not Classified	46.22	QIIP
ADDITION	5	R26-02B1.14-P-0004	DAYTON BLVD 2-6" STUB OUTS FOR FUTU	5/9/2014	2602	B	331001	TD Mains Not Classified	45.45	QIIP
ADDITION	5	R26-02B1.13-P-0016	OAK ST AND GLENN AVE 4" MAIN EXTENS	5/20/2014	2602	B	331001	TD Mains Not Classified	120.94	QIIP
ADDITION	5	R26-02B1.13-P-0024	INSTALL 6" IN CLEARVIEW,MISSION,EAS	3/7/2014	2602	B	331001	TD Mains Not Classified	75.68	QIIP
ADDITION	5	R26-02B1.13-P-0016	OAK ST AND GLENN AVE 4" MAIN EXTENS	5/20/2014	2602	B	331001	TD Mains Not Classified	33,635.30	QIIP
ADDITION	4	R26-02B1.13-P-0024	INSTALL 6" IN CLEARVIEW,MISSION,EAS	3/7/2014	2602	B	331001	TD Mains Not Classified	22,796.65	QIIP
ADDITION	5	R26-02B1.14-P-0004	DAYTON BLVD 2-6" STUB OUTS FOR FUTU	5/9/2014	2602	B	331001	TD Mains Not Classified	929.89	QIIP
ADDITION	5	R26-02B1.13-P-0024	INSTALL 6" IN CLEARVIEW,MISSION,EAS	3/7/2014	2602	B	331001	TD Mains Not Classified	2,868.56	QIIP
ADDITION	5	R26-02B1.13-P-0016	OAK ST AND GLENN AVE 4" MAIN EXTENS	5/20/2014	2602	B	331001	TD Mains Not Classified	1,581.38	QIIP
ADDITION	5	R26-02B1.13-P-0024	INSTALL 6" IN CLEARVIEW,MISSION,EAS	3/7/2014	2602	B	331001	TD Mains Not Classified	(36,602.35)	QIIP
ADDITION	6	R26-02B1.13-P-0024	INSTALL 6" IN CLEARVIEW,MISSION,EAS	3/7/2014	2602	B	335000	Hydrants	28.61	QIIP
ADDITION	6	R26-02B1.13-P-0024	INSTALL 6" IN CLEARVIEW,MISSION,EAS	3/7/2014	2602	B	333000	Services	31.73	QIIP
ADDITION	6	R26-02B1.13-P-0016	OAK ST AND GLENN AVE 4" MAIN EXTENS	5/20/2014	2602	B	333000	Services	37.62	QIIP
ADDITION	6	R26-02B1.13-P-0016	OAK ST AND GLENN AVE 4" MAIN EXTENS	5/20/2014	2602	B	331001	TD Mains Not Classified	3,235.35	QIIP
ADDITION	6	R26-02B1.14-P-0004	DAYTON BLVD 2-6" STUB OUTS FOR FUTU	5/9/2014	2602	B	331001	TD Mains Not Classified	55.02	QIIP
ADDITION	6	R26-02B1.13-P-0024	INSTALL 6" IN CLEARVIEW,MISSION,EAS	3/7/2014	2602	B	331001	TD Mains Not Classified	6,179.28	QIIP
ADDITION	6	R26-02B1.13-P-0024	INSTALL 6" IN CLEARVIEW,MISSION,EAS	3/7/2014	2602	B	335000	Hydrants	27.84	QIIP
ADDITION	5	R26-02B1.13-P-0016	OAK ST AND GLENN AVE 4" MAIN EXTENS	5/20/2014	2602	B	331001	TD Mains Not Classified	11.05	QIIP
ADDITION	5	R26-02B1.13-P-0024	INSTALL 6" IN CLEARVIEW,MISSION,EAS	3/7/2014	2602	B	331001	TD Mains Not Classified	10.94	QIIP
ADDITION	5	R26-02B1.13-P-0024	INSTALL 6" IN CLEARVIEW,MISSION,EAS	3/7/2014	2602	B	331001	TD Mains Not Classified	(12,071.66)	QIIP
ADDITION	6	R26-02B1.13-P-0024	INSTALL 6" IN CLEARVIEW,MISSION,EAS	3/7/2014	2602	B	331001	TD Mains Not Classified	60.00	QIIP
ADDITION	5	R26-02B1.14-P-0004	DAYTON BLVD 2-6" STUB OUTS FOR FUTU	5/9/2014	2602	B	331001	TD Mains Not Classified	5,263.16	QIIP
ADDITION	5	R26-02B1.13-P-0016	OAK ST AND GLENN AVE 4" MAIN EXTENS	5/20/2014	2602	B	331001	TD Mains Not Classified	24,552.25	QIIP
ADDITION	5	R26-02B1.13-P-0024	INSTALL 6" IN CLEARVIEW,MISSION,EAS	3/7/2014	2602	B	331001	TD Mains Not Classified	6,233.29	QIIP
ADDITION	5	R26-02B1.13-P-0024	INSTALL 6" IN CLEARVIEW,MISSION,EAS	3/7/2014	2602	B	331001	TD Mains Not Classified	43,119.31	QIIP
ADDITION	4	R26-02B1.13-P-0024	INSTALL 6" IN CLEARVIEW,MISSION,EAS	3/7/2014	2602	B	331001	TD Mains Not Classified	91,982.70	QIIP
ADDITION	9	R26-02B1.13-P-0019	INSTALL 780' - 8" MAIN IN ARLINGTON	7/10/2014	2602	B	331001	TD Mains Not Classified	6,057.36	QIIP

Type	Period	WBS	Description	In-Service Date	Profit center	Project #	Utility account	UA Naruc	Amount	Eligibility
ADDITION	9	R26-02B1.13-P-0019	INSTALL 780' - 8" MAIN IN ARLINGTON	7/10/2014	2602	B	335000	Hydrants	49.17	QIIP
ADDITION	9	R26-02B1.13-P-0019	INSTALL 780' - 8" MAIN IN ARLINGTON	7/10/2014	2602	B	333000	Services	67.38	QIIP
ADDITION	9	R26-02B1.13-P-0019	INSTALL 780' - 8" MAIN IN ARLINGTON	7/10/2014	2602	B	333000	Services	2.86	QIIP
ADDITION	9	R26-02B1.13-P-0019	INSTALL 780' - 8" MAIN IN ARLINGTON	7/10/2014	2602	B	331001	TD Mains Not Classified	580.91	QIIP
ADDITION	8	R26-02B1.13-P-0019	INSTALL 780' - 8" MAIN IN ARLINGTON	7/10/2014	2602	B	331001	TD Mains Not Classified	(23,679.59)	QIIP
ADDITION	9	R26-02B1.13-P-0019	INSTALL 780' - 8" MAIN IN ARLINGTON	7/10/2014	2602	B	331001	TD Mains Not Classified	(23,607.74)	QIIP
ADDITION	9	R26-02B1.13-P-0019	INSTALL 780' - 8" MAIN IN ARLINGTON	7/10/2014	2602	B	335000	Hydrants	(191.62)	QIIP
ADDITION	9	R26-02B1.13-P-0019	INSTALL 780' - 8" MAIN IN ARLINGTON	7/10/2014	2602	B	333000	Services	(262.61)	QIIP
ADDITION	9	R26-02B1.13-P-0019	INSTALL 780' - 8" MAIN IN ARLINGTON	7/10/2014	2602	B	335000	Hydrants	4.72	QIIP
ADDITION	9	R26-02B1.13-P-0019	INSTALL 780' - 8" MAIN IN ARLINGTON	7/10/2014	2602	B	331001	TD Mains Not Classified	256.88	QIIP
ADDITION	9	R26-02B1.13-P-0019	INSTALL 780' - 8" MAIN IN ARLINGTON	7/10/2014	2602	B	335000	Hydrants	2.09	QIIP
ADDITION	8	R26-02B1.14-P-0004	DAYTON BLVD 2-6" STUB OUTS FOR FUTU	5/9/2014	2602	B	331001	TD Mains Not Classified	(4,705.26)	QIIP
ADDITION	8	R26-02B1.13-P-0019	INSTALL 780' - 8" MAIN IN ARLINGTON	7/10/2014	2602	B	335000	Hydrants	191.62	QIIP
ADDITION	8	R26-02B1.13-P-0019	INSTALL 780' - 8" MAIN IN ARLINGTON	7/10/2014	2602	B	333000	Services	262.61	QIIP
ADDITION	8	R26-02B1.13-P-0019	INSTALL 780' - 8" MAIN IN ARLINGTON	7/10/2014	2602	B	331001	TD Mains Not Classified	23,607.74	QIIP
ADDITION	9	R26-02B1.13-P-0019	INSTALL 780' - 8" MAIN IN ARLINGTON	7/10/2014	2602	B	331001	TD Mains Not Classified	8,145.09	QIIP
ADDITION	9	R26-02B1.13-P-0019	INSTALL 780' - 8" MAIN IN ARLINGTON	7/10/2014	2602	B	333000	Services	90.61	QIIP
ADDITION	9	R26-02B1.13-P-0019	INSTALL 780' - 8" MAIN IN ARLINGTON	7/10/2014	2602	B	335000	Hydrants	66.11	QIIP
ADDITION	8	R26-02B1.14-P-0004	DAYTON BLVD 2-6" STUB OUTS FOR FUTU	5/9/2014	2602	B	331001	TD Mains Not Classified	142.60	QIIP
ADDITION	9	R26-02B1.13-P-0019	INSTALL 780' - 8" MAIN IN ARLINGTON	7/10/2014	2602	B	333000	Services	6.46	QIIP
ADDITION	7	R26-02B1.13-P-0019	INSTALL 780' - 8" MAIN IN ARLINGTON	7/10/2014	2602	B	331001	TD Mains Not Classified	60,212.30	QIIP
ADDITION	7	R26-02B1.14-P-0004	DAYTON BLVD 2-6" STUB OUTS FOR FUTU	5/9/2014	2602	B	331001	TD Mains Not Classified	(16.65)	QIIP
ADDITION	7	R26-02B1.13-P-0016	OAK ST AND GLENN AVE 4" MAIN EXTENS	5/20/2014	2602	B	333000	Services	(0.42)	QIIP
ADDITION	7	R26-02B1.13-P-0016	OAK ST AND GLENN AVE 4" MAIN EXTENS	5/20/2014	2602	B	331001	TD Mains Not Classified	(36.52)	QIIP
ADDITION	7	R26-02B1.14-P-0004	DAYTON BLVD 2-6" STUB OUTS FOR FUTU	5/9/2014	2602	B	331001	TD Mains Not Classified	6,255.26	QIIP
ADDITION	7	R26-02B1.13-P-0019	INSTALL 780' - 8" MAIN IN ARLINGTON	7/10/2014	2602	B	331001	TD Mains Not Classified	23,679.59	QIIP
ADDITION	7	R26-02B1.14-P-0004	DAYTON BLVD 2-6" STUB OUTS FOR FUTU	5/9/2014	2602	B	331001	TD Mains Not Classified	431.04	QIIP
ADDITION	7	R26-02B1.13-P-0019	INSTALL 780' - 8" MAIN IN ARLINGTON	7/10/2014	2602	B	331001	TD Mains Not Classified	2,496.11	QIIP
ADDITION	7	R26-02B1.13-P-0016	OAK ST AND GLENN AVE 4" MAIN EXTENS	5/20/2014	2602	B	333000	Services	(0.05)	QIIP
ADDITION	7	R26-02B1.13-P-0016	OAK ST AND GLENN AVE 4" MAIN EXTENS	5/20/2014	2602	B	331001	TD Mains Not Classified	(4.04)	QIIP
ADDITION	7	R26-02B1.13-P-0024	INSTALL 6" IN CLEARVIEW,MISSION,EAS	3/7/2014	2602	B	331001	TD Mains Not Classified	846.20	QIIP
ADDITION	7	R26-02B1.13-P-0024	INSTALL 6" IN CLEARVIEW,MISSION,EAS	3/7/2014	2602	B	335000	Hydrants	3.81	QIIP
ADDITION	7	R26-02B1.13-P-0024	INSTALL 6" IN CLEARVIEW,MISSION,EAS	3/7/2014	2602	B	333000	Services	4.23	QIIP
ADDITION	7	R26-02B1.14-P-0001	Work Order	1/0/1900	2602	B	331001	TD Mains Not Classified	1,327.28	QIIP
ADDITION	7	R26-02B1.14-P-0004	DAYTON BLVD 2-6" STUB OUTS FOR FUTU	5/9/2014	2602	B	331001	TD Mains Not Classified	4,701.89	QIIP
ADDITION	7	R26-02B1.13-P-0024	INSTALL 6" IN CLEARVIEW,MISSION,EAS	3/7/2014	2602	B	331001	TD Mains Not Classified	9,197.79	QIIP
ADDITION	7	R26-02B1.13-P-0019	INSTALL 780' - 8" MAIN IN ARLINGTON	7/10/2014	2602	B	331001	TD Mains Not Classified	24,304.84	QIIP
ADDITION	7	R26-02B1.13-P-0016	OAK ST AND GLENN AVE 4" MAIN EXTENS	5/20/2014	2602	B	331001	TD Mains Not Classified	(7.43)	QIIP
ADDITION	7	R26-02B1.13-P-0024	INSTALL 6" IN CLEARVIEW,MISSION,EAS	3/7/2014	2602	B	335000	Hydrants	41.44	QIIP
ADDITION	7	R26-02B1.13-P-0024	INSTALL 6" IN CLEARVIEW,MISSION,EAS	3/7/2014	2602	B	333000	Services	45.96	QIIP
ADDITION	7	R26-02B1.13-P-0016	OAK ST AND GLENN AVE 4" MAIN EXTENS	5/20/2014	2602	B	333000	Services	(0.09)	QIIP
ADDITION	12	R26-02B1.13-P-0021	INSTALL 645'-6" MAIN IN CRESCENT PA	8/14/2014	2602	B	333000	Services	(3.46)	QIIP
ADDITION	12	R26-02B1.14-P-0007	Sunbeam Ave Main Replacement. Inst	10/29/2014	2602	B	333000	Services	221.73	QIIP
ADDITION	12	R26-02B1.14-P-0007	Sunbeam Ave Main Replacement. Inst	10/29/2014	2602	B	335000	Hydrants	605.74	QIIP
ADDITION	12	R26-05B1.14-P-0002	W. GEORGIA AVE MAIN REPLACEMENT	11/20/2014	2605	B	331001	TD Mains Not Classified	96.70	QIIP
ADDITION	12	R26-05B1.14-P-0002	W. GEORGIA AVE MAIN REPLACEMENT	11/20/2014	2605	B	335000	Hydrants	(18.49)	QIIP
ADDITION	12	R26-02B1.13-P-0020	INSTALL 860'-8" MAIN & FH IN CASTLE	8/15/2014	2602	B	335000	Hydrants	(203.37)	QIIP
ADDITION	12	R26-02B1.13-P-0022	INSTALL 575' -6" MAIN IN 1ST AVENUE	9/12/2014	2602	B	331001	TD Mains Not Classified	(370.40)	QIIP
ADDITION	12	R26-02B1.14-P-0007	Sunbeam Ave Main Replacement. Inst	10/29/2014	2602	B	331001	TD Mains Not Classified	4,843.86	QIIP
ADDITION	12	R26-02B1.14-P-0007	Sunbeam Ave Main Replacement. Inst	10/29/2014	2602	B	335000	Hydrants	96.78	QIIP
ADDITION	12	R26-02B1.13-P-0020	INSTALL 860'-8" MAIN & FH IN CASTLE	8/15/2014	2602	B	331001	TD Mains Not Classified	(151.92)	QIIP
ADDITION	12	R26-02B1.14-P-0007	Sunbeam Ave Main Replacement. Inst	10/29/2014	2602	B	335000	Hydrants	399.10	QIIP

Type	Period	WBS	Description	In-Service Date	Profit center	Project #	Utility account	UA Naruc	Amount	Eligibility
ADDITION	12	R26-05B1.14-P-0002	W. GEORGIA AVE MAIN REPLACEMENT	11/20/2014	2605	B	331001	TD Mains Not Classified	(277.35)	QIIP
ADDITION	10	R26-02B1.13-P-0019	INSTALL 780' - 8" MAIN IN ARLINGTON	7/10/2014	2602	B	335000	Hydrants	(66.11)	QIIP
ADDITION	12	R26-02B1.14-P-0007	Sunbeam Ave Main Replacement. Inst	10/29/2014	2602	B	335000	Hydrants	21.97	QIIP
ADDITION	12	R26-02B1.14-P-0007	Sunbeam Ave Main Replacement. Inst	10/29/2014	2602	B	333000	Services	(4.52)	QIIP
ADDITION	12	R26-02B1.14-P-0007	Sunbeam Ave Main Replacement. Inst	10/29/2014	2602	B	333000	Services	336.53	QIIP
ADDITION	12	R26-02B1.14-P-0007	Sunbeam Ave Main Replacement. Inst	10/29/2014	2602	B	335000	Hydrants	(8.13)	QIIP
ADDITION	12	R26-02B1.13-P-0022	INSTALL 575' -6" MAIN IN 1ST AVENUE	9/12/2014	2602	B	333000	Services	(35.97)	QIIP
ADDITION	12	R26-05B1.14-P-0002	W. GEORGIA AVE MAIN REPLACEMENT	11/20/2014	2605	B	335000	Hydrants	6.44	QIIP
ADDITION	12	R26-02B1.13-P-0021	INSTALL 645'-6" MAIN IN CRESCENT PA	8/14/2014	2602	B	331001	TD Mains Not Classified	(12.99)	QIIP
ADDITION	12	R26-05B1.14-P-0002	W. GEORGIA AVE MAIN REPLACEMENT	11/20/2014	2605	B	331001	TD Mains Not Classified	58,005.06	QIIP
ADDITION	12	R26-05B1.14-P-0002	W. GEORGIA AVE MAIN REPLACEMENT	11/20/2014	2605	B	335000	Hydrants	3,867.01	QIIP
ADDITION	12	R26-02B1.13-P-0021	INSTALL 645'-6" MAIN IN CRESCENT PA	8/14/2014	2602	B	333000	Services	9,407.96	QIIP
ADDITION	10	R26-02B1.13-P-0019	INSTALL 780' - 8" MAIN IN ARLINGTON	7/10/2014	2602	B	333000	Services	(90.61)	QIIP
ADDITION	12	R26-02B1.13-P-0020	INSTALL 860'-8" MAIN & FH IN CASTLE	8/15/2014	2602	B	335000	Hydrants	13,503.20	QIIP
ADDITION	12	R26-02B1.14-P-0007	Sunbeam Ave Main Replacement. Inst	10/29/2014	2602	B	331001	TD Mains Not Classified	19,977.22	QIIP
ADDITION	12	R26-02B1.13-P-0022	INSTALL 575' -6" MAIN IN 1ST AVENUE	9/12/2014	2602	B	335000	Hydrants	4,426.04	QIIP
ADDITION	12	R26-02B1.13-P-0021	INSTALL 645'-6" MAIN IN CRESCENT PA	8/14/2014	2602	B	331001	TD Mains Not Classified	35,279.86	QIIP
ADDITION	12	R26-02B1.14-P-0007	Sunbeam Ave Main Replacement. Inst	10/29/2014	2602	B	331001	TD Mains Not Classified	1,099.47	QIIP
ADDITION	12	R26-02B1.13-P-0020	INSTALL 860'-8" MAIN & FH IN CASTLE	8/15/2014	2602	B	333000	Services	3,928.19	QIIP
ADDITION	12	R26-02B1.13-P-0020	INSTALL 860'-8" MAIN & FH IN CASTLE	8/15/2014	2602	B	331001	TD Mains Not Classified	68,252.61	QIIP
ADDITION	12	R26-02B1.14-P-0007	Sunbeam Ave Main Replacement. Inst	10/29/2014	2602	B	333000	Services	12.20	QIIP
ADDITION	10	R26-02B1.13-P-0019	INSTALL 780' - 8" MAIN IN ARLINGTON	7/10/2014	2602	B	331001	TD Mains Not Classified	(8,145.09)	QIIP
ADDITION	12	R26-02B1.14-P-0007	Sunbeam Ave Main Replacement. Inst	10/29/2014	2602	B	331001	TD Mains Not Classified	30,320.70	QIIP
ADDITION	12	R26-02B1.14-P-0007	Sunbeam Ave Main Replacement. Inst	10/29/2014	2602	B	331001	TD Mains Not Classified	(407.06)	QIIP
ADDITION	12	R26-02B1.13-P-0020	INSTALL 860'-8" MAIN & FH IN CASTLE	8/15/2014	2602	B	333000	Services	(59.16)	QIIP
ADDITION	12	R26-02B1.13-P-0021	INSTALL 645'-6" MAIN IN CRESCENT PA	8/14/2014	2602	B	331001	TD Mains Not Classified	(606.63)	QIIP
ADDITION	12	R26-02B1.13-P-0022	INSTALL 575' -6" MAIN IN 1ST AVENUE	9/12/2014	2602	B	333000	Services	(14.56)	QIIP
ADDITION	12	R26-02B1.13-P-0022	INSTALL 575' -6" MAIN IN 1ST AVENUE	9/12/2014	2602	B	335000	Hydrants	(13.11)	QIIP
ADDITION	12	R26-02B1.13-P-0020	INSTALL 860'-8" MAIN & FH IN CASTLE	8/15/2014	2602	B	333000	Services	(8.74)	QIIP
ADDITION	12	R26-02B1.13-P-0020	INSTALL 860'-8" MAIN & FH IN CASTLE	8/15/2014	2602	B	331001	TD Mains Not Classified	(1,027.88)	QIIP
ADDITION	12	R26-02B1.14-P-0007	Sunbeam Ave Main Replacement. Inst	10/29/2014	2602	B	333000	Services	53.76	QIIP
ADDITION	12	R26-02B1.13-P-0021	INSTALL 645'-6" MAIN IN CRESCENT PA	8/14/2014	2602	B	333000	Services	(161.77)	QIIP
ADDITION	12	R26-02B1.13-P-0022	INSTALL 575' -6" MAIN IN 1ST AVENUE	9/12/2014	2602	B	335000	Hydrants	(32.37)	QIIP
ADDITION	12	R26-05B1.14-P-0002	W. GEORGIA AVE MAIN REPLACEMENT	11/20/2014	2605	B	331001	TD Mains Not Classified	13,047.01	QIIP
ADDITION	12	R26-05B1.14-P-0002	W. GEORGIA AVE MAIN REPLACEMENT	11/20/2014	2605	B	335000	Hydrants	869.80	QIIP
ADDITION	12	R26-02B1.13-P-0020	INSTALL 860'-8" MAIN & FH IN CASTLE	8/15/2014	2602	B	335000	Hydrants	(30.05)	QIIP
ADDITION	12	R26-02B1.13-P-0022	INSTALL 575' -6" MAIN IN 1ST AVENUE	9/12/2014	2602	B	331001	TD Mains Not Classified	(150.02)	QIIP
ADDITION	11	R26-02B1.14-P-0005	Silverdale Wrkhouse 12" main instal	8/18/2014	2602	B	331001	TD Mains Not Classified	104,905.23	QIIP
ADDITION	11	R26-02B1.14-P-0005	Silverdale Wrkhouse 12" main instal	8/18/2014	2602	B	331001	TD Mains Not Classified	8,147.98	QIIP
ADDITION	12	R26-02B1.14-P-0007	Sunbeam Ave Main Replacement. Inst	10/29/2014	2602	B	331001	TD Mains Not Classified	51,365.06	QIIP
ADDITION	12	R26-02B1.14-P-0007	Sunbeam Ave Main Replacement. Inst	10/29/2014	2602	B	335000	Hydrants	1,026.16	QIIP
ADDITION	12	R26-02B1.13-P-0022	INSTALL 575' -6" MAIN IN 1ST AVENUE	9/12/2014	2602	B	333000	Services	4,917.82	QIIP
ADDITION	12	R26-02B1.13-P-0022	INSTALL 575' -6" MAIN IN 1ST AVENUE	9/12/2014	2602	B	331001	TD Mains Not Classified	50,653.66	QIIP
ADDITION	12	R26-02B1.14-P-0007	Sunbeam Ave Main Replacement. Inst	10/29/2014	2602	B	333000	Services	570.08	QIIP
ADDITION	12	R26-02B1.14-P-0005	Silverdale Wrkhouse 12" main instal	8/18/2014	2602	B	331001	TD Mains Not Classified	6,110.99	QIIP
ADDITION	12	R26-02B1.14-P-0005	Silverdale Wrkhouse 12" main instal	8/18/2014	2602	B	331001	TD Mains Not Classified	2,036.99	QIIP
ADDITION	12	R26-02B1.14-P-0005	Silverdale Wrkhouse 12" main instal	8/18/2014	2602	B	331001	TD Mains Not Classified	98,794.24	QIIP
ADDITION	12	R26-02B1.14-P-0005	Silverdale Wrkhouse 12" main instal	8/18/2014	2602	B	331001	TD Mains Not Classified	6,110.99	QIIP
ADDITION	12	R26-02B1.14-P-0004	DAYTON BLVD 2-6" STUB OUTS FOR FUTU	5/9/2014	2602	B	331001	TD Mains Not Classified	1,460.77	QIIP
ADDITION	12	R26-02B1.14-P-0004	DAYTON BLVD 2-6" STUB OUTS FOR FUTU	5/9/2014	2602	B	331001	TD Mains Not Classified	29,620.92	QIIP
ADDITION	12	R26-02B1.13-P-0019	INSTALL 780' - 8" MAIN IN ARLINGTON	7/10/2014	2602	B	333000	Services	1,026.36	QIIP
ADDITION	12	R26-02B1.13-P-0019	INSTALL 780' - 8" MAIN IN ARLINGTON	7/10/2014	2602	B	331001	TD Mains Not Classified	1,262.90	QIIP

Type	Period	WBS	Description	In-Service Date	Profit center	Project #	Utility account	UA Naruc	Amount	Eligibility
ADDITION	12	R26-02B1.13-P-0019	INSTALL 780' - 8" MAIN IN ARLINGTON	7/10/2014	2602	B	335000	Hydrants	748.94	QIIP
ADDITION	12	R26-02B1.13-P-0019	INSTALL 780' - 8" MAIN IN ARLINGTON	7/10/2014	2602	B	331001	TD Mains Not Classified	91,002.88	QIIP
ADDITION	12	R26-02B1.13-P-0016	OAK ST AND GLENN AVE 4" MAIN EXTENS	5/20/2014	2602	B	333000	Services	765.97	QIIP
ADDITION	12	R26-02B1.13-P-0016	OAK ST AND GLENN AVE 4" MAIN EXTENS	5/20/2014	2602	B	331001	TD Mains Not Classified	566.76	QIIP
ADDITION	12	R26-02B1.13-P-0016	OAK ST AND GLENN AVE 4" MAIN EXTENS	5/20/2014	2602	B	331001	TD Mains Not Classified	65,312.34	QIIP
ADDITION	12	R26-02B1.12-P-0021	AUBERNDALE MAIN EXTENSION	1/23/2013	2602	B	333000	Services	693.59	QIIP
ADDITION	12	R26-02B1.12-P-0021	AUBERNDALE MAIN EXTENSION	1/23/2013	2602	B	331001	TD Mains Not Classified	1,071.20	QIIP
ADDITION	12	R26-02B1.12-P-0021	AUBERNDALE MAIN EXTENSION	1/23/2013	2602	B	331001	TD Mains Not Classified	119,375.38	QIIP
ADDITION	12	R26-02B1.12-P-0013	HARLEY LANE MAIN EXTENSION	10/10/2012	2602	B	331001	TD Mains Not Classified	944.99	QIIP
ADDITION	12	R26-02B1.12-P-0013	HARLEY LANE MAIN EXTENSION	10/10/2012	2602	B	335000	Hydrants	710.75	QIIP
ADDITION	12	R26-02B1.12-P-0013	HARLEY LANE MAIN EXTENSION	10/10/2012	2602	B	331001	TD Mains Not Classified	60,482.91	QIIP
ADDITION	12	R26-02B1.12-P-0008	MAIN EXTENSION LOVELL AVE	9/13/2012	2602	B	333000	Services	719.58	QIIP
ADDITION	12	R26-02B1.12-P-0008	MAIN EXTENSION LOVELL AVE	9/13/2012	2602	B	335000	Hydrants	1,006.02	QIIP
ADDITION	12	R26-02B1.12-P-0008	MAIN EXTENSION LOVELL AVE	9/13/2012	2602	B	331001	TD Mains Not Classified	2,701.79	QIIP
ADDITION	12	R26-02B1.12-P-0008	MAIN EXTENSION LOVELL AVE	9/13/2012	2602	B	335000	Hydrants	1,476.90	QIIP
ADDITION	12	R26-02B1.12-P-0008	MAIN EXTENSION LOVELL AVE	9/13/2012	2602	B	331001	TD Mains Not Classified	59,039.00	QIIP
ADDITION	12	R26-02B1.14-P-0004	DAYTON BLVD 2-6" STUB OUTS FOR FUTU	5/9/2014	2602	B	331001	TD Mains Not Classified	(31,081.69)	QIIP
ADDITION	12	R26-02B1.13-P-0016	OAK ST AND GLENN AVE 4" MAIN EXTENS	5/20/2014	2602	B	331001	TD Mains Not Classified	(66,294.30)	QIIP
ADDITION	12	R26-02B1.14-P-0005	Silverdale Wrkhouse 12" main instal	8/18/2014	2602	B	331001	TD Mains Not Classified	(8,147.98)	QIIP
ADDITION	12	R26-02B1.14-P-0005	Silverdale Wrkhouse 12" main instal	8/18/2014	2602	B	331001	TD Mains Not Classified	(104,905.23)	QIIP
ADDITION	12	R26-02B1.13-P-0019	INSTALL 780' - 8" MAIN IN ARLINGTON	7/10/2014	2602	B	335000	Hydrants	(55.98)	QIIP
ADDITION	12	R26-02B1.13-P-0019	INSTALL 780' - 8" MAIN IN ARLINGTON	7/10/2014	2602	B	333000	Services	(76.70)	QIIP
ADDITION	12	R26-02B1.13-P-0019	INSTALL 780' - 8" MAIN IN ARLINGTON	7/10/2014	2602	B	331001	TD Mains Not Classified	(93,908.40)	QIIP
ADDITION	12	R26-02B1.13-P-0016	OAK ST AND GLENN AVE 4" MAIN EXTENS	5/20/2014	2602	B	333000	Services	(350.77)	QIIP
ADDITION	12	R26-02B1.12-P-0021	AUBERNDALE MAIN EXTENSION	1/23/2013	2602	B	331001	TD Mains Not Classified	(142,998.57)	QIIP
ADDITION	12	R26-02B1.12-P-0021	AUBERNDALE MAIN EXTENSION	1/23/2013	2602	B	333000	Services	51.68	QIIP
ADDITION	12	R26-02B1.12-P-0008	MAIN EXTENSION LOVELL AVE	9/13/2012	2602	B	331001	TD Mains Not Classified	(63,288.29)	QIIP
ADDITION	12	R26-02B1.12-P-0008	MAIN EXTENSION LOVELL AVE	9/13/2012	2602	B	335000	Hydrants	(1,283.14)	QIIP
ADDITION	12	R26-02B1.12-P-0008	MAIN EXTENSION LOVELL AVE	9/13/2012	2602	B	333000	Services	(371.86)	QIIP
ADDITION	12	R26-02B1.12-P-0013	HARLEY LANE MAIN EXTENSION	10/10/2012	2602	B	331001	TD Mains Not Classified	(62,138.64)	QIIP
ADDITION	12	R26-02B1.12-P-0021	AUBERNDALE MAIN EXTENSION	1/23/2013	2602	B	331001	TD Mains Not Classified	1,923.33	QIIP
ADDITION	12	R26-02B1.12-P-0021	AUBERNDALE MAIN EXTENSION	1/23/2013	2602	B	333000	Services	11.08	QIIP
ADDITION	12	R26-02B1.12-P-0021	AUBERNDALE MAIN EXTENSION	1/23/2013	2602	B	331001	TD Mains Not Classified	2,531.00	QIIP
ADDITION	12	R26-02B1.12-P-0021	AUBERNDALE MAIN EXTENSION	1/23/2013	2602	B	331001	TD Mains Not Classified	17,341.31	QIIP
ADDITION	12	R26-02B1.12-P-0013	HARLEY LANE MAIN EXTENSION	10/10/2012	2602	B	331001	TD Mains Not Classified	(0.01)	QIIP
ADDITION	1	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	(5,846.01)	QIIP
ADDITION	1	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	(21,007.10)	QIIP
ADDITION	1	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	(28,659.63)	QIIP
ADDITION	1	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	1,757.53	QIIP
ADDITION	1	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	449.48	QIIP
ADDITION	1	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	402.33	QIIP
ADDITION	1	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	135.53	QIIP
ADDITION	1	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	69.29	QIIP
ADDITION	1	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	256.34	QIIP
ADDITION	1	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	1,405.40	QIIP
ADDITION	1	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	2,557.88	QIIP
ADDITION	1	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	3,063.93	QIIP
ADDITION	1	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	481.92	QIIP
ADDITION	1	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	226.36	QIIP
ADDITION	1	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	1,869.24	QIIP
ADDITION	1	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	50.03	QIIP
ADDITION	1	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	382.58	QIIP

Type	Period	WBS	Description	In-Service Date	Profit center	Project #	Utility account	UA Naruc	Amount	Eligibility
ADDITION	1	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	14.18	QIIP
ADDITION	1	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	35.61	QIIP
ADDITION	1	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	440.55	QIIP
ADDITION	1	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	137.18	QIIP
ADDITION	1	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	960.43	QIIP
ADDITION	1	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	33.35	QIIP
ADDITION	1	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	(4,120.89)	QIIP
ADDITION	1	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	(842.09)	QIIP
ADDITION	1	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	861.58	QIIP
ADDITION	1	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	90.17	QIIP
ADDITION	1	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	41.36	QIIP
ADDITION	1	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	5,129.64	QIIP
ADDITION	1	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	(11,308.75)	QIIP
ADDITION	1	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	554.56	QIIP
ADDITION	1	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	72.35	QIIP
ADDITION	1	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	1,208.99	QIIP
ADDITION	1	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	190.16	QIIP
ADDITION	1	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	3,655.62	QIIP
ADDITION	1	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	10,852.83	QIIP
ADDITION	1	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	12,999.97	QIIP
ADDITION	2	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	1,517.91	QIIP
ADDITION	2	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	358.86	QIIP
ADDITION	2	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	137.67	QIIP
ADDITION	2	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	(97.11)	QIIP
ADDITION	2	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	1,517.91	QIIP
ADDITION	2	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	(70.23)	QIIP
ADDITION	2	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	(64.75)	QIIP
ADDITION	2	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	1,517.99	QIIP
ADDITION	2	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	874.94	QIIP
ADDITION	2	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	(123.68)	QIIP
ADDITION	2	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	99.54	QIIP
ADDITION	2	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	(331.05)	QIIP
ADDITION	2	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	(497.63)	QIIP
ADDITION	2	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	1,517.91	QIIP
ADDITION	2	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	1,517.91	QIIP
ADDITION	2	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	1,517.91	QIIP
ADDITION	2	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	1,517.91	QIIP
ADDITION	2	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	1,793.99	QIIP
ADDITION	2	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	746.61	QIIP
ADDITION	2	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	(1,184.66)	QIIP
ADDITION	2	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	(140.45)	QIIP
ADDITION	2	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	1,517.91	QIIP
ADDITION	2	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	705.39	QIIP
ADDITION	2	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	1,517.91	QIIP
ADDITION	2	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	1,517.91	QIIP
ADDITION	2	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	6,013.44	QIIP
ADDITION	2	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	8,855.84	QIIP
ADDITION	2	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	4,454.78	QIIP
ADDITION	2	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	(1,881.56)	QIIP
ADDITION	2	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	(4,838.15)	QIIP
ADDITION	2	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	(2,866.39)	QIIP

Type	Period	WBS	Description	In-Service Date	Profit center	Project #	Utility account	UA Naruc	Amount	Eligibility
ADDITION	2	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	17,332.76	QIIP
ADDITION	2	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	92,094.25	QIIP
ADDITION	2	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	148,951.35	QIIP
ADDITION	2	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	189,286.85	QIIP
ADDITION	2	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	25,394.96	QIIP
ADDITION	2	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	39,300.78	QIIP
ADDITION	2	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	18,065.69	QIIP
ADDITION	2	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	2,866.63	QIIP
ADDITION	2	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	23,532.93	QIIP
ADDITION	2	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	2,139.35	QIIP
ADDITION	2	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	51,429.47	QIIP
ADDITION	2	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	22,505.70	QIIP
ADDITION	2	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	18,184.54	QIIP
ADDITION	2	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	1,697.90	QIIP
ADDITION	2	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	228,868.80	QIIP
ADDITION	2	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	18,173.22	QIIP
ADDITION	2	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	34,807.01	QIIP
ADDITION	2	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	4,278.72	QIIP
ADDITION	2	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	71,142.13	QIIP
ADDITION	2	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	2,866.63	QIIP
ADDITION	2	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	5,348.40	QIIP
ADDITION	2	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	15,552.81	QIIP
ADDITION	2	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	8,022.58	QIIP
ADDITION	2	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	23,190.52	QIIP
ADDITION	2	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	9,576.16	QIIP
ADDITION	2	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	4,640.92	QIIP
ADDITION	2	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	7,145.34	QIIP
ADDITION	2	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	9,584.67	QIIP
ADDITION	2	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	6,418.07	QIIP
ADDITION	2	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	31.40	QIIP
ADDITION	2	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	(146,292.01)	QIIP
ADDITION	2	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	9,120.02	QIIP
ADDITION	2	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	1,418.84	QIIP
ADDITION	2	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	(3,388.08)	QIIP
ADDITION	2	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	(291,911.93)	QIIP
ADDITION	2	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	3,616.07	QIIP
ADDITION	2	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	(678.51)	QIIP
ADDITION	2	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	(21,736.66)	QIIP
ADDITION	2	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	(92,420.85)	QIIP
ADDITION	2	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	(1,061.38)	QIIP
ADDITION	2	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	1,277.71	QIIP
ADDITION	2	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	(29.31)	QIIP
ADDITION	2	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	(391,712.72)	QIIP
ADDITION	2	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	(251,149.14)	QIIP
ADDITION	2	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	(763.47)	QIIP
ADDITION	2	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	(90.59)	QIIP
ADDITION	3	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	490.60	QIIP
ADDITION	3	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	5,332.65	QIIP
ADDITION	3	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	45.25	QIIP
ADDITION	3	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	491.84	QIIP
ADDITION	3	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	241.85	QIIP
ADDITION	3	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	2,628.81	QIIP

Type	Period	WBS	Description	In-Service Date	Profit center	Project #	Utility account	UA Naruc	Amount	Eligibility
ADDITION	1	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	133,491.95	QIIP
ADDITION	2	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	257.28	QIIP
ADDITION	2	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	105,113.34	QIIP
ADDITION	2	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	58,601.78	QIIP
ADDITION	2	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	(51,806.10)	QIIP
ADDITION	2	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	17,447.53	QIIP
ADDITION	2	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	63,265.53	QIIP
ADDITION	3	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	1,306.77	QIIP
ADDITION	3	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	6,349.21	QIIP
ADDITION	3	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	(62,869.44)	QIIP
ADDITION	3	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	1,977.75	QIIP
ADDITION	3	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	6,095.88	QIIP
ADDITION	3	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	36,005.25	QIIP
ADDITION	3	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	2,224.99	QIIP
ADDITION	1	R26-05C1.14-P-0001	Unscheduled Main Replacements	1/0/1900	2605	C	331001	TD Mains Not Classified	2,723.21	QIIP
ADDITION	2	R26-05C1.14-P-0001	Unscheduled Main Replacements	1/0/1900	2605	C	331001	TD Mains Not Classified	2,454.02	QIIP
ADDITION	2	R26-05C1.14-P-0001	Unscheduled Main Replacements	1/0/1900	2605	C	331001	TD Mains Not Classified	2,874.93	QIIP
ADDITION	2	R26-05C1.14-P-0001	Unscheduled Main Replacements	1/0/1900	2605	C	331001	TD Mains Not Classified	7,310.22	QIIP
ADDITION	2	R26-05C1.14-P-0001	Unscheduled Main Replacements	1/0/1900	2605	C	331001	TD Mains Not Classified	307.31	QIIP
ADDITION	3	R26-05C1.14-P-0001	Unscheduled Main Replacements	1/0/1900	2605	C	331001	TD Mains Not Classified	1,152.93	QIIP
ADDITION	3	R26-05C1.14-P-0001	Unscheduled Main Replacements	1/0/1900	2605	C	331001	TD Mains Not Classified	(7,020.56)	QIIP
ADDITION	3	R26-05C1.14-P-0001	Unscheduled Main Replacements	1/0/1900	2605	C	331001	TD Mains Not Classified	(599.69)	QIIP
ADDITION	3	R26-05C1.14-P-0001	Unscheduled Main Replacements	1/0/1900	2605	C	331001	TD Mains Not Classified	1,165.52	QIIP
ADDITION	3	R26-05C1.14-P-0001	Unscheduled Main Replacements	1/0/1900	2605	C	331001	TD Mains Not Classified	1,231.92	QIIP
ADDITION	3	R26-05C1.14-P-0001	Unscheduled Main Replacements	1/0/1900	2605	C	331001	TD Mains Not Classified	49.81	QIIP
ADDITION	3	R26-05C1.14-P-0001	Unscheduled Main Replacements	1/0/1900	2605	C	331001	TD Mains Not Classified	10,544.03	QIIP
ADDITION	4	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	4,254.32	QIIP
ADDITION	4	R26-05C1.14-P-0001	Unscheduled Main Replacements	1/0/1900	2605	C	331001	TD Mains Not Classified	4,647.52	QIIP
ADDITION	4	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	(35,199.21)	QIIP
ADDITION	4	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	2,097.23	QIIP
ADDITION	4	R26-05C1.14-P-0001	Unscheduled Main Replacements	1/0/1900	2605	C	331001	TD Mains Not Classified	397.97	QIIP
ADDITION	4	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	56,427.78	QIIP
ADDITION	4	R26-05C1.14-P-0001	Unscheduled Main Replacements	1/0/1900	2605	C	331001	TD Mains Not Classified	676.71	QIIP
ADDITION	4	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	392.38	QIIP
ADDITION	6	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	18,517.58	QIIP
ADDITION	6	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	9,128.51	QIIP
ADDITION	6	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	1,707.93	QIIP
ADDITION	6	R26-05C1.14-P-0001	Unscheduled Main Replacements	1/0/1900	2605	C	331001	TD Mains Not Classified	621.02	QIIP
ADDITION	6	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	1,853.46	QIIP
ADDITION	6	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	1,934.08	QIIP
ADDITION	4	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	315.35	QIIP
ADDITION	6	R26-03C1.14-P-0001	Work Order	1/0/1900	2603	C	331001	TD Mains Not Classified	2,833.88	QIIP
ADDITION	6	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	3,411.45	QIIP
ADDITION	4	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	1,654.31	QIIP
ADDITION	5	R26-05C1.14-P-0001	Unscheduled Main Replacements	1/0/1900	2605	C	331001	TD Mains Not Classified	812.93	QIIP
ADDITION	6	R26-05C1.14-P-0001	Unscheduled Main Replacements	1/0/1900	2605	C	331001	TD Mains Not Classified	6,285.66	QIIP
ADDITION	4	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	817.67	QIIP
ADDITION	4	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	1,658.67	QIIP
ADDITION	4	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	724.97	QIIP
ADDITION	4	R26-05C1.14-P-0001	Unscheduled Main Replacements	1/0/1900	2605	C	331001	TD Mains Not Classified	848.97	QIIP
ADDITION	6	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	37,803.47	QIIP
ADDITION	6	R26-05C1.14-P-0001	Unscheduled Main Replacements	1/0/1900	2605	C	331001	TD Mains Not Classified	464.55	QIIP

Type	Period	WBS	Description	In-Service Date	Profit center	Project #	Utility account	UA Naruc	Amount	Eligibility
ADDITION	6	R26-02C1.13-P-0001	Mains - Unsheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	953.43	QIIP
ADDITION	6	R26-02C1.14-P-0001	Mains-Unsheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	(9,283.18)	QIIP
ADDITION	6	R26-02C1.13-P-0001	Mains - Unsheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	231.05	QIIP
ADDITION	6	R26-02C1.13-P-0001	Mains - Unsheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	2,505.05	QIIP
ADDITION	4	R26-02C1.13-P-0001	Mains - Unsheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	1,685.38	QIIP
ADDITION	4	R26-02C1.13-P-0001	Mains - Unsheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	3,418.87	QIIP
ADDITION	4	R26-02C1.14-P-0001	Mains-Unsheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	5,063.86	QIIP
ADDITION	5	R26-02C1.14-P-0001	Mains-Unsheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	9,492.21	QIIP
ADDITION	5	R26-02C1.13-P-0001	Mains - Unsheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	754.33	QIIP
ADDITION	5	R26-02C1.13-P-0001	Mains - Unsheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	8,178.49	QIIP
ADDITION	5	R26-02C1.13-P-0001	Mains - Unsheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	4,031.70	QIIP
ADDITION	5	R26-05C1.14-P-0001	Unsheduled Main Replacements	1/0/1900	2605	C	331001	TD Mains Not Classified	4,124.90	QIIP
ADDITION	5	R26-02C1.14-P-0001	Mains-Unsheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	6,900.20	QIIP
ADDITION	5	R26-02C1.13-P-0001	Mains - Unsheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	728.96	QIIP
ADDITION	5	R26-02C1.13-P-0001	Mains - Unsheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	7,903.58	QIIP
ADDITION	5	R26-02C1.13-P-0001	Mains - Unsheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	3,896.19	QIIP
ADDITION	6	R26-02C1.14-P-0001	Mains-Unsheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	3,664.26	QIIP
ADDITION	5	R26-02C1.14-P-0001	Mains-Unsheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	2,247.28	QIIP
ADDITION	5	R26-02C1.13-P-0001	Mains - Unsheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	174.81	QIIP
ADDITION	5	R26-02C1.13-P-0001	Mains - Unsheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	1,895.28	QIIP
ADDITION	5	R26-02C1.13-P-0001	Mains - Unsheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	934.30	QIIP
ADDITION	5	R26-02C1.14-P-0001	Mains-Unsheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	(56,427.78)	QIIP
ADDITION	5	R26-05C1.14-P-0001	Unsheduled Main Replacements	1/0/1900	2605	C	331001	TD Mains Not Classified	3,159.85	QIIP
ADDITION	4	R26-02C1.13-P-0001	Mains - Unsheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	152.98	QIIP
ADDITION	5	R26-05C1.14-P-0001	Unsheduled Main Replacements	1/0/1900	2605	C	331001	TD Mains Not Classified	984.18	QIIP
ADDITION	5	R26-02C1.13-P-0001	Mains - Unsheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	178.07	QIIP
ADDITION	5	R26-02C1.13-P-0001	Mains - Unsheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	1,930.64	QIIP
ADDITION	5	R26-02C1.13-P-0001	Mains - Unsheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	951.74	QIIP
ADDITION	5	R26-02C1.14-P-0001	Mains-Unsheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	391.38	QIIP
ADDITION	5	R26-02C1.14-P-0001	Mains-Unsheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	22,353.77	QIIP
ADDITION	5	R26-05C1.14-P-0001	Unsheduled Main Replacements	1/0/1900	2605	C	331001	TD Mains Not Classified	567.29	QIIP
ADDITION	5	R26-02C1.14-P-0001	Mains-Unsheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	7,643.18	QIIP
ADDITION	5	R26-02C1.13-P-0001	Mains - Unsheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	238.71	QIIP
ADDITION	5	R26-02C1.13-P-0001	Mains - Unsheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	1,275.86	QIIP
ADDITION	6	R26-02C1.13-P-0001	Mains - Unsheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	178.39	QIIP
ADDITION	5	R26-02C1.13-P-0001	Mains - Unsheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	2,588.13	QIIP
ADDITION	4	R26-05C1.14-P-0001	Unsheduled Main Replacements	1/0/1900	2605	C	331001	TD Mains Not Classified	3,505.69	QIIP
ADDITION	4	R26-02C1.14-P-0001	Mains-Unsheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	355.93	QIIP
ADDITION	6	R26-02C1.13-P-0001	Mains - Unsheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	1,234.91	QIIP
ADDITION	4	R26-02C1.13-P-0001	Mains - Unsheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	10,355.84	QIIP
ADDITION	4	R26-02C1.13-P-0001	Mains - Unsheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	5,105.06	QIIP
ADDITION	4	R26-02C1.13-P-0001	Mains - Unsheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	955.15	QIIP
ADDITION	9	R26-02C1.14-P-0001	Mains-Unsheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	302.61	QIIP
ADDITION	8	R26-05C1.14-P-0001	Unsheduled Main Replacements	1/0/1900	2605	C	331001	TD Mains Not Classified	146.80	QIIP
ADDITION	9	R26-02C1.14-P-0001	Mains-Unsheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	20,593.33	QIIP
ADDITION	9	R26-02C1.14-P-0001	Mains-Unsheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	8,597.46	QIIP
ADDITION	9	R26-02C1.14-P-0001	Mains-Unsheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	980.13	QIIP
ADDITION	9	R26-02C1.14-P-0001	Mains-Unsheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	295.42	QIIP
ADDITION	9	R26-02C1.14-P-0001	Mains-Unsheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	15.52	QIIP
ADDITION	9	R26-02C1.14-P-0001	Mains-Unsheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	10.39	QIIP
ADDITION	9	R26-02C1.14-P-0001	Mains-Unsheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	10.39	QIIP
ADDITION	9	R26-02C1.14-P-0001	Mains-Unsheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	33.68	QIIP

Type	Period	WBS	Description	In-Service Date	Profit center	Project #	Utility account	UA Naruc	Amount	Eligibility
ADDITION	9	R26-05C1.14-P-0001	Unscheduled Main Replacements	1/0/1900	2605	C	331001	TD Mains Not Classified	672.68	QIIP
ADDITION	9	R26-05C1.14-P-0001	Unscheduled Main Replacements	1/0/1900	2605	C	331001	TD Mains Not Classified	2,499.38	QIIP
ADDITION	9	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	12,029.40	QIIP
ADDITION	9	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	631.98	QIIP
ADDITION	9	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	423.41	QIIP
ADDITION	9	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	701.52	QIIP
ADDITION	9	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	36.86	QIIP
ADDITION	9	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	24.69	QIIP
ADDITION	9	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	24.69	QIIP
ADDITION	9	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	79.97	QIIP
ADDITION	9	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	1,200.93	QIIP
ADDITION	9	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	505.70	QIIP
ADDITION	9	R26-05C1.14-P-0001	Unscheduled Main Replacements	1/0/1900	2605	C	331001	TD Mains Not Classified	843.50	QIIP
ADDITION	9	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	6,586.32	QIIP
ADDITION	9	R26-05C1.14-P-0001	Unscheduled Main Replacements	1/0/1900	2605	C	331001	TD Mains Not Classified	4,213.88	QIIP
ADDITION	9	R26-05C1.14-P-0001	Unscheduled Main Replacements	1/0/1900	2605	C	331001	TD Mains Not Classified	4,281.96	QIIP
ADDITION	9	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	231.83	QIIP
ADDITION	9	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	14,718.14	QIIP
ADDITION	9	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	302.61	QIIP
ADDITION	9	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	(14,599.04)	QIIP
ADDITION	9	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	(766.98)	QIIP
ADDITION	9	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	(513.86)	QIIP
ADDITION	9	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	(513.86)	QIIP
ADDITION	9	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	(1,664.33)	QIIP
ADDITION	9	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	(24,992.36)	QIIP
ADDITION	8	R26-05C1.14-P-0001	Unscheduled Main Replacements	1/0/1900	2605	C	331001	TD Mains Not Classified	1,509.13	QIIP
ADDITION	8	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	13,392.90	QIIP
ADDITION	8	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	703.62	QIIP
ADDITION	8	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	471.40	QIIP
ADDITION	8	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	471.40	QIIP
ADDITION	8	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	1,526.83	QIIP
ADDITION	8	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	22,927.55	QIIP
ADDITION	8	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	480.93	QIIP
ADDITION	8	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	480.93	QIIP
ADDITION	8	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	1,557.68	QIIP
ADDITION	8	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	23,390.91	QIIP
ADDITION	8	R26-05C1.14-P-0001	Unscheduled Main Replacements	1/0/1900	2605	C	331001	TD Mains Not Classified	86.57	QIIP
ADDITION	9	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	346.02	QIIP
ADDITION	8	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	(10,038.51)	QIIP
ADDITION	8	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	(51,478.03)	QIIP
ADDITION	8	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	(410.53)	QIIP
ADDITION	8	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	(4,450.99)	QIIP
ADDITION	8	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	(2,194.18)	QIIP
ADDITION	9	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	423.41	QIIP
ADDITION	9	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	1,371.38	QIIP
ADDITION	9	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	231.83	QIIP
ADDITION	9	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	451.69	QIIP
ADDITION	9	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	750.87	QIIP
ADDITION	9	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	11,275.26	QIIP
ADDITION	8	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	3,045.43	QIIP
ADDITION	8	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	160.00	QIIP
ADDITION	8	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	107.19	QIIP

Type	Period	WBS	Description	In-Service Date	Profit center	Project #	Utility account	UA Naruc	Amount	Eligibility
ADDITION	8	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	107.19	QIIP
ADDITION	8	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	347.19	QIIP
ADDITION	8	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	5,213.53	QIIP
ADDITION	8	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	(37.77)	QIIP
ADDITION	8	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	(409.49)	QIIP
ADDITION	8	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	(201.86)	QIIP
ADDITION	8	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	15,278.31	QIIP
ADDITION	8	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	802.67	QIIP
ADDITION	8	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	537.77	QIIP
ADDITION	8	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	537.77	QIIP
ADDITION	8	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	1,741.77	QIIP
ADDITION	8	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	26,155.22	QIIP
ADDITION	9	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	134.85	QIIP
ADDITION	9	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	7.09	QIIP
ADDITION	9	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	4.75	QIIP
ADDITION	9	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	15.38	QIIP
ADDITION	9	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	230.89	QIIP
ADDITION	9	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	4.75	QIIP
ADDITION	7	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	4,327.34	QIIP
ADDITION	7	R26-05C1.14-P-0001	Unscheduled Main Replacements	1/0/1900	2605	C	331001	TD Mains Not Classified	723.58	QIIP
ADDITION	7	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	(34,890.40)	QIIP
ADDITION	7	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	255.34	QIIP
ADDITION	7	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	2,768.38	QIIP
ADDITION	7	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	1,364.71	QIIP
ADDITION	7	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	90,823.12	QIIP
ADDITION	7	R26-05C1.14-P-0001	Unscheduled Main Replacements	1/0/1900	2605	C	331001	TD Mains Not Classified	693.64	QIIP
ADDITION	7	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	2,093.40	QIIP
ADDITION	7	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	140.46	QIIP
ADDITION	7	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	1,522.86	QIIP
ADDITION	7	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	750.71	QIIP
ADDITION	7	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	6,816.92	QIIP
ADDITION	8	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	13,663.57	QIIP
ADDITION	8	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	717.84	QIIP
ADDITION	7	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	13,784.42	QIIP
ADDITION	7	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	6,795.22	QIIP
ADDITION	7	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	5,238.27	QIIP
ADDITION	7	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	3,458.79	QIIP
ADDITION	7	R26-05C1.14-P-0001	Unscheduled Main Replacements	1/0/1900	2605	C	331001	TD Mains Not Classified	6,815.99	QIIP
ADDITION	7	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	1,271.39	QIIP
ADDITION	11	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	(773.29)	QIIP
ADDITION	11	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	16.33	QIIP
ADDITION	11	R26-05C1.14-P-0001	Unscheduled Main Replacements	1/0/1900	2605	C	331001	TD Mains Not Classified	2,978.90	QIIP
ADDITION	10	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	261.52	QIIP
ADDITION	11	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	310.89	QIIP
ADDITION	12	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	(44.32)	QIIP
ADDITION	12	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	(27,081.36)	QIIP
ADDITION	11	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	944.30	QIIP
ADDITION	12	R26-02C1.15-P-0001	Work Order	1/0/1900	2602	C	331001	TD Mains Not Classified	1,728.20	QIIP
ADDITION	12	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	483.49	QIIP
ADDITION	10	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	169.19	QIIP
ADDITION	12	R26-05C1.14-P-0001	Unscheduled Main Replacements	1/0/1900	2605	C	331001	TD Mains Not Classified	512.18	QIIP
ADDITION	12	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	(138.64)	QIIP

Type	Period	WBS	Description	In-Service Date	Profit center	Project #	Utility account	UA Naruc	Amount	Eligibility
ADDITION	12	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	(7.28)	QIIP
ADDITION	10	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	26,622.73	QIIP
ADDITION	12	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	(388.77)	QIIP
ADDITION	12	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	(1,803.45)	QIIP
ADDITION	11	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	10.94	QIIP
ADDITION	12	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	1,225.91	QIIP
ADDITION	10	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	(396.71)	QIIP
ADDITION	11	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	62.88	QIIP
ADDITION	11	R26-05C1.14-P-0001	Unscheduled Main Replacements	1/0/1900	2605	C	331001	TD Mains Not Classified	71.35	QIIP
ADDITION	11	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	(37,610.42)	QIIP
ADDITION	12	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	483.49	QIIP
ADDITION	10	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	(592.12)	QIIP
ADDITION	12	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	356.03	QIIP
ADDITION	10	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	1,772.90	QIIP
ADDITION	10	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	(11,270.67)	QIIP
ADDITION	12	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	17,315.71	QIIP
ADDITION	12	R26-02C1.14-P-0002	MEMORIAL DRIVE 16" MAIN REPAIR	9/22/2014	2602	C	331001	TD Mains Not Classified	(152.71)	QIIP
ADDITION	12	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	(20.42)	QIIP
ADDITION	10	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	261.52	QIIP
ADDITION	10	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	547.38	QIIP
ADDITION	12	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	(556.82)	QIIP
ADDITION	12	R26-02C1.14-P-0002	MEMORIAL DRIVE 16" MAIN REPAIR	9/22/2014	2602	C	331001	TD Mains Not Classified	(76.38)	QIIP
ADDITION	11	R26-05C1.14-P-0001	Unscheduled Main Replacements	1/0/1900	2605	C	331001	TD Mains Not Classified	420.90	QIIP
ADDITION	11	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	10.94	QIIP
ADDITION	12	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	23,334.48	QIIP
ADDITION	12	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	39,946.70	QIIP
ADDITION	11	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	19.42	QIIP
ADDITION	11	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	(1,154.21)	QIIP
ADDITION	11	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	(2,504.62)	QIIP
ADDITION	12	R26-05C1.14-P-0001	Unscheduled Main Replacements	1/0/1900	2605	C	331001	TD Mains Not Classified	1,613.32	QIIP
ADDITION	12	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	721.66	QIIP
ADDITION	12	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	1,565.99	QIIP
ADDITION	12	R26-05C1.14-P-0001	Unscheduled Main Replacements	1/0/1900	2605	C	331001	TD Mains Not Classified	583.91	QIIP
ADDITION	10	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	348.54	QIIP
ADDITION	10	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	252.53	QIIP
ADDITION	10	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	8,228.88	QIIP
ADDITION	12	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	118.67	QIIP
ADDITION	10	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	348.54	QIIP
ADDITION	12	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	1,153.12	QIIP
ADDITION	10	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	15,551.41	QIIP
ADDITION	10	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	1,128.87	QIIP
ADDITION	12	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	531.40	QIIP
ADDITION	12	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	356.03	QIIP
ADDITION	10	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	11.05	QIIP
ADDITION	10	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	11.05	QIIP
ADDITION	10	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	314.01	QIIP
ADDITION	10	R26-05C1.14-P-0001	Unscheduled Main Replacements	1/0/1900	2605	C	331001	TD Mains Not Classified	1,347.77	QIIP
ADDITION	12	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	(13.68)	QIIP
ADDITION	10	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	390.35	QIIP
ADDITION	12	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	(665.52)	QIIP
ADDITION	10	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	847.05	QIIP
ADDITION	10	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	12,719.63	QIIP

Type	Period	WBS	Description	In-Service Date	Profit center	Project #	Utility account	UA Naruc	Amount	Eligibility
ADDITION	10	R26-05C1.14-P-0001	Unscheduled Main Replacements	1/0/1900	2605	C	331001	TD Mains Not Classified	8,026.29	QIIP
ADDITION	12	R26-05C1.14-P-0001	Unscheduled Main Replacements	1/0/1900	2605	C	331001	TD Mains Not Classified	184.32	QIIP
ADDITION	12	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	(15,819.26)	QIIP
ADDITION	12	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	(556.82)	QIIP
ADDITION	10	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	893.12	QIIP
ADDITION	10	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	275.75	QIIP
ADDITION	10	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	411.59	QIIP
ADDITION	10	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	7,834.13	QIIP
ADDITION	11	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	532.20	QIIP
ADDITION	11	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	35.44	QIIP
ADDITION	12	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	821.33	QIIP
ADDITION	12	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	2,660.19	QIIP
ADDITION	12	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	821.33	QIIP
ADDITION	11	R26-05C1.14-P-0001	Unscheduled Main Replacements	1/0/1900	2605	C	331001	TD Mains Not Classified	696.59	QIIP
ADDITION	11	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	551.59	QIIP
ADDITION	11	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	28.98	QIIP
ADDITION	11	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	19.42	QIIP
ADDITION	11	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	(21,969.77)	QIIP
ADDITION	11	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	(773.29)	QIIP
ADDITION	10	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	16,951.64	QIIP
ADDITION	10	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	7,430.05	QIIP
ADDITION	12	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	(13.68)	QIIP
ADDITION	10	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	(396.71)	QIIP
ADDITION	12	R26-05C1.14-P-0001	Unscheduled Main Replacements	1/0/1900	2605	C	331001	TD Mains Not Classified	(58.51)	QIIP
ADDITION	12	R26-02C1.14-P-0002	MEMORIAL DRIVE 16" MAIN REPAIR	9/22/2014	2602	C	331001	TD Mains Not Classified	18,038.85	QIIP
ADDITION	12	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	13,736.45	QIIP
ADDITION	12	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	23,515.65	QIIP
ADDITION	12	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	(4.88)	QIIP
ADDITION	12	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	(237.34)	QIIP
ADDITION	12	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	(15.81)	QIIP
ADDITION	10	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	4,806.83	QIIP
ADDITION	12	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	79.51	QIIP
ADDITION	10	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	169.19	QIIP
ADDITION	12	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	2,258.70	QIIP
ADDITION	12	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	79.51	QIIP
ADDITION	12	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	3,866.74	QIIP
ADDITION	12	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	257.50	QIIP
ADDITION	10	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	547.99	QIIP
ADDITION	10	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	16.49	QIIP
ADDITION	10	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	817.02	QIIP
ADDITION	12	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	10,114.77	QIIP
ADDITION	10	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	547.38	QIIP
ADDITION	12	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	(4.88)	QIIP
ADDITION	10	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	537.54	QIIP
ADDITION	10	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	520.22	QIIP
ADDITION	10	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	35.80	QIIP
ADDITION	10	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	3,528.10	QIIP
ADDITION	10	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	234.95	QIIP
ADDITION	10	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	72.54	QIIP
ADDITION	10	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	72.54	QIIP
ADDITION	10	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	108.27	QIIP
ADDITION	10	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	2,060.91	QIIP

Type	Period	WBS	Description	In-Service Date	Profit center	Project #	Utility account	UA Naruc	Amount	Eligibility
ADDITION	12	R26-05C1.14-P-0001	Unscheduled Main Replacements	1/0/1900	2605	C	331001	TD Mains Not Classified	2,382.81	QIIP
ADDITION	10	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	9,902.14	QIIP
ADDITION	10	R26-05C1.14-P-0001	Unscheduled Main Replacements	1/0/1900	2605	C	331001	TD Mains Not Classified	1,196.12	QIIP
ADDITION	11	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	957.74	QIIP
ADDITION	11	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	31,208.37	QIIP
ADDITION	11	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	2,078.28	QIIP
ADDITION	11	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	641.66	QIIP
ADDITION	11	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	641.66	QIIP
ADDITION	11	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	18,230.08	QIIP
ADDITION	11	R26-05C1.14-P-0001	Unscheduled Main Replacements	1/0/1900	2605	C	331001	TD Mains Not Classified	1,386.72	QIIP
ADDITION	11	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	323.74	QIIP
ADDITION	11	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	15,745.62	QIIP
ADDITION	11	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	1,048.56	QIIP
ADDITION	11	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	323.74	QIIP
ADDITION	11	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	483.21	QIIP
ADDITION	11	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	9,197.65	QIIP
ADDITION	10	R26-05C1.14-P-0001	Unscheduled Main Replacements	1/0/1900	2605	C	331001	TD Mains Not Classified	5,387.35	QIIP
ADDITION	12	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	12.02	QIIP
ADDITION	10	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	(19,294.49)	QIIP
ADDITION	12	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	17.94	QIIP
ADDITION	12	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	341.50	QIIP
ADDITION	12	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	584.61	QIIP
ADDITION	12	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	38.93	QIIP
ADDITION	12	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	12.02	QIIP
ADDITION	10	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	275.75	QIIP
ADDITION	12	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	(831.10)	QIIP
ADDITION	10	R26-05C1.14-P-0001	Unscheduled Main Replacements	1/0/1900	2605	C	331001	TD Mains Not Classified	(2,911.70)	QIIP
ADDITION	10	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	(1,284.89)	QIIP
ADDITION	11	R26-05C1.14-P-0001	Unscheduled Main Replacements	1/0/1900	2605	C	331001	TD Mains Not Classified	2,752.76	QIIP
ADDITION	11	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	4,973.96	QIIP
ADDITION	11	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	331.23	QIIP
ADDITION	11	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	102.27	QIIP
ADDITION	11	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	102.27	QIIP
ADDITION	11	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	152.64	QIIP
ADDITION	11	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	2,905.50	QIIP
ADDITION	10	R26-02C1.14-P-0001	Mains-Unscheduled	1/0/1900	2602	C	331001	TD Mains Not Classified	13,411.43	QIIP
ADDITION	2	R26-02D1.14-P-0002	INSTALL 6" & 4" MAIN IN STRINGER ST	1/22/2014	2602	D	331001	TD Mains Not Classified	110.67	QIIP
ADDITION	2	R26-02D1.14-P-0002	INSTALL 6" & 4" MAIN IN STRINGER ST	1/22/2014	2602	D	331001	TD Mains Not Classified	110.69	QIIP
ADDITION	2	R26-02D1.14-P-0002	INSTALL 6" & 4" MAIN IN STRINGER ST	1/22/2014	2602	D	331001	TD Mains Not Classified	8,094.19	QIIP
ADDITION	2	R26-02D1.14-P-0002	INSTALL 6" & 4" MAIN IN STRINGER ST	1/22/2014	2602	D	331001	TD Mains Not Classified	8,094.22	QIIP
ADDITION	2	R26-02D1.14-P-0002	INSTALL 6" & 4" MAIN IN STRINGER ST	1/22/2014	2602	D	331001	TD Mains Not Classified	(4.23)	QIIP
ADDITION	2	R26-02D1.14-P-0002	INSTALL 6" & 4" MAIN IN STRINGER ST	1/22/2014	2602	D	331001	TD Mains Not Classified	(4.23)	QIIP
ADDITION	2	R26-02D1.14-P-0002	INSTALL 6" & 4" MAIN IN STRINGER ST	1/22/2014	2602	D	331001	TD Mains Not Classified	655.55	QIIP
ADDITION	2	R26-02D1.14-P-0002	INSTALL 6" & 4" MAIN IN STRINGER ST	1/22/2014	2602	D	331001	TD Mains Not Classified	655.56	QIIP
ADDITION	2	R26-02D1.14-P-0002	INSTALL 6" & 4" MAIN IN STRINGER ST	1/22/2014	2602	D	331001	TD Mains Not Classified	5,481.37	QIIP
ADDITION	2	R26-02D1.14-P-0002	INSTALL 6" & 4" MAIN IN STRINGER ST	1/22/2014	2602	D	331001	TD Mains Not Classified	5,481.37	QIIP
ADDITION	3	R26-02D1.14-P-0002	INSTALL 6" & 4" MAIN IN STRINGER ST	1/22/2014	2602	D	331001	TD Mains Not Classified	208.51	QIIP
ADDITION	3	R26-02D1.14-P-0002	INSTALL 6" & 4" MAIN IN STRINGER ST	1/22/2014	2602	D	331001	TD Mains Not Classified	208.52	QIIP
ADDITION	3	R26-02D1.14-P-0002	INSTALL 6" & 4" MAIN IN STRINGER ST	1/22/2014	2602	D	331001	TD Mains Not Classified	2,322.14	QIIP
ADDITION	3	R26-02D1.14-P-0002	INSTALL 6" & 4" MAIN IN STRINGER ST	1/22/2014	2602	D	331001	TD Mains Not Classified	2,322.15	QIIP
ADDITION	3	R26-02D1.14-P-0002	INSTALL 6" & 4" MAIN IN STRINGER ST	1/22/2014	2602	D	331001	TD Mains Not Classified	(5,536.09)	QIIP
ADDITION	3	R26-02D1.14-P-0002	INSTALL 6" & 4" MAIN IN STRINGER ST	1/22/2014	2602	D	331001	TD Mains Not Classified	(5,536.10)	QIIP

Type	Period	WBS	Description	In-Service Date	Profit center	Project #	Utility account	UA Naruc	Amount	Eligibility
ADDITION	3	R26-02D1.14-P-0002	INSTALL 6" & 4" MAIN IN STRINGER ST	1/22/2014	2602	D	331001	TD Mains Not Classified	3,159.23	QIIP
ADDITION	3	R26-02D1.14-P-0002	INSTALL 6" & 4" MAIN IN STRINGER ST	1/22/2014	2602	D	331001	TD Mains Not Classified	3,159.23	QIIP
ADDITION	3	R26-02D1.14-P-0002	INSTALL 6" & 4" MAIN IN STRINGER ST	1/22/2014	2602	D	331001	TD Mains Not Classified	(0.91)	QIIP
ADDITION	3	R26-02D1.14-P-0002	INSTALL 6" & 4" MAIN IN STRINGER ST	1/22/2014	2602	D	331001	TD Mains Not Classified	(0.91)	QIIP
ADDITION	4	R26-02D1.14-P-0007	OCHS HIGHWAY @ GUILD TRAIL RELOCATI	3/27/2014	2602	D	331001	TD Mains Not Classified	17,816.54	QIIP
ADDITION	4	R26-02D1.14-P-0002	INSTALL 6" & 4" MAIN IN STRINGER ST	1/22/2014	2602	D	331001	TD Mains Not Classified	(3,159.23)	QIIP
ADDITION	4	R26-02D1.14-P-0007	OCHS HIGHWAY @ GUILD TRAIL RELOCATI	3/27/2014	2602	D	331001	TD Mains Not Classified	42.16	QIIP
ADDITION	4	R26-02D1.14-P-0002	INSTALL 6" & 4" MAIN IN STRINGER ST	1/22/2014	2602	D	331001	TD Mains Not Classified	290.65	QIIP
ADDITION	6	R26-02D1.14-P-0007	OCHS HIGHWAY @ GUILD TRAIL RELOCATI	3/27/2014	2602	D	331001	TD Mains Not Classified	991.10	QIIP
ADDITION	6	R26-02D1.14-P-0007	OCHS HIGHWAY @ GUILD TRAIL RELOCATI	3/27/2014	2602	D	333000	Services	16.59	QIIP
ADDITION	6	R26-02D1.14-P-0002	INSTALL 6" & 4" MAIN IN STRINGER ST	1/22/2014	2602	D	331001	TD Mains Not Classified	78.60	QIIP
ADDITION	4	R26-02D1.14-P-0007	OCHS HIGHWAY @ GUILD TRAIL RELOCATI	3/27/2014	2602	D	331001	TD Mains Not Classified	(7.62)	QIIP
ADDITION	4	R26-02D1.14-P-0002	INSTALL 6" & 4" MAIN IN STRINGER ST	1/22/2014	2602	D	331001	TD Mains Not Classified	(3,159.23)	QIIP
ADDITION	4	R26-02D1.14-P-0007	OCHS HIGHWAY @ GUILD TRAIL RELOCATI	3/27/2014	2602	D	331001	TD Mains Not Classified	5,498.35	QIIP
ADDITION	6	R26-02D1.14-P-0002	INSTALL 6" & 4" MAIN IN STRINGER ST	1/22/2014	2602	D	331001	TD Mains Not Classified	854.35	QIIP
ADDITION	4	R26-02D1.14-P-0002	INSTALL 6" & 4" MAIN IN STRINGER ST	1/22/2014	2602	D	331001	TD Mains Not Classified	290.65	QIIP
ADDITION	6	R26-02D1.14-P-0002	INSTALL 6" & 4" MAIN IN STRINGER ST	1/22/2014	2602	D	331001	TD Mains Not Classified	78.60	QIIP
ADDITION	6	R26-02D1.14-P-0007	OCHS HIGHWAY @ GUILD TRAIL RELOCATI	3/27/2014	2602	D	331001	TD Mains Not Classified	(1,461.79)	QIIP
ADDITION	5	R26-02D1.14-P-0007	OCHS HIGHWAY @ GUILD TRAIL RELOCATI	3/27/2014	2602	D	331001	TD Mains Not Classified	34.37	QIIP
ADDITION	5	R26-02D1.14-P-0007	OCHS HIGHWAY @ GUILD TRAIL RELOCATI	3/27/2014	2602	D	331001	TD Mains Not Classified	(6.37)	QIIP
ADDITION	6	R26-02D1.14-P-0007	OCHS HIGHWAY @ GUILD TRAIL RELOCATI	3/27/2014	2602	D	331001	TD Mains Not Classified	876.49	QIIP
ADDITION	6	R26-02D1.14-P-0007	OCHS HIGHWAY @ GUILD TRAIL RELOCATI	3/27/2014	2602	D	333000	Services	14.67	QIIP
ADDITION	6	R26-02D1.14-P-0002	INSTALL 6" & 4" MAIN IN STRINGER ST	1/22/2014	2602	D	331001	TD Mains Not Classified	854.36	QIIP
ADDITION	5	R26-02D1.14-P-0007	OCHS HIGHWAY @ GUILD TRAIL RELOCATI	3/27/2014	2602	D	331001	TD Mains Not Classified	(17,816.54)	QIIP
ADDITION	6	R26-02D1.14-P-0007	OCHS HIGHWAY @ GUILD TRAIL RELOCATI	3/27/2014	2602	D	331001	TD Mains Not Classified	1,058.46	QIIP
ADDITION	6	R26-02D1.14-P-0007	OCHS HIGHWAY @ GUILD TRAIL RELOCATI	3/27/2014	2602	D	333000	Services	17.71	QIIP
ADDITION	5	R26-02D1.14-P-0007	OCHS HIGHWAY @ GUILD TRAIL RELOCATI	3/27/2014	2602	D	331001	TD Mains Not Classified	8.22	QIIP
ADDITION	5	R26-02D1.14-P-0007	OCHS HIGHWAY @ GUILD TRAIL RELOCATI	3/27/2014	2602	D	331001	TD Mains Not Classified	10,447.61	QIIP
ADDITION	5	R26-02D1.14-P-0007	OCHS HIGHWAY @ GUILD TRAIL RELOCATI	3/27/2014	2602	D	331001	TD Mains Not Classified	(111.82)	QIIP
ADDITION	4	R26-02D1.14-P-0007	OCHS HIGHWAY @ GUILD TRAIL RELOCATI	3/27/2014	2602	D	331001	TD Mains Not Classified	25.64	QIIP
ADDITION	4	R26-02D1.14-P-0002	INSTALL 6" & 4" MAIN IN STRINGER ST	1/22/2014	2602	D	331001	TD Mains Not Classified	3,159.22	QIIP
ADDITION	4	R26-02D1.14-P-0002	INSTALL 6" & 4" MAIN IN STRINGER ST	1/22/2014	2602	D	331001	TD Mains Not Classified	3,159.23	QIIP
ADDITION	7	R26-02D1.14-P-0007	OCHS HIGHWAY @ GUILD TRAIL RELOCATI	3/27/2014	2602	D	331001	TD Mains Not Classified	6.15	QIIP
ADDITION	7	R26-02D1.14-P-0007	OCHS HIGHWAY @ GUILD TRAIL RELOCATI	3/27/2014	2602	D	333000	Services	0.10	QIIP
ADDITION	7	R26-02D1.14-P-0007	OCHS HIGHWAY @ GUILD TRAIL RELOCATI	3/27/2014	2602	D	331001	TD Mains Not Classified	66.80	QIIP
ADDITION	7	R26-02D1.14-P-0007	OCHS HIGHWAY @ GUILD TRAIL RELOCATI	3/27/2014	2602	D	333000	Services	1.12	QIIP
ADDITION	12	R26-02D1.14-P-0011	Seneca Ave Offset 8" Main around 2	11/21/2014	2602	D	331001	TD Mains Not Classified	(7.04)	QIIP
ADDITION	12	R26-02D1.14-P-0011	Seneca Ave Offset 8" Main around 2	11/21/2014	2602	D	331001	TD Mains Not Classified	2,314.02	QIIP
ADDITION	12	R26-02D1.14-P-0011	Seneca Ave Offset 8" Main around 2	11/21/2014	2602	D	331001	TD Mains Not Classified	18,226.88	QIIP
ADDITION	12	R26-02D1.14-P-0011	Seneca Ave Offset 8" Main around 2	11/21/2014	2602	D	331001	TD Mains Not Classified	(10.28)	QIIP
ADDITION	12	R26-02D1.14-P-0007	OCHS HIGHWAY @ GUILD TRAIL RELOCATI	3/27/2014	2602	D	333000	Services	288.33	QIIP
ADDITION	12	R26-02D1.14-P-0007	OCHS HIGHWAY @ GUILD TRAIL RELOCATI	3/27/2014	2602	D	331001	TD Mains Not Classified	830.17	QIIP
ADDITION	12	R26-02D1.14-P-0007	OCHS HIGHWAY @ GUILD TRAIL RELOCATI	3/27/2014	2602	D	331001	TD Mains Not Classified	16,399.44	QIIP
ADDITION	12	R26-02D1.14-P-0002	INSTALL 6" & 4" MAIN IN STRINGER ST	1/22/2014	2602	D	331001	TD Mains Not Classified	681.37	QIIP
ADDITION	12	R26-02D1.14-P-0002	INSTALL 6" & 4" MAIN IN STRINGER ST	1/22/2014	2602	D	331001	TD Mains Not Classified	17,222.54	QIIP
ADDITION	12	R26-02D1.14-P-0002	INSTALL 6" & 4" MAIN IN STRINGER ST	1/22/2014	2602	D	331001	TD Mains Not Classified	13,412.54	QIIP
ADDITION	12	R26-02D1.14-P-0002	INSTALL 6" & 4" MAIN IN STRINGER ST	1/22/2014	2602	D	331001	TD Mains Not Classified	111.68	QIIP
ADDITION	12	R26-02D1.14-P-0007	OCHS HIGHWAY @ GUILD TRAIL RELOCATI	3/27/2014	2602	D	331001	TD Mains Not Classified	(17,467.75)	QIIP
ADDITION	12	R26-02D1.14-P-0007	OCHS HIGHWAY @ GUILD TRAIL RELOCATI	3/27/2014	2602	D	333000	Services	(50.19)	QIIP
ADDITION	12	R26-02D1.14-P-0002	INSTALL 6" & 4" MAIN IN STRINGER ST	1/22/2014	2602	D	331001	TD Mains Not Classified	(8,204.86)	QIIP
ADDITION	12	R26-02D1.14-P-0002	INSTALL 6" & 4" MAIN IN STRINGER ST	1/22/2014	2602	D	331001	TD Mains Not Classified	(8,204.91)	QIIP
ADDITION	12	R26-02D1.14-P-0002	INSTALL 6" & 4" MAIN IN STRINGER ST	1/22/2014	2602	D	331001	TD Mains Not Classified	(443.52)	QIIP

Type	Period	WBS	Description	In-Service Date	Profit center	Project #	Utility account	UA Naruc	Amount	Eligibility
ADDITION	12	R26-02D1.14-P-0002	INSTALL 6" & 4" MAIN IN STRINGER ST	1/22/2014	2602	D	331001	TD Mains Not Classified	(443.54)	QIIP
ADDITION	12	R26-02D1.14-P-0002	INSTALL 6" & 4" MAIN IN STRINGER ST	1/22/2014	2602	D	331001	TD Mains Not Classified	(6,132.69)	QIIP
ADDITION	12	R26-02D1.14-P-0002	INSTALL 6" & 4" MAIN IN STRINGER ST	1/22/2014	2602	D	331001	TD Mains Not Classified	(932.95)	QIIP
ADDITION	12	R26-02D1.14-P-0002	INSTALL 6" & 4" MAIN IN STRINGER ST	1/22/2014	2602	D	331001	TD Mains Not Classified	(932.96)	QIIP
ADDITION	12	R26-02D1.14-P-0002	INSTALL 6" & 4" MAIN IN STRINGER ST	1/22/2014	2602	D	331001	TD Mains Not Classified	(6,132.70)	QIIP
ADDITION	1	R26-02E1.13-P-0001	Hydrants Valves and Manholes-New-BI	1/0/1900	2602	E	335000	Hydrants	(11.63)	EDI
ADDITION	1	R26-02E1.13-P-0001	Hydrants Valves and Manholes-New-BI	1/0/1900	2602	E	335000	Hydrants	(389.18)	EDI
ADDITION	1	R26-02E1.13-P-0001	Hydrants Valves and Manholes-New-BI	1/0/1900	2602	E	331001	TD Mains Not Classified	(496.69)	EDI
ADDITION	1	R26-02E1.13-P-0001	Hydrants Valves and Manholes-New-BI	1/0/1900	2602	E	331001	TD Mains Not Classified	(14.85)	EDI
ADDITION	2	R26-02E1.13-P-0001	Hydrants Valves and Manholes-New-BI	1/0/1900	2602	E	335000	Hydrants	140.00	EDI
ADDITION	2	R26-02E1.13-P-0001	Hydrants Valves and Manholes-New-BI	1/0/1900	2602	E	331001	TD Mains Not Classified	178.68	EDI
ADDITION	2	R26-02E1.13-P-0001	Hydrants Valves and Manholes-New-BI	1/0/1900	2602	E	335000	Hydrants	413.58	EDI
ADDITION	2	R26-02E1.13-P-0001	Hydrants Valves and Manholes-New-BI	1/0/1900	2602	E	331001	TD Mains Not Classified	527.80	EDI
ADDITION	3	R26-02E1.13-P-0001	Hydrants Valves and Manholes-New-BI	1/0/1900	2602	E	335000	Hydrants	6.65	EDI
ADDITION	3	R26-02E1.13-P-0001	Hydrants Valves and Manholes-New-BI	1/0/1900	2602	E	331001	TD Mains Not Classified	8.48	EDI
ADDITION	3	R26-02E1.13-P-0001	Hydrants Valves and Manholes-New-BI	1/0/1900	2602	E	335000	Hydrants	72.28	EDI
ADDITION	3	R26-02E1.13-P-0001	Hydrants Valves and Manholes-New-BI	1/0/1900	2602	E	331001	TD Mains Not Classified	92.23	EDI
ADDITION	1	R26-02E1.14-P-0001	Hydrants - Valves and Manholes-New	1/0/1900	2602	E	335000	Hydrants	1,673.00	EDI
ADDITION	2	R26-02E1.14-P-0001	Hydrants - Valves and Manholes-New	1/0/1900	2602	E	335000	Hydrants	3,445.48	EDI
ADDITION	2	R26-02E1.14-P-0001	Hydrants - Valves and Manholes-New	1/0/1900	2602	E	335000	Hydrants	470.90	EDI
ADDITION	2	R26-02E1.14-P-0001	Hydrants - Valves and Manholes-New	1/0/1900	2602	E	335000	Hydrants	630.00	EDI
ADDITION	3	R26-02E1.14-P-0001	Hydrants - Valves and Manholes-New	1/0/1900	2602	E	335000	Hydrants	(630.00)	EDI
ADDITION	1	R26-05E1.14-P-0001	Work Order	1/0/1900	2605	E	335000	Hydrants	2,360.05	EDI
ADDITION	2	R26-05E1.14-P-0001	Work Order	1/0/1900	2605	E	335000	Hydrants	230.10	EDI
ADDITION	2	R26-05E1.14-P-0001	Work Order	1/0/1900	2605	E	335000	Hydrants	238.29	EDI
ADDITION	4	R26-02E1.14-P-0001	Hydrants - Valves and Manholes-New	1/0/1900	2602	E	335000	Hydrants	4.40	EDI
ADDITION	4	R26-02E1.14-P-0001	Hydrants - Valves and Manholes-New	1/0/1900	2602	E	335000	Hydrants	47.79	EDI
ADDITION	4	R26-02E1.13-P-0001	Hydrants Valves and Manholes-New-BI	1/0/1900	2602	E	331001	TD Mains Not Classified	634.19	EDI
ADDITION	4	R26-02E1.13-P-0001	Hydrants Valves and Manholes-New-BI	1/0/1900	2602	E	335000	Hydrants	496.93	EDI
ADDITION	6	R26-02E1.14-P-0004	Inserta Valve 8" on Windtower Lane	6/23/2014	2602	E	331001	TD Mains Not Classified	25.57	EDI
ADDITION	6	R26-02E1.14-P-0003	Install a inserta valve at Moccasin	6/30/2014	2602	E	331001	TD Mains Not Classified	5,962.51	EDI
ADDITION	6	R26-02E1.13-P-0001	Hydrants Valves and Manholes-New-BI	1/0/1900	2602	E	335000	Hydrants	74.77	EDI
ADDITION	6	R26-02E1.13-P-0001	Hydrants Valves and Manholes-New-BI	1/0/1900	2602	E	331001	TD Mains Not Classified	95.42	EDI
ADDITION	4	R26-05E1.14-P-0001	Work Order	1/0/1900	2605	E	335000	Hydrants	237.37	EDI
ADDITION	6	R26-02E1.13-P-0001	Hydrants Valves and Manholes-New-BI	1/0/1900	2602	E	335000	Hydrants	812.69	EDI
ADDITION	6	R26-02E1.13-P-0001	Hydrants Valves and Manholes-New-BI	1/0/1900	2602	E	331001	TD Mains Not Classified	1,037.16	EDI
ADDITION	6	R26-02E1.14-P-0003	Install a inserta valve at Moccasin	6/30/2014	2602	E	331001	TD Mains Not Classified	17.97	EDI
ADDITION	6	R26-02E1.14-P-0004	Inserta Valve 8" on Windtower Lane	6/23/2014	2602	E	331001	TD Mains Not Classified	18.39	EDI
ADDITION	4	R26-02E1.14-P-0001	Hydrants - Valves and Manholes-New	1/0/1900	2602	E	335000	Hydrants	2,220.10	EDI
ADDITION	5	R26-02E1.14-P-0001	Hydrants - Valves and Manholes-New	1/0/1900	2602	E	335000	Hydrants	8,143.42	EDI
ADDITION	5	R26-02E1.13-P-0001	Hydrants Valves and Manholes-New-BI	1/0/1900	2602	E	335000	Hydrants	(2,866.39)	EDI
ADDITION	5	R26-02E1.13-P-0001	Hydrants Valves and Manholes-New-BI	1/0/1900	2602	E	331001	TD Mains Not Classified	(3,658.11)	EDI
ADDITION	6	R26-02E1.14-P-0004	Inserta Valve 8" on Windtower Lane	6/23/2014	2602	E	331001	TD Mains Not Classified	6,225.38	EDI
ADDITION	5	R26-02E1.14-P-0001	Hydrants - Valves and Manholes-New	1/0/1900	2602	E	335000	Hydrants	315.00	EDI
ADDITION	5	R26-02E1.14-P-0001	Hydrants - Valves and Manholes-New	1/0/1900	2602	E	335000	Hydrants	785.92	EDI
ADDITION	5	R26-02E1.13-P-0001	Hydrants Valves and Manholes-New-BI	1/0/1900	2602	E	335000	Hydrants	(263.71)	EDI
ADDITION	5	R26-02E1.13-P-0001	Hydrants Valves and Manholes-New-BI	1/0/1900	2602	E	331001	TD Mains Not Classified	(336.54)	EDI
ADDITION	5	R26-02E1.14-P-0001	Hydrants - Valves and Manholes-New	1/0/1900	2602	E	335000	Hydrants	(2,220.10)	EDI
ADDITION	4	R26-05E1.14-P-0001	Work Order	1/0/1900	2605	E	335000	Hydrants	2,580.07	EDI
ADDITION	5	R26-02E1.14-P-0001	Hydrants - Valves and Manholes-New	1/0/1900	2602	E	335000	Hydrants	84.15	EDI
ADDITION	4	R26-02E1.13-P-0001	Hydrants Valves and Manholes-New-BI	1/0/1900	2602	E	335000	Hydrants	5,401.46	EDI
ADDITION	4	R26-02E1.13-P-0001	Hydrants Valves and Manholes-New-BI	1/0/1900	2602	E	331001	TD Mains Not Classified	6,893.34	EDI

Type	Period	WBS	Description	In-Service Date	Profit center	Project #	Utility account	UA Naruc	Amount	Eligibility
ADDITION	9	R26-02E1.14-P-0001	Hydrants - Valves and Manholes-New	1/0/1900	2602	E	335000	Hydrants	0.83	EDI
ADDITION	9	R26-02E1.14-P-0001	Hydrants - Valves and Manholes-New	1/0/1900	2602	E	331001	TD Mains Not Classified	185.86	EDI
ADDITION	9	R26-02E1.14-P-0001	Hydrants - Valves and Manholes-New	1/0/1900	2602	E	331001	TD Mains Not Classified	0.16	EDI
ADDITION	9	R26-02E1.14-P-0001	Hydrants - Valves and Manholes-New	1/0/1900	2602	E	335000	Hydrants	977.49	EDI
ADDITION	9	R26-02E1.14-P-0001	Hydrants - Valves and Manholes-New	1/0/1900	2602	E	331001	TD Mains Not Classified	(11.13)	EDI
ADDITION	9	R26-02E1.14-P-0001	Hydrants - Valves and Manholes-New	1/0/1900	2602	E	335000	Hydrants	(9.22)	EDI
ADDITION	9	R26-02E1.14-P-0001	Hydrants - Valves and Manholes-New	1/0/1900	2602	E	331001	TD Mains Not Classified	(1.75)	EDI
ADDITION	9	R26-02E1.14-P-0001	Hydrants - Valves and Manholes-New	1/0/1900	2602	E	331001	TD Mains Not Classified	1,179.59	EDI
ADDITION	9	R26-02E1.14-P-0001	Hydrants - Valves and Manholes-New	1/0/1900	2602	E	335000	Hydrants	2,490.72	EDI
ADDITION	9	R26-02E1.14-P-0001	Hydrants - Valves and Manholes-New	1/0/1900	2602	E	331001	TD Mains Not Classified	473.60	EDI
ADDITION	9	R26-02E1.14-P-0001	Hydrants - Valves and Manholes-New	1/0/1900	2602	E	331001	TD Mains Not Classified	1.01	EDI
ADDITION	9	R26-02E1.14-P-0001	Hydrants - Valves and Manholes-New	1/0/1900	2602	E	335000	Hydrants	(1,078.51)	EDI
ADDITION	9	R26-02E1.14-P-0001	Hydrants - Valves and Manholes-New	1/0/1900	2602	E	331001	TD Mains Not Classified	(205.07)	EDI
ADDITION	7	R26-02E1.13-P-0001	Hydrants Valves and Manholes-New-BI	1/0/1900	2602	E	335000	Hydrants	165.10	EDI
ADDITION	8	R26-02E1.14-P-0001	Hydrants - Valves and Manholes-New	1/0/1900	2602	E	331001	TD Mains Not Classified	1,128.23	EDI
ADDITION	8	R26-02E1.14-P-0001	Hydrants - Valves and Manholes-New	1/0/1900	2602	E	335000	Hydrants	934.93	EDI
ADDITION	8	R26-02E1.14-P-0001	Hydrants - Valves and Manholes-New	1/0/1900	2602	E	331001	TD Mains Not Classified	177.78	EDI
ADDITION	8	R26-02E1.13-P-0001	Hydrants Valves and Manholes-New-BI	1/0/1900	2602	E	335000	Hydrants	149.84	EDI
ADDITION	8	R26-02E1.13-P-0001	Hydrants Valves and Manholes-New-BI	1/0/1900	2602	E	331001	TD Mains Not Classified	191.23	EDI
ADDITION	8	R26-02E1.14-P-0001	Hydrants - Valves and Manholes-New	1/0/1900	2602	E	331001	TD Mains Not Classified	821.96	EDI
ADDITION	8	R26-02E1.14-P-0001	Hydrants - Valves and Manholes-New	1/0/1900	2602	E	335000	Hydrants	681.13	EDI
ADDITION	8	R26-02E1.14-P-0001	Hydrants - Valves and Manholes-New	1/0/1900	2602	E	331001	TD Mains Not Classified	129.51	EDI
ADDITION	8	R26-02E1.14-P-0001	Hydrants - Valves and Manholes-New	1/0/1900	2602	E	335000	Hydrants	(1,764.17)	EDI
ADDITION	9	R26-02E1.14-P-0001	Hydrants - Valves and Manholes-New	1/0/1900	2602	E	331001	TD Mains Not Classified	(1,301.49)	EDI
ADDITION	8	R26-02E1.14-P-0001	Hydrants - Valves and Manholes-New	1/0/1900	2602	E	331001	TD Mains Not Classified	123.52	EDI
ADDITION	8	R26-02E1.14-P-0001	Hydrants - Valves and Manholes-New	1/0/1900	2602	E	335000	Hydrants	102.36	EDI
ADDITION	8	R26-02E1.14-P-0001	Hydrants - Valves and Manholes-New	1/0/1900	2602	E	331001	TD Mains Not Classified	19.46	EDI
ADDITION	8	R26-02E1.13-P-0001	Hydrants Valves and Manholes-New-BI	1/0/1900	2602	E	335000	Hydrants	13.79	EDI
ADDITION	8	R26-02E1.13-P-0001	Hydrants Valves and Manholes-New-BI	1/0/1900	2602	E	331001	TD Mains Not Classified	17.59	EDI
ADDITION	8	R26-02E1.14-P-0001	Hydrants - Valves and Manholes-New	1/0/1900	2602	E	331001	TD Mains Not Classified	936.45	EDI
ADDITION	8	R26-02E1.14-P-0001	Hydrants - Valves and Manholes-New	1/0/1900	2602	E	331001	TD Mains Not Classified	147.55	EDI
ADDITION	8	R26-02E1.14-P-0001	Hydrants - Valves and Manholes-New	1/0/1900	2602	E	335000	Hydrants	776.00	EDI
ADDITION	7	R26-02E1.14-P-0001	Hydrants - Valves and Manholes-New	1/0/1900	2602	E	335000	Hydrants	1,962.60	EDI
ADDITION	7	R26-05E1.14-P-0001	Work Order	1/0/1900	2605	E	335000	Hydrants	90.97	EDI
ADDITION	7	R26-02E1.13-P-0001	Hydrants Valves and Manholes-New-BI	1/0/1900	2602	E	335000	Hydrants	15.19	EDI
ADDITION	7	R26-02E1.13-P-0001	Hydrants Valves and Manholes-New-BI	1/0/1900	2602	E	331001	TD Mains Not Classified	19.38	EDI
ADDITION	9	R26-02E1.14-P-0001	Hydrants - Valves and Manholes-New	1/0/1900	2602	E	331001	TD Mains Not Classified	3,005.68	EDI
ADDITION	7	R26-05E1.14-P-0001	Work Order	1/0/1900	2605	E	335000	Hydrants	988.75	EDI
ADDITION	7	R26-02E1.13-P-0001	Hydrants Valves and Manholes-New-BI	1/0/1900	2602	E	331001	TD Mains Not Classified	210.69	EDI
ADDITION	10	R26-02E1.14-P-0001	Hydrants - Valves and Manholes-New	1/0/1900	2602	E	335000	Hydrants	688.39	EDI
ADDITION	11	R26-02E1.14-P-0005	RELOCATE FH ON CHICKAMAUGA AVE @GRA	11/7/2014	2602	E	335000	Hydrants	1,581.67	EDI
ADDITION	12	R26-02E1.14-P-0001	Hydrants - Valves and Manholes-New	1/0/1900	2602	E	331001	TD Mains Not Classified	30.11	EDI
ADDITION	10	R26-02E1.14-P-0001	Hydrants - Valves and Manholes-New	1/0/1900	2602	E	335000	Hydrants	350.45	EDI
ADDITION	12	R26-02E1.14-P-0001	Hydrants - Valves and Manholes-New	1/0/1900	2602	E	331001	TD Mains Not Classified	0.36	EDI
ADDITION	10	R26-02E1.14-P-0001	Hydrants - Valves and Manholes-New	1/0/1900	2602	E	331001	TD Mains Not Classified	830.72	EDI
ADDITION	12	R26-02E1.14-P-0001	Hydrants - Valves and Manholes-New	1/0/1900	2602	E	331001	TD Mains Not Classified	61.32	EDI
ADDITION	12	R26-02E1.15-P-0001	Work Order	1/0/1900	2602	E	335000	Hydrants	772.95	EDI
ADDITION	12	R26-02E1.14-P-0005	RELOCATE FH ON CHICKAMAUGA AVE @GRA	11/7/2014	2602	E	335000	Hydrants	(297.44)	EDI
ADDITION	10	R26-02E1.14-P-0001	Hydrants - Valves and Manholes-New	1/0/1900	2602	E	335000	Hydrants	1,664.40	EDI
ADDITION	11	R26-02E1.14-P-0001	Hydrants - Valves and Manholes-New	1/0/1900	2602	E	331001	TD Mains Not Classified	15.50	EDI
ADDITION	11	R26-02E1.14-P-0001	Hydrants - Valves and Manholes-New	1/0/1900	2602	E	331001	TD Mains Not Classified	(76.28)	EDI
ADDITION	10	R26-02E1.14-P-0001	Hydrants - Valves and Manholes-New	1/0/1900	2602	E	331001	TD Mains Not Classified	66.64	EDI

Type	Period	WBS	Description	In-Service Date	Profit center	Project #	Utility account	UA Naruc	Amount	Eligibility
ADDITION	12	R26-02E1.14-P-0001	Hydrants - Valves and Manholes-New	1/0/1900	2602	E	331001	TD Mains Not Classified	0.26	EDI
ADDITION	12	R26-02E1.14-P-0001	Hydrants - Valves and Manholes-New	1/0/1900	2602	E	331001	TD Mains Not Classified	1.69	EDI
ADDITION	12	R26-02E1.14-P-0001	Hydrants - Valves and Manholes-New	1/0/1900	2602	E	331001	TD Mains Not Classified	2.25	EDI
ADDITION	10	R26-02E1.14-P-0001	Hydrants - Valves and Manholes-New	1/0/1900	2602	E	331001	TD Mains Not Classified	2,008.52	EDI
ADDITION	12	R26-02E1.14-P-0001	Hydrants - Valves and Manholes-New	1/0/1900	2602	E	335000	Hydrants	(53.18)	EDI
ADDITION	10	R26-02E1.14-P-0001	Hydrants - Valves and Manholes-New	1/0/1900	2602	E	335000	Hydrants	(2,905.21)	EDI
ADDITION	11	R26-02E1.14-P-0005	RELOCATE FH ON CHICKAMAUGA AVE @GRA	11/7/2014	2602	E	335000	Hydrants	470.53	EDI
ADDITION	11	R26-02E1.14-P-0001	Hydrants - Valves and Manholes-New	1/0/1900	2602	E	331001	TD Mains Not Classified	2.44	EDI
ADDITION	11	R26-02E1.14-P-0001	Hydrants - Valves and Manholes-New	1/0/1900	2602	E	335000	Hydrants	(401.19)	EDI
ADDITION	12	R26-02E1.14-P-0001	Hydrants - Valves and Manholes-New	1/0/1900	2602	E	335000	Hydrants	24.95	EDI
ADDITION	12	R26-02E1.14-P-0005	RELOCATE FH ON CHICKAMAUGA AVE @GRA	11/7/2014	2602	E	335000	Hydrants	12.96	EDI
ADDITION	12	R26-02E1.14-P-0001	Hydrants - Valves and Manholes-New	1/0/1900	2602	E	335000	Hydrants	1.39	EDI
ADDITION	12	R26-05E1.14-P-0001	Work Order	1/0/1900	2605	E	335000	Hydrants	45.92	EDI
ADDITION	10	R26-02E1.14-P-0001	Hydrants - Valves and Manholes-New	1/0/1900	2602	E	331001	TD Mains Not Classified	316.47	EDI
ADDITION	12	R26-02E1.14-P-0001	Hydrants - Valves and Manholes-New	1/0/1900	2602	E	331001	TD Mains Not Classified	(64.16)	EDI
ADDITION	12	R26-05E1.14-P-0001	Work Order	1/0/1900	2605	E	335000	Hydrants	(2.44)	EDI
ADDITION	12	R26-02E1.15-P-0001	Work Order	1/0/1900	2602	E	335000	Hydrants	(3.78)	EDI
ADDITION	10	R26-02E1.14-P-0001	Hydrants - Valves and Manholes-New	1/0/1900	2602	E	331001	TD Mains Not Classified	15.85	EDI
ADDITION	10	R26-02E1.14-P-0001	Hydrants - Valves and Manholes-New	1/0/1900	2602	E	335000	Hydrants	83.39	EDI
ADDITION	12	R26-02E1.14-P-0001	Hydrants - Valves and Manholes-New	1/0/1900	2602	E	335000	Hydrants	(322.48)	EDI
ADDITION	12	R26-02E1.14-P-0001	Hydrants - Valves and Manholes-New	1/0/1900	2602	E	331001	TD Mains Not Classified	(61.32)	EDI
ADDITION	10	R26-02E1.14-P-0001	Hydrants - Valves and Manholes-New	1/0/1900	2602	E	331001	TD Mains Not Classified	100.65	EDI
ADDITION	12	R26-02E1.14-P-0001	Hydrants - Valves and Manholes-New	1/0/1900	2602	E	331001	TD Mains Not Classified	(389.15)	EDI
ADDITION	12	R26-02E1.14-P-0005	RELOCATE FH ON CHICKAMAUGA AVE @GRA	11/7/2014	2602	E	335000	Hydrants	207.72	EDI
ADDITION	11	R26-02E1.14-P-0001	Hydrants - Valves and Manholes-New	1/0/1900	2602	E	335000	Hydrants	12.85	EDI
ADDITION	11	R26-02E1.14-P-0001	Hydrants - Valves and Manholes-New	1/0/1900	2602	E	331001	TD Mains Not Classified	(484.16)	EDI
ADDITION	12	R26-05E1.14-P-0001	Work Order	1/0/1900	2605	E	335000	Hydrants	499.13	EDI
ADDITION	12	R26-02E1.14-P-0005	RELOCATE FH ON CHICKAMAUGA AVE @GRA	11/7/2014	2602	E	335000	Hydrants	(28.92)	EDI
ADDITION	10	R26-02E1.14-P-0001	Hydrants - Valves and Manholes-New	1/0/1900	2602	E	331001	TD Mains Not Classified	130.89	EDI
ADDITION	12	R26-02E1.14-P-0001	Hydrants - Valves and Manholes-New	1/0/1900	2602	E	331001	TD Mains Not Classified	4.74	EDI
ADDITION	10	R26-02E1.14-P-0001	Hydrants - Valves and Manholes-New	1/0/1900	2602	E	331001	TD Mains Not Classified	422.91	EDI
ADDITION	12	R26-02E1.14-P-0001	Hydrants - Valves and Manholes-New	1/0/1900	2602	E	335000	Hydrants	1.87	EDI
ADDITION	12	R26-02E1.14-P-0001	Hydrants - Valves and Manholes-New	1/0/1900	2602	E	331001	TD Mains Not Classified	389.15	EDI
ADDITION	12	R26-02E1.14-P-0001	Hydrants - Valves and Manholes-New	1/0/1900	2602	E	335000	Hydrants	322.48	EDI
ADDITION	10	R26-02E1.14-P-0001	Hydrants - Valves and Manholes-New	1/0/1900	2602	E	331001	TD Mains Not Classified	(6.52)	EDI
ADDITION	10	R26-02E1.14-P-0001	Hydrants - Valves and Manholes-New	1/0/1900	2602	E	335000	Hydrants	(34.27)	EDI
ADDITION	10	R26-02E1.14-P-0001	Hydrants - Valves and Manholes-New	1/0/1900	2602	E	331001	TD Mains Not Classified	(41.34)	EDI
ADDITION	11	R26-02E1.14-P-0005	RELOCATE FH ON CHICKAMAUGA AVE @GRA	11/7/2014	2602	E	335000	Hydrants	438.37	EDI
ADDITION	11	R26-02E1.14-P-0001	Hydrants - Valves and Manholes-New	1/0/1900	2602	E	331001	TD Mains Not Classified	36.19	EDI
ADDITION	11	R26-02E1.14-P-0001	Hydrants - Valves and Manholes-New	1/0/1900	2602	E	335000	Hydrants	190.36	EDI
ADDITION	11	R26-02E1.14-P-0001	Hydrants - Valves and Manholes-New	1/0/1900	2602	E	331001	TD Mains Not Classified	229.72	EDI
ADDITION	11	R26-02E1.14-P-0005	RELOCATE FH ON CHICKAMAUGA AVE @GRA	11/7/2014	2602	E	335000	Hydrants	318.74	EDI
ADDITION	10	R26-02E1.14-P-0001	Hydrants - Valves and Manholes-New	1/0/1900	2602	E	331001	TD Mains Not Classified	(552.41)	EDI
ADDITION	10	R26-02E1.14-P-0001	Hydrants - Valves and Manholes-New	1/0/1900	2602	E	331001	TD Mains Not Classified	(3,505.87)	EDI
ADDITION	12	R26-02E1.14-P-0001	Hydrants - Valves and Manholes-New	1/0/1900	2602	E	331001	TD Mains Not Classified	(10.12)	EDI
ADDITION	11	R26-02E1.14-P-0005	RELOCATE FH ON CHICKAMAUGA AVE @GRA	11/7/2014	2602	E	335000	Hydrants	3,927.79	EDI
ADDITION	2	R26-02F1.07-P-0011	Hyd & Vlvs-Repl-East Ridge TN ALL	1/0/1900	2602	F	331001	TD Mains Not Classified	22.92	QIIP
ADDITION	2	R26-02F1.07-P-0011	Hyd & Vlvs-Repl-East Ridge TN ALL	1/0/1900	2602	F	331001	TD Mains Not Classified	22.92	QIIP
ADDITION	2	R26-02F1.07-P-0011	Hyd & Vlvs-Repl-East Ridge TN ALL	1/0/1900	2602	F	335000	Hydrants	22.94	QIIP
ADDITION	1	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	335000	Hydrants	19.65	QIIP
ADDITION	1	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	335000	Hydrants	213.57	QIIP
ADDITION	1	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	335000	Hydrants	15,197.94	QIIP

Type	Period	WBS	Description	In-Service Date	Profit center	Project #	Utility account	UA Naruc	Amount	Eligibility
ADDITION	2	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	335000	Hydrants	769.88	QIIP
ADDITION	2	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	335000	Hydrants	(6,236.04)	QIIP
ADDITION	2	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	335000	Hydrants	10,853.63	QIIP
ADDITION	3	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	335000	Hydrants	675.26	QIIP
ADDITION	3	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	335000	Hydrants	6,332.32	QIIP
ADDITION	3	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	335000	Hydrants	9,748.94	QIIP
ADDITION	3	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	335000	Hydrants	(9,092.30)	QIIP
ADDITION	3	R26-05F1.14-P-0001	Work Order	1/0/1900	2605	F	335000	Hydrants	4,129.96	QIIP
ADDITION	3	R26-05F1.14-P-0001	Work Order	1/0/1900	2605	F	335000	Hydrants	2,145.86	QIIP
ADDITION	3	R26-05F1.14-P-0001	Work Order	1/0/1900	2605	F	335000	Hydrants	577.38	QIIP
ADDITION	5	R26-05F1.14-P-0001	Work Order	1/0/1900	2605	F	335000	Hydrants	37.23	QIIP
ADDITION	6	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	335000	Hydrants	439.40	QIIP
ADDITION	4	R26-05F1.14-P-0001	Work Order	1/0/1900	2605	F	335000	Hydrants	1,046.13	QIIP
ADDITION	5	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	335000	Hydrants	1,268.78	QIIP
ADDITION	4	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	335000	Hydrants	10,151.48	QIIP
ADDITION	6	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	335000	Hydrants	4,557.79	QIIP
ADDITION	6	R26-05F1.14-P-0001	Work Order	1/0/1900	2605	F	335000	Hydrants	142.15	QIIP
ADDITION	6	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	335000	Hydrants	(219.70)	QIIP
ADDITION	4	R26-05F1.14-P-0001	Work Order	1/0/1900	2605	F	335000	Hydrants	11,370.99	QIIP
ADDITION	4	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	335000	Hydrants	4,261.38	QIIP
ADDITION	6	R26-05F1.14-P-0001	Work Order	1/0/1900	2605	F	335000	Hydrants	2,841.45	QIIP
ADDITION	6	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	335000	Hydrants	16,525.79	QIIP
ADDITION	6	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	335000	Hydrants	(2,251.54)	QIIP
ADDITION	5	R26-05F1.14-P-0001	Work Order	1/0/1900	2605	F	335000	Hydrants	404.65	QIIP
ADDITION	4	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	335000	Hydrants	(9,492.63)	QIIP
ADDITION	4	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	335000	Hydrants	2,656.90	QIIP
ADDITION	5	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	335000	Hydrants	944.28	QIIP
ADDITION	5	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	335000	Hydrants	(10,151.48)	QIIP
ADDITION	6	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	335000	Hydrants	614.85	QIIP
ADDITION	5	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	335000	Hydrants	3,974.54	QIIP
ADDITION	4	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	335000	Hydrants	693.55	QIIP
ADDITION	6	R26-05F1.14-P-0001	Work Order	1/0/1900	2605	F	335000	Hydrants	274.49	QIIP
ADDITION	5	R26-05F1.14-P-0001	Work Order	1/0/1900	2605	F	335000	Hydrants	2,841.45	QIIP
ADDITION	5	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	335000	Hydrants	4,157.21	QIIP
ADDITION	5	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	335000	Hydrants	5,020.61	QIIP
ADDITION	4	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	335000	Hydrants	363.97	QIIP
ADDITION	7	R26-05F1.14-P-0001	Work Order	1/0/1900	2605	F	335000	Hydrants	(2,841.45)	QIIP
ADDITION	9	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	335000	Hydrants	5,381.08	QIIP
ADDITION	9	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	335000	Hydrants	220.61	QIIP
ADDITION	9	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	335000	Hydrants	(77,082.42)	QIIP
ADDITION	9	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	331001	TD Mains Not Classified	171.88	QIIP
ADDITION	9	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	331001	TD Mains Not Classified	(0.15)	QIIP
ADDITION	9	R26-05F1.14-P-0001	Work Order	1/0/1900	2605	F	335000	Hydrants	1,566.46	QIIP
ADDITION	9	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	331001	TD Mains Not Classified	126.08	QIIP
ADDITION	9	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	331001	TD Mains Not Classified	1,366.74	QIIP
ADDITION	9	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	331001	TD Mains Not Classified	1,002.51	QIIP
ADDITION	9	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	331001	TD Mains Not Classified	(2,462.17)	QIIP
ADDITION	9	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	331001	TD Mains Not Classified	27.56	QIIP
ADDITION	9	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	335000	Hydrants	48.23	QIIP
ADDITION	9	R26-05F1.14-P-0001	Work Order	1/0/1900	2605	F	335000	Hydrants	144.11	QIIP
ADDITION	7	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	335000	Hydrants	5,643.17	QIIP
ADDITION	9	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	331001	TD Mains Not Classified	319.45	QIIP

Type	Period	WBS	Description	In-Service Date	Profit center	Project #	Utility account	UA Naruc	Amount	Eligibility
ADDITION	9	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	335000	Hydrants	10,000.48	QIIP
ADDITION	9	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	331001	TD Mains Not Classified	234.30	QIIP
ADDITION	9	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	335000	Hydrants	1,176.37	QIIP
ADDITION	9	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	331001	TD Mains Not Classified	(1,806.03)	QIIP
ADDITION	8	R26-05F1.14-P-0001	Work Order	1/0/1900	2605	F	335000	Hydrants	161.91	QIIP
ADDITION	8	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	331001	TD Mains Not Classified	69.97	QIIP
ADDITION	8	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	335000	Hydrants	2,190.98	QIIP
ADDITION	8	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	331001	TD Mains Not Classified	51.34	QIIP
ADDITION	8	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	335000	Hydrants	89.83	QIIP
ADDITION	8	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	331001	TD Mains Not Classified	2,520.52	QIIP
ADDITION	8	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	335000	Hydrants	78,908.63	QIIP
ADDITION	8	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	331001	TD Mains Not Classified	1,848.81	QIIP
ADDITION	8	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	335000	Hydrants	3,235.11	QIIP
ADDITION	9	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	335000	Hydrants	42,787.97	QIIP
ADDITION	9	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	335000	Hydrants	1,754.23	QIIP
ADDITION	9	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	335000	Hydrants	(3,160.24)	QIIP
ADDITION	8	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	335000	Hydrants	(19,918.72)	QIIP
ADDITION	9	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	335000	Hydrants	410.00	QIIP
ADDITION	9	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	331001	TD Mains Not Classified	(0.20)	QIIP
ADDITION	9	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	335000	Hydrants	(6.30)	QIIP
ADDITION	8	R26-05F1.14-P-0001	Work Order	1/0/1900	2605	F	335000	Hydrants	14.90	QIIP
ADDITION	9	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	335000	Hydrants	(0.26)	QIIP
ADDITION	9	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	331001	TD Mains Not Classified	37.58	QIIP
ADDITION	8	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	331001	TD Mains Not Classified	19.11	QIIP
ADDITION	8	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	335000	Hydrants	598.35	QIIP
ADDITION	8	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	331001	TD Mains Not Classified	14.02	QIIP
ADDITION	8	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	335000	Hydrants	24.53	QIIP
ADDITION	8	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	331001	TD Mains Not Classified	160.59	QIIP
ADDITION	8	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	335000	Hydrants	5,027.15	QIIP
ADDITION	8	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	335000	Hydrants	206.10	QIIP
ADDITION	8	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	331001	TD Mains Not Classified	117.78	QIIP
ADDITION	9	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	331001	TD Mains Not Classified	(0.91)	QIIP
ADDITION	9	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	335000	Hydrants	(28.39)	QIIP
ADDITION	9	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	331001	TD Mains Not Classified	(0.67)	QIIP
ADDITION	9	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	335000	Hydrants	(1.16)	QIIP
ADDITION	7	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	335000	Hydrants	393.96	QIIP
ADDITION	7	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	335000	Hydrants	(15,168.93)	QIIP
ADDITION	7	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	335000	Hydrants	24,815.66	QIIP
ADDITION	7	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	335000	Hydrants	2,072.82	QIIP
ADDITION	7	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	335000	Hydrants	9,599.20	QIIP
ADDITION	7	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	335000	Hydrants	5,537.46	QIIP
ADDITION	10	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	331001	TD Mains Not Classified	105.28	QIIP
ADDITION	10	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	331001	TD Mains Not Classified	69.34	QIIP
ADDITION	12	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	331001	TD Mains Not Classified	(219.76)	QIIP
ADDITION	10	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	331001	TD Mains Not Classified	94.54	QIIP
ADDITION	10	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	331001	TD Mains Not Classified	180.70	QIIP
ADDITION	12	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	335000	Hydrants	284.13	QIIP
ADDITION	12	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	335000	Hydrants	(10.51)	QIIP
ADDITION	11	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	335000	Hydrants	121.19	QIIP
ADDITION	10	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	335000	Hydrants	(43,155.38)	QIIP
ADDITION	11	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	331001	TD Mains Not Classified	60.42	QIIP
ADDITION	11	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	335000	Hydrants	(6,485.97)	QIIP

Type	Period	WBS	Description	In-Service Date	Profit center	Project #	Utility account	UA Naruc	Amount	Eligibility
ADDITION	12	R26-05F1.14-P-0001	Work Order	1/0/1900	2605	F	335000	Hydrants	(32.78)	QIIP
ADDITION	11	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	331001	TD Mains Not Classified	69.26	QIIP
ADDITION	10	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	331001	TD Mains Not Classified	246.35	QIIP
ADDITION	11	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	331001	TD Mains Not Classified	(207.17)	QIIP
ADDITION	12	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	335000	Hydrants	8,875.46	QIIP
ADDITION	10	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	331001	TD Mains Not Classified	319.02	QIIP
ADDITION	10	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	335000	Hydrants	9,987.07	QIIP
ADDITION	12	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	331001	TD Mains Not Classified	43.54	QIIP
ADDITION	12	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	331001	TD Mains Not Classified	221.37	QIIP
ADDITION	12	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	335000	Hydrants	(256.25)	QIIP
ADDITION	12	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	331001	TD Mains Not Classified	14.69	QIIP
ADDITION	12	R26-05F1.14-P-0001	Work Order	1/0/1900	2605	F	335000	Hydrants	202.36	QIIP
ADDITION	10	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	335000	Hydrants	9,662.85	QIIP
ADDITION	10	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	331001	TD Mains Not Classified	308.65	QIIP
ADDITION	12	R26-05F1.14-P-0001	Work Order	1/0/1900	2605	F	335000	Hydrants	2,084.65	QIIP
ADDITION	10	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	331001	TD Mains Not Classified	(1,378.47)	QIIP
ADDITION	12	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	335000	Hydrants	2,967.17	QIIP
ADDITION	12	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	331001	TD Mains Not Classified	(161.19)	QIIP
ADDITION	12	R26-02F1.15-P-0001	Work Order	1/0/1900	2602	F	335000	Hydrants	(30.44)	QIIP
ADDITION	11	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	335000	Hydrants	2,956.09	QIIP
ADDITION	10	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	331001	TD Mains Not Classified	(1,011.12)	QIIP
ADDITION	10	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	335000	Hydrants	7,712.43	QIIP
ADDITION	10	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	335000	Hydrants	(1,769.30)	QIIP
ADDITION	11	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	335000	Hydrants	1,891.53	QIIP
ADDITION	11	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	331001	TD Mains Not Classified	(151.97)	QIIP
ADDITION	12	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	331001	TD Mains Not Classified	283.50	QIIP
ADDITION	12	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	335000	Hydrants	363.88	QIIP
ADDITION	10	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	331001	TD Mains Not Classified	233.99	QIIP
ADDITION	12	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	335000	Hydrants	1,858.38	QIIP
ADDITION	12	R26-02F1.14-P-0003	Purchase (2) 6" Wheel Valves	9/26/2014	2602	F	331001	TD Mains Not Classified	882.99	QIIP
ADDITION	12	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	331001	TD Mains Not Classified	59.36	QIIP
ADDITION	12	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	331001	TD Mains Not Classified	162.37	QIIP
ADDITION	12	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	331001	TD Mains Not Classified	20.03	QIIP
ADDITION	11	R26-05F1.14-P-0001	Work Order	1/0/1900	2605	F	335000	Hydrants	64.60	QIIP
ADDITION	10	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	335000	Hydrants	2,959.65	QIIP
ADDITION	10	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	331001	TD Mains Not Classified	7.00	QIIP
ADDITION	12	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	335000	Hydrants	25.71	QIIP
ADDITION	10	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	335000	Hydrants	298.92	QIIP
ADDITION	10	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	331001	TD Mains Not Classified	9.55	QIIP
ADDITION	10	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	335000	Hydrants	121.34	QIIP
ADDITION	10	R26-05F1.14-P-0001	Work Order	1/0/1900	2605	F	335000	Hydrants	3,410.48	QIIP
ADDITION	12	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	335000	Hydrants	121.65	QIIP
ADDITION	12	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	335000	Hydrants	(6,879.77)	QIIP
ADDITION	12	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	331001	TD Mains Not Classified	94.78	QIIP
ADDITION	12	R26-02F1.15-P-0001	Work Order	1/0/1900	2602	F	335000	Hydrants	6,216.54	QIIP
ADDITION	12	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	331001	TD Mains Not Classified	69.52	QIIP
ADDITION	11	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	331001	TD Mains Not Classified	94.43	QIIP
ADDITION	10	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	335000	Hydrants	316.19	QIIP
ADDITION	11	R26-05F1.14-P-0001	Work Order	1/0/1900	2605	F	335000	Hydrants	319.71	QIIP
ADDITION	11	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	331001	TD Mains Not Classified	44.32	QIIP
ADDITION	11	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	335000	Hydrants	77.55	QIIP
ADDITION	11	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	335000	Hydrants	(265.91)	QIIP

Type	Period	WBS	Description	In-Service Date	Profit center	Project #	Utility account	UA Naruc	Amount	Eligibility
ADDITION	12	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	331001	TD Mains Not Classified	207.95	QIIP
ADDITION	12	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	331001	TD Mains Not Classified	(8.18)	QIIP
ADDITION	10	R26-05F1.14-P-0001	Work Order	1/0/1900	2605	F	335000	Hydrants	1,018.55	QIIP
ADDITION	12	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	335000	Hydrants	627.15	QIIP
ADDITION	12	R26-05F1.14-P-0001	Work Order	1/0/1900	2605	F	335000	Hydrants	114.90	QIIP
ADDITION	12	R26-02F1.14-P-0002	CENTRAL AVE 20" VALVE REPLACEMENT	7/30/2014	2602	F	331001	TD Mains Not Classified	(0.22)	QIIP
ADDITION	12	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	331001	TD Mains Not Classified	(6.00)	QIIP
ADDITION	10	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	331001	TD Mains Not Classified	143.52	QIIP
ADDITION	10	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	335000	Hydrants	4,493.29	QIIP
ADDITION	10	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	335000	Hydrants	184.22	QIIP
ADDITION	10	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	335000	Hydrants	409.45	QIIP
ADDITION	12	R26-02F1.14-P-0002	CENTRAL AVE 20" VALVE REPLACEMENT	7/30/2014	2602	F	331001	TD Mains Not Classified	(350.68)	QIIP
ADDITION	10	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	331001	TD Mains Not Classified	226.40	QIIP
ADDITION	12	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	335000	Hydrants	76.19	QIIP
ADDITION	12	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	335000	Hydrants	6,930.22	QIIP
ADDITION	10	R26-05F1.14-P-0001	Work Order	1/0/1900	2605	F	335000	Hydrants	93.71	QIIP
ADDITION	12	R26-02F1.14-P-0002	CENTRAL AVE 20" VALVE REPLACEMENT	7/30/2014	2602	F	331001	TD Mains Not Classified	15,281.12	QIIP
ADDITION	10	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	335000	Hydrants	12.26	QIIP
ADDITION	10	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	335000	Hydrants	396.16	QIIP
ADDITION	10	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	335000	Hydrants	41.25	QIIP
ADDITION	10	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	331001	TD Mains Not Classified	23.57	QIIP
ADDITION	10	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	335000	Hydrants	1,006.06	QIIP
ADDITION	10	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	331001	TD Mains Not Classified	32.13	QIIP
ADDITION	11	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	335000	Hydrants	1,358.78	QIIP
ADDITION	11	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	331001	TD Mains Not Classified	776.52	QIIP
ADDITION	11	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	335000	Hydrants	33,142.46	QIIP
ADDITION	11	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	331001	TD Mains Not Classified	1,058.64	QIIP
ADDITION	11	R26-05F1.14-P-0001	Work Order	1/0/1900	2605	F	335000	Hydrants	114.90	QIIP
ADDITION	11	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	335000	Hydrants	(825.59)	QIIP
ADDITION	11	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	331001	TD Mains Not Classified	(471.81)	QIIP
ADDITION	11	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	335000	Hydrants	(20,137.23)	QIIP
ADDITION	11	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	331001	TD Mains Not Classified	(643.23)	QIIP
ADDITION	11	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	335000	Hydrants	430.73	QIIP
ADDITION	11	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	331001	TD Mains Not Classified	246.15	QIIP
ADDITION	11	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	335000	Hydrants	10,506.05	QIIP
ADDITION	11	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	331001	TD Mains Not Classified	335.58	QIIP
ADDITION	12	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	335000	Hydrants	(282.05)	QIIP
ADDITION	11	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	335000	Hydrants	147.46	QIIP
ADDITION	11	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	331001	TD Mains Not Classified	84.27	QIIP
ADDITION	11	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	335000	Hydrants	3,596.86	QIIP
ADDITION	11	R26-02F1.14-P-0001	Hydrants Valves and Manholes-Rep	1/0/1900	2602	F	331001	TD Mains Not Classified	114.90	QIIP
ADDITION	2	R26-02G1.07-P-0011	3/4 New Services AS	1/0/1900	2602	G	333000	Services	1,161.00	
ADDITION	2	R26-02G1.07-P-0011	3/4 New Services AS	1/0/1900	2602	G	333000	Services	106.81	
ADDITION	2	R26-02G1.07-P-0011	3/4 New Services AS	1/0/1900	2602	G	333000	Services	1,161.00	
ADDITION	2	R26-02G1.07-P-0011	3/4 New Services AS	1/0/1900	2602	G	333000	Services	106.81	
ADDITION	2	R26-02G1.07-P-0011	3/4 New Services AS	1/0/1900	2602	G	333000	Services	106.81	
ADDITION	2	R26-02G1.07-P-0011	3/4 New Services AS	1/0/1900	2602	G	333000	Services	1,160.96	
ADDITION	1	R26-02G1.13-P-0001	Services and Laterals-New - Blanket	1/0/1900	2602	G	333000	Services	1,022.03	
ADDITION	1	R26-02G1.13-P-0001	Services and Laterals-New - Blanket	1/0/1900	2602	G	333000	Services	7,142.65	
ADDITION	2	R26-02G1.13-P-0001	Services and Laterals-New - Blanket	1/0/1900	2602	G	333000	Services	1,039.51	
ADDITION	2	R26-02G1.13-P-0001	Services and Laterals-New - Blanket	1/0/1900	2602	G	333000	Services	883.88	
ADDITION	2	R26-02G1.13-P-0001	Services and Laterals-New - Blanket	1/0/1900	2602	G	333000	Services	1,039.51	

Type	Period	WBS	Description	In-Service Date	Profit center	Project #	Utility account	UA Naruc	Amount	Eligibility
ADDITION	2	R26-02G1.13-P-0001	Services and Laterals-New - Blanket	1/0/1900	2602	G	333000	Services	883.87	
ADDITION	2	R26-02G1.13-P-0001	Services and Laterals-New - Blanket	1/0/1900	2602	G	333000	Services	1,039.50	
ADDITION	2	R26-02G1.13-P-0001	Services and Laterals-New - Blanket	1/0/1900	2602	G	333000	Services	883.88	
ADDITION	2	R26-02G1.13-P-0001	Services and Laterals-New - Blanket	1/0/1900	2602	G	333000	Services	883.88	
ADDITION	2	R26-02G1.13-P-0001	Services and Laterals-New - Blanket	1/0/1900	2602	G	333000	Services	1,039.51	
ADDITION	2	R26-02G1.13-P-0001	Services and Laterals-New - Blanket	1/0/1900	2602	G	333000	Services	20,288.00	
ADDITION	2	R26-02G1.13-P-0001	Services and Laterals-New - Blanket	1/0/1900	2602	G	333000	Services	70,526.78	
ADDITION	2	R26-02G1.13-P-0001	Services and Laterals-New - Blanket	1/0/1900	2602	G	333000	Services	182,265.81	
ADDITION	2	R26-02G1.13-P-0001	Services and Laterals-New - Blanket	1/0/1900	2602	G	333000	Services	(19,996.67)	
ADDITION	2	R26-02G1.13-P-0001	Services and Laterals-New - Blanket	1/0/1900	2602	G	333000	Services	(225,331.40)	
ADDITION	2	R26-02G1.13-P-0001	Services and Laterals-New - Blanket	1/0/1900	2602	G	333000	Services	(8,164.68)	
ADDITION	2	R26-02G1.13-P-0001	Services and Laterals-New - Blanket	1/0/1900	2602	G	333000	Services	(19,996.60)	
ADDITION	2	R26-02G1.13-P-0001	Services and Laterals-New - Blanket	1/0/1900	2602	G	333000	Services	(19,996.67)	
ADDITION	3	R26-02G1.13-P-0001	Services and Laterals-New - Blanket	1/0/1900	2602	G	333000	Services	1,698.91	
ADDITION	3	R26-02G1.13-P-0001	Services and Laterals-New - Blanket	1/0/1900	2602	G	333000	Services	156.30	
ADDITION	3	R26-02G1.13-P-0001	Services and Laterals-New - Blanket	1/0/1900	2602	G	333000	Services	156.30	
ADDITION	3	R26-02G1.13-P-0001	Services and Laterals-New - Blanket	1/0/1900	2602	G	333000	Services	156.30	
ADDITION	3	R26-02G1.13-P-0001	Services and Laterals-New - Blanket	1/0/1900	2602	G	333000	Services	1,698.92	
ADDITION	3	R26-02G1.13-P-0001	Services and Laterals-New - Blanket	1/0/1900	2602	G	333000	Services	1,698.91	
ADDITION	3	R26-02G1.13-P-0001	Services and Laterals-New - Blanket	1/0/1900	2602	G	333000	Services	156.30	
ADDITION	3	R26-02G1.13-P-0001	Services and Laterals-New - Blanket	1/0/1900	2602	G	333000	Services	1,698.91	
ADDITION	1	R26-02G1.14-P-0001	Services and Laterals-New	1/0/1900	2602	G	333000	Services	6,024.86	
ADDITION	1	R26-02G1.14-P-0001	Services and Laterals-New	1/0/1900	2602	G	333000	Services	4,994.34	
ADDITION	1	R26-02G1.14-P-0001	Services and Laterals-New	1/0/1900	2602	G	333000	Services	1,013.77	
ADDITION	1	R26-02G1.14-P-0001	Services and Laterals-New	1/0/1900	2602	G	333000	Services	24,558.15	
ADDITION	2	R26-02G1.14-P-0001	Services and Laterals-New	1/0/1900	2602	G	333000	Services	3,560.12	
ADDITION	2	R26-02G1.14-P-0001	Services and Laterals-New	1/0/1900	2602	G	333000	Services	15,160.86	
ADDITION	2	R26-02G1.14-P-0001	Services and Laterals-New	1/0/1900	2602	G	333000	Services	28,224.45	
ADDITION	3	R26-02G1.14-P-0001	Services and Laterals-New	1/0/1900	2602	G	333000	Services	450.31	
ADDITION	3	R26-02G1.14-P-0001	Services and Laterals-New	1/0/1900	2602	G	333000	Services	549.12	
ADDITION	3	R26-02G1.14-P-0001	Services and Laterals-New	1/0/1900	2602	G	333000	Services	78.36	
ADDITION	3	R26-02G1.14-P-0001	Services and Laterals-New	1/0/1900	2602	G	333000	Services	(670.83)	
ADDITION	3	R26-02G1.14-P-0001	Services and Laterals-New	1/0/1900	2602	G	333000	Services	117.55	
ADDITION	3	R26-02G1.14-P-0001	Services and Laterals-New	1/0/1900	2602	G	333000	Services	675.45	
ADDITION	3	R26-02G1.14-P-0001	Services and Laterals-New	1/0/1900	2602	G	333000	Services	823.67	
ADDITION	3	R26-02G1.14-P-0001	Services and Laterals-New	1/0/1900	2602	G	333000	Services	(1,006.25)	
ADDITION	3	R26-02G1.14-P-0001	Services and Laterals-New	1/0/1900	2602	G	333000	Services	1,535.84	
ADDITION	3	R26-02G1.14-P-0001	Services and Laterals-New	1/0/1900	2602	G	333000	Services	8,825.34	
ADDITION	3	R26-02G1.14-P-0001	Services and Laterals-New	1/0/1900	2602	G	333000	Services	10,761.90	
ADDITION	3	R26-02G1.14-P-0001	Services and Laterals-New	1/0/1900	2602	G	333000	Services	(13,147.34)	
ADDITION	2	R26-05G1.14-P-0001	Work Order	1/0/1900	2605	G	333000	Services	1,108.70	
ADDITION	2	R26-05G1.14-P-0001	Work Order	1/0/1900	2605	G	333000	Services	479.98	
ADDITION	3	R26-05G1.14-P-0001	Work Order	1/0/1900	2605	G	333000	Services	277.28	
ADDITION	3	R26-05G1.14-P-0001	Work Order	1/0/1900	2605	G	333000	Services	266.97	
ADDITION	3	R26-05G1.14-P-0001	Work Order	1/0/1900	2605	G	333000	Services	50.07	
ADDITION	5	R26-02G1.14-P-0001	Services and Laterals-New	1/0/1900	2602	G	333000	Services	(500.45)	
ADDITION	5	R26-02G1.14-P-0001	Services and Laterals-New	1/0/1900	2602	G	333000	Services	(6,538.80)	
ADDITION	4	R26-05G1.14-P-0001	Work Order	1/0/1900	2605	G	333000	Services	105.67	
ADDITION	4	R26-02G1.14-P-0001	Services and Laterals-New	1/0/1900	2602	G	333000	Services	1,277.18	
ADDITION	4	R26-02G1.14-P-0001	Services and Laterals-New	1/0/1900	2602	G	333000	Services	851.45	
ADDITION	4	R26-02G1.13-P-0001	Services and Laterals-New - Blanket	1/0/1900	2602	G	333000	Services	42.47	
ADDITION	4	R26-02G1.14-P-0001	Services and Laterals-New	1/0/1900	2602	G	333000	Services	2,402.82	

Type	Period	WBS	Description	In-Service Date	Profit center	Project #	Utility account	UA Naruc	Amount	Eligibility
ADDITION	4	R26-02G1.14-P-0001	Services and Laterals-New	1/0/1900	2602	G	333000	Services	12,469.49	
ADDITION	6	R26-02G1.14-P-0001	Services and Laterals-New	1/0/1900	2602	G	333000	Services	230.15	
ADDITION	6	R26-02G1.14-P-0001	Services and Laterals-New	1/0/1900	2602	G	333000	Services	3,007.02	
ADDITION	4	R26-02G1.13-P-0001	Services and Laterals-New - Blanket	1/0/1900	2602	G	333000	Services	1,235.32	
ADDITION	4	R26-02G1.14-P-0001	Services and Laterals-New	1/0/1900	2602	G	333000	Services	122.60	
ADDITION	5	R26-02G1.14-P-0001	Services and Laterals-New	1/0/1900	2602	G	333000	Services	(333.64)	
ADDITION	4	R26-02G1.14-P-0001	Services and Laterals-New	1/0/1900	2602	G	333000	Services	636.25	
ADDITION	6	R26-02G1.14-P-0001	Services and Laterals-New	1/0/1900	2602	G	333000	Services	911.72	
ADDITION	6	R26-02G1.14-P-0001	Services and Laterals-New	1/0/1900	2602	G	333000	Services	11,912.28	
ADDITION	6	R26-02G1.14-P-0001	Services and Laterals-New	1/0/1900	2602	G	333000	Services	607.81	
ADDITION	6	R26-02G1.14-P-0001	Services and Laterals-New	1/0/1900	2602	G	333000	Services	962.67	
ADDITION	6	R26-02G1.14-P-0001	Services and Laterals-New	1/0/1900	2602	G	333000	Services	12,578.07	
ADDITION	6	R26-02G1.14-P-0001	Services and Laterals-New	1/0/1900	2602	G	333000	Services	641.79	
ADDITION	6	R26-02G1.13-P-0001	Services and Laterals-New - Blanket	1/0/1900	2602	G	333000	Services	189.09	
ADDITION	6	R26-02G1.13-P-0001	Services and Laterals-New - Blanket	1/0/1900	2602	G	333000	Services	20,676.15	
ADDITION	6	R26-02G1.13-P-0001	Services and Laterals-New - Blanket	1/0/1900	2602	G	333000	Services	567.25	
ADDITION	6	R26-02G1.14-P-0001	Services and Laterals-New	1/0/1900	2602	G	333000	Services	153.43	
ADDITION	6	R26-02G1.13-P-0001	Services and Laterals-New - Blanket	1/0/1900	2602	G	333000	Services	1,902.21	
ADDITION	4	R26-02G1.13-P-0001	Services and Laterals-New - Blanket	1/0/1900	2602	G	333000	Services	42.47	
ADDITION	4	R26-02G1.14-P-0001	Services and Laterals-New	1/0/1900	2602	G	333000	Services	183.91	
ADDITION	6	R26-02G1.14-P-0001	Services and Laterals-New	1/0/1900	2602	G	333000	Services	1,589.18	
ADDITION	6	R26-02G1.14-P-0001	Services and Laterals-New	1/0/1900	2602	G	333000	Services	20,763.73	
ADDITION	6	R26-02G1.14-P-0001	Services and Laterals-New	1/0/1900	2602	G	333000	Services	1,059.45	
ADDITION	5	R26-02G1.13-P-0001	Services and Laterals-New - Blanket	1/0/1900	2602	G	333000	Services	412.69	
ADDITION	5	R26-02G1.13-P-0001	Services and Laterals-New - Blanket	1/0/1900	2602	G	333000	Services	45,126.74	
ADDITION	5	R26-02G1.13-P-0001	Services and Laterals-New - Blanket	1/0/1900	2602	G	333000	Services	1,238.06	
ADDITION	4	R26-02G1.14-P-0001	Services and Laterals-New	1/0/1900	2602	G	333000	Services	954.36	
ADDITION	4	R26-02G1.14-P-0001	Services and Laterals-New	1/0/1900	2602	G	333000	Services	16,687.21	
ADDITION	5	R26-02G1.14-P-0001	Services and Laterals-New	1/0/1900	2602	G	333000	Services	2,630.23	
ADDITION	5	R26-02G1.14-P-0001	Services and Laterals-New	1/0/1900	2602	G	333000	Services	34,365.77	
ADDITION	5	R26-02G1.14-P-0001	Services and Laterals-New	1/0/1900	2602	G	333000	Services	1,753.48	
ADDITION	5	R26-02G1.13-P-0001	Services and Laterals-New - Blanket	1/0/1900	2602	G	333000	Services	37.97	
ADDITION	5	R26-02G1.13-P-0001	Services and Laterals-New - Blanket	1/0/1900	2602	G	333000	Services	4,151.66	
ADDITION	5	R26-02G1.13-P-0001	Services and Laterals-New - Blanket	1/0/1900	2602	G	333000	Services	113.90	
ADDITION	6	R26-02G1.13-P-0001	Services and Laterals-New - Blanket	1/0/1900	2602	G	333000	Services	17.39	
ADDITION	6	R26-02G1.13-P-0001	Services and Laterals-New - Blanket	1/0/1900	2602	G	333000	Services	52.19	
ADDITION	4	R26-05G1.14-P-0001	Work Order	1/0/1900	2605	G	333000	Services	1,148.58	
ADDITION	5	R26-02G1.14-P-0001	Services and Laterals-New	1/0/1900	2602	G	333000	Services	627.19	
ADDITION	5	R26-02G1.14-P-0001	Services and Laterals-New	1/0/1900	2602	G	333000	Services	8,194.68	
ADDITION	5	R26-02G1.14-P-0001	Services and Laterals-New	1/0/1900	2602	G	333000	Services	418.13	
ADDITION	4	R26-02G1.14-P-0001	Services and Laterals-New	1/0/1900	2602	G	333000	Services	(101.91)	
ADDITION	4	R26-02G1.14-P-0001	Services and Laterals-New	1/0/1900	2602	G	333000	Services	(1,331.43)	
ADDITION	4	R26-02G1.14-P-0001	Services and Laterals-New	1/0/1900	2602	G	333000	Services	(67.93)	
ADDITION	4	R26-02G1.13-P-0001	Services and Laterals-New - Blanket	1/0/1900	2602	G	333000	Services	461.62	
ADDITION	4	R26-02G1.13-P-0001	Services and Laterals-New - Blanket	1/0/1900	2602	G	333000	Services	13,427.39	
ADDITION	4	R26-02G1.13-P-0001	Services and Laterals-New - Blanket	1/0/1900	2602	G	333000	Services	461.63	
ADDITION	8	R26-02G1.13-P-0001	Services and Laterals-New - Blanket	1/0/1900	2602	G	333000	Services	(289.83)	
ADDITION	9	R26-02G1.14-P-0001	Services and Laterals-New	1/0/1900	2602	G	333000	Services	486.82	
ADDITION	8	R26-02G1.13-P-0001	Services and Laterals-New - Blanket	1/0/1900	2602	G	333000	Services	(7.22)	
ADDITION	7	R26-02G1.13-P-0001	Services and Laterals-New - Blanket	1/0/1900	2602	G	333000	Services	234.53	
ADDITION	8	R26-02G1.13-P-0001	Services and Laterals-New - Blanket	1/0/1900	2602	G	333000	Services	(3.10)	
ADDITION	7	R26-02G1.13-P-0001	Services and Laterals-New - Blanket	1/0/1900	2602	G	333000	Services	117.27	

Type	Period	WBS	Description	In-Service Date	Profit center	Project #	Utility account	UA Naruc	Amount	Eligibility
ADDITION	9	R26-05G1.14-P-0001	Work Order	1/0/1900	2605	G	333000	Services	314.63	
ADDITION	7	R26-02G1.13-P-0001	Services and Laterals-New - Blanket	1/0/1900	2602	G	333000	Services	18,548.66	
ADDITION	7	R26-02G1.14-P-0001	Services and Laterals-New	1/0/1900	2602	G	333000	Services	(449.88)	
ADDITION	9	R26-02G1.14-P-0001	Services and Laterals-New	1/0/1900	2602	G	333000	Services	730.25	
ADDITION	9	R26-05G1.14-P-0001	Work Order	1/0/1900	2605	G	333000	Services	28.95	
ADDITION	9	R26-02G1.14-P-0001	Services and Laterals-New	1/0/1900	2602	G	333000	Services	131.78	
ADDITION	9	R26-02G1.14-P-0001	Services and Laterals-New	1/0/1900	2602	G	333000	Services	1,721.87	
ADDITION	8	R26-02G1.14-P-0001	Services and Laterals-New	1/0/1900	2602	G	333000	Services	574.89	
ADDITION	7	R26-02G1.14-P-0001	Services and Laterals-New	1/0/1900	2602	G	333000	Services	(674.81)	
ADDITION	8	R26-02G1.14-P-0001	Services and Laterals-New	1/0/1900	2602	G	333000	Services	383.26	
ADDITION	8	R26-05G1.14-P-0001	Work Order	1/0/1900	2605	G	333000	Services	22.27	
ADDITION	9	R26-02G1.14-P-0001	Services and Laterals-New	1/0/1900	2602	G	333000	Services	(8.94)	
ADDITION	8	R26-02G1.14-P-0001	Services and Laterals-New	1/0/1900	2602	G	333000	Services	7,511.32	
ADDITION	8	R26-02G1.14-P-0001	Services and Laterals-New	1/0/1900	2602	G	333000	Services	5,508.41	
ADDITION	8	R26-02G1.14-P-0001	Services and Laterals-New	1/0/1900	2602	G	333000	Services	71,971.19	
ADDITION	8	R26-02G1.14-P-0001	Services and Laterals-New	1/0/1900	2602	G	333000	Services	3,672.27	
ADDITION	8	R26-02G1.13-P-0001	Services and Laterals-New - Blanket	1/0/1900	2602	G	333000	Services	(33.65)	
ADDITION	8	R26-02G1.13-P-0001	Services and Laterals-New - Blanket	1/0/1900	2602	G	333000	Services	(8.41)	
ADDITION	8	R26-02G1.13-P-0001	Services and Laterals-New - Blanket	1/0/1900	2602	G	333000	Services	(3,150.41)	
ADDITION	8	R26-02G1.13-P-0001	Services and Laterals-New - Blanket	1/0/1900	2602	G	333000	Services	(78.50)	
ADDITION	8	R26-02G1.13-P-0001	Services and Laterals-New - Blanket	1/0/1900	2602	G	333000	Services	(33.65)	
ADDITION	8	R26-02G1.14-P-0001	Services and Laterals-New	1/0/1900	2602	G	333000	Services	1,545.16	
ADDITION	8	R26-02G1.14-P-0001	Services and Laterals-New	1/0/1900	2602	G	333000	Services	20,188.61	
ADDITION	8	R26-02G1.14-P-0001	Services and Laterals-New	1/0/1900	2602	G	333000	Services	1,030.11	
ADDITION	7	R26-02G1.13-P-0001	Services and Laterals-New - Blanket	1/0/1900	2602	G	333000	Services	58.63	
ADDITION	7	R26-02G1.13-P-0001	Services and Laterals-New - Blanket	1/0/1900	2602	G	333000	Services	547.16	
ADDITION	7	R26-02G1.13-P-0001	Services and Laterals-New - Blanket	1/0/1900	2602	G	333000	Services	234.55	
ADDITION	9	R26-02G1.14-P-0001	Services and Laterals-New	1/0/1900	2602	G	333000	Services	87.86	
ADDITION	8	R26-02G1.13-P-0001	Services and Laterals-New - Blanket	1/0/1900	2602	G	333000	Services	(1.55)	
ADDITION	8	R26-02G1.13-P-0001	Services and Laterals-New - Blanket	1/0/1900	2602	G	333000	Services	(3.10)	
ADDITION	8	R26-02G1.13-P-0001	Services and Laterals-New - Blanket	1/0/1900	2602	G	333000	Services	(0.77)	
ADDITION	8	R26-02G1.14-P-0001	Services and Laterals-New	1/0/1900	2602	G	333000	Services	1,771.75	
ADDITION	8	R26-02G1.14-P-0001	Services and Laterals-New	1/0/1900	2602	G	333000	Services	23,149.12	
ADDITION	8	R26-02G1.14-P-0001	Services and Laterals-New	1/0/1900	2602	G	333000	Services	1,181.16	
ADDITION	9	R26-02G1.14-P-0001	Services and Laterals-New	1/0/1900	2602	G	333000	Services	(0.68)	
ADDITION	9	R26-02G1.14-P-0001	Services and Laterals-New	1/0/1900	2602	G	333000	Services	(0.46)	
ADDITION	9	R26-02G1.14-P-0001	Services and Laterals-New	1/0/1900	2602	G	333000	Services	9,541.09	
ADDITION	7	R26-02G1.14-P-0001	Services and Laterals-New	1/0/1900	2602	G	333000	Services	(8,816.90)	
ADDITION	8	R26-05G1.14-P-0001	Work Order	1/0/1900	2605	G	333000	Services	242.11	
ADDITION	8	R26-02G1.13-P-0001	Services and Laterals-New - Blanket	1/0/1900	2602	G	333000	Services	(16.82)	
ADDITION	7	R26-02G1.14-P-0001	Services and Laterals-New	1/0/1900	2602	G	333000	Services	216.86	
ADDITION	7	R26-02G1.14-P-0001	Services and Laterals-New	1/0/1900	2602	G	333000	Services	2,833.47	
ADDITION	7	R26-02G1.14-P-0001	Services and Laterals-New	1/0/1900	2602	G	333000	Services	144.58	
ADDITION	7	R26-02G1.13-P-0001	Services and Laterals-New - Blanket	1/0/1900	2602	G	333000	Services	21.58	
ADDITION	7	R26-02G1.13-P-0001	Services and Laterals-New - Blanket	1/0/1900	2602	G	333000	Services	5.39	
ADDITION	7	R26-02G1.13-P-0001	Services and Laterals-New - Blanket	1/0/1900	2602	G	333000	Services	1,706.47	
ADDITION	7	R26-02G1.13-P-0001	Services and Laterals-New - Blanket	1/0/1900	2602	G	333000	Services	50.34	
ADDITION	7	R26-02G1.13-P-0001	Services and Laterals-New - Blanket	1/0/1900	2602	G	333000	Services	10.79	
ADDITION	7	R26-02G1.13-P-0001	Services and Laterals-New - Blanket	1/0/1900	2602	G	333000	Services	21.58	
ADDITION	7	R26-02G1.14-P-0001	Services and Laterals-New	1/0/1900	2602	G	333000	Services	1,442.83	
ADDITION	7	R26-02G1.14-P-0001	Services and Laterals-New	1/0/1900	2602	G	333000	Services	18,851.72	
ADDITION	7	R26-02G1.14-P-0001	Services and Laterals-New	1/0/1900	2602	G	333000	Services	961.90	

Type	Period	WBS	Description	In-Service Date	Profit center	Project #	Utility account	UA Naruc	Amount	Eligibility
ADDITION	12	R26-02G1.14-P-0001	Services and Laterals-New	1/0/1900	2602	G	333000	Services	29.76	
ADDITION	12	R26-02G1.14-P-0001	Services and Laterals-New	1/0/1900	2602	G	333000	Services	145.68	
ADDITION	12	R26-03G1.14-P-0001	Work Order	1/0/1900	2603	G	333000	Services	(3.67)	
ADDITION	10	R26-02G1.14-P-0001	Services and Laterals-New	1/0/1900	2602	G	333000	Services	138.58	
ADDITION	10	R26-02G1.14-P-0001	Services and Laterals-New	1/0/1900	2602	G	333000	Services	233.85	
ADDITION	12	R26-02G1.14-P-0001	Services and Laterals-New	1/0/1900	2602	G	333000	Services	21.99	
ADDITION	12	R26-02G1.14-P-0001	Services and Laterals-New	1/0/1900	2602	G	333000	Services	48.56	
ADDITION	12	R26-02G1.14-P-0001	Services and Laterals-New	1/0/1900	2602	G	333000	Services	(9.99)	
ADDITION	11	R26-02G1.14-P-0001	Services and Laterals-New	1/0/1900	2602	G	333000	Services	75.63	
ADDITION	12	R26-02G1.14-P-0001	Services and Laterals-New	1/0/1900	2602	G	333000	Services	3,242.85	
ADDITION	12	R26-02G1.14-P-0001	Services and Laterals-New	1/0/1900	2602	G	333000	Services	(344.06)	
ADDITION	10	R26-02G1.14-P-0001	Services and Laterals-New	1/0/1900	2602	G	333000	Services	68,099.06	
ADDITION	12	R26-02G1.14-P-0001	Services and Laterals-New	1/0/1900	2602	G	333000	Services	97.12	
ADDITION	12	R26-02G1.14-P-0001	Services and Laterals-New	1/0/1900	2602	G	333000	Services	10,584.52	
ADDITION	12	R26-02G1.14-P-0001	Services and Laterals-New	1/0/1900	2602	G	333000	Services	(725.96)	
ADDITION	12	R26-02G1.14-P-0001	Services and Laterals-New	1/0/1900	2602	G	333000	Services	(10.00)	
ADDITION	12	R26-02G1.14-P-0001	Services and Laterals-New	1/0/1900	2602	G	333000	Services	145.70	
ADDITION	12	R26-02G1.14-P-0001	Services and Laterals-New	1/0/1900	2602	G	333000	Services	344.88	
ADDITION	12	R26-02G1.14-P-0001	Services and Laterals-New	1/0/1900	2602	G	333000	Services	344.86	
ADDITION	12	R26-05G1.14-P-0001	Work Order	1/0/1900	2605	G	333000	Services	(3.37)	
ADDITION	11	R26-02G1.14-P-0001	Services and Laterals-New	1/0/1900	2602	G	333000	Services	50.43	
ADDITION	12	R26-02G1.14-P-0001	Services and Laterals-New	1/0/1900	2602	G	333000	Services	44.63	
ADDITION	10	R26-02G1.14-P-0001	Services and Laterals-New	1/0/1900	2602	G	333000	Services	92.39	
ADDITION	12	R26-02G1.14-P-0001	Services and Laterals-New	1/0/1900	2602	G	333000	Services	21.99	
ADDITION	12	R26-02G1.14-P-0001	Services and Laterals-New	1/0/1900	2602	G	333000	Services	1,597.86	
ADDITION	12	R26-02G1.14-P-0001	Services and Laterals-New	1/0/1900	2602	G	333000	Services	7.33	
ADDITION	12	R26-02G1.14-P-0001	Services and Laterals-New	1/0/1900	2602	G	333000	Services	(688.11)	
ADDITION	12	R26-02G1.14-P-0001	Services and Laterals-New	1/0/1900	2602	G	333000	Services	(74,990.33)	
ADDITION	12	R26-02G1.14-P-0001	Services and Laterals-New	1/0/1900	2602	G	333000	Services	(6.66)	
ADDITION	12	R26-05G1.14-P-0001	Work Order	1/0/1900	2605	G	333000	Services	32.72	
ADDITION	12	R26-02G1.14-P-0001	Services and Laterals-New	1/0/1900	2602	G	333000	Services	145.68	
ADDITION	12	R26-02G1.14-P-0001	Services and Laterals-New	1/0/1900	2602	G	333000	Services	229.92	
ADDITION	12	R26-02G1.14-P-0001	Services and Laterals-New	1/0/1900	2602	G	333000	Services	114.96	
ADDITION	12	R26-02G1.15-P-0001	Work Order	1/0/1900	2602	G	333000	Services	(2.86)	
ADDITION	12	R26-05G1.14-P-0001	Work Order	1/0/1900	2605	G	333000	Services	355.69	
ADDITION	11	R26-05G1.14-P-0001	Work Order	1/0/1900	2605	G	333000	Services	30.62	
ADDITION	11	R26-02G1.14-P-0001	Services and Laterals-New	1/0/1900	2602	G	333000	Services	75.64	
ADDITION	11	R26-02G1.14-P-0001	Services and Laterals-New	1/0/1900	2602	G	333000	Services	4,465.67	
ADDITION	12	R26-02G1.14-P-0001	Services and Laterals-New	1/0/1900	2602	G	333000	Services	44.64	
ADDITION	12	R26-02G1.14-P-0001	Services and Laterals-New	1/0/1900	2602	G	333000	Services	44.63	
ADDITION	12	R26-02G1.14-P-0001	Services and Laterals-New	1/0/1900	2602	G	333000	Services	14.88	
ADDITION	10	R26-02G1.14-P-0001	Services and Laterals-New	1/0/1900	2602	G	333000	Services	12,192.68	
ADDITION	12	R26-02G1.14-P-0001	Services and Laterals-New	1/0/1900	2602	G	333000	Services	(3.33)	
ADDITION	12	R26-02G1.14-P-0001	Services and Laterals-New	1/0/1900	2602	G	333000	Services	(9.99)	
ADDITION	10	R26-02G1.14-P-0001	Services and Laterals-New	1/0/1900	2602	G	333000	Services	3,609.03	
ADDITION	12	R26-03G1.14-P-0001	Work Order	1/0/1900	2603	G	333000	Services	69.00	
ADDITION	10	R26-02G1.14-P-0001	Services and Laterals-New	1/0/1900	2602	G	333000	Services	2,614.96	
ADDITION	12	R26-02G1.14-P-0001	Services and Laterals-New	1/0/1900	2602	G	333000	Services	14.66	
ADDITION	10	R26-02G1.14-P-0001	Services and Laterals-New	1/0/1900	2602	G	333000	Services	1,743.30	
ADDITION	12	R26-02G1.14-P-0001	Services and Laterals-New	1/0/1900	2602	G	333000	Services	22.00	
ADDITION	12	R26-03G1.14-P-0001	Work Order	1/0/1900	2603	G	333000	Services	750.00	
ADDITION	12	R26-02G1.14-P-0001	Services and Laterals-New	1/0/1900	2602	G	333000	Services	(1,032.15)	

Type	Period	WBS	Description	In-Service Date	Profit center	Project #	Utility account	UA Naruc	Amount	Eligibility
ADDITION	12	R26-02G1.14-P-0001	Services and Laterals-New	1/0/1900	2602	G	333000	Services	(1,032.17)	
ADDITION	12	R26-02G1.14-P-0001	Services and Laterals-New	1/0/1900	2602	G	333000	Services	(1,032.17)	
ADDITION	10	R26-02G1.14-P-0001	Services and Laterals-New	1/0/1900	2602	G	333000	Services	468.19	
ADDITION	10	R26-02G1.14-P-0001	Services and Laterals-New	1/0/1900	2602	G	333000	Services	312.13	
ADDITION	10	R26-02G1.14-P-0001	Services and Laterals-New	1/0/1900	2602	G	333000	Services	155.91	
ADDITION	10	R26-02G1.14-P-0001	Services and Laterals-New	1/0/1900	2602	G	333000	Services	6,090.16	
ADDITION	11	R26-02G1.14-P-0001	Services and Laterals-New	1/0/1900	2602	G	333000	Services	1,015.08	
ADDITION	11	R26-02G1.14-P-0001	Services and Laterals-New	1/0/1900	2602	G	333000	Services	89,894.29	
ADDITION	11	R26-02G1.14-P-0001	Services and Laterals-New	1/0/1900	2602	G	333000	Services	1,522.62	
ADDITION	11	R26-02G1.14-P-0001	Services and Laterals-New	1/0/1900	2602	G	333000	Services	1,522.61	
ADDITION	11	R26-02G1.14-P-0001	Services and Laterals-New	1/0/1900	2602	G	333000	Services	439.02	
ADDITION	11	R26-02G1.14-P-0001	Services and Laterals-New	1/0/1900	2602	G	333000	Services	38,878.68	
ADDITION	11	R26-02G1.14-P-0001	Services and Laterals-New	1/0/1900	2602	G	333000	Services	658.52	
ADDITION	11	R26-02G1.14-P-0001	Services and Laterals-New	1/0/1900	2602	G	333000	Services	658.52	
ADDITION	12	R26-02G1.14-P-0001	Services and Laterals-New	1/0/1900	2602	G	333000	Services	25,056.45	
ADDITION	12	R26-02G1.14-P-0001	Services and Laterals-New	1/0/1900	2602	G	333000	Services	344.88	
ADDITION	12	R26-02G1.15-P-0001	Work Order	1/0/1900	2602	G	333000	Services	584.05	
ADDITION	11	R26-05G1.14-P-0001	Work Order	1/0/1900	2605	G	333000	Services	332.82	
ADDITION	11	R26-02G1.14-P-0001	Services and Laterals-New	1/0/1900	2602	G	333000	Services	38.25	
ADDITION	11	R26-02G1.14-P-0001	Services and Laterals-New	1/0/1900	2602	G	333000	Services	3,387.01	
ADDITION	11	R26-02G1.14-P-0001	Services and Laterals-New	1/0/1900	2602	G	333000	Services	57.37	
ADDITION	11	R26-02G1.14-P-0001	Services and Laterals-New	1/0/1900	2602	G	333000	Services	57.37	
ADDITION	1	R26-02H1.14-P-0001	Services and Laterals-Replaced	1/0/1900	2602	H	333000	Services	87,686.21	QIIP
ADDITION	1	R26-02H1.14-P-0001	Services and Laterals-Replaced	1/0/1900	2602	H	333000	Services	1,277.20	QIIP
ADDITION	1	R26-02H1.14-P-0001	Services and Laterals-Replaced	1/0/1900	2602	H	333000	Services	1,074.64	QIIP
ADDITION	1	R26-02H1.14-P-0001	Services and Laterals-Replaced	1/0/1900	2602	H	333000	Services	10,482.19	QIIP
ADDITION	2	R26-02H1.14-P-0001	Services and Laterals-Replaced	1/0/1900	2602	H	333000	Services	3,214.38	QIIP
ADDITION	2	R26-02H1.14-P-0001	Services and Laterals-Replaced	1/0/1900	2602	H	333000	Services	(50,883.32)	QIIP
ADDITION	2	R26-02H1.14-P-0001	Services and Laterals-Replaced	1/0/1900	2602	H	333000	Services	79,941.02	QIIP
ADDITION	3	R26-02H1.14-P-0001	Services and Laterals-Replaced	1/0/1900	2602	H	333000	Services	1,122.94	QIIP
ADDITION	3	R26-02H1.14-P-0001	Services and Laterals-Replaced	1/0/1900	2602	H	333000	Services	1,932.94	QIIP
ADDITION	3	R26-02H1.14-P-0001	Services and Laterals-Replaced	1/0/1900	2602	H	333000	Services	54,992.28	QIIP
ADDITION	3	R26-02H1.14-P-0001	Services and Laterals-Replaced	1/0/1900	2602	H	333000	Services	(67,906.60)	QIIP
ADDITION	1	R26-05H1.14-P-0001	Work Order	1/0/1900	2605	H	333000	Services	4,847.41	QIIP
ADDITION	2	R26-05H1.14-P-0001	Work Order	1/0/1900	2605	H	333000	Services	2,326.89	QIIP
ADDITION	2	R26-05H1.14-P-0001	Work Order	1/0/1900	2605	H	333000	Services	260.34	QIIP
ADDITION	3	R26-05H1.14-P-0001	Work Order	1/0/1900	2605	H	333000	Services	2,877.26	QIIP
ADDITION	3	R26-05H1.14-P-0001	Work Order	1/0/1900	2605	H	333000	Services	472.68	QIIP
ADDITION	3	R26-05H1.14-P-0001	Work Order	1/0/1900	2605	H	333000	Services	2,260.54	QIIP
ADDITION	4	R26-05H1.14-P-0001	Work Order	1/0/1900	2605	H	333000	Services	788.14	QIIP
ADDITION	6	R26-05H1.14-P-0001	Work Order	1/0/1900	2605	H	333000	Services	3,953.39	QIIP
ADDITION	4	R26-02H1.14-P-0001	Services and Laterals-Replaced	1/0/1900	2602	H	333000	Services	(52,740.14)	QIIP
ADDITION	4	R26-02H1.14-P-0001	Services and Laterals-Replaced	1/0/1900	2602	H	333000	Services	287.69	QIIP
ADDITION	4	R26-02H1.14-P-0001	Services and Laterals-Replaced	1/0/1900	2602	H	333000	Services	1,009.99	QIIP
ADDITION	6	R26-05H1.14-P-0001	Work Order	1/0/1900	2605	H	333000	Services	363.71	QIIP
ADDITION	4	R26-02H1.14-P-0001	Services and Laterals-Replaced	1/0/1900	2602	H	333000	Services	65,444.85	QIIP
ADDITION	6	R26-02H1.14-P-0001	Services and Laterals-Replaced	1/0/1900	2602	H	333000	Services	1,174.40	QIIP
ADDITION	6	R26-02H1.14-P-0001	Services and Laterals-Replaced	1/0/1900	2602	H	333000	Services	(9,996.90)	QIIP
ADDITION	6	R26-02H1.14-P-0001	Services and Laterals-Replaced	1/0/1900	2602	H	333000	Services	99,297.89	QIIP
ADDITION	5	R26-02H1.14-P-0001	Services and Laterals-Replaced	1/0/1900	2602	H	333000	Services	(50,479.56)	QIIP
ADDITION	5	R26-05H1.14-P-0001	Work Order	1/0/1900	2605	H	333000	Services	3,805.39	QIIP
ADDITION	6	R26-02H1.14-P-0001	Services and Laterals-Replaced	1/0/1900	2602	H	333000	Services	520.23	QIIP

Type	Period	WBS	Description	In-Service Date	Profit center	Project #	Utility account	UA Naruc	Amount	Eligibility
ADDITION	5	R26-05H1.14-P-0001	Work Order	1/0/1900	2605	H	333000	Services	350.10	QIIP
ADDITION	5	R26-02H1.14-P-0001	Services and Laterals-Replaced	1/0/1900	2602	H	333000	Services	2,584.05	QIIP
ADDITION	4	R26-05H1.14-P-0001	Work Order	1/0/1900	2605	H	333000	Services	8,566.74	QIIP
ADDITION	5	R26-02H1.14-P-0001	Services and Laterals-Replaced	1/0/1900	2602	H	333000	Services	14,477.19	QIIP
ADDITION	9	R26-05H1.14-P-0001	Work Order	1/0/1900	2605	H	333000	Services	825.22	QIIP
ADDITION	9	R26-02H1.14-P-0001	Services and Laterals-Replaced	1/0/1900	2602	H	333000	Services	(1,407.50)	QIIP
ADDITION	8	R26-02H1.14-P-0001	Services and Laterals-Replaced	1/0/1900	2602	H	333000	Services	708.27	QIIP
ADDITION	9	R26-02H1.14-P-0001	Services and Laterals-Replaced	1/0/1900	2602	H	333000	Services	5.03	QIIP
ADDITION	8	R26-02H1.14-P-0001	Services and Laterals-Replaced	1/0/1900	2602	H	333000	Services	31,918.67	QIIP
ADDITION	8	R26-02H1.14-P-0001	Services and Laterals-Replaced	1/0/1900	2602	H	333000	Services	63,373.82	QIIP
ADDITION	7	R26-02H1.14-P-0001	Services and Laterals-Replaced	1/0/1900	2602	H	333000	Services	(83,008.40)	QIIP
ADDITION	8	R26-05H1.14-P-0001	Work Order	1/0/1900	2605	H	333000	Services	155.07	QIIP
ADDITION	9	R26-02H1.14-P-0001	Services and Laterals-Replaced	1/0/1900	2602	H	333000	Services	(19,252.69)	QIIP
ADDITION	8	R26-02H1.14-P-0001	Services and Laterals-Replaced	1/0/1900	2602	H	333000	Services	24,897.31	QIIP
ADDITION	8	R26-05H1.14-P-0001	Work Order	1/0/1900	2605	H	333000	Services	1,685.49	QIIP
ADDITION	7	R26-05H1.14-P-0001	Work Order	1/0/1900	2605	H	333000	Services	1,209.09	QIIP
ADDITION	7	R26-02H1.14-P-0001	Services and Laterals-Replaced	1/0/1900	2602	H	333000	Services	2,086.09	QIIP
ADDITION	7	R26-05H1.14-P-0001	Work Order	1/0/1900	2605	H	333000	Services	599.43	QIIP
ADDITION	7	R26-02H1.14-P-0001	Services and Laterals-Replaced	1/0/1900	2602	H	333000	Services	6,588.67	QIIP
ADDITION	9	R26-05H1.14-P-0001	Work Order	1/0/1900	2605	H	333000	Services	9,382.92	QIIP
ADDITION	7	R26-05H1.14-P-0001	Work Order	1/0/1900	2605	H	333000	Services	12,542.86	QIIP
ADDITION	12	R26-02H1.14-P-0001	Services and Laterals-Replaced	1/0/1900	2602	H	333000	Services	1,509.87	QIIP
ADDITION	11	R26-05H1.14-P-0001	Work Order	1/0/1900	2605	H	333000	Services	(240.27)	QIIP
ADDITION	12	R26-02H1.14-P-0001	Services and Laterals-Replaced	1/0/1900	2602	H	333000	Services	(471.61)	QIIP
ADDITION	12	R26-02H1.14-P-0001	Services and Laterals-Replaced	1/0/1900	2602	H	333000	Services	(1,448.85)	QIIP
ADDITION	12	R26-02H1.15-P-0001	Work Order	1/0/1900	2602	H	333000	Services	(1.87)	QIIP
ADDITION	11	R26-05H1.14-P-0001	Work Order	1/0/1900	2605	H	333000	Services	1,113.49	QIIP
ADDITION	11	R26-02H1.14-P-0001	Services and Laterals-Replaced	1/0/1900	2602	H	333000	Services	4,296.73	QIIP
ADDITION	10	R26-02H1.14-P-0001	Services and Laterals-Replaced	1/0/1900	2602	H	333000	Services	6,160.05	QIIP
ADDITION	10	R26-05H1.14-P-0001	Work Order	1/0/1900	2605	H	333000	Services	5,384.33	QIIP
ADDITION	12	R26-05H1.14-P-0001	Work Order	1/0/1900	2605	H	333000	Services	870.55	QIIP
ADDITION	12	R26-05H1.14-P-0001	Work Order	1/0/1900	2605	H	333000	Services	(145.02)	QIIP
ADDITION	12	R26-05H1.14-P-0001	Work Order	1/0/1900	2605	H	333000	Services	4,312.36	QIIP
ADDITION	12	R26-05H1.14-P-0001	Work Order	1/0/1900	2605	H	333000	Services	7,246.95	QIIP
ADDITION	10	R26-02H1.14-P-0001	Services and Laterals-Replaced	1/0/1900	2602	H	333000	Services	19,685.88	QIIP
ADDITION	10	R26-02H1.14-P-0001	Services and Laterals-Replaced	1/0/1900	2602	H	333000	Services	2,280.90	QIIP
ADDITION	10	R26-02H1.14-P-0001	Services and Laterals-Replaced	1/0/1900	2602	H	333000	Services	20,351.25	QIIP
ADDITION	10	R26-05H1.14-P-0001	Work Order	1/0/1900	2605	H	333000	Services	8,051.89	QIIP
ADDITION	10	R26-05H1.14-P-0001	Work Order	1/0/1900	2605	H	333000	Services	740.77	QIIP
ADDITION	11	R26-02H1.14-P-0001	Services and Laterals-Replaced	1/0/1900	2602	H	333000	Services	19,083.91	QIIP
ADDITION	11	R26-05H1.14-P-0001	Work Order	1/0/1900	2605	H	333000	Services	5,150.09	QIIP
ADDITION	11	R26-02H1.14-P-0001	Services and Laterals-Replaced	1/0/1900	2602	H	333000	Services	22,873.35	QIIP
ADDITION	12	R26-02H1.15-P-0001	Work Order	1/0/1900	2602	H	333000	Services	380.94	QIIP
ADDITION	12	R26-02H1.14-P-0001	Services and Laterals-Replaced	1/0/1900	2602	H	333000	Services	19,617.96	QIIP
ADDITION	11	R26-05H1.14-P-0001	Work Order	1/0/1900	2605	H	333000	Services	6,959.08	QIIP
ADDITION	11	R26-02H1.14-P-0001	Services and Laterals-Replaced	1/0/1900	2602	H	333000	Services	11,044.35	QIIP
ADDITION	1	R26-02I1.13-P-0001	Meters-New -Blanket	1/0/1900	2602	I	334100	Meters	7,005.41	
ADDITION	1	R26-02I1.13-P-0001	Meters-New -Blanket	1/0/1900	2602	I	334200	Meter Installations	675.41	
ADDITION	1	R26-02I1.13-P-0001	Meters-New -Blanket	1/0/1900	2602	I	334200	Meter Installations	8,293.84	
ADDITION	1	R26-02I1.13-P-0001	Meters-New -Blanket	1/0/1900	2602	I	334100	Meters	570.49	
ADDITION	1	R26-02I1.13-P-0001	Meters-New -Blanket	1/0/1900	2602	I	334100	Meters	2.00	
ADDITION	1	R26-02I1.13-P-0001	Meters-New -Blanket	1/0/1900	2602	I	334200	Meter Installations	4.00	

Type	Period	WBS	Description	In-Service Date	Profit center	Project #	Utility account	UA Naruc	Amount	Eligibility
ADDITION	1	R26-0211.13-P-0001	Meters-New -Blanket	1/0/1900	2602	I	334200	Meter Installations	8.00	
ADDITION	1	R26-0211.13-P-0001	Meters-New -Blanket	1/0/1900	2602	I	334100	Meters	3.99	
ADDITION	1	R26-0211.13-P-0001	Meters-New -Blanket	1/0/1900	2602	I	334200	Meter Installations	0.33	
ADDITION	1	R26-0211.13-P-0001	Meters-New -Blanket	1/0/1900	2602	I	334100	Meters	0.16	
ADDITION	1	R26-0211.13-P-0001	Meters-New -Blanket	1/0/1900	2602	I	334200	Meter Installations	0.65	
ADDITION	1	R26-0211.13-P-0001	Meters-New -Blanket	1/0/1900	2602	I	334100	Meters	0.32	
ADDITION	2	R26-0211.13-P-0001	Meters-New -Blanket	1/0/1900	2602	I	334200	Meter Installations	474.57	
ADDITION	2	R26-0211.13-P-0001	Meters-New -Blanket	1/0/1900	2602	I	334200	Meter Installations	474.58	
ADDITION	2	R26-0211.13-P-0001	Meters-New -Blanket	1/0/1900	2602	I	334100	Meters	474.58	
ADDITION	2	R26-0211.13-P-0001	Meters-New -Blanket	1/0/1900	2602	I	334200	Meter Installations	474.58	
ADDITION	2	R26-0211.13-P-0001	Meters-New -Blanket	1/0/1900	2602	I	334100	Meters	474.58	
ADDITION	2	R26-0211.13-P-0001	Meters-New -Blanket	1/0/1900	2602	I	334200	Meter Installations	474.58	
ADDITION	2	R26-0211.13-P-0001	Meters-New -Blanket	1/0/1900	2602	I	334100	Meters	474.58	
ADDITION	2	R26-0211.13-P-0001	Meters-New -Blanket	1/0/1900	2602	I	334100	Meters	6,695.07	
ADDITION	2	R26-0211.13-P-0001	Meters-New -Blanket	1/0/1900	2602	I	334200	Meter Installations	821.85	
ADDITION	2	R26-0211.13-P-0001	Meters-New -Blanket	1/0/1900	2602	I	334100	Meters	128,452.76	
ADDITION	2	R26-0211.13-P-0001	Meters-New -Blanket	1/0/1900	2602	I	334200	Meter Installations	163.92	
ADDITION	2	R26-0211.13-P-0001	Meters-New -Blanket	1/0/1900	2602	I	334100	Meters	725.94	
ADDITION	2	R26-0211.13-P-0001	Meters-New -Blanket	1/0/1900	2602	I	334200	Meter Installations	302.92	
ADDITION	2	R26-0211.13-P-0001	Meters-New -Blanket	1/0/1900	2602	I	334100	Meters	1,426.15	
ADDITION	2	R26-0211.13-P-0001	Meters-New -Blanket	1/0/1900	2602	I	334200	Meter Installations	67,790.28	
ADDITION	2	R26-0211.13-P-0001	Meters-New -Blanket	1/0/1900	2602	I	334200	Meter Installations	32.87	
ADDITION	2	R26-0211.13-P-0001	Meters-New -Blanket	1/0/1900	2602	I	334100	Meters	32.84	
ADDITION	2	R26-0211.13-P-0001	Meters-New -Blanket	1/0/1900	2602	I	334200	Meter Installations	32.87	
ADDITION	2	R26-0211.13-P-0001	Meters-New -Blanket	1/0/1900	2602	I	334200	Meter Installations	32.87	
ADDITION	2	R26-0211.13-P-0001	Meters-New -Blanket	1/0/1900	2602	I	334100	Meters	16.41	
ADDITION	2	R26-0211.13-P-0001	Meters-New -Blanket	1/0/1900	2602	I	334200	Meter Installations	(4,959.44)	
ADDITION	2	R26-0211.13-P-0001	Meters-New -Blanket	1/0/1900	2602	I	334100	Meters	(7,575.90)	
ADDITION	2	R26-0211.13-P-0001	Meters-New -Blanket	1/0/1900	2602	I	334200	Meter Installations	(8,969.25)	
ADDITION	2	R26-0211.13-P-0001	Meters-New -Blanket	1/0/1900	2602	I	334100	Meters	(188.11)	
ADDITION	2	R26-0211.13-P-0001	Meters-New -Blanket	1/0/1900	2602	I	334200	Meter Installations	(376.83)	
ADDITION	2	R26-0211.13-P-0001	Meters-New -Blanket	1/0/1900	2602	I	334100	Meters	(4.31)	
ADDITION	2	R26-0211.13-P-0001	Meters-New -Blanket	1/0/1900	2602	I	334200	Meter Installations	(8.65)	
ADDITION	2	R26-0211.13-P-0001	Meters-New -Blanket	1/0/1900	2602	I	334200	Meter Installations	(130,511.52)	
ADDITION	2	R26-0211.13-P-0001	Meters-New -Blanket	1/0/1900	2602	I	334100	Meters	(73,313.47)	
ADDITION	2	R26-0211.13-P-0001	Meters-New -Blanket	1/0/1900	2602	I	334200	Meter Installations	(4.33)	
ADDITION	2	R26-0211.13-P-0001	Meters-New -Blanket	1/0/1900	2602	I	334100	Meters	(2.16)	
ADDITION	2	R26-0211.13-P-0001	Meters-New -Blanket	1/0/1900	2602	I	334200	Meter Installations	(300.67)	
ADDITION	2	R26-0211.13-P-0001	Meters-New -Blanket	1/0/1900	2602	I	334100	Meters	(150.07)	
ADDITION	3	R26-0211.13-P-0001	Meters-New -Blanket	1/0/1900	2602	I	334200	Meter Installations	1,617.61	
ADDITION	3	R26-0211.13-P-0001	Meters-New -Blanket	1/0/1900	2602	I	334100	Meters	1,617.61	
ADDITION	3	R26-0211.13-P-0001	Meters-New -Blanket	1/0/1900	2602	I	334100	Meters	148.82	
ADDITION	3	R26-0211.13-P-0001	Meters-New -Blanket	1/0/1900	2602	I	334200	Meter Installations	148.82	
ADDITION	3	R26-0211.13-P-0001	Meters-New -Blanket	1/0/1900	2602	I	334200	Meter Installations	1,617.59	
ADDITION	3	R26-0211.13-P-0001	Meters-New -Blanket	1/0/1900	2602	I	334200	Meter Installations	1,617.61	
ADDITION	3	R26-0211.13-P-0001	Meters-New -Blanket	1/0/1900	2602	I	334200	Meter Installations	148.82	
ADDITION	3	R26-0211.13-P-0001	Meters-New -Blanket	1/0/1900	2602	I	334100	Meters	148.82	
ADDITION	3	R26-0211.13-P-0001	Meters-New -Blanket	1/0/1900	2602	I	334200	Meter Installations	148.82	
ADDITION	3	R26-0211.13-P-0001	Meters-New -Blanket	1/0/1900	2602	I	334100	Meters	1,617.61	
ADDITION	3	R26-0211.13-P-0001	Meters-New -Blanket	1/0/1900	2602	I	334200	Meter Installations	148.82	
ADDITION	3	R26-0211.13-P-0001	Meters-New -Blanket	1/0/1900	2602	I	334100	Meters	148.82	
ADDITION	3	R26-0211.13-P-0001	Meters-New -Blanket	1/0/1900	2602	I	334200	Meter Installations	1,617.61	
ADDITION	3	R26-0211.13-P-0001	Meters-New -Blanket	1/0/1900	2602	I	334100	Meters	148.82	
ADDITION	3	R26-0211.13-P-0001	Meters-New -Blanket	1/0/1900	2602	I	334200	Meter Installations	1,617.61	

Type	Period	WBS	Description	In-Service Date	Profit center	Project #	Utility account	UA Naruc	Amount	Eligibility
ADDITION	3	R26-0211.13-P-0001	Meters-New -Blanket	1/0/1900	2602	I	334100	Meters	1,617.61	
ADDITION	1	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334200	Meter Installations	21.94	
ADDITION	1	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334200	Meter Installations	238.46	
ADDITION	1	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334200	Meter Installations	6,239.56	
ADDITION	2	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334200	Meter Installations	2,814.14	
ADDITION	2	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334200	Meter Installations	25,482.37	
ADDITION	2	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334200	Meter Installations	828.97	
ADDITION	3	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334100	Meters	45.72	
ADDITION	3	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334200	Meter Installations	14.49	
ADDITION	3	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334100	Meters	7.23	
ADDITION	3	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334200	Meter Installations	22.78	
ADDITION	3	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334100	Meters	65.51	
ADDITION	3	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334100	Meters	11.37	
ADDITION	3	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334200	Meter Installations	131.27	
ADDITION	3	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334200	Meter Installations	91.62	
ADDITION	3	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334100	Meters	68.58	
ADDITION	3	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334100	Meters	17.05	
ADDITION	3	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334200	Meter Installations	34.17	
ADDITION	3	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334200	Meter Installations	137.42	
ADDITION	3	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334100	Meters	10.85	
ADDITION	3	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334200	Meter Installations	21.74	
ADDITION	3	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334100	Meters	98.28	
ADDITION	3	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334200	Meter Installations	196.90	
ADDITION	3	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334200	Meter Installations	441.48	
ADDITION	3	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334100	Meters	175.72	
ADDITION	3	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334200	Meter Installations	1,775.65	
ADDITION	3	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334100	Meters	706.75	
ADDITION	3	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334200	Meter Installations	280.89	
ADDITION	3	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334100	Meters	111.80	
ADDITION	3	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334200	Meter Installations	2,544.27	
ADDITION	3	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334100	Meters	1,012.68	
ADDITION	2	R26-0511.14-P-0001	Meters - New	1/0/1900	2605	I	334200	Meter Installations	601.84	
ADDITION	2	R26-0511.14-P-0001	Meters - New	1/0/1900	2605	I	334200	Meter Installations	6,541.74	
ADDITION	3	R26-0511.14-P-0001	Meters - New	1/0/1900	2605	I	334200	Meter Installations	939.03	
ADDITION	3	R26-0511.14-P-0001	Meters - New	1/0/1900	2605	I	334200	Meter Installations	86.39	
ADDITION	4	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334200	Meter Installations	280.89	
ADDITION	4	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334100	Meters	10.85	
ADDITION	6	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334200	Meter Installations	165.28	
ADDITION	4	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334100	Meters	111.80	
ADDITION	4	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334200	Meter Installations	14.49	
ADDITION	6	R26-0211.13-P-0001	Meters-New -Blanket	1/0/1900	2602	I	334100	Meters	16.69	
ADDITION	6	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334100	Meters	6.38	
ADDITION	4	R26-0211.13-P-0001	Meters-New -Blanket	1/0/1900	2602	I	334100	Meters	16.17	
ADDITION	4	R26-0211.13-P-0001	Meters-New -Blanket	1/0/1900	2602	I	334100	Meters	16.17	
ADDITION	4	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334200	Meter Installations	21.74	
ADDITION	4	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334100	Meters	(10.85)	
ADDITION	4	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334100	Meters	(7.23)	
ADDITION	4	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334100	Meters	(111.80)	
ADDITION	6	R26-0211.13-P-0001	Meters-New -Blanket	1/0/1900	2602	I	334100	Meters	516.40	
ADDITION	4	R26-0211.13-P-0001	Meters-New -Blanket	1/0/1900	2602	I	334200	Meter Installations	935.84	
ADDITION	4	R26-0211.13-P-0001	Meters-New -Blanket	1/0/1900	2602	I	334200	Meter Installations	32.42	
ADDITION	4	R26-0511.14-P-0001	Meters - New	1/0/1900	2605	I	334200	Meter Installations	13.04	

Type	Period	WBS	Description	In-Service Date	Profit center	Project #	Utility account	UA Naruc	Amount	Eligibility
ADDITION	5	R26-0211.13-P-0001	Meters-New -Blanket	1/0/1900	2602	I	334200	Meter Installations	226.72	
ADDITION	4	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334100	Meters	7.23	
ADDITION	4	R26-0211.13-P-0001	Meters-New -Blanket	1/0/1900	2602	I	334200	Meter Installations	10,172.20	
ADDITION	4	R26-0211.13-P-0001	Meters-New -Blanket	1/0/1900	2602	I	334100	Meters	4,387.76	
ADDITION	4	R26-0211.13-P-0001	Meters-New -Blanket	1/0/1900	2602	I	334200	Meter Installations	352.26	
ADDITION	4	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334200	Meter Installations	(21.74)	
ADDITION	4	R26-0211.13-P-0001	Meters-New -Blanket	1/0/1900	2602	I	334200	Meter Installations	352.26	
ADDITION	6	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334200	Meter Installations	8.53	
ADDITION	5	R26-0211.13-P-0001	Meters-New -Blanket	1/0/1900	2602	I	334100	Meters	339.45	
ADDITION	6	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334100	Meters	65.79	
ADDITION	6	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334200	Meter Installations	12.79	
ADDITION	6	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334100	Meters	4.26	
ADDITION	6	R26-0211.13-P-0001	Meters-New -Blanket	1/0/1900	2602	I	334100	Meters	5.55	
ADDITION	6	R26-0211.13-P-0001	Meters-New -Blanket	1/0/1900	2602	I	334200	Meter Installations	33.44	
ADDITION	4	R26-0211.13-P-0001	Meters-New -Blanket	1/0/1900	2602	I	334100	Meters	175.81	
ADDITION	6	R26-0211.13-P-0001	Meters-New -Blanket	1/0/1900	2602	I	334200	Meter Installations	11.15	
ADDITION	6	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334200	Meter Installations	1,796.55	
ADDITION	6	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334100	Meters	69.39	
ADDITION	6	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334100	Meters	715.08	
ADDITION	6	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334200	Meter Installations	139.04	
ADDITION	6	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334100	Meters	46.26	
ADDITION	6	R26-0211.13-P-0001	Meters-New -Blanket	1/0/1900	2602	I	334100	Meters	60.47	
ADDITION	6	R26-0211.13-P-0001	Meters-New -Blanket	1/0/1900	2602	I	334200	Meter Installations	363.46	
ADDITION	6	R26-0211.13-P-0001	Meters-New -Blanket	1/0/1900	2602	I	334200	Meter Installations	13,145.94	
ADDITION	6	R26-0211.13-P-0001	Meters-New -Blanket	1/0/1900	2602	I	334100	Meters	5,613.03	
ADDITION	6	R26-0211.13-P-0001	Meters-New -Blanket	1/0/1900	2602	I	334200	Meter Installations	121.15	
ADDITION	6	R26-0211.13-P-0001	Meters-New -Blanket	1/0/1900	2602	I	334100	Meters	181.40	
ADDITION	4	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334200	Meter Installations	(14.49)	
ADDITION	4	R26-0211.13-P-0001	Meters-New -Blanket	1/0/1900	2602	I	334200	Meter Installations	32.41	
ADDITION	4	R26-0211.13-P-0001	Meters-New -Blanket	1/0/1900	2602	I	334100	Meters	403.67	
ADDITION	5	R26-0211.13-P-0001	Meters-New -Blanket	1/0/1900	2602	I	334100	Meters	10,503.73	
ADDITION	5	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334200	Meter Installations	(280.89)	
ADDITION	5	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334100	Meters	(10.85)	
ADDITION	5	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334100	Meters	(111.80)	
ADDITION	5	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334200	Meter Installations	(14.49)	
ADDITION	5	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334200	Meter Installations	(21.74)	
ADDITION	5	R26-0211.13-P-0001	Meters-New -Blanket	1/0/1900	2602	I	334100	Meters	113.14	
ADDITION	5	R26-0211.13-P-0001	Meters-New -Blanket	1/0/1900	2602	I	334200	Meter Installations	680.15	
ADDITION	5	R26-0211.13-P-0001	Meters-New -Blanket	1/0/1900	2602	I	334200	Meter Installations	24,600.18	
ADDITION	5	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334100	Meters	(7.23)	
ADDITION	6	R26-0211.13-P-0001	Meters-New -Blanket	1/0/1900	2602	I	334200	Meter Installations	1,209.43	
ADDITION	4	R26-0211.13-P-0001	Meters-New -Blanket	1/0/1900	2602	I	334100	Meters	175.81	
ADDITION	6	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334200	Meter Installations	92.68	
ADDITION	5	R26-0211.13-P-0001	Meters-New -Blanket	1/0/1900	2602	I	334100	Meters	10.41	
ADDITION	5	R26-0211.13-P-0001	Meters-New -Blanket	1/0/1900	2602	I	334200	Meter Installations	2,263.22	
ADDITION	5	R26-0211.13-P-0001	Meters-New -Blanket	1/0/1900	2602	I	334100	Meters	966.34	
ADDITION	5	R26-0211.13-P-0001	Meters-New -Blanket	1/0/1900	2602	I	334200	Meter Installations	20.86	
ADDITION	5	R26-0211.13-P-0001	Meters-New -Blanket	1/0/1900	2602	I	334200	Meter Installations	62.57	
ADDITION	5	R26-0211.13-P-0001	Meters-New -Blanket	1/0/1900	2602	I	334100	Meters	31.23	
ADDITION	4	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334200	Meter Installations	(280.89)	
ADDITION	4	R26-0511.14-P-0001	Meters - New	1/0/1900	2605	I	334200	Meter Installations	141.70	
ADDITION	4	R26-0211.14-P-0002	PURCHASE 4" METER FOR TN VALLEY ICE	4/15/2014	2602	I	334200	Meter Installations	2,163.25	

Type	Period	WBS	Description	In-Service Date	Profit center	Project #	Utility account	UA Naruc	Amount	Eligibility
ADDITION	9	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334100	Meters	263.04	
ADDITION	7	R26-0211.13-P-0001	Meters-New -Blanket	1/0/1900	2602	I	334100	Meters	99.91	
ADDITION	8	R26-0211.13-P-0001	Meters-New -Blanket	1/0/1900	2602	I	334200	Meter Installations	(1.80)	
ADDITION	9	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334100	Meters	2,710.50	
ADDITION	8	R26-0211.13-P-0001	Meters-New -Blanket	1/0/1900	2602	I	334200	Meter Installations	(3.59)	
ADDITION	9	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334200	Meter Installations	351.34	
ADDITION	9	R26-0211.14-P-0005	purchase and install 8" meter - Als	8/1/2014	2602	I	334200	Meter Installations	(12,887.73)	
ADDITION	8	R26-0211.13-P-0001	Meters-New -Blanket	1/0/1900	2602	I	334100	Meters	(1.79)	
ADDITION	7	R26-0211.13-P-0001	Meters-New -Blanket	1/0/1900	2602	I	334200	Meter Installations	200.18	
ADDITION	9	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334200	Meter Installations	6,809.86	
ADDITION	9	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334200	Meter Installations	32.33	
ADDITION	9	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334100	Meters	249.36	
ADDITION	9	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334200	Meter Installations	48.49	
ADDITION	9	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334100	Meters	16.13	
ADDITION	7	R26-0211.13-P-0001	Meters-New -Blanket	1/0/1900	2602	I	334100	Meters	6,119.77	
ADDITION	7	R26-0211.14-P-0003	8" Mstr Mtr The Springs at Chatt on	7/31/2014	2602	I	334100	Meters	6,300.55	
ADDITION	9	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334100	Meters	175.35	
ADDITION	7	R26-0211.13-P-0001	Meters-New -Blanket	1/0/1900	2602	I	334100	Meters	49.96	
ADDITION	7	R26-0211.13-P-0001	Meters-New -Blanket	1/0/1900	2602	I	334200	Meter Installations	200.18	
ADDITION	8	R26-0211.14-P-0005	purchase and install 8" meter - Als	8/1/2014	2602	I	334200	Meter Installations	25,775.46	
ADDITION	8	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334200	Meter Installations	778.78	
ADDITION	8	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334200	Meter Installations	15,094.59	
ADDITION	8	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334100	Meters	583.03	
ADDITION	8	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334100	Meters	6,008.03	
ADDITION	8	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334200	Meter Installations	1,168.18	
ADDITION	8	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334100	Meters	388.69	
ADDITION	8	R26-0211.13-P-0001	Meters-New -Blanket	1/0/1900	2602	I	334100	Meters	(4.86)	
ADDITION	8	R26-0211.13-P-0001	Meters-New -Blanket	1/0/1900	2602	I	334200	Meter Installations	(39.08)	
ADDITION	8	R26-0211.13-P-0001	Meters-New -Blanket	1/0/1900	2602	I	334200	Meter Installations	(19.53)	
ADDITION	8	R26-0211.13-P-0001	Meters-New -Blanket	1/0/1900	2602	I	334100	Meters	(19.50)	
ADDITION	8	R26-0211.13-P-0001	Meters-New -Blanket	1/0/1900	2602	I	334200	Meter Installations	(3,744.40)	
ADDITION	8	R26-0211.13-P-0001	Meters-New -Blanket	1/0/1900	2602	I	334100	Meters	(1,437.78)	
ADDITION	8	R26-0211.13-P-0001	Meters-New -Blanket	1/0/1900	2602	I	334200	Meter Installations	(39.08)	
ADDITION	8	R26-0211.13-P-0001	Meters-New -Blanket	1/0/1900	2602	I	334100	Meters	(9.75)	
ADDITION	8	R26-0211.13-P-0001	Meters-New -Blanket	1/0/1900	2602	I	334200	Meter Installations	(9.77)	
ADDITION	8	R26-0211.13-P-0001	Meters-New -Blanket	1/0/1900	2602	I	334100	Meters	(19.50)	
ADDITION	9	R26-0211.14-P-0005	purchase and install 8" meter - Als	8/1/2014	2602	I	334200	Meter Installations	(1,185.67)	
ADDITION	9	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334200	Meter Installations	626.50	
ADDITION	8	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334200	Meter Installations	14.49	
ADDITION	8	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334200	Meter Installations	280.89	
ADDITION	8	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334100	Meters	10.85	
ADDITION	8	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334100	Meters	111.80	
ADDITION	8	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334200	Meter Installations	21.74	
ADDITION	8	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334100	Meters	7.23	
ADDITION	8	R26-0211.13-P-0001	Meters-New -Blanket	1/0/1900	2602	I	334100	Meters	(0.45)	
ADDITION	9	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334200	Meter Installations	527.02	
ADDITION	8	R26-0211.14-P-0005	purchase and install 8" meter - Als	8/1/2014	2602	I	334200	Meter Installations	6,185.64	
ADDITION	7	R26-0211.13-P-0001	Meters-New -Blanket	1/0/1900	2602	I	334200	Meter Installations	50.05	
ADDITION	7	R26-0211.13-P-0001	Meters-New -Blanket	1/0/1900	2602	I	334200	Meter Installations	16,294.39	
ADDITION	7	R26-0211.13-P-0001	Meters-New -Blanket	1/0/1900	2602	I	334200	Meter Installations	100.09	
ADDITION	7	R26-0211.13-P-0001	Meters-New -Blanket	1/0/1900	2602	I	334100	Meters	24.98	
ADDITION	8	R26-0211.14-P-0005	purchase and install 8" meter - Als	8/1/2014	2602	I	334200	Meter Installations	2,371.34	

Type	Period	WBS	Description	In-Service Date	Profit center	Project #	Utility account	UA Naruc	Amount	Eligibility
ADDITION	8	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334200	Meter Installations	70.33	
ADDITION	8	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334200	Meter Installations	1,362.86	
ADDITION	8	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334100	Meters	52.64	
ADDITION	8	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334100	Meters	542.45	
ADDITION	8	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334200	Meter Installations	105.47	
ADDITION	8	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334100	Meters	35.09	
ADDITION	8	R26-0211.13-P-0001	Meters-New -Blanket	1/0/1900	2602	I	334100	Meters	(1.79)	
ADDITION	8	R26-0211.13-P-0001	Meters-New -Blanket	1/0/1900	2602	I	334200	Meter Installations	(344.49)	
ADDITION	8	R26-0211.13-P-0001	Meters-New -Blanket	1/0/1900	2602	I	334100	Meters	(132.28)	
ADDITION	8	R26-0211.13-P-0001	Meters-New -Blanket	1/0/1900	2602	I	334200	Meter Installations	(3.59)	
ADDITION	8	R26-0211.13-P-0001	Meters-New -Blanket	1/0/1900	2602	I	334100	Meters	(0.90)	
ADDITION	8	R26-0211.13-P-0001	Meters-New -Blanket	1/0/1900	2602	I	334200	Meter Installations	(0.90)	
ADDITION	7	R26-0211.13-P-0001	Meters-New -Blanket	1/0/1900	2602	I	334100	Meters	99.91	
ADDITION	7	R26-0211.14-P-0004	6" Mst Mtr Bridgeway Apts McCutcheo	7/2/2014	2602	I	334100	Meters	3,802.58	
ADDITION	7	R26-0211.14-P-0004	6" Mst Mtr Bridgeway Apts McCutcheo	7/2/2014	2602	I	334100	Meters	11.46	
ADDITION	7	R26-0211.14-P-0003	8" Mstr Mtr The Springs at Chatt on	7/31/2014	2602	I	334100	Meters	18.99	
ADDITION	9	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334100	Meters	24.20	
ADDITION	7	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334200	Meter Installations	2.09	
ADDITION	7	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334200	Meter Installations	40.52	
ADDITION	7	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334100	Meters	1.57	
ADDITION	7	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334200	Meter Installations	3.14	
ADDITION	7	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334100	Meters	1.04	
ADDITION	7	R26-0211.13-P-0001	Meters-New -Blanket	1/0/1900	2602	I	334100	Meters	2.29	
ADDITION	7	R26-0211.13-P-0001	Meters-New -Blanket	1/0/1900	2602	I	334200	Meter Installations	18.42	
ADDITION	7	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334100	Meters	16.13	
ADDITION	7	R26-0211.13-P-0001	Meters-New -Blanket	1/0/1900	2602	I	334200	Meter Installations	9.21	
ADDITION	7	R26-0211.13-P-0001	Meters-New -Blanket	1/0/1900	2602	I	334100	Meters	9.19	
ADDITION	7	R26-0211.13-P-0001	Meters-New -Blanket	1/0/1900	2602	I	334200	Meter Installations	1,499.09	
ADDITION	7	R26-0211.13-P-0001	Meters-New -Blanket	1/0/1900	2602	I	334100	Meters	563.02	
ADDITION	7	R26-0211.13-P-0001	Meters-New -Blanket	1/0/1900	2602	I	334200	Meter Installations	18.42	
ADDITION	7	R26-0211.13-P-0001	Meters-New -Blanket	1/0/1900	2602	I	334100	Meters	4.60	
ADDITION	7	R26-0211.13-P-0001	Meters-New -Blanket	1/0/1900	2602	I	334200	Meter Installations	4.60	
ADDITION	7	R26-0211.13-P-0001	Meters-New -Blanket	1/0/1900	2602	I	334100	Meters	9.19	
ADDITION	7	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334100	Meters	11.34	
ADDITION	8	R26-0211.14-P-0005	purchase and install 8" meter - Als	8/1/2014	2602	I	334200	Meter Installations	61.06	
ADDITION	7	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334200	Meter Installations	22.73	
ADDITION	7	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334200	Meter Installations	440.49	
ADDITION	7	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334100	Meters	17.01	
ADDITION	7	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334100	Meters	175.33	
ADDITION	7	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334200	Meter Installations	34.09	
ADDITION	7	R26-0211.14-P-0002	PURCHASE 4" METER FOR TN VALLEY ICE	4/15/2014	2602	I	334200	Meter Installations	2,163.25	
ADDITION	7	R26-0211.14-P-0002	PURCHASE 4" METER FOR TN VALLEY ICE	4/15/2014	2602	I	334200	Meter Installations	(2,163.25)	
ADDITION	12	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334200	Meter Installations	(133.23)	
ADDITION	10	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334100	Meters	4,906.65	
ADDITION	12	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334100	Meters	175.23	
ADDITION	12	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334100	Meters	4.07	
ADDITION	12	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334100	Meters	(0.92)	
ADDITION	11	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334200	Meter Installations	943.48	
ADDITION	12	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334100	Meters	31.08	
ADDITION	12	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334200	Meter Installations	2.04	
ADDITION	12	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334200	Meter Installations	(1.85)	
ADDITION	12	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334100	Meters	(1.23)	

Type	Period	WBS	Description	In-Service Date	Profit center	Project #	Utility account	UA Naruc	Amount	Eligibility
ADDITION	11	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334200	Meter Installations	10.75	
ADDITION	11	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334200	Meter Installations	16.13	
ADDITION	12	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334100	Meters	31.08	
ADDITION	12	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334200	Meter Installations	62.30	
ADDITION	10	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334200	Meter Installations	478.23	
ADDITION	10	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334200	Meter Installations	44.00	
ADDITION	12	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334200	Meter Installations	4.21	
ADDITION	12	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334200	Meter Installations	6.12	
ADDITION	12	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334100	Meters	(0.92)	
ADDITION	12	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334100	Meters	(52.99)	
ADDITION	12	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334200	Meter Installations	(1.85)	
ADDITION	11	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334100	Meters	8.05	
ADDITION	11	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334100	Meters	8.05	
ADDITION	11	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334200	Meter Installations	16.13	
ADDITION	12	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334200	Meter Installations	41.53	
ADDITION	12	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334200	Meter Installations	62.30	
ADDITION	12	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334200	Meter Installations	62.30	
ADDITION	12	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334100	Meters	41.46	
ADDITION	10	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334100	Meters	238.68	
ADDITION	10	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334200	Meter Installations	1,131.88	
ADDITION	10	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334100	Meters	451.41	
ADDITION	12	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334200	Meter Installations	4.21	
ADDITION	12	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334100	Meters	2.10	
ADDITION	12	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334100	Meters	2.10	
ADDITION	12	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334200	Meter Installations	302.89	
ADDITION	10	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334200	Meter Installations	11.69	
ADDITION	10	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334100	Meters	119.97	
ADDITION	10	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334200	Meter Installations	300.82	
ADDITION	10	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334200	Meter Installations	7.79	
ADDITION	10	R26-0211.14-P-0005	purchase and install 8" meter - Als	8/1/2014	2602	I	334200	Meter Installations	37.44	
ADDITION	12	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334100	Meters	1.02	
ADDITION	12	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334200	Meter Installations	6.12	
ADDITION	12	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334100	Meters	3.05	
ADDITION	12	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334200	Meter Installations	440.53	
ADDITION	12	R26-0511.14-P-0001	Meters - New	1/0/1900	2605	I	334200	Meter Installations	(1.94)	
ADDITION	12	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334100	Meters	(0.93)	
ADDITION	12	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334200	Meter Installations	(1.23)	
ADDITION	12	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334200	Meter Installations	(1.85)	
ADDITION	12	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334100	Meters	(0.31)	
ADDITION	12	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334200	Meter Installations	(0.62)	
ADDITION	11	R26-0511.14-P-0001	Meters - New	1/0/1900	2605	I	334200	Meter Installations	36.43	
ADDITION	11	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334100	Meters	363.23	
ADDITION	11	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334100	Meters	5.37	
ADDITION	10	R26-0211.14-P-0005	purchase and install 8" meter - Als	8/1/2014	2602	I	334200	Meter Installations	18.20	
ADDITION	12	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334100	Meters	31.11	
ADDITION	12	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334200	Meter Installations	4,485.49	
ADDITION	12	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334100	Meters	1,784.17	
ADDITION	12	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334200	Meter Installations	20.77	
ADDITION	12	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334100	Meters	10.35	
ADDITION	12	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334200	Meter Installations	4.21	
ADDITION	12	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334100	Meters	2.10	
ADDITION	10	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334200	Meter Installations	12,303.08	

Type	Period	WBS	Description	In-Service Date	Profit center	Project #	Utility account	UA Naruc	Amount	Eligibility
ADDITION	10	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334100	Meters	159.12	
ADDITION	10	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334100	Meters	14.64	
ADDITION	10	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334100	Meters	21.96	
ADDITION	10	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334200	Meter Installations	318.80	
ADDITION	12	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334100	Meters	120.48	
ADDITION	10	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334100	Meters	5.84	
ADDITION	12	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334200	Meter Installations	2.80	
ADDITION	10	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334100	Meters	3.89	
ADDITION	10	R26-0211.14-P-0005	purchase and install 8" meter - Als	8/1/2014	2602	I	334200	Meter Installations	63.30	
ADDITION	10	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334200	Meter Installations	29.33	
ADDITION	10	R26-0211.14-P-0005	purchase and install 8" meter - Als	8/1/2014	2602	I	334200	Meter Installations	10.94	
ADDITION	11	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334100	Meters	1.76	
ADDITION	11	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334200	Meter Installations	5.29	
ADDITION	11	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334100	Meters	119.20	
ADDITION	11	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334100	Meters	2.64	
ADDITION	11	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334200	Meter Installations	309.63	
ADDITION	11	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334200	Meter Installations	3.53	
ADDITION	11	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334200	Meter Installations	5.29	
ADDITION	11	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334100	Meters	2.66	
ADDITION	11	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334100	Meters	56.58	
ADDITION	11	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334200	Meter Installations	170.04	
ADDITION	11	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334200	Meter Installations	170.04	
ADDITION	11	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334100	Meters	3,828.91	
ADDITION	11	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334100	Meters	84.86	
ADDITION	11	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334200	Meter Installations	9,945.61	
ADDITION	11	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334200	Meter Installations	113.36	
ADDITION	11	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334100	Meters	84.88	
ADDITION	12	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334100	Meters	3.05	
ADDITION	12	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334200	Meter Installations	6.12	
ADDITION	12	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334100	Meters	0.70	
ADDITION	12	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334100	Meters	2.80	
ADDITION	12	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334200	Meter Installations	1.40	
ADDITION	12	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334200	Meter Installations	4.08	
ADDITION	12	R26-0211.14-P-0001	Meters-New	1/0/1900	2602	I	334100	Meters	3.05	
ADDITION	11	R26-0511.14-P-0001	Meters - New	1/0/1900	2605	I	334200	Meter Installations	396.01	
ADDITION	11	R26-0211.14-P-0005	purchase and install 8" meter - Als	8/1/2014	2602	I	334200	Meter Installations	20,435.29	
ADDITION	11	R26-0211.14-P-0005	purchase and install 8" meter - Als	8/1/2014	2602	I	334200	Meter Installations	(20,449.98)	
ADDITION	1	R26-02J1.07-P-0011	5/8 Renewed Settings AS	1/0/1900	2602	J	334100	Meters	37.05	QIIP
ADDITION	1	R26-02J1.07-P-0011	5/8 Renewed Settings AS	1/0/1900	2602	J	334200	Meter Installations	37.05	QIIP
ADDITION	1	R26-02J1.07-P-0011	5/8 Renewed Settings AS	1/0/1900	2602	J	334200	Meter Installations	458.70	QIIP
ADDITION	1	R26-02J1.07-P-0011	5/8 Renewed Settings AS	1/0/1900	2602	J	334200	Meter Installations	37.05	QIIP
ADDITION	1	R26-02J1.07-P-0011	5/8 Renewed Settings AS	1/0/1900	2602	J	334100	Meters	458.70	QIIP
ADDITION	1	R26-02J1.07-P-0011	5/8 Renewed Settings AS	1/0/1900	2602	J	334200	Meter Installations	458.70	QIIP
ADDITION	1	R26-02J1.07-P-0011	5/8 Renewed Settings AS	1/0/1900	2602	J	334200	Meter Installations	458.69	QIIP
ADDITION	1	R26-02J1.07-P-0011	5/8 Renewed Settings AS	1/0/1900	2602	J	334200	Meter Installations	37.05	QIIP
ADDITION	1	R26-02J1.07-P-0011	5/8 Renewed Settings AS	1/0/1900	2602	J	334200	Meter Installations	37.05	QIIP
ADDITION	1	R26-02J1.07-P-0011	5/8 Renewed Settings AS	1/0/1900	2602	J	334100	Meters	458.70	QIIP
ADDITION	1	R26-02J1.07-P-0011	5/8 Renewed Settings AS	1/0/1900	2602	J	334100	Meters	458.71	QIIP
ADDITION	1	R26-02J1.07-P-0011	5/8 Renewed Settings AS	1/0/1900	2602	J	334100	Meters	37.02	QIIP
ADDITION	1	R26-02J1.07-P-0011	5/8 Renewed Settings AS	1/0/1900	2602	J	334100	Meters	458.70	QIIP
ADDITION	1	R26-02J1.07-P-0011	5/8 Renewed Settings AS	1/0/1900	2602	J	334100	Meters	37.05	QIIP
ADDITION	1	R26-02J1.07-P-0011	5/8 Renewed Settings AS	1/0/1900	2602	J	334200	Meter Installations	458.70	QIIP

Type	Period	WBS	Description	In-Service Date	Profit center	Project #	Utility account	UA Naruc	Amount	Eligibility
ADDITION	1	R26-02J1.07-P-0011	5/8 Renewed Settings AS	1/0/1900	2602	J	334100	Meters	37.05	QIIP
ADDITION	1	R26-02J1.07-P-0011	5/8 Renewed Settings AS	1/0/1900	2602	J	334200	Meter Installations	37.05	QIIP
ADDITION	1	R26-02J1.07-P-0011	5/8 Renewed Settings AS	1/0/1900	2602	J	334100	Meters	458.70	QIIP
ADDITION	1	R26-02J1.07-P-0011	5/8 Renewed Settings AS	1/0/1900	2602	J	334200	Meter Installations	458.70	QIIP
ADDITION	1	R26-02J1.07-P-0011	5/8 Renewed Settings AS	1/0/1900	2602	J	334100	Meters	37.05	QIIP
ADDITION	2	R26-02J1.07-P-0011	5/8 Renewed Settings AS	1/0/1900	2602	J	334100	Meters	142.22	QIIP
ADDITION	2	R26-02J1.07-P-0011	5/8 Renewed Settings AS	1/0/1900	2602	J	334200	Meter Installations	142.22	QIIP
ADDITION	2	R26-02J1.07-P-0011	5/8 Renewed Settings AS	1/0/1900	2602	J	334100	Meters	142.22	QIIP
ADDITION	2	R26-02J1.07-P-0011	5/8 Renewed Settings AS	1/0/1900	2602	J	334200	Meter Installations	(113.10)	QIIP
ADDITION	2	R26-02J1.07-P-0011	5/8 Renewed Settings AS	1/0/1900	2602	J	334200	Meter Installations	142.22	QIIP
ADDITION	2	R26-02J1.07-P-0011	5/8 Renewed Settings AS	1/0/1900	2602	J	334100	Meters	142.22	QIIP
ADDITION	2	R26-02J1.07-P-0011	5/8 Renewed Settings AS	1/0/1900	2602	J	334200	Meter Installations	(113.10)	QIIP
ADDITION	2	R26-02J1.07-P-0011	5/8 Renewed Settings AS	1/0/1900	2602	J	334100	Meters	(113.10)	QIIP
ADDITION	2	R26-02J1.07-P-0011	5/8 Renewed Settings AS	1/0/1900	2602	J	334200	Meter Installations	(113.10)	QIIP
ADDITION	2	R26-02J1.07-P-0011	5/8 Renewed Settings AS	1/0/1900	2602	J	334100	Meters	(113.10)	QIIP
ADDITION	2	R26-02J1.07-P-0011	5/8 Renewed Settings AS	1/0/1900	2602	J	334200	Meter Installations	142.22	QIIP
ADDITION	2	R26-02J1.07-P-0011	5/8 Renewed Settings AS	1/0/1900	2602	J	334100	Meters	(113.10)	QIIP
ADDITION	2	R26-02J1.07-P-0011	5/8 Renewed Settings AS	1/0/1900	2602	J	334200	Meter Installations	(113.10)	QIIP
ADDITION	2	R26-02J1.07-P-0011	5/8 Renewed Settings AS	1/0/1900	2602	J	334100	Meters	142.22	QIIP
ADDITION	2	R26-02J1.07-P-0011	5/8 Renewed Settings AS	1/0/1900	2602	J	334200	Meter Installations	142.22	QIIP
ADDITION	2	R26-02J1.07-P-0011	5/8 Renewed Settings AS	1/0/1900	2602	J	334100	Meters	(113.09)	QIIP
ADDITION	2	R26-02J1.07-P-0011	5/8 Renewed Settings AS	1/0/1900	2602	J	334200	Meter Installations	(113.10)	QIIP
ADDITION	2	R26-02J1.07-P-0011	5/8 Renewed Settings AS	1/0/1900	2602	J	334100	Meters	(113.10)	QIIP
ADDITION	2	R26-02J1.07-P-0011	5/8 Renewed Settings AS	1/0/1900	2602	J	334100	Meters	142.30	QIIP
ADDITION	3	R26-02J1.07-P-0011	5/8 Renewed Settings AS	1/0/1900	2602	J	334200	Meter Installations	(32.38)	QIIP
ADDITION	3	R26-02J1.07-P-0011	5/8 Renewed Settings AS	1/0/1900	2602	J	334100	Meters	(32.34)	QIIP
ADDITION	3	R26-02J1.07-P-0011	5/8 Renewed Settings AS	1/0/1900	2602	J	334100	Meters	(2.97)	QIIP
ADDITION	3	R26-02J1.07-P-0011	5/8 Renewed Settings AS	1/0/1900	2602	J	334200	Meter Installations	(2.98)	QIIP
ADDITION	3	R26-02J1.07-P-0011	5/8 Renewed Settings AS	1/0/1900	2602	J	334200	Meter Installations	(2.98)	QIIP
ADDITION	3	R26-02J1.07-P-0011	5/8 Renewed Settings AS	1/0/1900	2602	J	334100	Meters	(2.98)	QIIP
ADDITION	3	R26-02J1.07-P-0011	5/8 Renewed Settings AS	1/0/1900	2602	J	334100	Meters	(32.38)	QIIP
ADDITION	3	R26-02J1.07-P-0011	5/8 Renewed Settings AS	1/0/1900	2602	J	334200	Meter Installations	(32.38)	QIIP
ADDITION	3	R26-02J1.07-P-0011	5/8 Renewed Settings AS	1/0/1900	2602	J	334100	Meters	(2.98)	QIIP
ADDITION	3	R26-02J1.07-P-0011	5/8 Renewed Settings AS	1/0/1900	2602	J	334200	Meter Installations	(2.98)	QIIP
ADDITION	3	R26-02J1.07-P-0011	5/8 Renewed Settings AS	1/0/1900	2602	J	334100	Meters	(32.38)	QIIP

Type	Period	WBS	Description	In-Service Date	Profit center	Project #	Utility account	UA Naruc	Amount	Eligibility
ADDITION	2	R26-02J1.13-P-0001	Meters-Replaced -Blanket	1/0/1900	2602	J	334100	Meters	1,562.67	QIIP
ADDITION	2	R26-02J1.13-P-0001	Meters-Replaced -Blanket	1/0/1900	2602	J	334100	Meters	5,756.17	QIIP
ADDITION	2	R26-02J1.13-P-0001	Meters-Replaced -Blanket	1/0/1900	2602	J	334100	Meters	(199.24)	QIIP
ADDITION	2	R26-02J1.13-P-0001	Meters-Replaced -Blanket	1/0/1900	2602	J	334200	Meter Installations	(199.24)	QIIP
ADDITION	3	R26-02J1.13-P-0001	Meters-Replaced -Blanket	1/0/1900	2602	J	334200	Meter Installations	525.86	QIIP
ADDITION	3	R26-02J1.13-P-0001	Meters-Replaced -Blanket	1/0/1900	2602	J	334100	Meters	525.85	QIIP
ADDITION	3	R26-02J1.13-P-0001	Meters-Replaced -Blanket	1/0/1900	2602	J	334100	Meters	11,814.58	QIIP
ADDITION	3	R26-02J1.13-P-0001	Meters-Replaced -Blanket	1/0/1900	2602	J	334100	Meters	(191.48)	QIIP
ADDITION	3	R26-02J1.13-P-0001	Meters-Replaced -Blanket	1/0/1900	2602	J	334200	Meter Installations	(191.49)	QIIP
ADDITION	3	R26-02J1.13-P-0001	Meters-Replaced -Blanket	1/0/1900	2602	J	334200	Meter Installations	-	QIIP
ADDITION	1	R26-02J1.14-P-0001	Meters-Replaced	1/0/1900	2602	J	334200	Meter Installations	208.73	QIIP
ADDITION	1	R26-02J1.14-P-0001	Meters-Replaced	1/0/1900	2602	J	334200	Meter Installations	19.20	QIIP
ADDITION	1	R26-02J1.14-P-0001	Meters-Replaced	1/0/1900	2602	J	334200	Meter Installations	3,468.58	QIIP
ADDITION	2	R26-02J1.14-P-0001	Meters-Replaced	1/0/1900	2602	J	334200	Meter Installations	261.63	QIIP
ADDITION	2	R26-02J1.14-P-0001	Meters-Replaced	1/0/1900	2602	J	334200	Meter Installations	(624.81)	QIIP
ADDITION	2	R26-02J1.14-P-0001	Meters-Replaced	1/0/1900	2602	J	334200	Meter Installations	4,436.38	QIIP
ADDITION	3	R26-02J1.14-P-0001	Meters-Replaced	1/0/1900	2602	J	334200	Meter Installations	1,052.10	QIIP
ADDITION	3	R26-02J1.14-P-0001	Meters-Replaced	1/0/1900	2602	J	334200	Meter Installations	6,025.73	QIIP
ADDITION	3	R26-02J1.14-P-0001	Meters-Replaced	1/0/1900	2602	J	334200	Meter Installations	1,158.64	QIIP
ADDITION	3	R26-02J1.14-P-0001	Meters-Replaced	1/0/1900	2602	J	334200	Meter Installations	1,687.31	QIIP
ADDITION	3	R26-02J1.14-P-0001	Meters-Replaced	1/0/1900	2602	J	334200	Meter Installations	818.63	QIIP
ADDITION	3	R26-02J1.14-P-0001	Meters-Replaced	1/0/1900	2602	J	334200	Meter Installations	179.39	QIIP
ADDITION	4	R26-02J1.14-P-0001	Meters-Replaced	1/0/1900	2602	J	334200	Meter Installations	2,248.04	QIIP
ADDITION	4	R26-02J1.13-P-0001	Meters-Replaced -Blanket	1/0/1900	2602	J	334100	Meters	478.03	QIIP
ADDITION	4	R26-02J1.14-P-0001	Meters-Replaced	1/0/1900	2602	J	334200	Meter Installations	1,143.19	QIIP
ADDITION	6	R26-02J1.14-P-0001	Meters-Replaced	1/0/1900	2602	J	334200	Meter Installations	17,876.16	QIIP
ADDITION	6	R26-02J1.13-P-0001	Meters-Replaced -Blanket	1/0/1900	2602	J	334100	Meters	2,887.73	QIIP
ADDITION	4	R26-02J1.13-P-0001	Meters-Replaced -Blanket	1/0/1900	2602	J	334200	Meter Installations	478.03	QIIP
ADDITION	4	R26-02J1.13-P-0001	Meters-Replaced -Blanket	1/0/1900	2602	J	334200	Meter Installations	(1,519.44)	QIIP
ADDITION	4	R26-02J1.13-P-0001	Meters-Replaced -Blanket	1/0/1900	2602	J	334100	Meters	(1,519.41)	QIIP
ADDITION	5	R26-02J1.13-P-0001	Meters-Replaced -Blanket	1/0/1900	2602	J	334100	Meters	3,003.61	QIIP
ADDITION	4	R26-02J1.13-P-0001	Meters-Replaced -Blanket	1/0/1900	2602	J	334100	Meters	230.22	QIIP
ADDITION	6	R26-02J1.14-P-0001	Meters-Replaced	1/0/1900	2602	J	334200	Meter Installations	1,863.36	QIIP
ADDITION	6	R26-02J1.13-P-0001	Meters-Replaced -Blanket	1/0/1900	2602	J	334100	Meters	325.66	QIIP
ADDITION	6	R26-02J1.14-P-0001	Meters-Replaced	1/0/1900	2602	J	334200	Meter Installations	939.48	QIIP
ADDITION	5	R26-02J1.13-P-0001	Meters-Replaced -Blanket	1/0/1900	2602	J	334200	Meter Installations	3,003.65	QIIP
ADDITION	5	R26-02J1.14-P-0001	Meters-Replaced	1/0/1900	2602	J	334200	Meter Installations	4,196.18	QIIP
ADDITION	4	R26-02J1.14-P-0001	Meters-Replaced	1/0/1900	2602	J	334200	Meter Installations	1,819.46	QIIP
ADDITION	6	R26-02J1.14-P-0001	Meters-Replaced	1/0/1900	2602	J	334200	Meter Installations	1,190.39	QIIP
ADDITION	4	R26-02J1.13-P-0001	Meters-Replaced -Blanket	1/0/1900	2602	J	334200	Meter Installations	230.23	QIIP
ADDITION	6	R26-02J1.14-P-0001	Meters-Replaced	1/0/1900	2602	J	334200	Meter Installations	302.13	QIIP
ADDITION	6	R26-02J1.13-P-0001	Meters-Replaced -Blanket	1/0/1900	2602	J	334200	Meter Installations	652.02	QIIP
ADDITION	6	R26-02J1.13-P-0001	Meters-Replaced -Blanket	1/0/1900	2602	J	334200	Meter Installations	325.66	QIIP
ADDITION	5	R26-02J1.14-P-0001	Meters-Replaced	1/0/1900	2602	J	334200	Meter Installations	4,611.69	QIIP
ADDITION	5	R26-02J1.13-P-0001	Meters-Replaced -Blanket	1/0/1900	2602	J	334100	Meters	821.51	QIIP
ADDITION	5	R26-02J1.13-P-0001	Meters-Replaced -Blanket	1/0/1900	2602	J	334200	Meter Installations	821.53	QIIP
ADDITION	4	R26-02J1.14-P-0001	Meters-Replaced	1/0/1900	2602	J	334200	Meter Installations	(1,326.51)	QIIP
ADDITION	6	R26-02J1.13-P-0001	Meters-Replaced -Blanket	1/0/1900	2602	J	334200	Meter Installations	2,887.79	QIIP
ADDITION	4	R26-02J1.14-P-0001	Meters-Replaced	1/0/1900	2602	J	334200	Meter Installations	2,684.86	QIIP
ADDITION	5	R26-02J1.14-P-0001	Meters-Replaced	1/0/1900	2602	J	334200	Meter Installations	872.76	QIIP
ADDITION	5	R26-02J1.13-P-0001	Meters-Replaced -Blanket	1/0/1900	2602	J	334100	Meters	299.85	QIIP
ADDITION	5	R26-02J1.13-P-0001	Meters-Replaced -Blanket	1/0/1900	2602	J	334200	Meter Installations	299.85	QIIP

Type	Period	WBS	Description	In-Service Date	Profit center	Project #	Utility account	UA Naruc	Amount	Eligibility
ADDITION	5	R26-02J1.14-P-0001	Meters-Replaced	1/0/1900	2602	J	334200	Meter Installations	(2,248.04)	QIIP
ADDITION	5	R26-02J1.14-P-0001	Meters-Replaced	1/0/1900	2602	J	334200	Meter Installations	1,009.55	QIIP
ADDITION	5	R26-02J1.13-P-0001	Meters-Replaced -Blanket	1/0/1900	2602	J	334100	Meters	184.21	QIIP
ADDITION	5	R26-02J1.13-P-0001	Meters-Replaced -Blanket	1/0/1900	2602	J	334200	Meter Installations	184.23	QIIP
ADDITION	5	R26-02J1.14-P-0001	Meters-Replaced	1/0/1900	2602	J	334200	Meter Installations	1,374.57	QIIP
ADDITION	5	R26-02J1.14-P-0001	Meters-Replaced	1/0/1900	2602	J	334200	Meter Installations	1,136.15	QIIP
ADDITION	5	R26-02J1.14-P-0001	Meters-Replaced	1/0/1900	2602	J	334200	Meter Installations	(1,705.46)	QIIP
ADDITION	5	R26-02J1.13-P-0001	Meters-Replaced -Blanket	1/0/1900	2602	J	334100	Meters	(750.14)	QIIP
ADDITION	5	R26-02J1.13-P-0001	Meters-Replaced -Blanket	1/0/1900	2602	J	334200	Meter Installations	(750.16)	QIIP
ADDITION	6	R26-02J1.13-P-0001	Meters-Replaced -Blanket	1/0/1900	2602	J	334100	Meters	652.01	QIIP
ADDITION	4	R26-02J1.14-P-0001	Meters-Replaced	1/0/1900	2602	J	334200	Meter Installations	7,560.90	QIIP
ADDITION	4	R26-02J1.13-P-0001	Meters-Replaced -Blanket	1/0/1900	2602	J	334100	Meters	3,543.78	QIIP
ADDITION	4	R26-02J1.13-P-0001	Meters-Replaced -Blanket	1/0/1900	2602	J	334200	Meter Installations	3,543.85	QIIP
ADDITION	7	R26-02J1.13-P-0001	Meters-Replaced -Blanket	1/0/1900	2602	J	334100	Meters	4,103.01	QIIP
ADDITION	7	R26-02J1.13-P-0001	Meters-Replaced -Blanket	1/0/1900	2602	J	334200	Meter Installations	4,103.08	QIIP
ADDITION	9	R26-02J1.14-P-0001	Meters-Replaced	1/0/1900	2602	J	334200	Meter Installations	74,694.15	QIIP
ADDITION	7	R26-02J1.14-P-0001	Meters-Replaced	1/0/1900	2602	J	334200	Meter Installations	20,629.07	QIIP
ADDITION	9	R26-02J1.14-P-0001	Meters-Replaced	1/0/1900	2602	J	334200	Meter Installations	5,131.85	QIIP
ADDITION	9	R26-02J1.14-P-0001	Meters-Replaced	1/0/1900	2602	J	334200	Meter Installations	2,332.14	QIIP
ADDITION	9	R26-02J1.14-P-0001	Meters-Replaced	1/0/1900	2602	J	334200	Meter Installations	62,607.43	QIIP
ADDITION	9	R26-02J1.14-P-0001	Meters-Replaced	1/0/1900	2602	J	334200	Meter Installations	6.64	QIIP
ADDITION	9	R26-02J1.14-P-0001	Meters-Replaced	1/0/1900	2602	J	334200	Meter Installations	(9,399.09)	QIIP
ADDITION	9	R26-02J1.14-P-0001	Meters-Replaced	1/0/1900	2602	J	334200	Meter Installations	8.96	QIIP
ADDITION	8	R26-02J1.14-P-0001	Meters-Replaced	1/0/1900	2602	J	334200	Meter Installations	45,786.89	QIIP
ADDITION	8	R26-02J1.14-P-0001	Meters-Replaced	1/0/1900	2602	J	334200	Meter Installations	2,025.93	QIIP
ADDITION	8	R26-02J1.13-P-0001	Meters-Replaced -Blanket	1/0/1900	2602	J	334200	Meter Installations	(775.56)	QIIP
ADDITION	8	R26-02J1.14-P-0001	Meters-Replaced	1/0/1900	2602	J	334200	Meter Installations	9,361.65	QIIP
ADDITION	8	R26-02J1.13-P-0001	Meters-Replaced -Blanket	1/0/1900	2602	J	334100	Meters	(71.35)	QIIP
ADDITION	8	R26-02J1.13-P-0001	Meters-Replaced -Blanket	1/0/1900	2602	J	334200	Meter Installations	(71.35)	QIIP
ADDITION	8	R26-02J1.14-P-0001	Meters-Replaced	1/0/1900	2602	J	334200	Meter Installations	3,430.78	QIIP
ADDITION	7	R26-02J1.14-P-0001	Meters-Replaced	1/0/1900	2602	J	334200	Meter Installations	582.50	QIIP
ADDITION	7	R26-02J1.13-P-0001	Meters-Replaced -Blanket	1/0/1900	2602	J	334100	Meters	909.94	QIIP
ADDITION	7	R26-02J1.13-P-0001	Meters-Replaced -Blanket	1/0/1900	2602	J	334200	Meter Installations	909.96	QIIP
ADDITION	7	R26-02J1.14-P-0001	Meters-Replaced	1/0/1900	2602	J	334200	Meter Installations	1,324.18	QIIP
ADDITION	7	R26-02J1.14-P-0001	Meters-Replaced	1/0/1900	2602	J	334200	Meter Installations	6,126.56	QIIP
ADDITION	7	R26-02J1.13-P-0001	Meters-Replaced -Blanket	1/0/1900	2602	J	334100	Meters	461.19	QIIP
ADDITION	7	R26-02J1.13-P-0001	Meters-Replaced -Blanket	1/0/1900	2602	J	334200	Meter Installations	461.20	QIIP
ADDITION	7	R26-02J1.14-P-0001	Meters-Replaced	1/0/1900	2602	J	334200	Meter Installations	41,597.55	QIIP
ADDITION	8	R26-02J1.14-P-0001	Meters-Replaced	1/0/1900	2602	J	334200	Meter Installations	51,967.25	QIIP
ADDITION	8	R26-02J1.13-P-0001	Meters-Replaced -Blanket	1/0/1900	2602	J	334100	Meters	(775.54)	QIIP
ADDITION	7	R26-02J1.14-P-0001	Meters-Replaced	1/0/1900	2602	J	334200	Meter Installations	2,593.50	QIIP
ADDITION	12	R26-02J1.14-P-0001	Meters-Replaced	1/0/1900	2602	J	334200	Meter Installations	1,052.21	QIIP
ADDITION	12	R26-02J1.14-P-0001	Meters-Replaced	1/0/1900	2602	J	334200	Meter Installations	(1,697.00)	QIIP
ADDITION	12	R26-02J1.14-P-0001	Meters-Replaced	1/0/1900	2602	J	334200	Meter Installations	(6,637.72)	QIIP
ADDITION	12	R26-02J1.14-P-0001	Meters-Replaced	1/0/1900	2602	J	334200	Meter Installations	15,610.36	QIIP
ADDITION	12	R26-02J1.14-P-0001	Meters-Replaced	1/0/1900	2602	J	334200	Meter Installations	(1,997.11)	QIIP
ADDITION	11	R26-02J1.14-P-0001	Meters-Replaced	1/0/1900	2602	J	334200	Meter Installations	4,891.12	QIIP
ADDITION	10	R26-02J1.14-P-0001	Meters-Replaced	1/0/1900	2602	J	334200	Meter Installations	(2,254.98)	QIIP
ADDITION	11	R26-02J1.14-P-0001	Meters-Replaced	1/0/1900	2602	J	334200	Meter Installations	3,448.78	QIIP
ADDITION	12	R26-02J1.15-P-0001	Work Order	1/0/1900	2602	J	334200	Meter Installations	648.50	QIIP
ADDITION	12	R26-02J1.14-P-0001	Meters-Replaced	1/0/1900	2602	J	334200	Meter Installations	6,980.70	QIIP
ADDITION	10	R26-02J1.14-P-0001	Meters-Replaced	1/0/1900	2602	J	334200	Meter Installations	100,404.81	QIIP

Type	Period	WBS	Description	In-Service Date	Profit center	Project #	Utility account	UA Naruc	Amount	Eligibility
ADDITION	11	R26-02J1.14-P-0001	Meters-Replaced	1/0/1900	2602	J	334200	Meter Installations	1,331.16	QIIP
ADDITION	10	R26-02J1.14-P-0001	Meters-Replaced	1/0/1900	2602	J	334200	Meter Installations	20,935.30	QIIP
ADDITION	12	R26-02J1.14-P-0001	Meters-Replaced	1/0/1900	2602	J	334200	Meter Installations	86.07	QIIP
ADDITION	10	R26-02J1.14-P-0001	Meters-Replaced	1/0/1900	2602	J	334200	Meter Installations	1,129.95	QIIP
ADDITION	10	R26-02J1.14-P-0001	Meters-Replaced	1/0/1900	2602	J	334200	Meter Installations	9,027.45	QIIP
ADDITION	10	R26-02J1.14-P-0001	Meters-Replaced	1/0/1900	2602	J	334200	Meter Installations	17,219.37	QIIP
ADDITION	11	R26-02J1.14-P-0001	Meters-Replaced	1/0/1900	2602	J	334200	Meter Installations	7,129.68	QIIP
ADDITION	11	R26-02J1.14-P-0001	Meters-Replaced	1/0/1900	2602	J	334200	Meter Installations	35,979.26	QIIP
ADDITION	12	R26-02J1.15-P-0001	Work Order	1/0/1900	2602	J	334200	Meter Installations	(4.34)	QIIP
ADDITION	11	R26-02J1.14-P-0001	Meters-Replaced	1/0/1900	2602	J	334200	Meter Installations	3,377.70	QIIP
ADDITION	4	R26-02L1.14-P-0002	Remove and Replace Controlles in th	4/8/2014	2602	L	320100	WT Equip Non-Media	4,794.24	SEC
ADDITION	4	R26-02L1.14-P-0002	Remove and Replace Controlles in th	4/8/2014	2602	L	320100	WT Equip Non-Media	367.17	SEC
ADDITION	4	R26-02L1.14-P-0002	Remove and Replace Controlles in th	4/8/2014	2602	L	320100	WT Equip Non-Media	212,820.94	SEC
ADDITION	5	R26-02L1.14-P-0002	Remove and Replace Controlles in th	4/8/2014	2602	L	320100	WT Equip Non-Media	355.10	SEC
ADDITION	5	R26-02L1.14-P-0002	Remove and Replace Controlles in th	4/8/2014	2602	L	320100	WT Equip Non-Media	7,813.45	SEC
ADDITION	5	R26-02L1.14-P-0002	Remove and Replace Controlles in th	4/8/2014	2602	L	320100	WT Equip Non-Media	582.03	SEC
ADDITION	5	R26-02L1.14-P-0002	Remove and Replace Controlles in th	4/8/2014	2602	L	320100	WT Equip Non-Media	(1,842.18)	SEC
ADDITION	9	R26-05L1.14-P-0002	Whitwell Booster & Tank Automation	8/1/2014	2605	L	346100	Comm Equip Non-Telephone	8.32	SEC
ADDITION	9	R26-05L1.14-P-0002	Whitwell Booster & Tank Automation	8/1/2014	2605	L	346100	Comm Equip Non-Telephone	8.32	SEC
ADDITION	9	R26-05L1.14-P-0002	Whitwell Booster & Tank Automation	8/1/2014	2603	L	346100	Comm Equip Non-Telephone	16.64	SEC
ADDITION	9	R26-05L1.14-P-0002	Whitwell Booster & Tank Automation	8/1/2014	2605	L	346100	Comm Equip Non-Telephone	8.32	SEC
ADDITION	9	R26-05L1.14-P-0002	Whitwell Booster & Tank Automation	8/1/2014	2605	L	346190	Remote Control & Instrument	44.36	SEC
ADDITION	9	R26-05L1.14-P-0002	Whitwell Booster & Tank Automation	8/1/2014	2605	L	346190	Remote Control & Instrument	44.36	SEC
ADDITION	9	R26-05L1.14-P-0002	Whitwell Booster & Tank Automation	8/1/2014	2605	L	346190	Remote Control & Instrument	49.91	SEC
ADDITION	9	R26-05L1.14-P-0002	Whitwell Booster & Tank Automation	8/1/2014	2605	L	346100	Comm Equip Non-Telephone	7.46	SEC
ADDITION	9	R26-05L1.14-P-0002	Whitwell Booster & Tank Automation	8/1/2014	2605	L	346100	Comm Equip Non-Telephone	8.32	SEC
ADDITION	9	R26-05L1.14-P-0002	Whitwell Booster & Tank Automation	8/1/2014	2605	L	346190	Remote Control & Instrument	49.91	SEC
ADDITION	9	R26-05L1.14-P-0002	Whitwell Booster & Tank Automation	8/1/2014	2605	L	346190	Remote Control & Instrument	44.36	SEC
ADDITION	9	R26-05L1.14-P-0002	Whitwell Booster & Tank Automation	8/1/2014	2605	L	346100	Comm Equip Non-Telephone	0.78	SEC
ADDITION	9	R26-05L1.14-P-0002	Whitwell Booster & Tank Automation	8/1/2014	2605	L	346100	Comm Equip Non-Telephone	0.83	SEC
ADDITION	9	R26-05L1.14-P-0002	Whitwell Booster & Tank Automation	8/1/2014	2605	L	346100	Comm Equip Non-Telephone	0.83	SEC
ADDITION	9	R26-05L1.14-P-0002	Whitwell Booster & Tank Automation	8/1/2014	2605	L	346100	Comm Equip Non-Telephone	0.83	SEC
ADDITION	9	R26-05L1.14-P-0002	Whitwell Booster & Tank Automation	8/1/2014	2605	L	346190	Remote Control & Instrument	4.44	SEC
ADDITION	9	R26-05L1.14-P-0002	Whitwell Booster & Tank Automation	8/1/2014	2603	L	346100	Comm Equip Non-Telephone	1.66	SEC
ADDITION	9	R26-05L1.14-P-0002	Whitwell Booster & Tank Automation	8/1/2014	2605	L	346100	Comm Equip Non-Telephone	0.83	SEC
ADDITION	9	R26-05L1.14-P-0002	Whitwell Booster & Tank Automation	8/1/2014	2605	L	346100	Comm Equip Non-Telephone	0.83	SEC
ADDITION	9	R26-05L1.14-P-0002	Whitwell Booster & Tank Automation	8/1/2014	2605	L	346190	Remote Control & Instrument	4.44	SEC
ADDITION	9	R26-05L1.14-P-0002	Whitwell Booster & Tank Automation	8/1/2014	2605	L	346190	Remote Control & Instrument	4.99	SEC
ADDITION	9	R26-05L1.14-P-0002	Whitwell Booster & Tank Automation	8/1/2014	2605	L	346190	Remote Control & Instrument	4.99	SEC
ADDITION	9	R26-05L1.13-P-0001	Whitwell Booster & Tank Automation	8/1/2014	2605	L	346100	Comm Equip Non-Telephone	64.32	SEC
ADDITION	9	R26-05L1.13-P-0001	Whitwell Booster & Tank Automation	8/1/2014	2603	L	346100	Comm Equip Non-Telephone	25.73	SEC
ADDITION	9	R26-05L1.13-P-0001	Whitwell Booster & Tank Automation	8/1/2014	2605	L	340200	Comp & Periph Equip	40.02	SEC
ADDITION	9	R26-05L1.14-P-0002	Whitwell Booster & Tank Automation	8/1/2014	2605	L	346100	Comm Equip Non-Telephone	2,484.88	SEC
ADDITION	9	R26-05L1.14-P-0002	Whitwell Booster & Tank Automation	8/1/2014	2605	L	346100	Comm Equip Non-Telephone	2,761.03	SEC
ADDITION	9	R26-05L1.14-P-0002	Whitwell Booster & Tank Automation	8/1/2014	2605	L	346190	Remote Control & Instrument	16,566.15	SEC
ADDITION	9	R26-05L1.14-P-0002	Whitwell Booster & Tank Automation	8/1/2014	2605	L	346100	Comm Equip Non-Telephone	2,761.03	SEC
ADDITION	9	R26-05L1.14-P-0002	Whitwell Booster & Tank Automation	8/1/2014	2605	L	346100	Comm Equip Non-Telephone	2,761.03	SEC
ADDITION	9	R26-05L1.14-P-0002	Whitwell Booster & Tank Automation	8/1/2014	2605	L	346190	Remote Control & Instrument	14,725.47	SEC
ADDITION	9	R26-05L1.14-P-0002	Whitwell Booster & Tank Automation	8/1/2014	2605	L	346100	Comm Equip Non-Telephone	2,761.03	SEC
ADDITION	9	R26-05L1.14-P-0002	Whitwell Booster & Tank Automation	8/1/2014	2605	L	346190	Remote Control & Instrument	14,725.47	SEC
ADDITION	9	R26-05L1.14-P-0002	Whitwell Booster & Tank Automation	8/1/2014	2603	L	346100	Comm Equip Non-Telephone	5,522.05	SEC

Type	Period	WBS	Description	In-Service Date	Profit center	Project #	Utility account	UA Naruc	Amount	Eligibility
ADDITION	9	R26-05L1.14-P-0002	Whitwell Booster & Tank Automation	8/1/2014	2605	L	346190	Remote Control & Instrument	14,725.47	SEC
ADDITION	9	R26-05L1.13-P-0001	Whitwell Booster & Tank Automation	8/1/2014	2603	L	346100	Comm Equip Non-Telephone	11,133.05	SEC
ADDITION	8	R26-02L1.14-P-0002	Remove and Replace Controlles in th	4/8/2014	2602	L	320100	WT Equip Non-Media	43,446.19	SEC
ADDITION	9	R26-05L1.14-P-0002	Whitwell Booster & Tank Automation	8/1/2014	2605	L	346190	Remote Control & Instrument	4.99	SEC
ADDITION	9	R26-05L1.13-P-0001	Whitwell Booster & Tank Automation	8/1/2014	2605	L	346190	Remote Control & Instrument	111.50	SEC
ADDITION	9	R26-05L1.14-P-0002	Whitwell Booster & Tank Automation	8/1/2014	2605	L	346100	Comm Equip Non-Telephone	8.32	SEC
ADDITION	9	R26-05L1.14-P-0002	Whitwell Booster & Tank Automation	8/1/2014	2605	L	346190	Remote Control & Instrument	49.91	SEC
ADDITION	9	R26-05L1.14-P-0002	Whitwell Booster & Tank Automation	8/1/2014	2605	L	346190	Remote Control & Instrument	16,566.15	SEC
ADDITION	9	R26-05L1.13-P-0001	Whitwell Booster & Tank Automation	8/1/2014	2605	L	346190	Remote Control & Instrument	48,243.19	SEC
ADDITION	9	R26-05L1.14-P-0002	Whitwell Booster & Tank Automation	8/1/2014	2605	L	346100	Comm Equip Non-Telephone	2,761.03	SEC
ADDITION	9	R26-05L1.14-P-0002	Whitwell Booster & Tank Automation	8/1/2014	2605	L	346190	Remote Control & Instrument	16,566.15	SEC
ADDITION	9	R26-05L1.13-P-0001	Whitwell Booster & Tank Automation	8/1/2014	2605	L	346100	Comm Equip Non-Telephone	27,832.58	SEC
ADDITION	9	R26-05L1.13-P-0001	Whitwell Booster & Tank Automation	8/1/2014	2605	L	340200	Comp & Periph Equip	17,315.59	SEC
ADDITION	9	R26-02L1.14-P-0002	Remove and Replace Controlles in th	4/8/2014	2602	L	320100	WT Equip Non-Media	43,446.19	SEC
ADDITION	7	R26-02L1.14-P-0002	Remove and Replace Controlles in th	4/8/2014	2602	L	320100	WT Equip Non-Media	10,655.67	SEC
ADDITION	7	R26-02L1.14-P-0002	Remove and Replace Controlles in th	4/8/2014	2602	L	320100	WT Equip Non-Media	53,558.76	SEC
ADDITION	7	R26-02L1.14-P-0002	Remove and Replace Controlles in th	4/8/2014	2602	L	320100	WT Equip Non-Media	53,558.80	SEC
ADDITION	7	R26-02L1.14-P-0002	Remove and Replace Controlles in th	4/8/2014	2602	L	320100	WT Equip Non-Media	53,558.76	SEC
ADDITION	7	R26-02L1.14-P-0002	Remove and Replace Controlles in th	4/8/2014	2602	L	320100	WT Equip Non-Media	53,558.76	SEC
ADDITION	9	R26-02L1.14-P-0002	Remove and Replace Controlles in th	4/8/2014	2602	L	320100	WT Equip Non-Media	(43,446.19)	SEC
ADDITION	7	R26-02L1.14-P-0002	Remove and Replace Controlles in th	4/8/2014	2602	L	320100	WT Equip Non-Media	(224,890.75)	SEC
ADDITION	10	R26-05L1.13-P-0001	Whitwell Booster & Tank Automation	8/1/2014	2605	L	340200	Comp & Periph Equip	(116.63)	SEC
ADDITION	12	R26-05L1.14-P-0002	Whitwell Booster & Tank Automation	8/1/2014	2605	L	346100	Comm Equip Non-Telephone	1.87	SEC
ADDITION	12	R26-05L1.14-P-0002	Whitwell Booster & Tank Automation	8/1/2014	2605	L	346100	Comm Equip Non-Telephone	0.84	SEC
ADDITION	10	R26-05L1.13-P-0001	Whitwell Booster & Tank Automation	8/1/2014	2605	L	346190	Remote Control & Instrument	(59.98)	SEC
ADDITION	12	R26-05L1.14-P-0002	Whitwell Booster & Tank Automation	8/1/2014	2605	L	346100	Comm Equip Non-Telephone	1.68	SEC
ADDITION	12	R26-05L1.13-P-0001	Whitwell Booster & Tank Automation	8/1/2014	2605	L	346100	Comm Equip Non-Telephone	1.09	SEC
ADDITION	12	R26-05L1.13-P-0001	Whitwell Booster & Tank Automation	8/1/2014	2605	L	340200	Comp & Periph Equip	0.68	SEC
ADDITION	12	R26-05L1.14-P-0002	Whitwell Booster & Tank Automation	8/1/2014	2605	L	346190	Remote Control & Instrument	9.98	SEC
ADDITION	12	R26-05L1.14-P-0002	Whitwell Booster & Tank Automation	8/1/2014	2605	L	346100	Comm Equip Non-Telephone	1.87	SEC
ADDITION	12	R26-02L1.14-P-0003	UPGRADE COMMUNICATIONS EQUIPMENT FO	11/14/2014	2602	L	346190	Remote Control & Instrument	(352.21)	SEC
ADDITION	12	R26-05L1.14-P-0002	Whitwell Booster & Tank Automation	8/1/2014	2605	L	346100	Comm Equip Non-Telephone	1.87	SEC
ADDITION	12	R26-02L1.14-P-0003	UPGRADE COMMUNICATIONS EQUIPMENT FO	11/14/2014	2602	L	346190	Remote Control & Instrument	(41.21)	SEC
ADDITION	12	R26-05L1.13-P-0001	Whitwell Booster & Tank Automation	8/1/2014	2605	L	346190	Remote Control & Instrument	1.88	SEC
ADDITION	12	R26-05L1.14-P-0002	Whitwell Booster & Tank Automation	8/1/2014	2605	L	346100	Comm Equip Non-Telephone	1.87	SEC
ADDITION	12	R26-05L1.14-P-0002	Whitwell Booster & Tank Automation	8/1/2014	2605	L	346190	Remote Control & Instrument	11.22	SEC
ADDITION	12	R26-02L1.14-P-0003	UPGRADE COMMUNICATIONS EQUIPMENT FO	11/14/2014	2602	L	346190	Remote Control & Instrument	(376.64)	SEC
ADDITION	11	R26-02L1.14-P-0003	UPGRADE COMMUNICATIONS EQUIPMENT FO	11/14/2014	2602	L	346190	Remote Control & Instrument	15,212.90	SEC
ADDITION	11	R26-02L1.14-P-0003	UPGRADE COMMUNICATIONS EQUIPMENT FO	11/14/2014	2602	L	346190	Remote Control & Instrument	347.24	SEC
ADDITION	12	R26-05L1.14-P-0002	Whitwell Booster & Tank Automation	8/1/2014	2605	L	346190	Remote Control & Instrument	11.22	SEC
ADDITION	12	R26-02L1.14-P-0003	UPGRADE COMMUNICATIONS EQUIPMENT FO	11/14/2014	2602	L	346190	Remote Control & Instrument	(4,220.61)	SEC
ADDITION	12	R26-05L1.14-P-0002	Whitwell Booster & Tank Automation	8/1/2014	2605	L	346190	Remote Control & Instrument	5.00	SEC
ADDITION	12	R26-05L1.14-P-0002	Whitwell Booster & Tank Automation	8/1/2014	2605	L	346190	Remote Control & Instrument	4.44	SEC
ADDITION	12	R26-05L1.14-P-0002	Whitwell Booster & Tank Automation	8/1/2014	2605	L	346100	Comm Equip Non-Telephone	0.84	SEC
ADDITION	10	R26-05L1.14-P-0002	Whitwell Booster & Tank Automation	8/1/2014	2605	L	346190	Remote Control & Instrument	(2,341.86)	SEC
ADDITION	10	R26-05L1.13-P-0001	Whitwell Booster & Tank Automation	8/1/2014	2605	L	346100	Comm Equip Non-Telephone	(187.46)	SEC
ADDITION	10	R26-05L1.13-P-0001	Whitwell Booster & Tank Automation	8/1/2014	2605	L	346100	Comm Equip Non-Telephone	(34.60)	SEC
ADDITION	12	R26-05L1.14-P-0002	Whitwell Booster & Tank Automation	8/1/2014	2605	L	346100	Comm Equip Non-Telephone	0.84	SEC
ADDITION	10	R26-05L1.13-P-0001	Whitwell Booster & Tank Automation	8/1/2014	2605	L	346190	Remote Control & Instrument	(324.94)	SEC
ADDITION	10	R26-05L1.14-P-0003	Ketner Cove Tank PLC	9/10/2013	2605	L	346190	Remote Control & Instrument	5,495.51	SEC
ADDITION	10	R26-05L1.14-P-0002	Whitwell Booster & Tank Automation	8/1/2014	2605	L	346190	Remote Control & Instrument	(2,341.86)	SEC
ADDITION	10	R26-05L1.14-P-0002	Whitwell Booster & Tank Automation	8/1/2014	2605	L	346190	Remote Control & Instrument	(2,081.65)	SEC

Type	Period	WBS	Description	In-Service Date	Profit center	Project #	Utility account	UA Naruc	Amount	Eligibility
ADDITION	10	R26-05L1.14-P-0002	Whitwell Booster & Tank Automation	8/1/2014	2605	L	346190	Remote Control & Instrument	(2,081.65)	SEC
ADDITION	10	R26-05L1.14-P-0002	Whitwell Booster & Tank Automation	8/1/2014	2605	L	346100	Comm Equip Non-Telephone	(390.31)	SEC
ADDITION	10	R26-05L1.14-P-0002	Whitwell Booster & Tank Automation	8/1/2014	2605	L	346100	Comm Equip Non-Telephone	(390.31)	SEC
ADDITION	10	R26-05L1.14-P-0002	Whitwell Booster & Tank Automation	8/1/2014	2603	L	346100	Comm Equip Non-Telephone	(780.62)	SEC
ADDITION	10	R26-05L1.14-P-0002	Whitwell Booster & Tank Automation	8/1/2014	2605	L	346190	Remote Control & Instrument	(2,081.65)	SEC
ADDITION	10	R26-05L1.14-P-0002	Whitwell Booster & Tank Automation	8/1/2014	2605	L	346100	Comm Equip Non-Telephone	(390.31)	SEC
ADDITION	10	R26-05L1.14-P-0002	Whitwell Booster & Tank Automation	8/1/2014	2605	L	346100	Comm Equip Non-Telephone	(390.31)	SEC
ADDITION	10	R26-05L1.14-P-0002	Whitwell Booster & Tank Automation	8/1/2014	2605	L	346190	Remote Control & Instrument	(2,341.86)	SEC
ADDITION	10	R26-05L1.14-P-0002	Whitwell Booster & Tank Automation	8/1/2014	2605	L	346100	Comm Equip Non-Telephone	(390.31)	SEC
ADDITION	10	R26-05L1.14-P-0002	Whitwell Booster & Tank Automation	8/1/2014	2605	L	346100	Comm Equip Non-Telephone	(351.30)	SEC
ADDITION	12	R26-05L1.13-P-0001	Whitwell Booster & Tank Automation	8/1/2014	2603	L	346100	Comm Equip Non-Telephone	0.43	SEC
ADDITION	12	R26-05L1.14-P-0002	Whitwell Booster & Tank Automation	8/1/2014	2605	L	346190	Remote Control & Instrument	9.98	SEC
ADDITION	12	R26-05L1.14-P-0002	Whitwell Booster & Tank Automation	8/1/2014	2603	L	346100	Comm Equip Non-Telephone	3.74	SEC
ADDITION	10	R26-05L1.14-P-0002	Whitwell Booster & Tank Automation	8/1/2014	2605	L	346190	Remote Control & Instrument	49.91	SEC
ADDITION	10	R26-05L1.14-P-0002	Whitwell Booster & Tank Automation	8/1/2014	2605	L	346190	Remote Control & Instrument	44.36	SEC
ADDITION	10	R26-05L1.14-P-0002	Whitwell Booster & Tank Automation	8/1/2014	2605	L	346190	Remote Control & Instrument	44.36	SEC
ADDITION	10	R26-05L1.14-P-0002	Whitwell Booster & Tank Automation	8/1/2014	2605	L	346190	Remote Control & Instrument	44.36	SEC
ADDITION	10	R26-05L1.14-P-0002	Whitwell Booster & Tank Automation	8/1/2014	2605	L	346100	Comm Equip Non-Telephone	8.32	SEC
ADDITION	10	R26-05L1.14-P-0002	Whitwell Booster & Tank Automation	8/1/2014	2605	L	346100	Comm Equip Non-Telephone	8.32	SEC
ADDITION	10	R26-05L1.14-P-0002	Whitwell Booster & Tank Automation	8/1/2014	2605	L	346100	Comm Equip Non-Telephone	8.32	SEC
ADDITION	10	R26-05L1.14-P-0002	Whitwell Booster & Tank Automation	8/1/2014	2603	L	346100	Comm Equip Non-Telephone	16.64	SEC
ADDITION	10	R26-05L1.14-P-0002	Whitwell Booster & Tank Automation	8/1/2014	2605	L	346100	Comm Equip Non-Telephone	8.32	SEC
ADDITION	10	R26-05L1.14-P-0002	Whitwell Booster & Tank Automation	8/1/2014	2605	L	346190	Remote Control & Instrument	49.91	SEC
ADDITION	10	R26-05L1.14-P-0002	Whitwell Booster & Tank Automation	8/1/2014	2605	L	346100	Comm Equip Non-Telephone	8.32	SEC
ADDITION	10	R26-05L1.14-P-0002	Whitwell Booster & Tank Automation	8/1/2014	2605	L	346100	Comm Equip Non-Telephone	7.46	SEC
ADDITION	12	R26-05L1.14-P-0002	Whitwell Booster & Tank Automation	8/1/2014	2605	L	346100	Comm Equip Non-Telephone	1.87	SEC
ADDITION	12	R26-05L1.14-P-0002	Whitwell Booster & Tank Automation	8/1/2014	2605	L	346190	Remote Control & Instrument	11.22	SEC
ADDITION	12	R26-05L1.14-P-0002	Whitwell Booster & Tank Automation	8/1/2014	2605	L	346190	Remote Control & Instrument	9.98	SEC
ADDITION	12	R26-05L1.14-P-0002	Whitwell Booster & Tank Automation	8/1/2014	2603	L	346100	Comm Equip Non-Telephone	1.66	SEC
ADDITION	12	R26-05L1.14-P-0002	Whitwell Booster & Tank Automation	8/1/2014	2605	L	346190	Remote Control & Instrument	4.44	SEC
ADDITION	12	R26-05L1.14-P-0002	Whitwell Booster & Tank Automation	8/1/2014	2605	L	346190	Remote Control & Instrument	5.00	SEC
ADDITION	12	R26-05L1.14-P-0002	Whitwell Booster & Tank Automation	8/1/2014	2605	L	346100	Comm Equip Non-Telephone	0.73	SEC
ADDITION	12	R26-05L1.14-P-0002	Whitwell Booster & Tank Automation	8/1/2014	2605	L	346100	Comm Equip Non-Telephone	0.84	SEC
ADDITION	12	R26-05L1.14-P-0002	Whitwell Booster & Tank Automation	8/1/2014	2605	L	346100	Comm Equip Non-Telephone	0.84	SEC
ADDITION	12	R26-05L1.14-P-0002	Whitwell Booster & Tank Automation	8/1/2014	2605	L	346190	Remote Control & Instrument	4.44	SEC
ADDITION	12	R26-05L1.14-P-0002	Whitwell Booster & Tank Automation	8/1/2014	2605	L	346190	Remote Control & Instrument	5.00	SEC
ADDITION	10	R26-05L1.13-P-0001	Whitwell Booster & Tank Automation	8/1/2014	2603	L	346100	Comm Equip Non-Telephone	(13.84)	SEC
ADDITION	10	R26-05L1.13-P-0001	Whitwell Booster & Tank Automation	8/1/2014	2603	L	346100	Comm Equip Non-Telephone	(74.98)	SEC
ADDITION	10	R26-05L1.13-P-0001	Whitwell Booster & Tank Automation	8/1/2014	2605	L	340200	Comp & Periph Equip	(21.53)	SEC
ADDITION	10	R26-05L1.13-P-0001	Whitwell Booster & Tank Automation	8/1/2014	2605	L	346190	Remote Control & Instrument	(35.41)	SEC
ADDITION	10	R26-05L1.13-P-0001	Whitwell Booster & Tank Automation	8/1/2014	2605	L	340200	Comp & Periph Equip	(12.71)	SEC
ADDITION	10	R26-05L1.13-P-0001	Whitwell Booster & Tank Automation	8/1/2014	2603	L	346100	Comm Equip Non-Telephone	(8.17)	SEC
ADDITION	10	R26-05L1.13-P-0001	Whitwell Booster & Tank Automation	8/1/2014	2605	L	346100	Comm Equip Non-Telephone	(20.43)	SEC
ADDITION	10	R26-05L1.14-P-0002	Whitwell Booster & Tank Automation	8/1/2014	2605	L	346190	Remote Control & Instrument	(210.86)	SEC
ADDITION	10	R26-05L1.14-P-0002	Whitwell Booster & Tank Automation	8/1/2014	2605	L	346190	Remote Control & Instrument	(210.86)	SEC
ADDITION	10	R26-05L1.14-P-0002	Whitwell Booster & Tank Automation	8/1/2014	2605	L	346190	Remote Control & Instrument	(187.43)	SEC
ADDITION	10	R26-05L1.14-P-0002	Whitwell Booster & Tank Automation	8/1/2014	2605	L	346190	Remote Control & Instrument	(187.43)	SEC
ADDITION	10	R26-05L1.14-P-0002	Whitwell Booster & Tank Automation	8/1/2014	2605	L	346100	Comm Equip Non-Telephone	(35.14)	SEC
ADDITION	10	R26-05L1.14-P-0002	Whitwell Booster & Tank Automation	8/1/2014	2605	L	346100	Comm Equip Non-Telephone	(35.14)	SEC
ADDITION	10	R26-05L1.14-P-0002	Whitwell Booster & Tank Automation	8/1/2014	2603	L	346100	Comm Equip Non-Telephone	(70.29)	SEC
ADDITION	10	R26-05L1.14-P-0002	Whitwell Booster & Tank Automation	8/1/2014	2605	L	346190	Remote Control & Instrument	(187.43)	SEC
ADDITION	10	R26-05L1.14-P-0002	Whitwell Booster & Tank Automation	8/1/2014	2605	L	346100	Comm Equip Non-Telephone	(35.14)	SEC

Type	Period	WBS	Description	In-Service Date	Profit center	Project #	Utility account	UA Naruc	Amount	Eligibility
ADDITION	10	R26-05L1.14-P-0002	Whitwell Booster & Tank Automation	8/1/2014	2605	L	346100	Comm Equip Non-Telephone	(35.14)	SEC
ADDITION	10	R26-05L1.14-P-0002	Whitwell Booster & Tank Automation	8/1/2014	2605	L	346190	Remote Control & Instrument	(210.86)	SEC
ADDITION	10	R26-05L1.14-P-0002	Whitwell Booster & Tank Automation	8/1/2014	2605	L	346100	Comm Equip Non-Telephone	(35.14)	SEC
ADDITION	10	R26-05L1.14-P-0002	Whitwell Booster & Tank Automation	8/1/2014	2605	L	346100	Comm Equip Non-Telephone	(31.65)	SEC
ADDITION	11	R26-02L1.14-P-0003	UPGRADE COMMUNICATIONS EQUIPMENT FO	11/14/2014	2602	L	346190	Remote Control & Instrument	768.90	SEC
ADDITION	10	R26-05L1.14-P-0002	Whitwell Booster & Tank Automation	8/1/2014	2605	L	346190	Remote Control & Instrument	49.91	SEC
ADDITION	10	R26-02L1.14-P-0002	Remove and Replace Controlles in th	4/8/2014	2602	L	320100	WT Equip Non-Media	-	SEC
ADDITION	10	R26-02L1.14-P-0002	Remove and Replace Controlles in th	4/8/2014	2602	L	320100	WT Equip Non-Media	-	SEC
ADDITION	10	R26-02L1.14-P-0002	Remove and Replace Controlles in th	4/8/2014	2602	L	320100	WT Equip Non-Media	-	SEC
ADDITION	10	R26-02L1.14-P-0002	Remove and Replace Controlles in th	4/8/2014	2602	L	320100	WT Equip Non-Media	-	SEC
ADDITION	10	R26-02L1.14-P-0002	Remove and Replace Controlles in th	4/8/2014	2602	L	320100	WT Equip Non-Media	-	SEC
ADDITION	12	R26-02M1.14-P-4001	Whiel Street doors	12/22/2014	2602	M	304500	Struct & Imp-General	4,283.15	SEC
ADDITION	12	R26-02M1.14-P-4003	Wheil Street gate	12/22/2014	2602	M	304500	Struct & Imp-General	1,899.67	SEC
ADDITION	12	R26-02M1.14-P-4001	Whiel Street doors	12/22/2014	2602	M	304500	Struct & Imp-General	12.91	SEC
ADDITION	12	R26-02M1.14-P-4003	Wheil Street gate	12/22/2014	2602	M	304500	Struct & Imp-General	5.72	SEC
ADDITION	12	R26-02M1.14-P-4003	Wheil Street gate	12/22/2014	2602	M	304500	Struct & Imp-General	(8.44)	SEC
ADDITION	2	R26-05Q1.14-P-0002	REP Whitwell #2 Raw Water Pump	2/3/2014	2605	Q	311520	Pumping Equipment-Source of Supply and Pumping Plant	2,682.29	SEC
ADDITION	3	R26-05Q1.14-P-0002	REP Whitwell #2 Raw Water Pump	2/3/2014	2605	Q	311520	Pumping Equipment-Source of Supply and Pumping Plant	(251.18)	SEC
ADDITION	3	R26-05Q1.14-P-0002	REP Whitwell #2 Raw Water Pump	2/3/2014	2605	Q	311520	Pumping Equipment-Source of Supply and Pumping Plant	3,210.84	SEC
ADDITION	3	R26-05Q1.14-P-0002	REP Whitwell #2 Raw Water Pump	2/3/2014	2605	Q	311520	Pumping Equipment-Source of Supply and Pumping Plant	272.29	SEC
ADDITION	3	R26-02Q1.14-P-0002	Replace N.End F/H #2 Surface Wash L	3/27/2014	2602	Q	320100	WT Equip Non-Media	(125.66)	SEC
ADDITION	3	R26-02Q1.14-P-0002	Replace N.End F/H #2 Surface Wash L	3/27/2014	2602	Q	320100	WT Equip Non-Media	7,550.20	SEC
ADDITION	3	R26-02Q1.14-P-0002	Replace N.End F/H #2 Surface Wash L	3/27/2014	2602	Q	320100	WT Equip Non-Media	24.74	SEC
ADDITION	4	R26-02Q1.14-P-0012	Purchase Air Release Valves for #2	4/17/2014	2602	Q	320100	WT Equip Non-Media	201.47	SEC
ADDITION	4	R26-02Q1.14-P-0012	Purchase Air Release Valves for #2	4/17/2014	2602	Q	320100	WT Equip Non-Media	484.94	SEC
ADDITION	4	R26-02Q1.13-P-0027	Repl UPS Battery Back Ups @ Citico	4/17/2014	2602	Q	310000	Power Generation Equip	243.03	SEC
ADDITION	4	R26-02Q1.14-P-0011	Replace Lab Fluoride Meter	4/7/2014	2602	Q	320100	WT Equip Non-Media	185.99	SEC
ADDITION	4	R26-02Q1.14-P-0003	Rehabilitation of Hill City #7 Pump	4/9/2014	2602	Q	311520	Pumping Equipment-Source of Supply and Pumping Plant	67,057.48	SEC
ADDITION	4	R26-03Q1.14-P-0003	Rep SCUD Chemical Feed Pumps	4/17/2014	2603	Q	320100	WT Equip Non-Media	36.04	SEC
ADDITION	6	R26-02Q1.14-P-0015	Replace #12 Low Service Coupling	6/25/2014	2602	Q	311520	Pumping Equipment-Source of Supply and Pumping Plant	21,876.15	SEC
ADDITION	4	R26-02Q1.14-P-0010	Replace Lab PH Meter	4/3/2014	2602	Q	320100	WT Equip Non-Media	989.47	SEC
ADDITION	4	R26-02Q1.14-P-0011	Replace Lab Fluoride Meter	4/7/2014	2602	Q	320100	WT Equip Non-Media	2,021.61	SEC
ADDITION	6	R26-02Q1.14-P-0015	Replace #12 Low Service Coupling	6/25/2014	2602	Q	311520	Pumping Equipment-Source of Supply and Pumping Plant	567.38	SEC
ADDITION	6	R26-02Q1.14-P-0013	Replace Carbon Slurry Line (Phase 2	6/16/2014	2602	Q	304100	Struct & Imp-Supply	(37.61)	SEC
ADDITION	4	R26-02Q1.14-P-0003	Rehabilitation of Hill City #7 Pump	4/9/2014	2602	Q	311520	Pumping Equipment-Source of Supply and Pumping Plant	(175.84)	SEC
ADDITION	4	R26-02Q1.13-P-0027	Repl UPS Battery Back Ups @ Citico	4/17/2014	2602	Q	310000	Power Generation Equip	480.35	SEC
ADDITION	4	R26-02Q1.14-P-0012	Purchase Air Release Valves for #2	4/17/2014	2602	Q	320100	WT Equip Non-Media	720.40	SEC
ADDITION	4	R26-02Q1.14-P-0003	Rehabilitation of Hill City #7 Pump	4/9/2014	2602	Q	311520	Pumping Equipment-Source of Supply and Pumping Plant	663.76	SEC
ADDITION	5	R26-02Q1.13-P-0027	Repl UPS Battery Back Ups @ Citico	4/17/2014	2602	Q	310000	Power Generation Equip	(132.39)	SEC
ADDITION	6	R26-02Q1.14-P-0015	Replace #12 Low Service Coupling	6/25/2014	2602	Q	311520	Pumping Equipment-Source of Supply and Pumping Plant	3,686.79	SEC
ADDITION	6	R26-02Q1.14-P-0013	Replace Carbon Slurry Line (Phase 2	6/16/2014	2602	Q	304100	Struct & Imp-Supply	24,388.64	SEC
ADDITION	4	R26-02Q1.14-P-0010	Replace Lab PH Meter	4/3/2014	2602	Q	320100	WT Equip Non-Media	91.03	SEC
ADDITION	6	R26-02Q1.14-P-0013	Replace Carbon Slurry Line (Phase 2	6/16/2014	2602	Q	304100	Struct & Imp-Supply	43.89	SEC
ADDITION	4	R26-02Q1.14-P-0003	Rehabilitation of Hill City #7 Pump	4/9/2014	2602	Q	311520	Pumping Equipment-Source of Supply and Pumping Plant	206.72	SEC
ADDITION	5	R26-02Q1.13-P-0027	Repl UPS Battery Back Ups @ Citico	4/17/2014	2602	Q	310000	Power Generation Equip	(1,439.05)	SEC
ADDITION	5	R26-05Q1.14-P-0003	PUR Anthracite Filter Media	5/1/2014	2605	Q	320100	WT Equip Non-Media	16,243.50	SEC
ADDITION	5	R26-03Q1.14-P-0002	REP SC Plant Turbidimeters	5/9/2014	2603	Q	320100	WT Equip Non-Media	3,809.26	SEC
ADDITION	6	R26-02Q1.14-P-0013	Replace Carbon Slurry Line (Phase 2	6/16/2014	2602	Q	304100	Struct & Imp-Supply	14,251.41	SEC
ADDITION	4	R26-03Q1.14-P-0003	Rep SCUD Chemical Feed Pumps	4/17/2014	2603	Q	320100	WT Equip Non-Media	3.32	SEC
ADDITION	4	R26-03Q1.14-P-0003	Rep SCUD Chemical Feed Pumps	4/17/2014	2603	Q	320100	WT Equip Non-Media	2,876.58	SEC
ADDITION	4	R26-02Q1.14-P-0012	Purchase Air Release Valves for #2	4/17/2014	2602	Q	320100	WT Equip Non-Media	4,550.69	SEC
ADDITION	4	R26-02Q1.13-P-0027	Repl UPS Battery Back Ups @ Citico	4/17/2014	2602	Q	310000	Power Generation Equip	25,914.14	SEC

Type	Period	WBS	Description	In-Service Date	Profit center	Project #	Utility account	UA Naruc	Amount	Eligibility
ADDITION	6	R26-05Q1.14-P-0003	PUR Anthracite Filter Media	5/1/2014	2605	Q	320100	WT Equip Non-Media	16,243.50	SEC
ADDITION	6	R26-03Q1.14-P-0002	REP SC Plant Turbidimeters	5/9/2014	2603	Q	320100	WT Equip Non-Media	3,809.26	SEC
ADDITION	5	R26-02Q1.14-P-0010	Replace Lab PH Meter	4/3/2014	2602	Q	320100	WT Equip Non-Media	1,080.50	SEC
ADDITION	5	R26-02Q1.14-P-0011	Replace Lab Fluoride Meter	4/7/2014	2602	Q	320100	WT Equip Non-Media	2,207.60	SEC
ADDITION	5	R26-02Q1.14-P-0012	Purchase Air Release Valves for #2	4/17/2014	2602	Q	320100	WT Equip Non-Media	4,118.80	SEC
ADDITION	5	R26-03Q1.14-P-0003	Rep SCUD Chemical Feed Pumps	4/17/2014	2603	Q	320100	WT Equip Non-Media	416.57	SEC
ADDITION	5	R26-03Q1.14-P-0003	Rep SCUD Chemical Feed Pumps	4/17/2014	2603	Q	320100	WT Equip Non-Media	416.57	SEC
ADDITION	5	R26-03Q1.14-P-0003	Rep SCUD Chemical Feed Pumps	4/17/2014	2603	Q	320100	WT Equip Non-Media	416.57	SEC
ADDITION	5	R26-03Q1.14-P-0003	Rep SCUD Chemical Feed Pumps	4/17/2014	2603	Q	320100	WT Equip Non-Media	416.57	SEC
ADDITION	5	R26-03Q1.14-P-0003	Rep SCUD Chemical Feed Pumps	4/17/2014	2603	Q	320100	WT Equip Non-Media	416.57	SEC
ADDITION	5	R26-03Q1.14-P-0003	Rep SCUD Chemical Feed Pumps	4/17/2014	2603	Q	320100	WT Equip Non-Media	416.57	SEC
ADDITION	5	R26-03Q1.14-P-0003	Rep SCUD Chemical Feed Pumps	4/17/2014	2603	Q	320100	WT Equip Non-Media	416.57	SEC
ADDITION	5	R26-03Q1.14-P-0003	Rep SCUD Chemical Feed Pumps	4/17/2014	2603	Q	320100	WT Equip Non-Media	416.52	SEC
ADDITION	5	R26-05Q1.14-P-0002	REP Whitwell #2 Raw Water Pump	2/3/2014	2605	Q	311520	Pumping Equipment-Source of Supply and Pumping Plant	5,914.24	SEC
ADDITION	6	R26-03Q1.14-P-0002	REP SC Plant Turbidimeters	5/9/2014	2603	Q	320100	WT Equip Non-Media	(3,809.26)	SEC
ADDITION	6	R26-05Q1.14-P-0003	PUR Anthracite Filter Media	5/1/2014	2605	Q	320100	WT Equip Non-Media	(16,243.50)	SEC
ADDITION	5	R26-02Q1.14-P-0010	Replace Lab PH Meter	4/3/2014	2602	Q	320100	WT Equip Non-Media	(1,080.50)	SEC
ADDITION	5	R26-02Q1.14-P-0011	Replace Lab Fluoride Meter	4/7/2014	2602	Q	320100	WT Equip Non-Media	(2,207.60)	SEC
ADDITION	5	R26-02Q1.14-P-0012	Purchase Air Release Valves for #2	4/17/2014	2602	Q	320100	WT Equip Non-Media	(5,957.50)	SEC
ADDITION	5	R26-03Q1.14-P-0003	Rep SCUD Chemical Feed Pumps	4/17/2014	2603	Q	320100	WT Equip Non-Media	(2,915.94)	SEC
ADDITION	5	R26-05Q1.14-P-0002	REP Whitwell #2 Raw Water Pump	2/3/2014	2605	Q	311520	Pumping Equipment-Source of Supply and Pumping Plant	(2,682.29)	SEC
ADDITION	5	R26-05Q1.14-P-0002	REP Whitwell #2 Raw Water Pump	2/3/2014	2605	Q	311520	Pumping Equipment-Source of Supply and Pumping Plant	(3,231.95)	SEC
ADDITION	6	R26-03Q1.14-P-0002	REP SC Plant Turbidimeters	5/9/2014	2603	Q	304300	Struct & Imp-Treatment	-	SEC
ADDITION	5	R26-02Q1.14-P-0011	Replace Lab Fluoride Meter	4/7/2014	2602	Q	320100	WT Equip Non-Media	-	SEC
ADDITION	5	R26-03Q1.14-P-0003	Rep SCUD Chemical Feed Pumps	4/17/2014	2603	Q	320100	WT Equip Non-Media	-	SEC
ADDITION	5	R26-02Q1.14-P-0010	Replace Lab PH Meter	4/3/2014	2602	Q	344000	Laboratory Equipment	-	SEC
ADDITION	7	R26-05Q1.14-P-0004	INS Chlorine Sensor	7/14/2014	2605	Q	320100	WT Equip Non-Media	1,509.91	SEC
ADDITION	7	R26-02Q1.14-P-0014	Replace HVAC Unit - Men' Restroom @	7/31/2014	2602	Q	304100	Struct & Imp-Supply	11,730.90	SEC
ADDITION	7	R26-02Q1.14-P-0013	Replace Carbon Slurry Line (Phase 2	6/16/2014	2602	Q	304100	Struct & Imp-Supply	24,388.64	SEC
ADDITION	9	R26-02Q1.14-P-0018	Rep Hill City Backflow Prev & Press	9/17/2014	2602	Q	311520	Pumping Equipment-Source of Supply and Pumping Plant	429.07	SEC
ADDITION	9	R26-02Q1.14-P-0018	Rep Hill City Backflow Prev & Press	9/17/2014	2602	Q	311520	Pumping Equipment-Source of Supply and Pumping Plant	39.47	SEC
ADDITION	9	R26-02Q1.14-P-0015	Replace #12 Low Service Coupling	6/25/2014	2602	Q	311520	Pumping Equipment-Source of Supply and Pumping Plant	(3,686.79)	SEC
ADDITION	8	R26-02Q1.14-P-0015	Replace #12 Low Service Coupling	6/25/2014	2602	Q	311520	Pumping Equipment-Source of Supply and Pumping Plant	3,686.79	SEC
ADDITION	9	R26-02Q1.14-P-0018	Rep Hill City Backflow Prev & Press	9/17/2014	2602	Q	311520	Pumping Equipment-Source of Supply and Pumping Plant	4,951.93	SEC
ADDITION	7	R26-02Q1.14-P-0017	Install 6 Valve at Citico Campus @	7/16/2014	2602	Q	309000	Supply Mains	9,413.95	SEC
ADDITION	7	R26-02Q1.14-P-0015	Replace #12 Low Service Coupling	6/25/2014	2602	Q	311520	Pumping Equipment-Source of Supply and Pumping Plant	(3,686.79)	SEC
ADDITION	7	R26-02Q1.14-P-0013	Replace Carbon Slurry Line (Phase 2	6/16/2014	2602	Q	304100	Struct & Imp-Supply	(24,388.64)	SEC
ADDITION	7	R26-02Q1.14-P-0015	Replace #12 Low Service Coupling	6/25/2014	2602	Q	311520	Pumping Equipment-Source of Supply and Pumping Plant	3,686.79	SEC
ADDITION	7	R26-05Q1.14-P-0004	INS Chlorine Sensor	7/14/2014	2605	Q	320100	WT Equip Non-Media	138.91	SEC
ADDITION	7	R26-02Q1.14-P-0017	Install 6 Valve at Citico Campus @	7/16/2014	2602	Q	309000	Supply Mains	447.78	SEC
ADDITION	7	R26-02Q1.14-P-0013	Replace Carbon Slurry Line (Phase 2	6/16/2014	2602	Q	304100	Struct & Imp-Supply	2,243.75	SEC
ADDITION	8	R26-02Q1.14-P-0015	Replace #12 Low Service Coupling	6/25/2014	2602	Q	311520	Pumping Equipment-Source of Supply and Pumping Plant	(3,686.79)	SEC
ADDITION	8	R26-02Q1.14-P-0014	Replace HVAC Unit - Men' Restroom @	7/31/2014	2602	Q	304100	Struct & Imp-Supply	11,730.90	SEC
ADDITION	8	R26-05Q1.14-P-0004	INS Chlorine Sensor	7/14/2014	2605	Q	320100	WT Equip Non-Media	1,648.82	SEC
ADDITION	8	R26-02Q1.14-P-0002	Replace N.End F/H #2 Surface Wash L	3/27/2014	2602	Q	320100	WT Equip Non-Media	7,449.28	SEC
ADDITION	7	R26-02Q1.14-P-0003	Rehabilitation of Hill City #7 Pump	4/9/2014	2602	Q	311520	Pumping Equipment-Source of Supply and Pumping Plant	67,752.12	SEC
ADDITION	8	R26-02Q1.14-P-0014	Replace HVAC Unit - Men' Restroom @	7/31/2014	2602	Q	304100	Struct & Imp-Supply	(11,730.90)	SEC
ADDITION	8	R26-05Q1.14-P-0004	INS Chlorine Sensor	7/14/2014	2605	Q	320100	WT Equip Non-Media	(1,648.82)	SEC
ADDITION	8	R26-02Q1.14-P-0002	Replace N.End F/H #2 Surface Wash L	3/27/2014	2602	Q	320100	WT Equip Non-Media	(7,449.28)	SEC
ADDITION	7	R26-02Q1.14-P-0003	Rehabilitation of Hill City #7 Pump	4/9/2014	2602	Q	311520	Pumping Equipment-Source of Supply and Pumping Plant	(67,752.12)	SEC
ADDITION	7	R26-02Q1.14-P-0003	Rehabilitation of Hill City #7 Pump	4/9/2014	2602	Q	311200	Pump Eqp Electric	-	SEC
ADDITION	12	R26-02Q1.14-P-0035	Replace Roof @ Citico Office	12/17/2014	2602	Q	304100	Struct & Imp-Supply	(133.43)	SEC
ADDITION	12	R26-02Q1.14-P-0031	Replace Roof @ Rossville Station	12/15/2014	2602	Q	304100	Struct & Imp-Supply	9,051.61	SEC

Type	Period	WBS	Description	In-Service Date	Profit center	Project #	Utility account	UA Naruc	Amount	Eligibility
ADDITION	12	R26-02Q1.14-P-0006	Citico Station WTP Filter #4 Rehab	8/29/2014	2602	Q	320100	WT Equip Non-Media	(333.91)	SEC
ADDITION	12	R26-02Q1.14-P-0036	Replace Roof @ Screen House Buildin	12/17/2014	2602	Q	304100	Struct & Imp-Supply	(45.53)	SEC
ADDITION	12	R26-02Q1.14-P-0037	Plant 1 Post Chlorine Feed Line Rep	12/17/2014	2602	Q	320100	WT Equip Non-Media	(12.87)	SEC
ADDITION	12	R26-02Q1.14-P-0031	Replace Roof @ Rossville Station	12/15/2014	2602	Q	304100	Struct & Imp-Supply	1,709.81	SEC
ADDITION	12	R26-02Q1.14-P-0035	Replace Roof @ Citico Office	12/17/2014	2602	Q	304100	Struct & Imp-Supply	4,749.84	SEC
ADDITION	12	R26-02Q1.14-P-0036	Replace Roof @ Screen House Buildin	12/17/2014	2602	Q	304100	Struct & Imp-Supply	699.93	SEC
ADDITION	12	R26-02Q1.14-P-0033	Replace Roof @ New York Station	12/15/2014	2602	Q	304100	Struct & Imp-Supply	344.97	SEC
ADDITION	12	R26-02Q1.14-P-0036	Replace Roof @ Screen House Buildin	12/17/2014	2602	Q	304100	Struct & Imp-Supply	10,154.51	SEC
ADDITION	10	R26-02Q1.14-P-0015	Replace #12 Low Service Coupling	6/25/2014	2602	Q	311520	Pumping Equipment-Source of Supply and Pumping Plant	3,686.79	SEC
ADDITION	12	R26-02Q1.14-P-0032	Replace Roof @ Red Bank Station	12/15/2014	2602	Q	304100	Struct & Imp-Supply	1,364.45	SEC
ADDITION	11	R26-02Q1.14-P-0019	Replace (2) Multilins @ Citico Pump	11/18/2014	2602	Q	311520	Pumping Equipment-Source of Supply and Pumping Plant	4,679.51	SEC
ADDITION	12	R26-02Q1.14-P-0032	Replace Roof @ Red Bank Station	12/15/2014	2602	Q	304100	Struct & Imp-Supply	(6.12)	SEC
ADDITION	12	R26-02Q1.14-P-0033	Replace Roof @ New York Station	12/15/2014	2602	Q	304100	Struct & Imp-Supply	(52.17)	SEC
ADDITION	12	R26-02Q1.14-P-0031	Replace Roof @ Rossville Station	12/15/2014	2602	Q	304100	Struct & Imp-Supply	(40.59)	SEC
ADDITION	12	R26-02Q1.14-P-0034	Replace Roof @ Elder Mtn. Station	12/17/2014	2602	Q	304100	Struct & Imp-Supply	(38.11)	SEC
ADDITION	12	R26-02Q1.14-P-0037	Plant 1 Post Chlorine Feed Line Rep	12/17/2014	2602	Q	320100	WT Equip Non-Media	2,869.41	SEC
ADDITION	12	R26-02Q1.14-P-0033	Replace Roof @ New York Station	12/15/2014	2602	Q	304100	Struct & Imp-Supply	11,634.20	SEC
ADDITION	12	R26-02Q1.14-P-0034	Replace Roof @ Elder Mtn. Station	12/17/2014	2602	Q	304100	Struct & Imp-Supply	8,500.16	SEC
ADDITION	12	R26-02Q1.14-P-0035	Replace Roof @ Citico Office	12/17/2014	2602	Q	304100	Struct & Imp-Supply	29,756.07	SEC
ADDITION	12	R26-02Q1.14-P-0034	Replace Roof @ Elder Mtn. Station	12/17/2014	2602	Q	304100	Struct & Imp-Supply	714.92	SEC
ADDITION	12	R26-02Q1.14-P-0006	Citico Station WTP Filter #4 Rehab	8/29/2014	2602	Q	320100	WT Equip Non-Media	334,218.84	SEC
ADDITION	12	R26-02Q1.14-P-0032	Replace Roof @ Red Bank Station	12/15/2014	2602	Q	304100	Struct & Imp-Supply	1,249.08	SEC
ADDITION	11	R26-02Q1.14-P-0015	Replace #12 Low Service Coupling	6/25/2014	2602	Q	311520	Pumping Equipment-Source of Supply and Pumping Plant	-	SEC
ADDITION	11	R26-02Q1.13-P-0027	Repl UPS Battery Back Ups @ Citico	4/17/2014	2602	Q	310000	Power Generation Equip	25,066.08	SEC
ADDITION	10	R26-02Q1.14-P-0015	Replace #12 Low Service Coupling	6/25/2014	2602	Q	311520	Pumping Equipment-Source of Supply and Pumping Plant	22,443.53	SEC
ADDITION	10	R26-02Q1.14-P-0018	Rep Hill City Backflow Prev & Press	9/17/2014	2602	Q	311520	Pumping Equipment-Source of Supply and Pumping Plant	5,420.47	SEC
ADDITION	10	R26-02Q1.14-P-0017	Install 6 Valve at Citico Campus @	7/16/2014	2602	Q	309000	Supply Mains	9,861.73	SEC
ADDITION	10	R26-02Q1.14-P-0013	Replace Carbon Slurry Line (Phase 2	6/16/2014	2602	Q	304100	Struct & Imp-Supply	40,890.08	SEC
ADDITION	10	R26-05Q1.14-P-0002	REP Whitwell #2 Raw Water Pump	2/3/2014	2605	Q	311520	Pumping Equipment-Source of Supply and Pumping Plant	-	SEC
ADDITION	10	R26-02Q1.14-P-0014	Replace HVAC Unit - Men' Restroom @	7/31/2014	2602	Q	304100	Struct & Imp-Supply	-	SEC
ADDITION	12	R26-02Q1.14-P-0019	Replace (2) Multilins @ Citico Pump	11/18/2014	2602	Q	311520	Pumping Equipment-Source of Supply and Pumping Plant	4,679.51	SEC
ADDITION	11	R26-02Q1.14-P-0015	Replace #12 Low Service Coupling	6/25/2014	2602	Q	311520	Pumping Equipment-Source of Supply and Pumping Plant	(3,686.79)	SEC
ADDITION	11	R26-02Q1.13-P-0027	Repl UPS Battery Back Ups @ Citico	4/17/2014	2602	Q	310000	Power Generation Equip	(25,066.08)	SEC
ADDITION	10	R26-02Q1.14-P-0015	Replace #12 Low Service Coupling	6/25/2014	2602	Q	311520	Pumping Equipment-Source of Supply and Pumping Plant	(22,443.53)	SEC
ADDITION	10	R26-02Q1.14-P-0018	Rep Hill City Backflow Prev & Press	9/17/2014	2602	Q	311520	Pumping Equipment-Source of Supply and Pumping Plant	(5,420.47)	SEC
ADDITION	10	R26-02Q1.14-P-0017	Install 6 Valve at Citico Campus @	7/16/2014	2602	Q	309000	Supply Mains	(9,861.73)	SEC
ADDITION	10	R26-02Q1.14-P-0013	Replace Carbon Slurry Line (Phase 2	6/16/2014	2602	Q	304100	Struct & Imp-Supply	(40,890.08)	SEC
ADDITION	12	R26-02Q1.14-P-0019	Replace (2) Multilins @ Citico Pump	11/18/2014	2602	Q	311520	Pumping Equipment-Source of Supply and Pumping Plant	(4,679.51)	SEC
ADDITION	10	R26-02Q1.14-P-0020	Replace New Impeller for St. Elmo #	8/28/2014	2602	Q	311520	Pumping Equipment-Source of Supply and Pumping Plant	9,630.61	SEC
ADDITION	11	R26-02Q1.14-P-0015	Replace #12 Low Service Coupling	6/25/2014	2602	Q	311520	Pumping Equipment-Source of Supply and Pumping Plant	-	SEC
ADDITION	10	R26-02Q1.14-P-0013	Replace Carbon Slurry Line (Phase 2	6/16/2014	2602	Q	320100	WT Equip Non-Media	-	SEC
ADDITION	5	R26-05R1.14-P-0002	Repair Whitwell Tank	5/1/2014	2605	R	330000	Dist Reservoirs & Standpipes	18,565.68	QIIP
ADDITION	6	R26-05R1.14-P-0002	Repair Whitwell Tank	5/1/2014	2605	R	330000	Dist Reservoirs & Standpipes	18,565.68	QIIP
ADDITION	6	R26-05R1.14-P-0002	Repair Whitwell Tank	5/1/2014	2605	R	330000	Dist Reservoirs & Standpipes	(18,565.68)	QIIP
ADDITION	6	R26-05R1.14-P-0002	Repair Whitwell Tank	5/1/2014	2605	R	330200	Ground Level Tanks	-	QIIP
ADDITION	7	R26-02R1.13-P-0002	Aldrich Unit #7 and #8 Rehabilitati	7/25/2014	2602	R	320100	WT Equip Non-Media	372,778.74	QIIP
ADDITION	8	R26-02R1.13-P-0002	Aldrich Unit #7 and #8 Rehabilitati	7/25/2014	2602	R	320100	WT Equip Non-Media	(23,267.21)	QIIP
ADDITION	9	R26-02R1.13-P-0002	Aldrich Unit #7 and #8 Rehabilitati	7/25/2014	2602	R	320100	WT Equip Non-Media	248,482.92	QIIP
ADDITION	9	R26-02R1.13-P-0002	Aldrich Unit #7 and #8 Rehabilitati	7/25/2014	2602	R	320100	WT Equip Non-Media	1,275.68	QIIP
ADDITION	9	R26-02R1.13-P-0002	Aldrich Unit #7 and #8 Rehabilitati	7/25/2014	2602	R	320100	WT Equip Non-Media	533.47	QIIP
ADDITION	8	R26-02R1.13-P-0002	Aldrich Unit #7 and #8 Rehabilitati	7/25/2014	2602	R	320100	WT Equip Non-Media	378,252.82	QIIP
ADDITION	9	R26-02R1.13-P-0002	Aldrich Unit #7 and #8 Rehabilitati	7/25/2014	2602	R	320100	WT Equip Non-Media	1,361.17	QIIP

Type	Period	WBS	Description	In-Service Date	Profit center	Project #	Utility account	UA Naruc	Amount	Eligibility
ADDITION	8	R26-02R1.13-P-0002	Aldrich Unit #7 and #8 Rehabilitati	7/25/2014	2602	R	320100	WT Equip Non-Media	(254,172.81)	QIIP
ADDITION	9	R26-02R1.13-P-0002	Aldrich Unit #7 and #8 Rehabilitati	7/25/2014	2602	R	320100	WT Equip Non-Media	(287,915.91)	QIIP
ADDITION	7	R26-02R1.13-P-0002	Aldrich Unit #7 and #8 Rehabilitati	7/25/2014	2602	R	320100	WT Equip Non-Media	258,674.79	QIIP
ADDITION	7	R26-02R1.13-P-0002	Aldrich Unit #7 and #8 Rehabilitati	7/25/2014	2602	R	320100	WT Equip Non-Media	41,222.13	QIIP
ADDITION	7	R26-02R1.13-P-0002	Aldrich Unit #7 and #8 Rehabilitati	7/25/2014	2602	R	320100	WT Equip Non-Media	1,653,302.16	QIIP
ADDITION	12	R26-02R1.13-P-0002	Aldrich Unit #7 and #8 Rehabilitati	7/25/2014	2602	R	320100	WT Equip Non-Media	(769.24)	QIIP
ADDITION	12	R26-02R1.14-P-0002	TANK EVALUATION FOR CLEARWELL NO.2	7/30/2014	2602	R	330000	Dist Reservoirs & Standpipes	(52.65)	QIIP
ADDITION	12	R26-03R1.14-P-0002	TANK EVALUATION FOR SUCK CREEK TANK	7/31/2014	2603	R	330000	Dist Reservoirs & Standpipes	(11.02)	QIIP
ADDITION	10	R26-02R1.13-P-0002	Aldrich Unit #7 and #8 Rehabilitati	7/25/2014	2602	R	320100	WT Equip Non-Media	39,884.12	QIIP
ADDITION	11	R26-02R1.13-P-0002	Aldrich Unit #7 and #8 Rehabilitati	7/25/2014	2602	R	320100	WT Equip Non-Media	8,261.29	QIIP
ADDITION	12	R26-02R1.14-P-0002	TANK EVALUATION FOR CLEARWELL NO.2	7/30/2014	2602	R	330000	Dist Reservoirs & Standpipes	1,759.31	QIIP
ADDITION	10	R26-02R1.13-P-0002	Aldrich Unit #7 and #8 Rehabilitati	7/25/2014	2602	R	320100	WT Equip Non-Media	272.78	QIIP
ADDITION	10	R26-02R1.13-P-0002	Aldrich Unit #7 and #8 Rehabilitati	7/25/2014	2602	R	320100	WT Equip Non-Media	212,040.85	QIIP
ADDITION	10	R26-02R1.13-P-0002	Aldrich Unit #7 and #8 Rehabilitati	7/25/2014	2602	R	320100	WT Equip Non-Media	(248,179.60)	QIIP
ADDITION	12	R26-02R1.13-P-0002	Aldrich Unit #7 and #8 Rehabilitati	7/25/2014	2602	R	320100	WT Equip Non-Media	(61,665.67)	QIIP
ADDITION	11	R26-02R1.13-P-0002	Aldrich Unit #7 and #8 Rehabilitati	7/25/2014	2602	R	320100	WT Equip Non-Media	(122,244.19)	QIIP
ADDITION	12	R26-03R1.14-P-0002	TANK EVALUATION FOR SUCK CREEK TANK	7/31/2014	2603	R	330000	Dist Reservoirs & Standpipes	13.37	QIIP
ADDITION	12	R26-02R1.13-P-0002	Aldrich Unit #7 and #8 Rehabilitati	7/25/2014	2602	R	320100	WT Equip Non-Media	62,590.42	QIIP
ADDITION	12	R26-02R1.14-P-0002	TANK EVALUATION FOR CLEARWELL NO.2	7/30/2014	2602	R	330000	Dist Reservoirs & Standpipes	1,000.00	QIIP
ADDITION	12	R26-03R1.14-P-0002	TANK EVALUATION FOR SUCK CREEK TANK	7/31/2014	2603	R	330000	Dist Reservoirs & Standpipes	1,557.00	QIIP
ADDITION	12	R26-02R1.13-P-0002	Aldrich Unit #7 and #8 Rehabilitati	7/25/2014	2602	R	320100	WT Equip Non-Media	(5,379.39)	QIIP
ADDITION	10	R26-02R1.13-P-0002	Aldrich Unit #7 and #8 Rehabilitati	7/25/2014	2602	R	320100	WT Equip Non-Media	(3,551.81)	QIIP
ADDITION	11	R26-02R1.13-P-0002	Aldrich Unit #7 and #8 Rehabilitati	7/25/2014	2602	R	320100	WT Equip Non-Media	3,193.99	QIIP
ADDITION	11	R26-02R1.13-P-0002	Aldrich Unit #7 and #8 Rehabilitati	7/25/2014	2602	R	320100	WT Equip Non-Media	62,247.76	QIIP
ADDITION	12	R26-02R1.12-P-0001	Clearwell No 2 Rehabilitation AS	11/26/2012	2602	R	330003	Tank Repainting	882,262.11	QIIP
ADDITION	12	R26-02R1.12-P-0001	Clearwell No 2 Rehabilitation AS	11/26/2012	2602	R	330003	Tank Repainting	(1.02)	QIIP
ADDITION	12	R26-02R1.12-P-0001	Clearwell No 2 Rehabilitation AS	11/26/2012	2602	R	330003	Tank Repainting	(909,714.08)	QIIP
ADDITION	12	R26-02R1.12-P-0001	Clearwell No 2 Rehabilitation AS	11/26/2012	2602	R	330003	Tank Repainting	27,452.99	QIIP
Cost Of Removal	12	R26-02B1.14-P-0004	DAYTON BLVD 2-6" STUB OUTS FOR FUTU	5/9/2014	2602	B	331001	TD Mains Not Classified	1,834.86	QIIP
Cost Of Removal	12	R26-02B1.14-P-0005	Silverdale Wrkhouse 12" main instal	8/18/2014	2602	B	331001	TD Mains Not Classified	1,668.50	QIIP
Cost Of Removal	12	R26-02B1.14-P-0005	Silverdale Wrkhouse 12" main instal	8/18/2014	2602	B	331001	TD Mains Not Classified	625.68	QIIP
Cost Of Removal	12	R26-02B1.13-P-0016	OAK ST AND GLENN AVE 4" MAIN EXTENS	5/20/2014	2602	B	333000	Services	1,829.05	QIIP
Cost Of Removal	12	R26-02B1.13-P-0019	INSTALL 780' - 8" MAIN IN ARLINGTON	7/10/2014	2602	B	333000	Services	3,531.42	QIIP
Cost Of Removal	2	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	16.94	QIIP
Cost Of Removal	2	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	39.44	QIIP
Cost Of Removal	2	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	552.24	QIIP
Cost Of Removal	2	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	10.27	QIIP
Cost Of Removal	2	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	60.39	QIIP
Cost Of Removal	2	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	144.52	QIIP
Cost Of Removal	2	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	34.51	QIIP
Cost Of Removal	2	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	225.66	QIIP
Cost Of Removal	2	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	243.24	QIIP
Cost Of Removal	2	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	146.69	QIIP
Cost Of Removal	2	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	43.13	QIIP
Cost Of Removal	2	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	189.82	QIIP
Cost Of Removal	2	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	254.53	QIIP
Cost Of Removal	2	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	60.39	QIIP
Cost Of Removal	2	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	51.77	QIIP
Cost Of Removal	2	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	10.27	QIIP
Cost Of Removal	2	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	10.27	QIIP
Cost Of Removal	2	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	10.27	QIIP
Cost Of Removal	2	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	594.92	QIIP

Type	Period	WBS	Description	In-Service Date	Profit center	Project #	Utility account	UA Naruc	Amount	Eligibility
Cost Of Removal	2	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	8,016.62	QIIP
Cost Of Removal	2	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	43.13	QIIP
Cost Of Removal	2	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	1,191.28	QIIP
Cost Of Removal	2	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	216.94	QIIP
Cost Of Removal	2	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	30.81	QIIP
Cost Of Removal	2	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	573.56	QIIP
Cost Of Removal	2	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	755.16	QIIP
Cost Of Removal	2	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	128.59	QIIP
Cost Of Removal	2	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	60.39	QIIP
Cost Of Removal	2	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	110.12	QIIP
Cost Of Removal	12	R26-02D1.14-P-0002	INSTALL 6" & 4" MAIN IN STRINGER ST	1/22/2014	2602	D	331001	TD Mains Not Classified	3,030.71	QIIP
Cost Of Removal	12	R26-02D1.14-P-0002	INSTALL 6" & 4" MAIN IN STRINGER ST	1/22/2014	2602	D	331001	TD Mains Not Classified	3,030.74	QIIP
Cost Of Removal	12	R26-02D1.14-P-0007	OCHS HIGHWAY @ GUILD TRAIL RELOCATI	3/27/2014	2602	D	333000	Services	4,302.21	QIIP
Cost Of Removal	1	R26-02J1.13-P-0001	Meters-Replaced -Blanket	1/0/1900	2602	J	334200	Meter Installations	5,428.16	QIIP
Cost Of Removal	2	R26-02J1.13-P-0001	Meters-Replaced -Blanket	1/0/1900	2602	J	334200	Meter Installations	5,756.17	QIIP
Cost Of Removal	2	R26-02J1.13-P-0001	Meters-Replaced -Blanket	1/0/1900	2602	J	334200	Meter Installations	1,562.62	QIIP
Cost Of Removal	3	R26-02J1.13-P-0001	Meters-Replaced -Blanket	1/0/1900	2602	J	334200	Meter Installations	11,814.47	QIIP
Cost Of Removal	7	R26-02L1.14-P-0002	Remove and Replace Controlles in th	4/8/2014	2602	L	320100	WT Equip Non-Media	1,599.54	SEC
Cost Of Removal	9	R26-02L1.14-P-0002	Remove and Replace Controlles in th	4/8/2014	2602	L	320100	WT Equip Non-Media	4,333.78	SEC
Cost Of Removal	6	R26-03Q1.14-P-0002	REP SC Plant Turbidimeters	5/9/2014	2603	Q	304300	Struct & Imp-Treatment	200.47	SEC
Cost Of Removal	6	R26-03Q1.14-P-0002	REP SC Plant Turbidimeters	5/9/2014	2603	Q	304300	Struct & Imp-Treatment	0.01	SEC
Cost Of Removal	5	R26-02Q1.14-P-0010	Replace Lab PH Meter	4/3/2014	2602	Q	320100	WT Equip Non-Media	0.02	SEC
Cost Of Removal	5	R26-02Q1.14-P-0011	Replace Lab Fluoride Meter	4/7/2014	2602	Q	320100	WT Equip Non-Media	0.02	SEC
Cost Of Removal	5	R26-02Q1.14-P-0011	Replace Lab Fluoride Meter	4/7/2014	2602	Q	320100	WT Equip Non-Media	23.14	SEC
Cost Of Removal	5	R26-03Q1.14-P-0003	Rep SCUD Chemical Feed Pumps	4/17/2014	2603	Q	320100	WT Equip Non-Media	153.00	SEC
Cost Of Removal	5	R26-03Q1.14-P-0003	Rep SCUD Chemical Feed Pumps	4/17/2014	2603	Q	320100	WT Equip Non-Media	0.45	SEC
Cost Of Removal	5	R26-02Q1.14-P-0010	Replace Lab PH Meter	4/3/2014	2602	Q	344000	Laboratory Equipment	11.86	SEC
Cost Of Removal	8	R26-02Q1.14-P-0014	Replace HVAC Unit - Men' Restroom @	7/31/2014	2602	Q	304100	Struct & Imp-Supply	102.01	SEC
Cost Of Removal	7	R26-02Q1.14-P-0003	Rehabilitation of Hill City #7 Pump	4/9/2014	2602	Q	311200	Pump Eqp Electric	614.45	SEC
Cost Of Removal	7	R26-02Q1.14-P-0003	Rehabilitation of Hill City #7 Pump	4/9/2014	2602	Q	311520	Pumping Equipment-Source of Supply and Pumping Plant	65.03	SEC
Cost Of Removal	8	R26-02Q1.14-P-0002	Replace N.End F/H #2 Surface Wash L	3/27/2014	2602	Q	320100	WT Equip Non-Media	212.52	SEC
Cost Of Removal	10	R26-02Q1.14-P-0013	Replace Carbon Slurry Line (Phase 2	6/16/2014	2602	Q	304100	Struct & Imp-Supply	14.96	SEC
Cost Of Removal	11	R26-02Q1.13-P-0027	Repl UPS Battery Back Ups @ Citico	4/17/2014	2602	Q	310000	Power Generation Equip	114.68	SEC
Cost Of Removal	10	R26-02Q1.14-P-0015	Replace #12 Low Service Coupling	6/25/2014	2602	Q	311520	Pumping Equipment-Source of Supply and Pumping Plant	694.15	SEC
Cost Of Removal	10	R26-02Q1.14-P-0018	Rep Hill City Backflow Prev & Press	9/17/2014	2602	Q	311520	Pumping Equipment-Source of Supply and Pumping Plant	10.63	SEC
Cost Of Removal	10	R26-02Q1.14-P-0020	Replace New Impeller for St. Elmo #	8/28/2014	2602	Q	311520	Pumping Equipment-Source of Supply and Pumping Plant	1.59	SEC
Cost Of Removal	12	R26-02Q1.14-P-0019	Replace (2) Multilins @ Citico Pump	11/18/2014	2602	Q	311520	Pumping Equipment-Source of Supply and Pumping Plant	1.02	SEC
Cost Of Removal	10	R26-02Q1.14-P-0013	Replace Carbon Slurry Line (Phase 2	6/16/2014	2602	Q	320100	WT Equip Non-Media	396.75	SEC
Cost Of Removal	6	R26-05R1.14-P-0002	Repair Whitwell Tank	5/1/2014	2605	R	330000	Dist Reservoirs & Standpipes	0.11	QIIP
Cost Of Removal	6	R26-05R1.14-P-0002	Repair Whitwell Tank	5/1/2014	2605	R	330200	Ground Level Tanks	977.03	QIIP
RETIREMENT	4	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	(499.79)	QIIP
RETIREMENT	4	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	(114.34)	QIIP
RETIREMENT	4	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	(75.39)	QIIP
RETIREMENT	4	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	(209.40)	QIIP
RETIREMENT	4	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	(332.25)	QIIP
RETIREMENT	4	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	(231.32)	QIIP
RETIREMENT	4	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	(69.25)	QIIP
RETIREMENT	4	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	(78.56)	QIIP
RETIREMENT	4	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	(1,015.99)	QIIP
RETIREMENT	4	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	(465.00)	QIIP
RETIREMENT	4	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	(0.95)	QIIP
RETIREMENT	4	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	(9.21)	QIIP

Type	Period	WBS	Description	In-Service Date	Profit center	Project #	Utility account	UA Naruc	Amount	Eligibility
RETIREMENT	4	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	(90.09)	QIIP
RETIREMENT	4	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	(276.81)	QIIP
RETIREMENT	4	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	(141.52)	QIIP
RETIREMENT	4	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	(4.79)	QIIP
RETIREMENT	4	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	(364.90)	QIIP
RETIREMENT	4	R26-02C1.13-P-0001	Mains - Unscheduled Blanket	1/0/1900	2602	C	331001	TD Mains Not Classified	(16.90)	QIIP
RETIREMENT	3	R26-02J1.13-P-0001	Meters-Replaced -Blanket	1/0/1900	2602	J	334200	Meter Installations	(1,923.20)	QIIP
RETIREMENT	7	R26-02L1.14-P-0002	Remove and Replace Controlles in th	4/8/2014	2602	L	320100	WT Equip Non-Media	(12,364.70)	SEC
RETIREMENT	5	R26-02Q1.14-P-0003	Rehabilitation of Hill City #7 Pump	4/9/2014	2602	Q	311200	Pump Eqp Electric	(5,857.07)	SEC
RETIREMENT	5	R26-02Q1.14-P-0010	Replace Lab PH Meter	4/3/2014	2602	Q	344000	Laboratory Equipment	(452.47)	SEC
RETIREMENT	5	R26-02Q1.14-P-0011	Replace Lab Fluoride Meter	4/7/2014	2602	Q	320100	WT Equip Non-Media	(1,168.62)	SEC
RETIREMENT	5	R26-03Q1.14-P-0003	Rep SCUD Chemical Feed Pumps	4/17/2014	2603	Q	320100	WT Equip Non-Media	(1,688.21)	SEC
RETIREMENT	6	R26-03Q1.14-P-0002	REP SC Plant Turbidimeters	5/9/2014	2603	Q	304300	Struct & Imp-Treatment	(2,283.91)	SEC
RETIREMENT	9	R26-02Q1.14-P-0014	Replace HVAC Unit - Men' Restroom @	7/31/2014	2602	Q	304300	Struct & Imp-Pumping	(936.91)	SEC
RETIREMENT	7	R26-02Q1.14-P-0013	Replace Carbon Slurry Line (Phase 2	6/16/2014	2602	Q	320100	WT Equip Non-Media	(8,488.42)	SEC
RETIREMENT	8	R26-02Q1.14-P-0002	Replace N.End F/H #2 Surface Wash L	3/27/2014	2602	Q	320100	WT Equip Non-Media	(1,745.48)	SEC
RETIREMENT	11	R26-02Q1.14-P-0020	Replace New Impeller for St. Elmo #	8/28/2014	2602	Q	311520	Pumping Equipment-Source of Supply and Pumping Plant	(8,400.03)	SEC
RETIREMENT	11	R26-02Q1.14-P-0015	Replace #12 Low Service Coupling	6/25/2014	2602	Q	311520	Pumping Equipment-Source of Supply and Pumping Plant	(15,660.60)	SEC
RETIREMENT	11	R26-02Q1.14-P-0018	Rep Hill City Backflow Prev & Press	9/17/2014	2602	Q	311520	Pumping Equipment-Source of Supply and Pumping Plant	(4,734.66)	SEC
RETIREMENT	11	R26-02Q1.14-P-0022	Retiring Old Laboratory Equipment,	8/26/2014	2602	Q	344000	Laboratory Equipment	(58,387.13)	SEC
RETIREMENT	11	R26-02Q1.14-P-0022	Retiring Old Laboratory Equipment,	8/26/2014	2602	Q	344000	Laboratory Equipment	(5,128.48)	SEC
RETIREMENT	11	R26-02Q1.14-P-0022	Retiring Old Laboratory Equipment,	8/26/2014	2602	Q	344000	Laboratory Equipment	(79,693.62)	SEC
RETIREMENT	11	R26-02Q1.14-P-0022	Retiring Old Laboratory Equipment,	8/26/2014	2602	Q	344000	Laboratory Equipment	(3,617.04)	SEC
RETIREMENT	11	R26-02Q1.14-P-0021	Repl Chemical Breakroom Cabinets &	9/30/2014	2602	Q	304300	Struct & Imp-Treatment	(1,074.17)	SEC
RETIREMENT	12	R26-02Q1.14-P-0019	Replace (2) Multilins @ Citico Pump	11/18/2014	2602	Q	311520	Pump Eqp Other	(4,813.80)	SEC
RETIREMENT	12	R26-02Q1.14-P-0025	Repl. Light Fixtures @ Citico H.S.	11/19/2014	2602	Q	304300	Struct & Imp-Pumping	(691.85)	SEC
RETIREMENT	6	R26-05R1.14-P-0002	Repair Whitwell Tank	5/1/2014	2605	R	330200	Ground Level Tanks	(446.00)	QIIP

Type	ADDITION
Eligibility	(Multiple Items)

Pivot Table source is data on WKP 2014 Actuals and is summarized by month, project # and UA Naruc fields with a selection of ADDITION in Type field and a selection of EDI,SEC and QIIP in the Eligibility field.

Sum of Amount			Period												Grand Total
Project #	UA Naruc	Utility account	1	2	3	4	5	6	7	8	9	10	11	12	
B	Hydrants	335000						61.93	45.25	191.62	(69.53)	(66.11)		27,120.21	27,283.37
	Services	333000						420.02	49.63	262.61	(95.30)	(90.61)		21,629.02	22,175.37
	TD Mains Not Classified	331001				153,236.73	86,865.39	14,922.45	133,387.66	(4,634.51)	(8,567.50)	(8,145.09)	113,053.21	324,864.54	804,982.88
B Total						153,236.73	86,865.39	15,404.40	133,482.54	(4,180.28)	(8,732.33)	(8,301.81)	113,053.21	373,613.77	854,441.62
C	TD Mains Not Classified	331001	114,817.06	151,096.86	6,845.37	70,313.40	37,910.18	84,045.50	114,754.14	66,340.74	53,046.12	121,058.76	35,513.13	123,363.34	979,104.60
C Total			114,817.06	151,096.86	6,845.37	70,313.40	37,910.18	84,045.50	114,754.14	66,340.74	53,046.12	121,058.76	35,513.13	123,363.34	979,104.60
D	Services	333000						48.97	1.22					238.14	288.33
	TD Mains Not Classified	331001		28,675.16	305.77	23,956.36	(7,444.53)	3,330.17	72.95					20,285.44	69,181.32
D Total				28,675.16	305.77	23,956.36	(7,444.53)	3,379.14	74.17					20,523.58	69,469.65
E	Hydrants	335000	3,632.24	5,568.35	(551.07)	10,988.12	3,978.29	887.46	3,222.61	893.88	2,381.31	(152.85)	6,539.12	1,181.13	38,568.59
	TD Mains Not Classified	331001	(511.54)	706.48	100.71	7,527.53	(3,994.65)	13,382.40	230.07	3,693.28	3,326.46	(213.49)	(276.59)	(34.87)	23,935.79
E Total			3,120.70	6,274.83	(450.36)	18,515.65	(16.36)	14,269.86	3,452.68	4,587.16	5,707.77	(366.34)	6,262.53	1,146.26	62,504.38
F	Hydrants	335000	15,431.16	5,410.41	14,517.42	21,051.77	8,497.27	22,924.68	30,051.89	70,538.77	(16,789.23)	(2,800.80)	27,013.21	23,256.59	219,103.14
	TD Mains Not Classified	331001		45.84						4,802.14	(984.03)	(389.55)	1,410.31	16,595.19	21,479.90
F Total			15,431.16	5,456.25	14,517.42	21,051.77	8,497.27	22,924.68	30,051.89	75,340.91	(17,773.26)	(3,190.35)	28,423.52	39,851.78	240,583.04
H	Services	333000	105,367.65	34,859.31	(4,247.96)	23,357.27	(29,262.83)	95,312.72	(59,982.26)	122,738.63	(10,447.02)	62,655.07	70,280.73	31,871.28	442,502.59
H Total			105,367.65	34,859.31	(4,247.96)	23,357.27	(29,262.83)	95,312.72	(59,982.26)	122,738.63	(10,447.02)	62,655.07	70,280.73	31,871.28	442,502.59
J	Meter Installations	334200	5,291.11	4,211.06	11,079.37	16,862.61	12,806.50	26,036.99	78,327.60	111,725.59	135,382.08	146,461.90	56,157.70	14,041.67	618,384.18
	Meters	334100	8,881.73	7,456.77	11,972.20	2,732.62	3,559.04	3,865.40	5,474.14	(846.89)					43,095.01
J Total			14,172.84	11,667.83	23,051.57	19,595.23	16,365.54	29,902.39	83,801.74	110,878.70	135,382.08	146,461.90	56,157.70	14,041.67	661,479.19
L	Comm Equip Non-Telephone	346100									60,940.05	(3,634.89)		22.88	57,328.04
	Comp & Periph Equip	340200									17,355.61	(150.87)		0.68	17,205.42
	Remote Control & Instrument	346190									142,540.65	(9,107.41)	16,329.04	(4,896.87)	144,865.41
	WT Equip Non-Media	320100				217,982.35	6,908.40		0.00	43,446.19	0.00	0.00		268,336.94	
L Total						217,982.35	6,908.40		0.00	43,446.19	220,836.31	(12,893.17)	16,329.04	(4,873.31)	487,735.81
M	Struct & Imp-General	304500												6,193.01	6,193.01
M Total														6,193.01	6,193.01
Q	Laboratory Equipment	344000					0.00								0.00
	Power Generation Equip	310000				26,637.52	(1,571.44)						0.00		25,066.08
	Pump Eqp Electric	311200							0.00						0.00
	Pumping Equipment-Source of S	311520		2,682.29	3,231.95	67,752.12	0.00	26,130.32	0.00	0.00	1,733.68	13,317.40	992.72	0.00	115,840.48
	Struct & Imp-Supply	304100						38,646.33	13,974.65	0.00		0.00		79,613.60	132,234.58
	Struct & Imp-Treatment	304300						0.00							0.00
	Supply Mains	309000							9,861.73			0.00			9,861.73
	WT Equip Non-Media	320100			7,449.28	12,161.54	18,214.06	(0.00)	1,648.82	(0.00)		0.00		336,741.47	376,215.17
Q Total				2,682.29	10,681.23	106,551.18	16,642.62	64,776.65	25,485.20	(0.00)	1,733.68	13,317.40	992.72	416,355.07	659,218.04
R	Dist Reservoirs & Standpipes	330000					18,565.68	0.00						4,266.01	22,831.69
	Ground Level Tanks	330200						0.00							0.00
	Tank Repainting	330003												0.00	0.00
	WT Equip Non-Media	320100							2,325,977.82	100,812.80	(36,262.67)	466.34	(48,541.15)	(5,223.88)	2,337,229.26
R Total							18,565.68	0.00	2,325,977.82	100,812.80	(36,262.67)	466.34	(48,541.15)	(957.87)	2,360,060.95
Grand Total			252,909.41	240,712.53	50,703.04	654,559.94	155,031.36	330,015.34	2,657,097.92	519,964.85	343,490.68	319,207.80	278,471.43	1,021,128.58	6,823,292.88

Tennessee American Water Company
Qualified Infrastructure Improvement Program Rider (QIIP)
Economic Development Investment Rider (EDI)
Safety and Environmental Compliance Rider (SEC)
Reduction for Capitalized Performance Compensation

Year	Annual Performance Plan	Long Term Performance Plan	Total	Actual Amount of Performance Compensation Capitalized
2016	\$464,044	\$57,709	\$521,753	\$60,844
2015	267,852	38,811	306,663	46,737
2014	147,822	30,535	178,357	38,826
2013	143,533	34,638	178,171	67,630
Total	\$1,023,251	\$161,693	\$1,184,944	\$214,037

Year	50% of Annual Performance Plan	Percentage of Capitalized Wages	50% of APP multiplied by Labor Capitalization Rate	Actual Amount of Performance Compensation Capitalized	Adjustment to Capital for Performance Compensation	Revenue Reduction Calculation for 2013	Revenue Reduction Calculation for 2014	Revenue Reduction Calculation for 2015	Revenue Reduction Calculation for 2016	Revenue Reduction Calculation for 2017	Revenue Reduction Calculation for 2018
2016	\$232,022	29.33%	\$68,052	\$60,844	\$0			6,452	\$0	\$0	\$0
2015	133,926	30.08%	40,285	46,737	6,452			17,370	6,452	6,452	6,452
2014	73,911	29.03%	21,456	38,826	17,370		17,370	17,370	17,370	17,370	17,370
2013	71,767	21.63%	15,523	67,630	52,107	52,107	52,107	52,107	52,107	52,107	52,107
Total	\$511,626		\$145,316	\$214,037	\$75,929	\$52,107	\$69,477	\$75,929	\$75,929	\$75,929	\$75,929

Pre-Tax Authorized Rate of Return:	9.454%
Pre-Tax Reduction on Capitalized AIP:	4,926.38

Depreciation Expense Reduction:	2.22%	1,154.17	1,538.91	1,681.83	1,681.83	1,681.83	1,681.83	1,681.83	1,681.83	composite rate based on 2016 actual depr expense over actual additions
Property and Franchise Taxes Reduction:		704.34	939.13	1,026.34	1,026.34	1,026.34	1,026.34	1,026.34	1,026.34	same as 2016 recon filing
Revenue Reduction:		6,784.89	9,046.61	9,886.74	9,886.74	9,886.74	9,886.74	9,886.74	9,886.74	
Revenue Taxes			3.191%	3.191%	3.191%	3.191%	3.191%	3.191%	3.191%	
Total Revenues with Revenue Taxes Reduction		\$57,203.87	\$7,008.54	\$9,344.81	\$10,212.63	\$10,212.63	\$10,212.63	\$10,212.63	\$10,212.63	
QIIP	48.36%	\$9,877.26	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$4,938.63	\$4,938.63	% from total actual revenue requirement filed for 2016 reconciliation
EDI	1.78%	364.54	0.00	0.00	0.00	0.00	0.00	182.27	182.27	% from total actual revenue requirement filed for 2016 reconciliation
SEC	49.86%	10,183.46	0.00	0.00	0.00	0.00	0.00	5,091.73	5,091.73	% from total actual revenue requirement filed for 2016 reconciliation
Total Revenues with Revenue Taxes Reduction in this Filing		\$20,425.26	\$0.00 (1)	\$0.00 (1)	\$0.00 (1)	\$0.00 (1)	\$0.00 (1)	\$10,212.63	\$10,212.63	

(1) These amounts from 2014-2016 have been zeroed out to reflect the revenue reduction being included in the 2016 reconciliation rate from docket #17-00020

Tennessee American Water Company
Qualified Infrastructure Improvement Program (QIIP)
Economic Development Investment Rider (EDI)
Safety and Environmental Compliance Rider (SEC)
Retirements & Cost of Removal

**CALCULATION OF AVERAGE BALANCE OF RETIREMENTS AND
AVG BALANCE OF COST OF REMOVAL LESS SALVAGE SPEND**

Business Unit No.	Account	Account Description	2015-2017 Additions	Portion of Account	2015-2017 Retirements	2015-2017 COR, Net of Salvage	3 Year Average Capital Rider Retirement %	3 Year Average Capital Rider COR less Salvage %
DV	331001	Transmission & Distribution Mains	\$0	0.00%	\$0	\$0	0.00%	0.00%
DV	333000	Services	0	0.00%	0	0	0.00%	0.00%
DV	335000	Hydrants	0	0.00%	0	0	0.00%	0.00%
A	331001	Transmission & Distribution Mains	905,421	91.97%	0	0	0.00%	0.00%
A	333000	Services	7,459	0.76%	0	0	0.00%	0.00%
A	334300	Meter Vaults	18,184	1.85%	0	0	0.00%	0.00%
A	335000	Hydrants	53,504	5.43%	0	0	0.00%	0.00%
B	331001	Transmission & Distribution Mains	4,197,754	88.33%	(258,810)	65,137	-6.17%	-25.17%
B	333000	Services	464,802	9.78%	(434)	45,742	-0.09%	-10545.13%
B	335000	Hydrants	89,623	1.89%	(1,386)	626	-1.55%	-45.14%
C	331001	Transmission & Distribution Mains	5,024,946	99.90%	(414,965)	636,886	-8.26%	-153.48%
C	335000	Hydrants	4,979	0.10%	0	0	0.00%	0.00%
D	331001	Transmission & Distribution Mains	3,506,854	94.48%	(141,991)	119,817	-4.05%	-84.38%
D	333000	Services	47,955	1.29%	0	45,467	0.00%	0.00%
D	335000	Hydrants	156,385	4.21%	(64,148)	0	-41.02%	0.00%
E	331001	Transmission & Distribution Mains	164,694	83.73%	0	0	0.00%	0.00%
E	335000	Hydrants	32,013	16.27%	(882)	933	-2.75%	-105.81%
F	331001	Transmission & Distribution Mains	169,851	29.44%	(18,684)	45,828	-11.00%	-245.28%
F	335000	Hydrants	407,086	70.56%	(46,739)	23,127	-11.48%	-49.48%
G	333000	Services	(709,660)	100.00%	0	0	0.00%	0.00%
H	333000	Services	1,430,015	98.82%	(72,647)	467,253	-5.08%	-643.18%
H	334100	Meters	17,011	1.18%	(8,625)	12,160	-50.70%	-140.98%
I	334100	Meters	(136,631)	48.53%	0	0	0.00%	0.00%
I	334200	Meter Installations	(144,915)	51.47%	0	0	0.00%	0.00%
J	334100	Meters	554,533	14.79%	(1,570,869)	179,969	-283.28%	-11.46%
J	334200	Meter Installations	3,196,054	85.21%	(440,538)	631,070	-13.78%	-143.25%
K	340200	Computer & Peripheral Equipment	0	0.00%	0	0	0.00%	0.00%
L	320100	WT Equip Non-Media	0	0.00%	0	0	0.00%	0.00%
L	340200	Computer & Peripheral Equipment	38,145	6.32%	0	2,449	0.00%	0.00%
L	346100	Comm Equip Non-Telephone	(16,209)	-2.68%	0	0	0.00%	0.00%
L	346190	Remote Control & Instrument	581,934	96.36%	(76,210)	46,033	-13.10%	-60.40%
M	304100	Struct & Imp-Supply	20,271	5.17%	0	0	0.00%	0.00%
M	304200	Struct & Imp-Pumping	0	0.00%	(10,202)	0	0.00%	0.00%
M	304300	Structures & Improvement - Treatment	316,721	80.85%	(5,678)	10,153	-1.79%	-178.81%

Tennessee American Water Company
Qualified Infrastructure Improvement Program (QIIP)
Economic Development Investment Rider (EDI)
Safety and Environmental Compliance Rider (SEC)
Retirements & Cost of Removal

**CALCULATION OF AVERAGE BALANCE OF RETIREMENTS AND
AVG BALANCE OF COST OF REMOVAL LESS SALVAGE SPEND**

Business Unit No.	Account	Account Description	2015-2017 Additions	Portion of Account	2015-2017 Retirements	2015-2017 COR, Net of Salvage	3 Year Average Capital Rider Retirement %	3 Year Average Capital Rider COR less Salvage %
M	304400	Struct & Imp-Treatment-T&D	49,087	12.53%	0	0	0.00%	0.00%
M	304500	Structures & Improvement - General	0	0.00%	0	0	0.00%	0.00%
M	340200	Computer & Peripheral Equipment	5,638	1.44%	0	0	0.00%	0.00%
N	304500	Structures & Improvement - General	0	0.00%	0	0	0.00%	0.00%
O	341100	Transportation Equip Lt Duty Trucks	0	0.00%	0	0	0.00%	0.00%
O	341200	Transportation Equip Hvy Duty Trucks	0	0.00%	0	0	0.00%	0.00%
O	341300	Transportation Equip Autos	0	0.00%	0	0	0.00%	0.00%
P	343000	Tools, Shop, Garage Equipment	0	0.00%	0	0	0.00%	0.00%
Q	304100	Struct & Imp-Supply	579,885	8.61%	0	757	0.00%	0.00%
Q	304200	Struct & Imp-Pumping	833,440	12.37%	(22,521)	32,245	-2.70%	-143.18%
Q	304300	Struct & Imp-Treatment	151,998	2.26%	(10,954)	1,922	-7.21%	-17.55%
Q	304400	Struct & Imp-Treatment-T&D	25,679	0.38%	0	0	0.00%	0.00%
Q	304500	Structures & Improvement - General	61,239	0.91%	0	277	0.00%	0.00%
Q	304600	Struc & Imp-Offices	7,517	0.11%	0	0	0.00%	0.00%
Q	304700	Struct & Imp-Store,Shop,Garage	0	0.00%	(7,869)	1	0.00%	-0.01%
Q	306000	Lake, River & Other Intakes	24,247	0.36%	0	313	0.00%	0.00%
Q	309000	Supply Mains	0	0.00%	0	0	0.00%	0.00%
Q	310000	Power Generation Equip	14,457	0.21%	0	0	0.00%	0.00%
Q	311200	Pump Eqp Electric	41,372	0.61%	(126,002)	38,717	-304.56%	-30.73%
Q	311520	Pumping Equipment SOS	1,620,082	24.04%	(32,730)	32,154	-2.02%	-98.24%
Q	320100	WT Equip Non-Media	2,267,394	33.65%	(468,218)	307,939	-20.65%	-65.77%
Q	320200	Water Trmt Equip Filter Media	923,326	13.70%	(356,063)	387,855	-38.56%	-108.93%
Q	330000	Dist Reservoirs & Standpipes	23,679	0.35%	(0)	0	0.00%	0.00%
Q	331001	Transmission & Distribution Mains	0	0.00%	(1,011)	0	0.00%	0.00%
Q	334100	Meters	0	0.00%	0	0	0.00%	0.00%
Q	340200	Computer & Peripheral Equipment	0	0.00%	(0)	105	0.00%	0.00%
Q	340300	Computer Software	99,427	1.48%	0	0	0.00%	100.00%
Q	340330	Computer Software Other	977	0.01%	0	0	0.00%	200.00%
Q	343000	Tools, Shop, Garage Equipment	3,294	0.05%	(2,705)	0	-82.11%	0.00%
Q	344000	Laboratory Equipment	4,899	0.07%	(2,554)	1,206	-52.14%	-47.22%
Q	345000	Power Operated Equipment	41,485	0.62%	(11,283)	1,676	-27.20%	-14.85%
Q	346190	Remote Control & Instrument	6,104	0.09%	(3,100)	0	-50.79%	0.00%
Q	347000	Misc Equipment	7,793	0.12%	(3,766)	3,159	-48.32%	-83.88%
R	304300	Struct & Imp-Treatment	0	0.00%	(94,900)	0	0.00%	0.00%
R	304301	Struct & Imp-Treatment-Dpr Paint	0	0.00%	(170,157)	172,522	0.00%	-101.39%
R	320100	WT Equip Non-Media	0	0.00%	(123,785)	38,866	0.00%	-31.40%
R	320200	Water Trmt Equip Filter Media	0	0.00%	(36,378)	(180)	0.00%	0.50%
R	330000	Dist Reservoirs & Standpipes	214	0.01%	0	0	0.00%	0.00%
R	330003	Tank Repainting	940,315	62.02%	(109,594)	205,907	-11.66%	-187.88%
R	330100	Elevated Tanks & Standpipes	90,599	5.98%	0	0	0.00%	0.00%
R	330200	Ground Level Tanks	485,065	31.99%	0	0	0.00%	0.00%
S	331001	Transmission & Distribution Mains	0	0.00%	0	0	0.00%	0.00%
		Total	\$28,707,991		(\$4,716,396)	\$3,558,089		

Tennessee American Water Company
Qualified Infrastructure Improvement Program (QIIP)
Economic Development Investment Rider (EDI)
Safety and Environmental Compliance Rider (SEC)
Retirements & Cost of Removal

Shown below are the 2015 - 2017 additions, retirements and COR, net of salvage that is used to calculate the current three year average for retirement and COR, net of salvage % that are applied to current plant additions. In 2016, adjustments to additions and COR, net of salvage for 2014 projects. The adjustment was made to properly calculate the 2015 - 2017 data. The cumulative amounts for additions, retirements and COR, net of salvage are correct.

CALCULATION OF AVERAGE BALANCE OF RETIREMENTS AND
AVG BALANCE OF COST OF REMOVAL LESS SALVAGE SPEND

Business Unit No.	Account	Account Description	Plant Additions			Plant Retirements			COR, net of Salvage			
			Cumulative Additions 2014 - 2017	2014 Additions	Other Adjustments (made Jan/Feb 2016) 2015-2017 Additions	Cumulative Retirements 2014 - 2017	2014 Retirements	2015-2017 Retirements	Cumulative COR, Net of Salvage 2014 - 2017	2014 COR, Net of Salvage	Other Adjustments (made Jan/Feb 2016)	2015-2017 COR, Net of Salvage
DV	331001	Transmission & Distribution Mains	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		\$0
DV	333000	Services	0	0	0	0	0	0	0	0		0
DV	335000	Hydrants	0	0	0	0	0	0	0	0		0
A	331001	Transmission & Distribution Mains	905,421	0	905,421	0	0	0	0	0		0
A	333000	Services	7,459	0	7,459	0	0	0	0	0		0
A	334300	Meter Vaults	18,184	0	18,184	0	0	0	0	0		0
A	335000	Hydrants	53,504	0	53,504	0	0	0	0	0		0
B	331001	Transmission & Distribution Mains	5,002,737	804,983	4,197,754	(258,810)	0	(258,810)	69,266	4,129		65,137
B	333000	Services	486,978	22,175	464,802	(434)	0	(434)	51,102	5,360		45,742
B	335000	Hydrants	116,906	27,283	89,623	(1,386)	0	(1,386)	626	0		626
C	331001	Transmission & Distribution Mains	6,004,050	979,105	5,024,946	(418,962)	(3,996)	(414,965)	650,712	13,826		636,886
C	335000	Hydrants	4,979	0	4,979	0	0	0	0	0		0
D	331001	Transmission & Distribution Mains	3,576,035	69,181	3,506,854	(141,991)	0	(141,991)	125,878	6,061		119,817
D	333000	Services	48,244	288	47,955	0	0	0	49,770	4,302		45,467
D	335000	Hydrants	156,385	0	156,385	(64,148)	0	(64,148)	0	0		0
E	331001	Transmission & Distribution Mains	188,630	23,936	164,694	0	0	0	0	0		0
E	335000	Hydrants	70,582	38,569	32,013	(882)	0	(882)	933	0		933
F	331001	Transmission & Distribution Mains	191,331	21,480	169,851	(18,684)	0	(18,684)	45,828	0		45,828
F	335000	Hydrants	626,189	219,103	407,086	(46,739)	0	(46,739)	23,127	0		23,127
G	333000	Services	0	709,660	(709,660)	0	0	0	0	0		0
H	333000	Services	1,872,518	442,503	1,430,015	(72,647)	0	(72,647)	467,253	0		467,253
H	334100	Meters	17,011	0	17,011	(8,625)	0	(8,625)	12,160	0		12,160
I	334100	Meters	0	136,631	(136,631)	0	0	0	0	0		0
I	334200	Meter Installations	0	144,915	(144,915)	0	0	0	0	0		0
J	334100	Meters	597,628	43,095	554,533	(1,570,869)	0	(1,570,869)	179,969	0		179,969
J	334200	Meter Installations	3,814,438	618,384	3,196,054	(442,461)	(1,923)	(440,538)	655,631	24,561		631,070
K	340200	Computer & Peripheral Equipment	0	0	0	0	0	0	0	0		0
L	320100	WT Equip Non-Media	268,337	268,337	0	(12,365)	(12,365)	0	5,933	5,933		0
L	340200	Computer & Peripheral Equipment	55,351	17,205	38,145	0	0	0	2,449	0		2,449
L	346100	Comm Equip Non-Telephone	41,119	57,328	(16,209)	0	0	0	0	0		0
L	346190	Remote Control & Instrument	726,799	144,865	581,934	(76,210)	0	(76,210)	46,033	0		46,033
M	304100	Struct & Imp-Supply	20,271	0	20,271	0	0	0	0	0		0
M	304200	Struct & Imp-Pumping	0	0	0	(10,202)	0	(10,202)	0	0		0
M	304300	Structures & Improvement - Treatment	316,721	0	316,721	(5,678)	0	(5,678)	10,153	0		10,153

Tennessee American Water Company
Qualified Infrastructure Improvement Program (QIIP)
Economic Development Investment Rider (EDI)
Safety and Environmental Compliance Rider (SEC)
Retirements & Cost of Removal

Shown below are the 2015 - 2017 additions, retirements and COR, net of salvage that is used to calculate the current three year average for retirement and COR, net of salvage % that are applied to current plant additions. In 2016, adjustments to additions and COR, net of salvage for 2014 projects. The adjustment was made to properly calculate the 2015 - 2017 data. The cumulative amounts for additions, retirements and COR, net of salvage are correct.

CALCULATION OF AVERAGE BALANCE OF RETIREMENTS AND
AVG BALANCE OF COST OF REMOVAL LESS SALVAGE SPEND

Business Unit No.	Account	Account Description	Plant Additions				Plant Retirements			COR, net of Salvage			
			Cumulative Additions 2014 - 2017	2014 Additions	Other Adjustments (made Jan/Feb 2016)	2015-2017 Additions	Cumulative Retirements 2014 - 2017	2014 Retirements	2015-2017 Retirements	Cumulative COR, Net of Salvage 2014 - 2017	2014 COR, Net of Salvage	Other Adjustments (made Jan/Feb 2016)	2015-2017 COR, Net of Salvage
M	304400	Struct & Imp-Treatment-T&D	49,087	0		49,087	0	0	0	0	0		0
M	304500	Structures & Improvement - General	6,193	6,193		0	0	0	0	0	0		0
M	340200	Computer & Peripheral Equipment	5,638	0		5,638	0	0	0	0	0		0
N	304500	Structures & Improvement - General	0	0		0	0	0	0	0	0		0
O	341100	Transportation Equip Lt Duty Trucks	0	0		0	0	0	0	0	0		0
O	341200	Transportation Equip Hvy Duty Trucks	0	0		0	0	0	0	0	0		0
O	341300	Transportation Equip Autos	0	0		0	0	0	0	0	0		0
P	343000	Tools, Shop, Garage Equipment	0	0		0	0	0	0	0	0		0
Q	304100	Struct & Imp-Supply	712,119	132,235		579,885	0	0	0	874	117		757
Q	304200	Struct & Imp-Pumping	833,440	0		833,440	(22,521)	0	(22,521)	32,245	0		32,245
Q	304300	Struct & Imp-Treatment	151,998	0		151,998	(15,941)	(4,987)	(10,954)	2,123	200		1,922
Q	304400	Struct & Imp-Treatment-T&D	25,679	0		25,679	0	0	0	0	0		0
Q	304500	Structures & Improvement - General	61,239	0		61,239	0	0	0	277	0		277
Q	304600	Struc & Imp-Offices	7,517	0		7,517	0	0	0	0	0		0
Q	304700	Struct & Imp-Store,Shop,Garage	0	0		0	(7,869)	0	(7,869)	1	0		1
Q	306000	Lake, River & Other Intakes	24,247	0		24,247	0	0	0	313	0		313
Q	309000	Supply Mains	9,862	9,862		0	0	0	0	0	0		0
Q	310000	Power Generation Equip	39,524	25,066		14,457	0	0	0	115	115		0
Q	311200	Pump Eqp Electric	41,372	0		41,372	(131,859)	(5,857)	(126,002)	39,331	614		38,717
Q	311520	Pumping Equipment SOS	1,735,922	115,840		1,620,082	(66,339)	(33,609)	(32,730)	32,927	772		32,154
Q	320100	WT Equip Non-Media	2,643,609	376,215		2,267,394	(481,309)	(13,091)	(468,218)	308,725	786		307,939
Q	320200	Water Trmt Equip Filter Media	923,326	0		923,326	(356,063)	0	(356,063)	387,855	0		387,855
Q	330000	Dist Reservoirs & Standpipes	23,679	0		23,679	(0)	0	(0)	0	0		0
Q	331001	Transmission & Distribution Mains	0	0		0	(1,011)	0	(1,011)	0	0		0
Q	334100	Meters	0	0		0	0	0	0	0	0		0
Q	340200	Computer & Peripheral Equipment	0	0		0	(0)	0	(0)	105	0		105
Q	340300	Computer Software	99,427	0		99,427	0	0	0	0	0		0
Q	340330	Computer Software Other	977	0		977	0	0	0	0	0		0
Q	343000	Tools, Shop, Garage Equipment	3,294	0		3,294	(2,705)	0	(2,705)	0	0		0
Q	344000	Laboratory Equipment	4,899	0		4,899	(149,833)	(147,279)	(2,554)	1,218	12		1,206
Q	345000	Power Operated Equipment	41,485	0		41,485	(11,283)	0	(11,283)	1,676	0		1,676
Q	346190	Remote Control & Instrument	6,104	0		6,104	(3,100)	0	(3,100)	0	0		0
Q	347000	Misc Equipment	7,793	0		7,793	(3,766)	0	(3,766)	3,159	0		3,159
R	304300	Struct & Imp-Treatment	0	0		0	0	0	0	0	0		0
R	304301	Struct & Imp-Treatment-Dpr Paint	1,250,689	0	1,250,689	0	(94,900)	0	(94,900)	0	0		0
R	320100	WT Equip Non-Media	259,932	2,337,229	2,077,297	0	(170,157)	0	(170,157)	661,770	0	489,248	172,522
R	320200	Water Trmt Equip Filter Media	52,740	0	52,740	0	(123,785)	0	(123,785)	89,500	0	50,634	38,866
R	330000	Dist Reservoirs & Standpipes	23,045	22,832		214	(36,378)	0	(36,378)	206,460	0	206,640	(180)
R	330003	Tank Repainting	940,315	0		940,315	0	0	0	0	0		0
R	330100	Elevated Tanks & Standpipes	90,599	0		90,599	(109,594)	0	(109,594)	205,907	0		205,907
R	330200	Ground Level Tanks	485,065	0		485,065	0	0	0	0	0		0
S	331001	Transmission & Distribution Mains	0	0		0	(446)	(446)	0	977	977		0
		Total	\$35,748,622	\$7,814,500	(\$773,868)	\$28,707,991	(\$4,939,949)	(\$223,553)	(\$4,716,396)	\$4,372,379	\$67,768	\$746,522	\$3,558,089

Tennessee American Water
Residential Water Rates

		PRICE LEVELS - (Meter Based)										PRICES - (VOLUMES & NON-METER BASED FLAT FEES)											
Rate Category Descrip	Charge Type	5/8-METER	3/4-METER	1-METER	1.5-METER	2-METER	3-METER	4-METER	6-METER	8-METER	1BlockLim1	1Block\$1	2BlockLim2	2Block\$2	3BlockLim3	3Block\$3	4BlockLim4	4Block\$4	5BlockLim5	5Block\$5	6BlockLim6	6Block\$6	
TN Lone Oak Water:Res	Flat rate										9999999999	\$ 42.030000											
TN Lone Oak Water:Res	Quantity-based price										20	\$ -	9999999999	\$ 0.726550									
													-										
TN Suck Creek Water:Res	Meter-Based	\$ 30.60	\$ 30.60	\$ 30.60	\$ 30.60	\$ 30.60	\$ 30.60	\$ 30.60	\$ 30.60	\$ 30.60													
TN Suck Creek Water:Res	Quantity-based price										15	\$ -	95	\$ 0.607310	9999999999	\$ 0.455510							
													-										
TN Chatt Water: Res	Meter-Based	\$ 13.96	\$ 23.45	\$ 39.01	\$ 78.05	\$ 124.88	\$ 234.52	\$ 390.25	\$ 780.50	\$ 1,248.77													
TN Chatt Water: Res	Quantity-based price										30	\$ 0.035660	486	\$ 0.565550	3740	\$ 0.355310	37400	\$ 0.265640	112000	\$ 0.203050	9999999999	\$ 0.120570	
													-										
TN Chatt Water Lookout Mtn.: Res	Meter-Based	\$ 15.66	\$ 23.45	\$ 39.01	\$ 78.05	\$ 124.89	\$ 234.14	\$ 390.25	\$ 780.50	\$ 1,248.77													
TN Chatt Water Lookout Mtn.: Res	Quantity-based price										30	\$ 0.132820	486	\$ 0.728500	3740	\$ 0.518260	37400	\$ 0.361830	112000	\$ 0.299910	9999999999	\$ 0.217430	
													-										
TN Chatt Water Lakeview: Res	Meter-Based	\$ 15.66	\$ 23.45	\$ 39.00	\$ 78.05	\$ 124.88	\$ 234.14	\$ 390.25	\$ 780.50	\$ 1,248.77													
TN Chatt Water Lakeview: Res	Quantity-based price										30	\$ 0.065640	486	\$ 0.623240	3740	\$ 0.413010	37400	\$ 0.295160	112000	\$ 0.232740	9999999999	\$ 0.150270	
													-										
TN -Whitwell Res WT INSIDE CITY	Quantity-based price										20	\$ -	40	\$ 0.480000	60	\$ 0.456000	9999999999	\$ 0.419000					
TN -Whitwell Res WT INSIDE CITY	Flat rate										9999999999	\$ 20.450000											
													-										
TN Whitwell Res WT OUTSIDE CITY	Quantity-based price										20	\$ -	40	\$ 0.587000	60	\$ 0.532000	9999999999	\$ 0.437000					
TN Whitwell Res WT OUTSIDE CITY	Flat rate										9999999999	\$ 20.450000											

*Data from prior capital rider filings.

Tennessee American Water Company
Pre Tax Rate of Return & Revenue Conversion Factors

Last Rate Order:	Notes	
PTR = ((WCCE +WCPE) * PTRCF) + WCLTD +WSTD	8.45145%	8.451452% Calculated Pre-tax Return based on capital structure ratios and cost rates
Reconciliation component	0.0000%	
Weighted Cost of Common Equity (WCCE)	3.4380000%	3.4380000% From Settlement agreement Docket No. 12-00049
Weighted Cost of Preferred Equity (WCPE)	0.0014790%	0.0014790% From Settlement agreement Docket No. 12-00049
Weighted Cost of Long-Term Debt (WCLTD)	3.7620130%	3.7620130% From Settlement agreement Docket No. 12-00049
Weighted Cost of Short- Term Debt (WCSTD) (from Settlement agreement)	0.0330000%	0.0330000% From Settlement agreement Docket No. 12-00049
Gross Revenue Conversion Factor (PTRCF): 1/(1-PPRT)(1-SIT)(1-FIT)	1.35382116	1.35382116
<u>PreTax ROR Conv. Factor</u>		
State Excise Tax	6.5%	0.065 From Settlement agreement Docket No. 12-00049
Balance (1.0-.065)		0.935
Fed Inc. Tax (.935*.21)	21.0%	0.19635 From Settlement agreement Docket No. 12-00049
Combined Tax Rate (.065 + .19635)		0.26135
Balance (1.0-.26135)		0.73865
PreTax ROR Conv. Factor		<u>1.35382116</u>
<u>Revenue Taxes:</u>		
Uncol. Exp		1.057% From Settlement Agreement - Does not include forfeited discounts
TRA Fee		From House Bill 191
GR Tax		3.000% From Settlement Agreement
Forfeited Discounts		-0.866% From Settlement Agreement
Total Rev. Taxes		<u>3.1910%</u>
Projection of Annual Revenues from Last Rate Order:	\$ 47,073,724	From Settlement agreement Docket No. 12-00049
Projection of Annual Sales from Last Order in 100 Gallons	100,589,065	From Settlement agreement Docket No. 12-00049
Property tax per Settlement Agreement	\$ 2,757,695	From Settlement agreement Docket No. 12-00049
Propert tax base per Settlement Agreement	\$ 250,455,533	From Settlement agreement Docket No. 12-00049
Property tax rate (Propetty tax divided by tax base)	1.101072%	
Franchise Fee rate per \$100 of Net Investment	\$ 0.25	From Settlement agreement Docket No. 12-00049
Franchise Fee % per \$1 of Net Investment	0.25%	
	Ratio	Cost Rate
Company Long Term Debt	52.94%	6.02% From Settlement agreement Docket No. 12-00049
Company Short Term Debt	2.45%	1.00% From Settlement agreement Docket No. 12-00049
Parent Long Term Debt	9.35%	6.15% From Settlement agreement Docket No. 12-00049
Parent Short Term Debt	0.85%	1.00% From Settlement agreement Docket No. 12-00049
Company Preferred Stock	0.00%	10.00% From Settlement agreement Docket No. 12-00049
Company Common Equity	0.00%	0.00% From Settlement agreement Docket No. 12-00049
Parent Preferred Stock	0.03%	4.93% From Settlement agreement Docket No. 12-00049
Parent Common Equity	34.38%	10.00% From Settlement agreement Docket No. 12-00049

**Tennessee American Water Company
Contributions in Aid to Construction
12 Month History by Account**

		2012									
		1	2	3	4	5	6	7	8	9	10
GARDEN METER SETTINGS COST	560815					(10,846)	(11,258)	(6,972)			(41,934)
NEW GARDEN METER COST	560824					(516)	(526)	(228)			
						(1,912)					
		(3,486)	(2,324)	(15,672)	(11,231)						
Grand Total		(3,486)	(2,324)	(15,672)	(11,231)	(13,274)	(11,784)	(7,200)	-	-	(41,934)

*Amounts from subledger for
recurring projects

Tennessee American Water Company
Contributions in Aid to Construction
12 Month History by Account

		2013									
		11	12	1	2	3	4	5	6	7	8
	560815	(4,982)	(6,412)	(4,782)	(6,066)	(4,266)	(7,828)	(12,590)	(9,666)	(3,025)	(3,000)
GARDEN METER SETTINGS COST											
	560824										
NEW GARDEN METER COST											
Grand Total		(4,982)	(6,412)	(4,782)	(6,066)	(4,266)	(7,828)	(12,590)	(9,666)	(3,025)	(3,000)

*Amounts from subledger for
recurring projects

**Tennessee American Water Company
Contributions in Aid to Construction
12 Month History by Account**

		2014									
		9	10	11	12	1	2	3	4	5	6
GARDEN METER SETTINGS COST	560815	(2,682)	(5,532)	(2,466)	3,750	(2,212)	(600)				
NEW GARDEN METER COST	560824			(2,400)			(5,362)	(7,716)	(4,650)	(13,261)	
Grand Total		(2,682)	(5,532)	(4,866)	3,750	(2,212)	(5,962)	(7,716)	(4,650)	(13,261)	-

*Amounts from subledger for
recurring projects

Tennessee American Water Company
Contributions in Aid to Construction
12 Month History by Account

		2015									
		7	8	9	10	11	12	1	2	3	4
	560815										
GARDEN METER SETTINGS COST											
	560824	(1,800)									
NEW GARDEN METER COST											
Grand Total		(1,800)	-	-	-	-	-	-	-	-	-

*Amounts from subledger for
recurring projects

Tennessee American Water Company Contributions in Aid to Construction 12 Month History by Account

		5	6	7	8	9	10	11	12	Grand Total
	560815									(143,369)
GARDEN METER SETTINGS COST										-
	560824		(81,388)							(117,847)
NEW GARDEN METER COST										-
										(1,912)
										(32,713)
Grand Total		-	(81,388)	-	-	-	-	-	-	(295,841)
									1/2 Average	(36,980.19)
*Amounts from subledger for recurring projects										
									Multiply by 3 for 1.5 years	(110,940.56)

Tennessee American Water Company
NARUC Master Chart of Accounts

GMMCU	GMOBJ	GMSUB	GMDL01	GMR004	GMR00401	GMR021	GMR02101	GMR022	GMR02201
ASSC76	101000	301000	Organization	801	Utility Plant Original Cost	A301	Organization	A3011	Organization
ASSC76	101000	302000	Franchises	801	Utility Plant Original Cost	A302	Franchises & Consents	A3021	Franchises
ASSC76	101000	302100	Franchises Amortizable	801	Utility Plant Original Cost	A302	Franchises & Consents	A3021	Franchises
ASSC76	101000	303200	Land & Ld Rights SS	801	Utility Plant Original Cost	A310	Land & Land Rights SS	A3032	Land & Land Rights SS
ASSC76	101000	303300	Land & Ld Rights P	801	Utility Plant Original Cost	A320	Land & Land Rights P	A3032	Land & Land Rights SS
ASSC76	101000	303400	Land & Ld Rights WT	801	Utility Plant Original Cost	A330	Land & Land Rights WT	A3033	Land & Land Rights WT
ASSC76	101000	303410	Depletable Ld WT	801	Utility Plant Original Cost	A330	Land & Land Rights WT	A3033	Land & Land Rights WT
ASSC76	101000	303500	Land & Ld Rights TD	801	Utility Plant Original Cost	A340	Land & Land Rights TD	A3034	Land & Land Rights TD
ASSC76	101000	303501	Land TD	801	Utility Plant Original Cost	A340	Land & Land Rights TD	A3034	Land & Land Rights TD
ASSC76	101000	303502	Rights of Way TD	801	Utility Plant Original Cost	A340	Land & Land Rights TD	A3034	Land & Land Rights TD
ASSC76	101000	303600	Land & Land Rights AG	801	Utility Plant Original Cost	A389	Land & Land Rights AG	A3035	Land & Land Rights AG
ASSC76	101000	304100	Struct & Imp SS	801	Utility Plant Original Cost	A311	Struct & Improve SS	A3042	Struct & Improve SS
ASSC76	101000	304101	Struct & Imp SS-Millbury	801	Utility Plant Original Cost	A311	Struct & Improve SS	A3042	Struct & Improve SS
ASSC76	101000	304102	Struct & Imp SS-Free St	801	Utility Plant Original Cost	A311	Struct & Improve SS	A3042	Struct & Improve SS
ASSC76	101000	304103	Struct & Imp SS-Downing	801	Utility Plant Original Cost	A311	Struct & Improve SS	A3042	Struct & Improve SS
ASSC76	101000	304104	Struct & Imp SS-Free St	801	Utility Plant Original Cost	A311	Struct & Improve SS	A3042	Struct & Improve SS
ASSC76	101000	304200	Struct & Imp P	801	Utility Plant Original Cost	A321	Struct & Improve P	A3042	Struct & Improve SS
ASSC76	101000	304201	Struct & Imp Pumps (STL)	801	Utility Plant Original Cost	A321	Struct & Improve P	A3042	Struct & Improve SS
ASSC76	101000	304202	Struct & Imp Pump Booster	801	Utility Plant Original Cost	A321	Struct & Improve P	A3042	Struct & Improve SS
ASSC76	101000	304220	Struct & Imp P MA	801	Utility Plant Original Cost	A321	Struct & Improve P	A3042	Struct & Improve SS
ASSC76	101000	304221	Struct & Imp P MA	801	Utility Plant Original Cost	A321	Struct & Improve P	A3042	Struct & Improve SS
ASSC76	101000	304222	Struct & Imp P MA	801	Utility Plant Original Cost	A321	Struct & Improve P	A3042	Struct & Improve SS
ASSC76	101000	304223	Struct & Imp P MA	801	Utility Plant Original Cost	A321	Struct & Improve P	A3042	Struct & Improve SS
ASSC76	101000	304224	Struct & Imp P MA	801	Utility Plant Original Cost	A321	Struct & Improve P	A3042	Struct & Improve SS
ASSC76	101000	304225	Struct & Imp P MA	801	Utility Plant Original Cost	A321	Struct & Improve P	A3042	Struct & Improve SS
ASSC76	101000	304227	Struct & Imp P MA	801	Utility Plant Original Cost	A321	Struct & Improve P	A3042	Struct & Improve SS
ASSC76	101000	304228	Struct & Imp P MA	801	Utility Plant Original Cost	A321	Struct & Improve P	A3042	Struct & Improve SS
ASSC76	101000	304229	Struct & Imp P MA	801	Utility Plant Original Cost	A321	Struct & Improve P	A3042	Struct & Improve SS
ASSC76	101000	304230	Struct & Imp P MA	801	Utility Plant Original Cost	A321	Struct & Improve P	A3042	Struct & Improve SS
ASSC76	101000	304231	Struct & Imp P MA	801	Utility Plant Original Cost	A321	Struct & Improve P	A3042	Struct & Improve SS
ASSC76	101000	304233	Struct & Imp P MA	801	Utility Plant Original Cost	A321	Struct & Improve P	A3042	Struct & Improve SS
ASSC76	101000	304234	Struct & Imp P MA	801	Utility Plant Original Cost	A321	Struct & Improve P	A3042	Struct & Improve SS
ASSC76	101000	304235	Struct & Imp P MA	801	Utility Plant Original Cost	A321	Struct & Improve P	A3042	Struct & Improve SS
ASSC76	101000	304236	Struct & Imp P MA	801	Utility Plant Original Cost	A321	Struct & Improve P	A3042	Struct & Improve SS
ASSC76	101000	304300	Struct & Imp WT	801	Utility Plant Original Cost	A331	Struct & Improve WT	A3043	Struct & Improve WT
ASSC76	101000	304301	Struct & Imp WT Depr Pntn	801	Utility Plant Original Cost	A331	Struct & Improve WT	A3043	Struct & Improve WT
ASSC76	101000	304302	Struct & Imp WT Paint	801	Utility Plant Original Cost	A331	Struct & Improve WT	A3043	Struct & Improve WT
ASSC76	101000	304310	Struct & Imp WT Wste Hand	801	Utility Plant Original Cost	A331	Struct & Improve WT	A3043	Struct & Improve WT
ASSC76	101000	304312	Struct & Imp WT WH Repain	801	Utility Plant Original Cost	A331	Struct & Improve WT	A3043	Struct & Improve WT
ASSC76	101000	304320	Struct & Imp WT Nth Plt (	801	Utility Plant Original Cost	A331	Struct & Improve WT	A3043	Struct & Improve WT
ASSC76	101000	304321	Struct & Imp WT MA	801	Utility Plant Original Cost	A331	Struct & Improve WT	A3043	Struct & Improve WT
ASSC76	101000	304322	Struct & Imp WT MA	801	Utility Plant Original Cost	A331	Struct & Improve WT	A3043	Struct & Improve WT
ASSC76	101000	304323	Struct & Imp WT MA	801	Utility Plant Original Cost	A331	Struct & Improve WT	A3043	Struct & Improve WT
ASSC76	101000	304324	Struct & Imp WT MA	801	Utility Plant Original Cost	A331	Struct & Improve WT	A3043	Struct & Improve WT
ASSC76	101000	304330	Struct & Imp WT Ctrl Plt	801	Utility Plant Original Cost	A331	Struct & Improve WT	A3043	Struct & Improve WT
ASSC76	101000	304340	Struct & Imp WT Ctrl Plt	801	Utility Plant Original Cost	A331	Struct & Improve WT	A3043	Struct & Improve WT
ASSC76	101000	304350	Struct & Imp WT Sth Plt (	801	Utility Plant Original Cost	A331	Struct & Improve WT	A3043	Struct & Improve WT
ASSC76	101000	304360	Struct & Imp WT Meramec (	801	Utility Plant Original Cost	A331	Struct & Improve WT	A3043	Struct & Improve WT
ASSC76	101000	304390	Struct & Imp WT Mix & Set	801	Utility Plant Original Cost	A331	Struct & Improve WT	A3043	Struct & Improve WT
ASSC76	101000	304391	Struct & Imp WT Pur Bldg	801	Utility Plant Original Cost	A331	Struct & Improve WT	A3043	Struct & Improve WT
ASSC76	101000	304392	Struct & Imp WT Wsh Wtr T	801	Utility Plant Original Cost	A331	Struct & Improve WT	A3043	Struct & Improve WT
ASSC76	101000	304400	Struct & Imp TD	801	Utility Plant Original Cost	A341	Struct & Improve TD	A3044	Struct & Improve TD
ASSC76	101000	304410	Struct & Imp TD Spec Cros	801	Utility Plant Original Cost	A341	Struct & Improve TD	A3044	Struct & Improve TD
ASSC76	101000	304500	Struct & Imp AG	801	Utility Plant Original Cost	A390	Struct & Improve AG	A3045	Struct & Improve AG
ASSC76	101000	304510	Struct & Imp AG Cap Lease	801	Utility Plant Original Cost	A390	Struct & Improve AG	A3045	Struct & Improve AG
ASSC76	101000	304515	Struct & Imp AG Wood	801	Utility Plant Original Cost	A390	Struct & Improve AG	A3045	Struct & Improve AG
ASSC76	101000	304520	Struct & Imp AG Masonry	801	Utility Plant Original Cost	A390	Struct & Improve AG	A3045	Struct & Improve AG
ASSC76	101000	304600	Struct & Imp Offices	801	Utility Plant Original Cost	A390	Struct & Improve AG	A3045	Struct & Improve AG
ASSC76	101000	304610	Gen Structures - HVAC	801	Utility Plant Original Cost	A390	Struct & Improve AG	A3045	Struct & Improve AG
ASSC76	101000	304620	Struct & Imp Leasehold	801	Utility Plant Original Cost	A390	Struct & Improve AG	A3045	Struct & Improve AG

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GMMCU	GMOBJ	GMSUB	GMDL01	GMR004	GMR00401	GMR021	GMR02101	GMR022	GMR02201
ASSC76	101000	304621	Struct & Imp Leasehold	801	Utility Plant Original Cost	A390	Struct & Improve AG	A3045	Struct & Improve AG
ASSC76	101000	304700	Struct & Imp Store,Shop,G	801	Utility Plant Original Cost	A390	Struct & Improve AG	A3045	Struct & Improve AG
ASSC76	101000	304800	Struct & Imp Misc	801	Utility Plant Original Cost	A390	Struct & Improve AG	A3045	Struct & Improve AG
ASSC76	101000	305000	Collect & Impounding	801	Utility Plant Original Cost	A312	Collecting & Impounding	A3052	Collecting & Impounding
ASSC76	101000	306000	Lake, River & Other Intak	801	Utility Plant Original Cost	A313	Lake, River & Other Intak	A3062	Lake, River & Other Intak
ASSC76	101000	306001	Intakes Leased	801	Utility Plant Original Cost	A313	Lake, River & Other Intak	A3062	Lake, River & Other Intak
ASSC76	101000	307000	Wells & Springs	801	Utility Plant Original Cost	A314	Wells & Springs	A3072	Wells & Springs
ASSC76	101000	307001	Wells & Springs MA	801	Utility Plant Original Cost	A314	Wells & Springs	A3072	Wells & Springs
ASSC76	101000	307002	Wells & Springs MA	801	Utility Plant Original Cost	A314	Wells & Springs	A3072	Wells & Springs
ASSC76	101000	307003	Wells & Springs MA	801	Utility Plant Original Cost	A314	Wells & Springs	A3072	Wells & Springs
ASSC76	101000	307004	Wells & Springs MA	801	Utility Plant Original Cost	A314	Wells & Springs	A3072	Wells & Springs
ASSC76	101000	307005	Wells & Springs MA	801	Utility Plant Original Cost	A314	Wells & Springs	A3072	Wells & Springs
ASSC76	101000	307006	Wells & Springs MA	801	Utility Plant Original Cost	A314	Wells & Springs	A3072	Wells & Springs
ASSC76	101000	307007	Wells & Springs MA	801	Utility Plant Original Cost	A314	Wells & Springs	A3072	Wells & Springs
ASSC76	101000	307008	Wells & Springs MA	801	Utility Plant Original Cost	A314	Wells & Springs	A3072	Wells & Springs
ASSC76	101000	307010	Wells & Springs MA	801	Utility Plant Original Cost	A314	Wells & Springs	A3072	Wells & Springs
ASSC76	101000	307011	Wells & Springs MA	801	Utility Plant Original Cost	A314	Wells & Springs	A3072	Wells & Springs
ASSC76	101000	307012	Wells & Springs MA	801	Utility Plant Original Cost	A314	Wells & Springs	A3072	Wells & Springs
ASSC76	101000	307013	Wells & Springs MA	801	Utility Plant Original Cost	A314	Wells & Springs	A3072	Wells & Springs
ASSC76	101000	307014	Wells & Springs MA	801	Utility Plant Original Cost	A314	Wells & Springs	A3072	Wells & Springs
ASSC76	101000	307016	Wells & Springs MA	801	Utility Plant Original Cost	A314	Wells & Springs	A3072	Wells & Springs
ASSC76	101000	307200	Wells Only (LI)	801	Utility Plant Original Cost	A314	Wells & Springs	A3072	Wells & Springs
ASSC76	101000	308000	Infiltration Galleries &	801	Utility Plant Original Cost	A315	Infilt Galleries & Tunnel	A3082	Infiltration Galleries &
ASSC76	101000	309000	Supply Mains	801	Utility Plant Original Cost	A316	Supply Mains	A3092	Supply Mains
ASSC76	101000	309100	Supply Mains Nth Plt (STL	801	Utility Plant Original Cost	A316	Supply Mains	A3092	Supply Mains
ASSC76	101000	309200	Supply Mains Ctrl Plt (ST	801	Utility Plant Original Cost	A316	Supply Mains	A3092	Supply Mains
ASSC76	101000	309300	Supply Mains Sth Plt (STL	801	Utility Plant Original Cost	A316	Supply Mains	A3092	Supply Mains
ASSC76	101000	309400	Supply Mains Meramec Plt	801	Utility Plant Original Cost	A316	Supply Mains	A3092	Supply Mains
ASSC76	101000	310000	Power Generation Equip	801	Utility Plant Original Cost	A323	Other Power Prod Equip	A3102	Power Generation Equip
ASSC76	101000	310100	Power Generation Equip Ot	801	Utility Plant Original Cost	A323	Other Power Prod Equip	A3102	Power Generation Equip
ASSC76	101000	310200	Boiler Plant Equipment P	801	Utility Plant Original Cost	A322	Boiler Plant Equip	A3112	Pumping Equipment SS
ASSC76	101000	311100	Pump Equip Steam	801	Utility Plant Original Cost	A324	Steam Pump Equip	A3112	Pumping Equipment SS
ASSC76	101000	311200	Pump Equip Electric	801	Utility Plant Original Cost	A325	Electric Pump Equip	A3112	Pumping Equipment SS
ASSC76	101000	311210	Pump Equip Elec Pre46 (ST	801	Utility Plant Original Cost	A325	Electric Pump Equip	A3112	Pumping Equipment SS
ASSC76	101000	311220	Pump Equip Elec Post46 (S	801	Utility Plant Original Cost	A325	Electric Pump Equip	A3112	Pumping Equipment SS
ASSC76	101000	311230	Pump Equip Elec Boosters	801	Utility Plant Original Cost	A325	Electric Pump Equip	A3112	Pumping Equipment SS
ASSC76	101000	311250	Pump Equip Electric TD	801	Utility Plant Original Cost	A325	Electric Pump Equip	A3114	Pumping Equipment TD
ASSC76	101000	311260	Pump Equip Elec TD <=5HP	801	Utility Plant Original Cost	A325	Electric Pump Equip	A3114	Pumping Equipment TD
ASSC76	101000	311270	Pump Equip Elec TD >5HP	801	Utility Plant Original Cost	A325	Electric Pump Equip	A3114	Pumping Equipment TD
ASSC76	101000	311300	Pump Equip Diesel	801	Utility Plant Original Cost	A326	Diesel Pump Equip	A3112	Pumping Equipment SS
ASSC76	101000	311310	Pump Equip Diesel Stratma	801	Utility Plant Original Cost	A326	Diesel Pump Equip	A3112	Pumping Equipment SS
ASSC76	101000	311320	Pump Equip Diesel Ctrl Pl	801	Utility Plant Original Cost	A326	Diesel Pump Equip	A3112	Pumping Equipment SS
ASSC76	101000	311350	Pump Equip Diesel TD	801	Utility Plant Original Cost	A326	Diesel Pump Equip	A3114	Pumping Equipment TD
ASSC76	101000	311400	Pump Equip Hydraulic	801	Utility Plant Original Cost	A327	Hydraulic Pump Equip	A3112	Pumping Equipment SS
ASSC76	101000	311500	Pump Equip Other	801	Utility Plant Original Cost	A328	Other Pump Equip	A3112	Pumping Equipment SS
ASSC76	101000	311501	Pump Equip Other MA	801	Utility Plant Original Cost	A328	Other Pump Equip	A3112	Pumping Equipment SS
ASSC76	101000	311502	Pump Equip Other MA	801	Utility Plant Original Cost	A328	Other Pump Equip	A3112	Pumping Equipment SS
ASSC76	101000	311503	Pump Equip Other MA	801	Utility Plant Original Cost	A328	Other Pump Equip	A3112	Pumping Equipment SS
ASSC76	101000	311504	Pump Equip Other MA	801	Utility Plant Original Cost	A328	Other Pump Equip	A3112	Pumping Equipment SS
ASSC76	101000	311507	Pump Equip Other MA	801	Utility Plant Original Cost	A328	Other Pump Equip	A3112	Pumping Equipment SS
ASSC76	101000	311508	Pump Equip Other MA	801	Utility Plant Original Cost	A328	Other Pump Equip	A3112	Pumping Equipment SS
ASSC76	101000	311509	Pump Equip Other MA	801	Utility Plant Original Cost	A328	Other Pump Equip	A3112	Pumping Equipment SS
ASSC76	101000	311510	Pump Equip Other MA	801	Utility Plant Original Cost	A328	Other Pump Equip	A3112	Pumping Equipment SS
ASSC76	101000	311511	Pump Equip Other MA	801	Utility Plant Original Cost	A328	Other Pump Equip	A3112	Pumping Equipment SS
ASSC76	101000	311512	Pump Equip Other MA	801	Utility Plant Original Cost	A328	Other Pump Equip	A3112	Pumping Equipment SS
ASSC76	101000	311513	Pump Equip Other MA	801	Utility Plant Original Cost	A328	Other Pump Equip	A3112	Pumping Equipment SS
ASSC76	101000	311514	Pump Equip Other MA	801	Utility Plant Original Cost	A328	Other Pump Equip	A3112	Pumping Equipment SS
ASSC76	101000	311515	Pump Equip Other MA	801	Utility Plant Original Cost	A328	Other Pump Equip	A3112	Pumping Equipment SS
ASSC76	101000	311516	Pump Equip Other MA	801	Utility Plant Original Cost	A328	Other Pump Equip	A3112	Pumping Equipment SS

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GMMCU	GMOBJ	GMSUB	GMDL01	GMR004	GMR00401	GMR021	GMR02101	GMR022	GMR02201
ASSC76	101000	311520	Pumping Equipment SS	801	Utility Plant Original Cost	A328	Other Pump Equip	A3113	Pumping Equipment WT
ASSC76	101000	311530	Pumping Equipment WT	801	Utility Plant Original Cost	A328	Other Pump Equip	A3113	Pumping Equipment WT
ASSC76	101000	311540	Pumping Equipment TD	801	Utility Plant Original Cost	A328	Other Pump Equip	A3114	Pumping Equipment TD
ASSC76	101000	311550	Pump Equip Other TD	801	Utility Plant Original Cost	A328	Other Pump Equip	A3114	Pumping Equipment TD
ASSC76	101000	320100	WT Equip Non-Media	801	Utility Plant Original Cost	A332	Water Treatment Equip	A3203	Water Treatment Equipment
ASSC76	101000	320110	WT Equip Purification (LI	801	Utility Plant Original Cost	A332	Water Treatment Equip	A3203	Water Treatment Equipment
ASSC76	101000	320120	WT Equip Non-Med North (S	801	Utility Plant Original Cost	A332	Water Treatment Equip	A3203	Water Treatment Equipment
ASSC76	101000	320130	WT Equip Non Media Ctrl 1	801	Utility Plant Original Cost	A332	Water Treatment Equip	A3203	Water Treatment Equipment
ASSC76	101000	320140	WT Equip Non Media Ctrl 3	801	Utility Plant Original Cost	A332	Water Treatment Equip	A3203	Water Treatment Equipment
ASSC76	101000	320150	WT Equip Non Media Sth (S	801	Utility Plant Original Cost	A332	Water Treatment Equip	A3203	Water Treatment Equipment
ASSC76	101000	320160	WT Equip Non Media Mer (S	801	Utility Plant Original Cost	A332	Water Treatment Equip	A3203	Water Treatment Equipment
ASSC76	101000	320190	WT Equip Set Basin, Clear	801	Utility Plant Original Cost	A332	Water Treatment Equip	A3203	Water Treatment Equipment
ASSC76	101000	320191	WT Equip Filter Plant Pip	801	Utility Plant Original Cost	A332	Water Treatment Equip	A3203	Water Treatment Equipment
ASSC76	101000	320192	WT Equip Wash Water Tank	801	Utility Plant Original Cost	A332	Water Treatment Equip	A3203	Water Treatment Equipment
ASSC76	101000	320193	WT Equip Chemical Feed (I	801	Utility Plant Original Cost	A332	Water Treatment Equip	A3203	Water Treatment Equipment
ASSC76	101000	320200	WT Equip Filter Media	801	Utility Plant Original Cost	A332	Water Treatment Equip	A3203	Water Treatment Equipment
ASSC76	101000	320400	WT Equip Waste Handling (	801	Utility Plant Original Cost	A332	Water Treatment Equip	A3203	Water Treatment Equipment
ASSC76	101000	320500	WT Equip Pur Sys Lg (PA)	801	Utility Plant Original Cost	A332	Water Treatment Equip	A3203	Water Treatment Equipment
ASSC76	101000	320502	WT Equip Pur Sys Lg Repai	801	Utility Plant Original Cost	A332	Water Treatment Equip	A3203	Water Treatment Equipment
ASSC76	101000	330000	Dist Reservoirs & Standpi	801	Utility Plant Original Cost	A342	Dist Reservoirs & Standpi	A3304	Dist Reservoirs & Standpi
ASSC76	101000	330002	Dist Res & Stand Orig Pai	801	Utility Plant Original Cost	A342	Dist Reservoirs & Standpi	A3304	Dist Reservoirs & Standpi
ASSC76	101000	330003	Dist Res & Stand Orig Rep	801	Utility Plant Original Cost	A342	Dist Reservoirs & Standpi	A3304	Dist Reservoirs & Standpi
ASSC76	101000	330020	Dist Res & Stand MA	801	Utility Plant Original Cost	A342	Dist Reservoirs & Standpi	A3304	Dist Reservoirs & Standpi
ASSC76	101000	330021	Dist Res & Stand MA	801	Utility Plant Original Cost	A342	Dist Reservoirs & Standpi	A3304	Dist Reservoirs & Standpi
ASSC76	101000	330022	Dist Res & Stand MA	801	Utility Plant Original Cost	A342	Dist Reservoirs & Standpi	A3304	Dist Reservoirs & Standpi
ASSC76	101000	330023	Dist Res & Stand MA	801	Utility Plant Original Cost	A342	Dist Reservoirs & Standpi	A3304	Dist Reservoirs & Standpi
ASSC76	101000	330024	Dist Res & Stand MA	801	Utility Plant Original Cost	A342	Dist Reservoirs & Standpi	A3304	Dist Reservoirs & Standpi
ASSC76	101000	330100	Elevated Tanks & Standpip	801	Utility Plant Original Cost	A342	Dist Reservoirs & Standpi	A3304	Dist Reservoirs & Standpi
ASSC76	101000	330200	Ground Level Facilities	801	Utility Plant Original Cost	A342	Dist Reservoirs & Standpi	A3304	Dist Reservoirs & Standpi
ASSC76	101000	330300	Below Grade Facilities	801	Utility Plant Original Cost	A342	Dist Reservoirs & Standpi	A3304	Dist Reservoirs & Standpi
ASSC76	101000	330400	Clearwell	801	Utility Plant Original Cost	A342	Dist Reservoirs & Standpi	A3304	Dist Reservoirs & Standpi
ASSC76	101000	331001	TD Mains Not Classified b	801	Utility Plant Original Cost	A343	TD Mains	A3314	TD Mains
ASSC76	101000	331002	TD Mains (CT)	801	Utility Plant Original Cost	A343	TD Mains	A3314	TD Mains
ASSC76	101000	331003	TD Mains Paving (LI)	801	Utility Plant Original Cost	A343	TD Mains	A3314	TD Mains
ASSC76	101000	331100	TD Mains 4in & Less	801	Utility Plant Original Cost	A343	TD Mains	A3314	TD Mains
ASSC76	101000	331101	TD Mains 4in & Less Nth (	801	Utility Plant Original Cost	A343	TD Mains	A3314	TD Mains
ASSC76	101000	331200	TD Mains 6in to 8in	801	Utility Plant Original Cost	A343	TD Mains	A3314	TD Mains
ASSC76	101000	331210	TD Mains 6in to 10in (TN)	801	Utility Plant Original Cost	A343	TD Mains	A3314	TD Mains
ASSC76	101000	331230	TD Mains 6in & Grtr (LI)	801	Utility Plant Original Cost	A343	TD Mains	A3314	TD Mains
ASSC76	101000	331300	TD Mains 10in to 16in	801	Utility Plant Original Cost	A343	TD Mains	A3314	TD Mains
ASSC76	101000	331350	TD Mains 12in & Grtr (TN)	801	Utility Plant Original Cost	A343	TD Mains	A3314	TD Mains
ASSC76	101000	331400	TD Mains 18in & Grtr	801	Utility Plant Original Cost	A343	TD Mains	A3314	TD Mains
ASSC76	101000	331500	TD Mains Bridgeport (CN)	801	Utility Plant Original Cost	A343	TD Mains	A3314	TD Mains
ASSC76	101000	331601	TD Mains AC 4in (STL)	801	Utility Plant Original Cost	A343	TD Mains	A3314	TD Mains
ASSC76	101000	331602	TD Mains CI <10in 1900-28	801	Utility Plant Original Cost	A343	TD Mains	A3314	TD Mains
ASSC76	101000	331603	TD Mains CI <10in 1929-56	801	Utility Plant Original Cost	A343	TD Mains	A3314	TD Mains
ASSC76	101000	331604	TD Mains CI <10in 1957-93	801	Utility Plant Original Cost	A343	TD Mains	A3314	TD Mains
ASSC76	101000	331605	TD Mains CI 12in (STL)	801	Utility Plant Original Cost	A343	TD Mains	A3314	TD Mains
ASSC76	101000	331606	TD Mains CI 16in (STL)	801	Utility Plant Original Cost	A343	TD Mains	A3314	TD Mains
ASSC76	101000	331607	TD Mains DI 6in (STL)	801	Utility Plant Original Cost	A343	TD Mains	A3314	TD Mains
ASSC76	101000	331608	TD Mains DI 12in (STL)	801	Utility Plant Original Cost	A343	TD Mains	A3314	TD Mains
ASSC76	101000	331609	TD Mains DI 16in (STL)	801	Utility Plant Original Cost	A343	TD Mains	A3314	TD Mains
ASSC76	101000	331610	TD Mains Galve 1in (STL)	801	Utility Plant Original Cost	A343	TD Mains	A3314	TD Mains
ASSC76	101000	331611	TD Mains LJ 20in (STL)	801	Utility Plant Original Cost	A343	TD Mains	A3314	TD Mains
ASSC76	101000	331612	TD Main PL 6-8in (STL)	801	Utility Plant Original Cost	A343	TD Mains	A3314	TD Mains
ASSC76	101000	331613	TD Main PL 12in (STL)	801	Utility Plant Original Cost	A343	TD Mains	A3314	TD Mains
ASSC76	101000	331614	TD Main DI 4in (STL)	801	Utility Plant Original Cost	A343	TD Mains	A3314	TD Mains
ASSC76	101000	331615	TD Mains DI 24in	801	Utility Plant Original Cost	A343	TD Mains	A3314	TD Mains
ASSC76	101000	331616	TD Main DI 10in (STL)	801	Utility Plant Original Cost	A343	TD Mains	A3314	TD Mains

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GMMCU	GMOBJ	GMSUB	GMDL01	GMR004	GMR00401	GMR021	GMR02101	GMR022	GMR02201
ASSC76	101000	332000	Fire Mains	801	Utility Plant Original Cost	A344	Fire Mains	A3314	TD Mains
ASSC76	101000	333000	Services	801	Utility Plant Original Cost	A345	Services	A3334	Services
ASSC76	101000	334100	Meters	801	Utility Plant Original Cost	A346	Meters	A3344	Meters & Meter Installati
ASSC76	101000	334110	Meters Bronze Case	801	Utility Plant Original Cost	A346	Meters	A3344	Meters & Meter Installati
ASSC76	101000	334120	Meters Plastic Case	801	Utility Plant Original Cost	A346	Meters	A3344	Meters & Meter Installati
ASSC76	101000	334130	Meters Other	801	Utility Plant Original Cost	A346	Meters	A3344	Meters & Meter Installati
ASSC76	101000	334131	Meters Other-Rem Rdr Unts	801	Utility Plant Original Cost	A346	Meters	A3344	Meters & Meter Installati
ASSC76	101000	334200	Meter Installations	801	Utility Plant Original Cost	A347	Meter Installations	A3344	Meters & Meter Installati
ASSC76	101000	334201	Meter Installation Other	801	Utility Plant Original Cost	A347	Meter Installations	A3344	Meters & Meter Installati
ASSC76	101000	334300	Meter Vaults	801	Utility Plant Original Cost	A346	Meters	A3344	Meters & Meter Installati
ASSC76	101000	335000	Hydrants	801	Utility Plant Original Cost	A348	Hydrants	A3354	Hydrants
ASSC76	101000	336000	Backflow Prevention Devic	801	Utility Plant Original Cost	A345	Services	A3364	Backflow Prevention Devic
ASSC76	101000	339100	Other P/E Intangible	801	Utility Plant Original Cost	A303	Misc Intangible Plant	A3391	Other Plant & Equip Intan
ASSC76	101000	339200	Other P/E SS	801	Utility Plant Original Cost	A317	Other Water Source Plant	A3392	Other Plant & Equip SS
ASSC76	101000	339300	Other P/E WT	801	Utility Plant Original Cost	A332	Water Treatment Equip	A3393	Other Plant & Equip WT
ASSC76	101000	339400	Other P/E WT Res Hand Equ	801	Utility Plant Original Cost	A332	Water Treatment Equip	A3393	Other Plant & Equip WT
ASSC76	101000	339500	Other P/E TD	801	Utility Plant Original Cost	A349	Other TD Plant	A3394	Other Plant & Equip TD
ASSC76	101000	339600	Other P/E CPS	801	Utility Plant Original Cost	A303	Misc Intangible Plant	A3391	Other Plant & Equip Intan
ASSC76	101000	340100	Office Furniture & Equip	801	Utility Plant Original Cost	A391	Office Furniture & Equip	A3405	Office Furniture & Equip
ASSC76	101000	340200	Comp & Periph Equip	801	Utility Plant Original Cost	A391	Office Furniture & Equip	A3405	Office Furniture & Equip
ASSC76	101000	340210	Comp & Periph Mainframe	801	Utility Plant Original Cost	A391	Office Furniture & Equip	A3405	Office Furniture & Equip
ASSC76	101000	340220	Comp & Periph Personal	801	Utility Plant Original Cost	A391	Office Furniture & Equip	A3405	Office Furniture & Equip
ASSC76	101000	340230	Comp & Periph Other	801	Utility Plant Original Cost	A391	Office Furniture & Equip	A3405	Office Furniture & Equip
ASSC76	101000	340240	Comp & Periph Capital Lea	801	Utility Plant Original Cost	A391	Office Furniture & Equip	A3405	Office Furniture & Equip
ASSC76	101000	340300	Computer Software	801	Utility Plant Original Cost	A391	Office Furniture & Equip	A3405	Office Furniture & Equip
ASSC76	101000	340310	Comp Software Mainframe	801	Utility Plant Original Cost	A391	Office Furniture & Equip	A3405	Office Furniture & Equip
ASSC76	101000	340315	Comp Software Special Dep	801	Utility Plant Original Cost	A391	Office Furniture & Equip	A3405	Office Furniture & Equip
ASSC76	101000	340320	Comp Software Personal	801	Utility Plant Original Cost	A391	Office Furniture & Equip	A3405	Office Furniture & Equip
ASSC76	101000	340325	Comp Software Customized	801	Utility Plant Original Cost	A391	Office Furniture & Equip	A3405	Office Furniture & Equip
ASSC76	101000	340330	Comp Software Other	801	Utility Plant Original Cost	A391	Office Furniture & Equip	A3405	Office Furniture & Equip
ASSC76	101000	340400	Data Handling Equipment	801	Utility Plant Original Cost	A391	Office Furniture & Equip	A3405	Office Furniture & Equip
ASSC76	101000	340500	Other Office Equipment	801	Utility Plant Original Cost	A391	Office Furniture & Equip	A3405	Office Furniture & Equip
ASSC76	101000	340501	Other Off Equip MA	801	Utility Plant Original Cost	A391	Office Furniture & Equip	A3405	Office Furniture & Equip
ASSC76	101000	341001	Trans Equip Not Classifie	801	Utility Plant Original Cost	A392	Transportation Equip	A3415	Transportation Equip
ASSC76	101000	341100	Trans Equip Lt Duty Trks	801	Utility Plant Original Cost	A392	Transportation Equip	A3415	Transportation Equip
ASSC76	101000	341200	Trans Equip Hvy Duty Trks	801	Utility Plant Original Cost	A392	Transportation Equip	A3415	Transportation Equip
ASSC76	101000	341300	Trans Equip Autos	801	Utility Plant Original Cost	A392	Transportation Equip	A3415	Transportation Equip
ASSC76	101000	341400	Trans Equip Other	801	Utility Plant Original Cost	A392	Transportation Equip	A3415	Transportation Equip
ASSC76	101000	342000	Stores Equipment	801	Utility Plant Original Cost	A393	Stores Equipment	A3425	Stores Equipment
ASSC76	101000	343000	Tools,Shop,Garage Equip	801	Utility Plant Original Cost	A394	Tools, Shop, Garage Equip	A3435	Tools, Shop, Garage Equip
ASSC76	101000	343100	Tools,Shop,Garage Equip O	801	Utility Plant Original Cost	A394	Tools, Shop, Garage Equip	A3435	Tools, Shop, Garage Equip
ASSC76	101000	344000	Laboratory Equipment	801	Utility Plant Original Cost	A395	Laboratory Equipment	A3445	Laboratory Equipment
ASSC76	101000	344100	Laboratory Equip Other	801	Utility Plant Original Cost	A395	Laboratory Equipment	A3445	Laboratory Equipment
ASSC76	101000	345000	Power Operated Equipment	801	Utility Plant Original Cost	A396	Power Oper Equipment	A3455	Power Operated Equip
ASSC76	101000	345100	Power Oper Equip Other	801	Utility Plant Original Cost	A396	Power Oper Equipment	A3455	Power Operated Equip
ASSC76	101000	346000	Comm Equip Not Classified	801	Utility Plant Original Cost	A397	Communication Equip	A3465	Communication Equip
ASSC76	101000	346100	Comm Equip Non-Telephone	801	Utility Plant Original Cost	A397	Communication Equip	A3465	Communication Equip
ASSC76	101000	346190	Remote Control & Instrume	801	Utility Plant Original Cost	A397	Communication Equip	A3465	Communication Equip
ASSC76	101000	346200	Comm Equip Telephone	801	Utility Plant Original Cost	A397	Communication Equip	A3465	Communication Equip
ASSC76	101000	346300	Comm Equip Other	801	Utility Plant Original Cost	A397	Communication Equip	A3465	Communication Equip
ASSC76	101000	347000	Misc Equipment	801	Utility Plant Original Cost	A398	Misc Equipment	A3475	Miscellaneous Equip
ASSC76	101000	348000	Other Tangible Property	801	Utility Plant Original Cost	A399	Other Tangible Property	A3485	Other Tangible Plant
ASSC76	101000	351000	WW Organization	801	Utility Plant Original Cost	A301	Organization	A3511	WW Organization
ASSC76	101000	352000	WW Franchises	801	Utility Plant Original Cost	A302	Franchises & Consents	A3521	WW Franchises
ASSC76	101000	352200	WW Other Intangible Plt	801	Utility Plant Original Cost	A303	Misc Intangible Plant	A3521	WW Franchises
ASSC76	101000	353200	WW Land & Ld Rights Coll	801	Utility Plant Original Cost	A350	WW Land & Ld Rights Coll	A3532	WW Land & Ld Rights Coll
ASSC76	101000	353300	WW Land & Ld Rights SPP	801	Utility Plant Original Cost	A360	WW Land & Ld Rights SPP	A3533	WW Land & Ld Rights SPP
ASSC76	101000	353400	WW Land & Ld Rights TDP	801	Utility Plant Original Cost	A370	WW Land & Ld Rights TDP	A3534	WW Land & Ld Rights TDP
ASSC76	101000	353500	WW Land & Ld Rights Gen	801	Utility Plant Original Cost	A389	Land & Land Rights AG	A3537	WW Land & Ld Rights Gen

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GMMCU	GMOBJ	GMSUB	GMDL01	GMR004	GMR00401	GMR021	GMR02101	GMR022	GMR02201
ASSC76	101000	354200	WW Struct & Imp Coll	801	Utility Plant Original Cost	A351	WW Struct & Imp Coll	A3542	WW Struct & Imp Coll
ASSC76	101000	354300	WW Struct & Imp SPP	801	Utility Plant Original Cost	A361	WW Struct & Imp SPP	A3543	WW Struct & Imp SPP
ASSC76	101000	354400	WW Struct & Imp TDP	801	Utility Plant Original Cost	A371	WW Struct & Imp TDP	A3544	WW Struct & Imp TDP
ASSC76	101000	354500	WW Struct & Imp Gen	801	Utility Plant Original Cost	A390	Struct & Improve AG	A3547	WW Struct & Imp Gen
ASSC76	101000	354510	WW Struct & Imp Gen Lease	801	Utility Plant Original Cost	A390	Struct & Improve AG	A3547	WW Struct & Imp Gen
ASSC76	101000	354515	WW Struct & Imp AG Wood	801	Utility Plant Original Cost	A390	Struct & Improve AG	A3547	WW Struct & Imp Gen
ASSC76	101000	354520	WW Struct & Imp AG Masonr	801	Utility Plant Original Cost	A390	Struct & Improve AG	A3547	WW Struct & Imp Gen
ASSC76	101000	354530	WW Struct & Imp AG Fencin	801	Utility Plant Original Cost	A390	Struct & Improve AG	A3547	WW Struct & Imp Gen
ASSC76	101000	355200	WW Pwr Gen Equip Coll	801	Utility Plant Original Cost	A356	WW Other Equip Coll	A3552	WW Pwr Gen Equip Coll
ASSC76	101000	355300	WW Pwr Gen Equip SPP	801	Utility Plant Original Cost	A363	WW Elec Pump Equip SPP	A3553	WW Pwr Gen Equip SPP
ASSC76	101000	355400	WW Pwr Gen Equip TDP	801	Utility Plant Original Cost	A372	WW TD Equipment	A3554	WW Pwr Gen Equip TDP
ASSC76	101000	355500	WW Pwr Gen Equip RWTP	801	Utility Plant Original Cost	A372	WW TD Equipment	A3555	WW Pwr Gen Equip RWTP
ASSC76	101000	355600	WW Pwr Gen Equip RWDP	801	Utility Plant Original Cost	A372	WW TD Equipment	A3556	WW Pwr Gen Equip RWDP
ASSC76	101000	360000	WW Collection Sewers Forc	801	Utility Plant Original Cost	A3521	WW Collection Sewers Forc	A3602	WW Collection Sewers Forc
ASSC76	101000	361100	WW Collecting Mains	801	Utility Plant Original Cost	A352	WW Collecting Mains	A3612	WW Collection Sewers Grav
ASSC76	101000	361101	WW Collecting Mains Other	801	Utility Plant Original Cost	A352	WW Collecting Mains	A3612	WW Collection Sewers Grav
ASSC76	101000	362000	WW Special Coll Struct	801	Utility Plant Original Cost	A3523	WW Special Coll Struct	A3622	WW Special Coll Struct
ASSC76	101000	363000	WW Services Sewer	801	Utility Plant Original Cost	A353	WW Services Sewer	A3632	WW Services Sewer
ASSC76	101000	364000	WW Flow Measuring Devices	801	Utility Plant Original Cost	A354	WW Flow Measuring Devices	A3642	WW Flow Measuring Devices
ASSC76	101000	365000	WW Flow Measuring Install	801	Utility Plant Original Cost	A355	WW Flow Measuring Install	A3652	WW Flow Measuring Install
ASSC76	101000	370000	WW Receiving Wells	801	Utility Plant Original Cost	A362	WW Receiving Wells	A3703	WW Receiving Wells
ASSC76	101000	371100	WW Pump Equip Elect	801	Utility Plant Original Cost	A363	WW Elec Pump Equip SPP	A3713	WW Pumping Equipment
ASSC76	101000	371160	WW Pump Eq Elec <+5HP	801	Utility Plant Original Cost	A363	WW Elec Pump Equip SPP	A3713	WW Pumping Equipment
ASSC76	101000	371170	WW Pump Eq Elec >5HP	801	Utility Plant Original Cost	A365	WW Other Pump Equip SPP	A3713	WW Pumping Equipment
ASSC76	101000	371200	WW Pump Equip Oth Pwr	801	Utility Plant Original Cost	A365	WW Other Pump Equip SPP	A3713	WW Pumping Equipment
ASSC76	101000	371300	WW Pump Equip Misc	801	Utility Plant Original Cost	A365	WW Other Pump Equip SPP	A3713	WW Pumping Equipment
ASSC76	101000	380000	WW TD Equipment	801	Utility Plant Original Cost	A372	WW TD Equipment	A3804	WW TD Equipment
ASSC76	101000	380050	WW TD Equip Grit Removal	801	Utility Plant Original Cost	A372	WW TD Equipment	A3804	WW TD Equipment
ASSC76	101000	380100	WW TD Equip Sed Tanks/Acc	801	Utility Plant Original Cost	A372	WW TD Equipment	A3804	WW TD Equipment
ASSC76	101000	380200	WW TD Equip Sldge/Effl Rm	801	Utility Plant Original Cost	A372	WW TD Equipment	A3804	WW TD Equipment
ASSC76	101000	380250	WW TD Equip Sldge Dig Tnk	801	Utility Plant Original Cost	A372	WW TD Equipment	A3804	WW TD Equipment
ASSC76	101000	380300	WW TD Equip Sldge Dry/Fil	801	Utility Plant Original Cost	A372	WW TD Equipment	A3804	WW TD Equipment
ASSC76	101000	380350	WW TD Equip Sec Trmt Filt	801	Utility Plant Original Cost	A372	WW TD Equipment	A3804	WW TD Equipment
ASSC76	101000	380400	WW TD Equip Aux Effl Trmt	801	Utility Plant Original Cost	A372	WW TD Equipment	A3804	WW TD Equipment
ASSC76	101000	380450	WW TD Equip Oth Sew Rem	801	Utility Plant Original Cost	A372	WW TD Equipment	A3804	WW TD Equipment
ASSC76	101000	380500	WW TD Equip Chem Trmt Plt	801	Utility Plant Original Cost	A372	WW TD Equipment	A3804	WW TD Equipment
ASSC76	101000	380600	WW TD Equip Oth Disp	801	Utility Plant Original Cost	A372	WW TD Equipment	A3804	WW TD Equipment
ASSC76	101000	380625	WW TD Equip Gen Trmt	801	Utility Plant Original Cost	A372	WW TD Equipment	A3804	WW TD Equipment
ASSC76	101000	380650	WW TD Equip Influent Lift	801	Utility Plant Original Cost	A372	WW TD Equipment	A3804	WW TD Equipment
ASSC76	101000	381000	WW Plant Sewers	801	Utility Plant Original Cost	A373	WW Plant Sewers	A3814	WW Plant Sewers
ASSC76	101000	382000	WW Outfall Sewer Lines	801	Utility Plant Original Cost	A374	WW Outfall Sewer Lines	A3824	WW Outfall Sewer Lines
ASSC76	101000	389100	WW Oth Plt & Misc Equip I	801	Utility Plant Original Cost	A303	Misc Intangible Plant	A3891	WW Oth Plt&Misc Eq Intang
ASSC76	101000	389200	WW Oth Plt & Misc Equip C	801	Utility Plant Original Cost	A356	WW Other Equip Coll	A3892	WW Oth Plt&Misc Eq Coll
ASSC76	101000	389300	WW Oth Plt & Misc Equip S	801	Utility Plant Original Cost	A365	WW Other Pump Equip SPP	A3893	WW Oth Plt&Misc Eq SPP
ASSC76	101000	389400	WW Oth Plt & Misc Equip T	801	Utility Plant Original Cost	A375	WW Other TD Equip	A3894	WW Oth Plt&Misc Eq TDP
ASSC76	101000	389600	WW Other P/E-CPS	801	Utility Plant Original Cost	A303	Misc Intangible Plant	A3891	WW Oth Plt&Misc Eq Intang
ASSC76	101000	390000	WW Office Furniture & Equ	801	Utility Plant Original Cost	A391	Office Furniture & Equip	A3907	WW Office Furniture & Equ
ASSC76	101000	390200	WW Computers & Peripheral	801	Utility Plant Original Cost	A391	Office Furniture & Equip	A3907	WW Office Furniture & Equ
ASSC76	101000	390300	WW Computer Software	801	Utility Plant Original Cost	A391	Office Furniture & Equip	A3907	WW Office Furniture & Equ
ASSC76	101000	391000	WW Trans Equipment	801	Utility Plant Original Cost	A392	Transportation Equip	A3917	WW Transportation Equip
ASSC76	101000	391100	WW Trans Equip Lt Dty Trk	801	Utility Plant Original Cost	A392	Transportation Equip	A3917	WW Transportation Equip
ASSC76	101000	391200	WW Trans Equip Hvy Dty Tr	801	Utility Plant Original Cost	A392	Transportation Equip	A3917	WW Transportation Equip
ASSC76	101000	392000	WW Stores Equipment	801	Utility Plant Original Cost	A393	Stores Equipment	A3927	WW Stores Equip
ASSC76	101000	393000	WW Tool Shop & Garage Equ	801	Utility Plant Original Cost	A394	Tools, Shop, Garage Equip	A3937	WW Tools,Shop,Garage Equi
ASSC76	101000	394000	WW Laboratory Equipment	801	Utility Plant Original Cost	A395	Laboratory Equipment	A3947	WW Laboratory Equipment
ASSC76	101000	395000	WW Power Operated Equip	801	Utility Plant Original Cost	A396	Power Oper Equipment	A3957	WW Power Operated Equip
ASSC76	101000	396000	WW Communication Equip	801	Utility Plant Original Cost	A397	Communication Equip	A3967	WW Communications Equip
ASSC76	101000	397000	WW Misc Equipment	801	Utility Plant Original Cost	A398	Misc Equipment	A3977	WW Misc Equipment
ASSC76	101000	398000	WW Other Tangible Plant	801	Utility Plant Original Cost	A399	Other Tangible Property	A3987	WW Other Tangible Propert

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GMMCU	GMOBJ	GMSUB	GMDL01	GMR004	GMR00401	GMR021	GMR02101	GMR022	GMR02201
ASSC84	101000	301000	Organization	B01	Utility Plant Original Cost	B3011	Organization	B301	Organization
ASSC84	101000	302000	Franchises	B01	Utility Plant Original Cost	B3021	Franchises	B302	Franchises and Consents
ASSC84	101000	302100	Franchises Amortizable	B01	Utility Plant Original Cost	B3021	Franchises	B302	Franchises and Consents
ASSC84	101000	303200	Land & Ld Rights SS	B01	Utility Plant Original Cost	B3032	Land & Land Rights SS	B306	Land and Land Rights
ASSC84	101000	303300	Land & Ld Rights P	B01	Utility Plant Original Cost	B3032	Land & Land Rights SS	B306	Land and Land Rights
ASSC84	101000	303400	Land & Ld Rights WT	B01	Utility Plant Original Cost	B3033	Land & Land Rights WT	B306	Land and Land Rights
ASSC84	101000	303410	Depletable Ld WT	B01	Utility Plant Original Cost	B3033	Land & Land Rights WT	B306	Land and Land Rights
ASSC84	101000	303500	Land & Ld Rights TD	B01	Utility Plant Original Cost	B3034	Land & Land Rights TD	B306	Land and Land Rights
ASSC84	101000	303501	Land TD	B01	Utility Plant Original Cost	B3034	Land & Land Rights TD	B306	Land and Land Rights
ASSC84	101000	303502	Rights of Way TD	B01	Utility Plant Original Cost	B3034	Land & Land Rights TD	B306	Land and Land Rights
ASSC84	101000	303600	Land & Land Rights AG	B01	Utility Plant Original Cost	B3035	Land & Land Rights AG	B306	Land and Land Rights
ASSC84	101000	304100	Struct & Imp SS	B01	Utility Plant Original Cost	B3042	Struct & Improve SS	B311	Structures and Improvemen
ASSC84	101000	304101	Struct & Imp SS-Millbury	B01	Utility Plant Original Cost	B3042	Struct & Improve SS	B311	Structures and Improvemen
ASSC84	101000	304102	Struct & Imp SS-Free St	B01	Utility Plant Original Cost	B3042	Struct & Improve SS	B311	Structures and Improvemen
ASSC84	101000	304103	Struct & Imp SS-Downing	B01	Utility Plant Original Cost	B3042	Struct & Improve SS	B311	Structures and Improvemen
ASSC84	101000	304104	Struct & Imp SS-Free St	B01	Utility Plant Original Cost	B3042	Struct & Improve SS	B311	Structures and Improvemen
ASSC84	101000	304200	Struct & Imp P	B01	Utility Plant Original Cost	B3042	Struct & Improve SS	B321	Structures and Improvemen
ASSC84	101000	304201	Struct & Imp Pumps (STL)	B01	Utility Plant Original Cost	B3042	Struct & Improve SS	B321	Structures and Improvemen
ASSC84	101000	304202	Struct & Imp Pump Booster	B01	Utility Plant Original Cost	B3042	Struct & Improve SS	B321	Structures and Improvemen
ASSC84	101000	304220	Struct & Imp P MA	B01	Utility Plant Original Cost	B3042	Struct & Improve SS	B321	Structures and Improvemen
ASSC84	101000	304221	Struct & Imp P MA	B01	Utility Plant Original Cost	B3042	Struct & Improve SS	B321	Structures and Improvemen
ASSC84	101000	304222	Struct & Imp P MA	B01	Utility Plant Original Cost	B3042	Struct & Improve SS	B321	Structures and Improvemen
ASSC84	101000	304224	Struct & Imp P MA	B01	Utility Plant Original Cost	B3042	Struct & Improve SS	B321	Structures and Improvemen
ASSC84	101000	304225	Struct & Imp P MA	B01	Utility Plant Original Cost	B3042	Struct & Improve SS	B321	Structures and Improvemen
ASSC84	101000	304227	Struct & Imp P MA	B01	Utility Plant Original Cost	B3042	Struct & Improve SS	B321	Structures and Improvemen
ASSC84	101000	304228	Struct & Imp P MA	B01	Utility Plant Original Cost	B3042	Struct & Improve SS	B321	Structures and Improvemen
ASSC84	101000	304229	Struct & Imp P MA	B01	Utility Plant Original Cost	B3042	Struct & Improve SS	B321	Structures and Improvemen
ASSC84	101000	304230	Struct & Imp P MA	B01	Utility Plant Original Cost	B3042	Struct & Improve SS	B321	Structures and Improvemen
ASSC84	101000	304231	Struct & Imp P MA	B01	Utility Plant Original Cost	B3042	Struct & Improve SS	B321	Structures and Improvemen
ASSC84	101000	304233	Struct & Imp P MA	B01	Utility Plant Original Cost	B3042	Struct & Improve SS	B321	Structures and Improvemen
ASSC84	101000	304234	Struct & Imp P MA	B01	Utility Plant Original Cost	B3042	Struct & Improve SS	B321	Structures and Improvemen
ASSC84	101000	304235	Struct & Imp P MA	B01	Utility Plant Original Cost	B3042	Struct & Improve SS	B321	Structures and Improvemen
ASSC84	101000	304236	Struct & Imp P MA	B01	Utility Plant Original Cost	B3042	Struct & Improve SS	B321	Structures and Improvemen
ASSC84	101000	304300	Struct & Imp WT	B01	Utility Plant Original Cost	B3043	Struct & Improve WT	B331	Structures and Improvemen
ASSC84	101000	304301	Struct & Imp WT Depr Pntn	B01	Utility Plant Original Cost	B3043	Struct & Improve WT	B331	Structures and Improvemen
ASSC84	101000	304302	Struct & Imp WT Paint	B01	Utility Plant Original Cost	B3043	Struct & Improve WT	B331	Structures and Improvemen
ASSC84	101000	304310	Struct & Imp WT Waste Hand	B01	Utility Plant Original Cost	B3043	Struct & Improve WT	B331	Structures and Improvemen
ASSC84	101000	304312	Struct & Imp WT WH Repair	B01	Utility Plant Original Cost	B3043	Struct & Improve WT	B331	Structures and Improvemen
ASSC84	101000	304320	Struct & Imp WT Nth Plt (	B01	Utility Plant Original Cost	B3043	Struct & Improve WT	B331	Structures and

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GMMCU	GMOBJ	GMSUB	GMDL01	GMR004	GMR00401	GMR021	GMR02101	GMR022	GMR02201
ASSC84	101000	304621	Struct & Imp Leasehold	801	Utility Plant Original Cost	B3045	Struct & Improve AG	B371	Structures and Improvemen
ASSC84	101000	304700	Struct & Imp Store,Shop,G	801	Utility Plant Original Cost	B3045	Struct & Improve AG	B371	Structures and Improvemen
ASSC84	101000	304800	Struct & Imp Misc	801	Utility Plant Original Cost	B3045	Struct & Improve AG	B371	Structures and Improvemen
ASSC84	101000	305000	Collect & Impounding	801	Utility Plant Original Cost	B3052	Collecting & Impounding	B312	Collecting and Impounding
ASSC84	101000	306000	Lake, River & Other Intak	801	Utility Plant Original Cost	B3062	Lake, River & Other Intak	B313	Lake, River and Other Int
ASSC84	101000	306001	Intakes Leased	801	Utility Plant Original Cost	B3062	Lake, River & Other Intak	B313	Lake, River and Other Int
ASSC84	101000	307000	Wells & Springs	801	Utility Plant Original Cost	B3072	Wells & Springs	B315	Wells
ASSC84	101000	307001	Wells & Springs MA	801	Utility Plant Original Cost	B3072	Wells & Springs	B315	Wells
ASSC84	101000	307002	Wells & Springs MA	801	Utility Plant Original Cost	B3072	Wells & Springs	B315	Wells
ASSC84	101000	307003	Wells & Springs MA	801	Utility Plant Original Cost	B3072	Wells & Springs	B315	Wells
ASSC84	101000	307004	Wells & Springs MA	801	Utility Plant Original Cost	B3072	Wells & Springs	B315	Wells
ASSC84	101000	307005	Wells & Springs MA	801	Utility Plant Original Cost	B3072	Wells & Springs	B315	Wells
ASSC84	101000	307006	Wells & Springs MA	801	Utility Plant Original Cost	B3072	Wells & Springs	B315	Wells
ASSC84	101000	307007	Wells & Springs MA	801	Utility Plant Original Cost	B3072	Wells & Springs	B315	Wells
ASSC84	101000	307008	Wells & Springs MA	801	Utility Plant Original Cost	B3072	Wells & Springs	B315	Wells
ASSC84	101000	307010	Wells & Springs MA	801	Utility Plant Original Cost	B3072	Wells & Springs	B315	Wells
ASSC84	101000	307011	Wells & Springs MA	801	Utility Plant Original Cost	B3072	Wells & Springs	B315	Wells
ASSC84	101000	307012	Wells & Springs MA	801	Utility Plant Original Cost	B3072	Wells & Springs	B315	Wells
ASSC84	101000	307013	Wells & Springs MA	801	Utility Plant Original Cost	B3072	Wells & Springs	B315	Wells
ASSC84	101000	307014	Wells & Springs MA	801	Utility Plant Original Cost	B3072	Wells & Springs	B315	Wells
ASSC84	101000	307016	Wells & Springs MA	801	Utility Plant Original Cost	B3072	Wells & Springs	B315	Wells
ASSC84	101000	307200	Wells Only (LI)	801	Utility Plant Original Cost	B3072	Wells & Springs	B315	Wells
ASSC84	101000	308000	Infiltration Galleries &	801	Utility Plant Original Cost	B3082	Infilt Galleries & Tunnel	B314	Springs and Tunnels
ASSC84	101000	309000	Supply Mains	801	Utility Plant Original Cost	B3092	Supply Mains	B316	Supply Mains
ASSC84	101000	309100	Supply Mains Nth Plt (STL	801	Utility Plant Original Cost	B3092	Supply Mains	B316	Supply Mains
ASSC84	101000	309200	Supply Mains Ctrl Plt (ST	801	Utility Plant Original Cost	B3092	Supply Mains	B316	Supply Mains
ASSC84	101000	309300	Supply Mains Sth Plt (STL	801	Utility Plant Original Cost	B3092	Supply Mains	B316	Supply Mains
ASSC84	101000	309400	Supply Mains Meramec Plt	801	Utility Plant Original Cost	B3092	Supply Mains	B316	Supply Mains
ASSC84	101000	310000	Power Generation Equip	801	Utility Plant Original Cost	B3102	Power Generation Equip	B323	Other Power Production Eq
ASSC84	101000	310100	Power Generation Equip Ot	801	Utility Plant Original Cost	B3102	Power Generation Equip	B323	Other Power Production Eq
ASSC84	101000	310200	Boiler Plant Equipment P	801	Utility Plant Original Cost	B3112	Pumping Equipment	B322	Boiler Plant Equipment
ASSC84	101000	311100	Pump Equip Steam	801	Utility Plant Original Cost	B3112	Pumping Equipment	B324	Pumping Equipment
ASSC84	101000	311200	Pump Equip Electric	801	Utility Plant Original Cost	B3112	Pumping Equipment	B324	Pumping Equipment
ASSC84	101000	311210	Pump Equip Elec Pre46 (ST	801	Utility Plant Original Cost	B3112	Pumping Equipment	B324	Pumping Equipment
ASSC84	101000	311220	Pump Equip Elec Post46 (S	801	Utility Plant Original Cost	B3112	Pumping Equipment	B324	Pumping Equipment
ASSC84	101000	311230	Pump Equip Elec Boosters	801	Utility Plant Original Cost	B3112	Pumping Equipment	B324	Pumping Equipment
ASSC84	101000	311250	Pump Equip Electric TD	801	Utility Plant Original Cost	B3112	Pumping Equipment	B324	Pumping Equipment
ASSC84	101000	311260	Pump Equip Elec TD <=5HP	801	Utility Plant Original Cost	B3112	Pumping Equipment	B324	Pumping Equipment
ASSC84	101000	311270	Pump Equip Elec TD >5HP	801	Utility Plant Original Cost	B3112	Pumping Equipment	B324	Pumping Equipment
ASSC84	101000	311300	Pump Equip Diesel	801	Utility Plant Original Cost	B3112	Pumping Equipment	B324	Pumping Equipment
ASSC84	101000	311310	Pump Equip Diesel Stratma	801	Utility Plant Original Cost	B3112	Pumping Equipment	B324	Pumping Equipment
ASSC84	101000	311320	Pump Equip Diesel Ctrl Pl	801	Utility Plant Original Cost	B3112	Pumping Equipment	B324	Pumping Equipment
ASSC84	101000	311350	Pump Equip Diesel TD	801	Utility Plant Original Cost	B3112	Pumping Equipment	B324	Pumping Equipment
ASSC84	101000	311400	Pump Equip Hydraulic	801	Utility Plant Original Cost	B3112	Pumping Equipment	B324	Pumping Equipment
ASSC84	101000	311500	Pump Equip Other	801	Utility Plant Original Cost	B3112	Pumping Equipment	B324	Pumping Equipment
ASSC84	101000	311501	Pump Equip Other MA	801	Utility Plant Original Cost	B3112	Pumping Equipment	B324	Pumping Equipment
ASSC84	101000	311502	Pump Equip Other MA	801	Utility Plant Original Cost	B3112	Pumping Equipment	B324	Pumping Equipment
ASSC84	101000	311503	Pump Equip Other MA	801	Utility Plant Original Cost	B3112	Pumping Equipment	B324	Pumping Equipment
ASSC84	101000	311504	Pump Equip Other MA	801	Utility Plant Original Cost	B3112	Pumping Equipment	B324	Pumping Equipment
ASSC84	101000	311507	Pump Equip Other MA	801	Utility Plant Original Cost	B3112	Pumping Equipment	B324	Pumping Equipment
ASSC84	101000	311508	Pump Equip Other MA	801	Utility Plant Original Cost	B3112	Pumping Equipment	B324	Pumping Equipment
ASSC84	101000	311509	Pump Equip Other MA	801	Utility Plant Original Cost	B3112	Pumping Equipment	B324	Pumping Equipment
ASSC84	101000	311510	Pump Equip Other MA	801	Utility Plant Original Cost	B3112	Pumping Equipment	B324	Pumping Equipment
ASSC84	101000	311511	Pump Equip Other MA	801	Utility Plant Original Cost	B3112	Pumping Equipment	B324	Pumping Equipment
ASSC84	101000	311512	Pump Equip Other MA	801	Utility Plant Original Cost	B3112	Pumping Equipment	B324	Pumping Equipment
ASSC84	101000	311513	Pump Equip Other MA	801	Utility Plant Original Cost	B3112	Pumping Equipment	B324	Pumping Equipment
ASSC84	101000	311514	Pump Equip Other MA	801	Utility Plant Original Cost	B3112	Pumping Equipment	B324	Pumping Equipment
ASSC84	101000	311515	Pump Equip Other MA	801	Utility Plant Original Cost	B3112	Pumping Equipment	B324	Pumping Equipment
ASSC84	101000	311516	Pump Equip Other MA	801	Utility Plant Original Cost	B3112	Pumping Equipment	B324	Pumping Equipment

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GMMCU	GMOBJ	GMSUB	GMDL01	GMR004	GMR00401	GMR021	GMR02101	GMR022	GMR02201
ASSC84	101000	311520	Pumping Equipment SS	801	Utility Plant Original Cost	B3112	Pumping Equipment	B324	Pumping Equipment
ASSC84	101000	311530	Pumping Equipment WT	801	Utility Plant Original Cost	B3112	Pumping Equipment	B332	Water Treatment Equipment
ASSC84	101000	311540	Pumping Equipment TD	801	Utility Plant Original Cost	B3112	Pumping Equipment	B324	Pumping Equipment
ASSC84	101000	311550	Pump Equip Other TD	801	Utility Plant Original Cost	B3112	Pumping Equipment	B324	Pumping Equipment
ASSC84	101000	320100	WT Equip Non-Media	801	Utility Plant Original Cost	B3203	Water Treatment Equipment	B332	Water Treatment Equipment
ASSC84	101000	320110	WT Equip Purification (LI	801	Utility Plant Original Cost	B3203	Water Treatment Equipment	B332	Water Treatment Equipment
ASSC84	101000	320120	WT Equip Non-Med North (S	801	Utility Plant Original Cost	B3203	Water Treatment Equipment	B332	Water Treatment Equipment
ASSC84	101000	320130	WT Equip Non Media Ctrl 1	801	Utility Plant Original Cost	B3203	Water Treatment Equipment	B332	Water Treatment Equipment
ASSC84	101000	320140	WT Equip Non Media Ctrl 3	801	Utility Plant Original Cost	B3203	Water Treatment Equipment	B332	Water Treatment Equipment
ASSC84	101000	320150	WT Equip Non Media Sth (S	801	Utility Plant Original Cost	B3203	Water Treatment Equipment	B332	Water Treatment Equipment
ASSC84	101000	320160	WT Equip Non Media Mer (S	801	Utility Plant Original Cost	B3203	Water Treatment Equipment	B332	Water Treatment Equipment
ASSC84	101000	320190	WT Equip Set Basin, Clear	801	Utility Plant Original Cost	B3203	Water Treatment Equipment	B332	Water Treatment Equipment
ASSC84	101000	320191	WT Equip Filter Plant Pip	801	Utility Plant Original Cost	B3203	Water Treatment Equipment	B332	Water Treatment Equipment
ASSC84	101000	320192	WT Equip Wash Water Tank	801	Utility Plant Original Cost	B3203	Water Treatment Equipment	B332	Water Treatment Equipment
ASSC84	101000	320193	WT Equip Chemical Feed (I	801	Utility Plant Original Cost	B3203	Water Treatment Equipment	B332	Water Treatment Equipment
ASSC84	101000	320200	WT Equip Filter Media	801	Utility Plant Original Cost	B3203	Water Treatment Equipment	B332	Water Treatment Equipment
ASSC84	101000	320400	WT Equip Waste Handling (	801	Utility Plant Original Cost	B3203	Water Treatment Equipment	B332	Water Treatment Equipment
ASSC84	101000	320500	WT Equip Pur Sys Lg (PA)	801	Utility Plant Original Cost	B3203	Water Treatment Equipment	B332	Water Treatment Equipment
ASSC84	101000	320502	WT Equip Pur Sys Lg Repai	801	Utility Plant Original Cost	B3203	Water Treatment Equipment	B332	Water Treatment Equipment
ASSC84	101000	330000	Dist Reservoirs & Standpi	801	Utility Plant Original Cost	B3304	Dist Reservoirs & Standpi	B342	Reservoirs and Tanks
ASSC84	101000	330002	Dist Res & Stand Orig Pai	801	Utility Plant Original Cost	B3304	Dist Reservoirs & Standpi	B342	Reservoirs and Tanks
ASSC84	101000	330003	Dist Res & Stand Orig Rep	801	Utility Plant Original Cost	B3304	Dist Reservoirs & Standpi	B342	Reservoirs and Tanks
ASSC84	101000	330020	Dist Res & Stand MA	801	Utility Plant Original Cost	B3304	Dist Reservoirs & Standpi	B342	Reservoirs and Tanks
ASSC84	101000	330021	Dist Res & Stand MA	801	Utility Plant Original Cost	B3304	Dist Reservoirs & Standpi	B342	Reservoirs and Tanks
ASSC84	101000	330022	Dist Res & Stand MA	801	Utility Plant Original Cost	B3304	Dist Reservoirs & Standpi	B342	Reservoirs and Tanks
ASSC84	101000	330023	Dist Res & Stand MA	801	Utility Plant Original Cost	B3304	Dist Reservoirs & Standpi	B342	Reservoirs and Tanks
ASSC84	101000	330024	Dist Res & Stand MA	801	Utility Plant Original Cost	B3304	Dist Reservoirs & Standpi	B342	Reservoirs and Tanks
ASSC84	101000	330100	Elevated Tanks & Standpip	801	Utility Plant Original Cost	B3304	Dist Reservoirs & Standpi	B342	Reservoirs and Tanks
ASSC84	101000	330200	Ground Level Facilities	801	Utility Plant Original Cost	B3304	Dist Reservoirs & Standpi	B342	Reservoirs and Tanks
ASSC84	101000	330300	Below Grade Facilities	801	Utility Plant Original Cost	B3304	Dist Reservoirs & Standpi	B342	Reservoirs and Tanks
ASSC84	101000	330400	Clearwell	801	Utility Plant Original Cost	B3304	Dist Reservoirs & Standpi	B342	Reservoirs and Tanks
ASSC84	101000	331001	TD Mains Not Classified b	801	Utility Plant Original Cost	B3314	TD Mains	B343	Transmission and Distribu
ASSC84	101000	331002	TD Mains (CT)	801	Utility Plant Original Cost	B3314	TD Mains	B343	Transmission and Distribu
ASSC84	101000	331003	TD Mains Paving (LI)	801	Utility Plant Original Cost	B3314	TD Mains	B343	Transmission and Distribu
ASSC84	101000	331100	TD Mains 4in & Less	801	Utility Plant Original Cost	B3314	TD Mains	B343	Transmission and Distribu
ASSC84	101000	331101	TD Mains 4in & Less Nth (	801	Utility Plant Original Cost	B3314	TD Mains	B343	Transmission and Distribu
ASSC84	101000	331200	TD Mains 6in to 8in	801	Utility Plant Original Cost	B3314	TD Mains	B343	Transmission and Distribu
ASSC84	101000	331210	TD Mains 6in to 10in (TN)	801	Utility Plant Original Cost	B3314	TD Mains	B343	Transmission and Distribu
ASSC84	101000	331230	TD Mains 6in & Grtr (LI)	801	Utility Plant Original Cost	B3314	TD Mains	B343	Transmission and Distribu
ASSC84	101000	331300	TD Mains 10in to 16in	801	Utility Plant Original Cost	B3314	TD Mains	B343	Transmission and Distribu
ASSC84	101000	331350	TD Mains 12in & Grtr (TN)	801	Utility Plant Original Cost	B3314	TD Mains	B343	Transmission and Distribu
ASSC84	101000	331400	TD Mains 18in & Grtr	801	Utility Plant Original Cost	B3314	TD Mains	B343	Transmission and Distribu
ASSC84	101000	331500	TD Mains Bridgeport (CN)	801	Utility Plant Original Cost	B3314	TD Mains	B343	Transmission and Distribu
ASSC84	101000	331601	TD Mains AC 4in (STL)	801	Utility Plant Original Cost	B3314	TD Mains	B343	Transmission and Distribu
ASSC84	101000	331602	TD Mains CI <10in 1900-28	801	Utility Plant Original Cost	B3314	TD Mains	B343	Transmission and Distribu
ASSC84	101000	331603	TD Mains CI <10in 1929-56	801	Utility Plant Original Cost	B3314	TD Mains	B343	Transmission and Distribu
ASSC84	101000	331604	TD Mains CI <10in 1957-93	801	Utility Plant Original Cost	B3314	TD Mains	B343	Transmission and Distribu
ASSC84	101000	331605	TD Mains CI 12in (STL)	801	Utility Plant Original Cost	B3314	TD Mains	B343	Transmission and Distribu
ASSC84	101000	331606	TD Mains CI 16in (STL)	801	Utility Plant Original Cost	B3314	TD Mains	B343	Transmission and Distribu
ASSC84	101000	331607	TD Mains DI 6in (STL)	801	Utility Plant Original Cost	B3314	TD Mains	B343	Transmission and Distribu
ASSC84	101000	331608	TD Mains DI 12in (STL)	801	Utility Plant Original Cost	B3314	TD Mains	B343	Transmission and Distribu
ASSC84	101000	331609	TD Mains DI 16in (STL)	801	Utility Plant Original Cost	B3314	TD Mains	B343	Transmission and Distribu
ASSC84	101000	331610	TD Mains Galve 1in (STL)	801	Utility Plant Original Cost	B3314	TD Mains	B343	Transmission and Distribu
ASSC84	101000	331611	TD Mains LJ 20in (STL)	801	Utility Plant Original Cost	B3314	TD Mains	B343	Transmission and Distribu
ASSC84	101000	331612	TD Main PL 6-8in (STL)	801	Utility Plant Original Cost	B3314	TD Mains	B343	Transmission and Distribu
ASSC84	101000	331613	TD Main PL 12in (STL)	801	Utility Plant Original Cost	B3314	TD Mains	B343	Transmission and Distribu
ASSC84	101000	331614	TD Main DI 4in (STL)	801	Utility Plant Original Cost	B3314	TD Mains	B343	Transmission and Distribu
ASSC84	101000	331615	TD Mains DI 24in	801	Utility Plant Original Cost	B3314	TD Mains	B343	Transmission and Distribu
ASSC84	101000	331616	TD Main DI 10in (STL)	801	Utility Plant Original Cost	B3314	TD Mains	B343	Transmission and Distribu

Tennessee American Water Company
NARUC Master Chart of Accounts

GMMCU	GMOBJ	GMSUB	GMDL01	GMR004	GMR00401	GMR021	GMR02101	GMR022	GMR02201
ASSC84	101000	332000	Fire Mains	801	Utility Plant Original Cost	B3314	TD Mains	B344	Fire Mains
ASSC84	101000	333000	Services	801	Utility Plant Original Cost	B3334	Services	B345	Services
ASSC84	101000	334100	Meters	801	Utility Plant Original Cost	B3344	Meters & Meter Installati	B346	Meters
ASSC84	101000	334110	Meters Bronze Case	801	Utility Plant Original Cost	B3344	Meters & Meter Installati	B346	Meters
ASSC84	101000	334120	Meters Plastic Case	801	Utility Plant Original Cost	B3344	Meters & Meter Installati	B346	Meters
ASSC84	101000	334130	Meters Other	801	Utility Plant Original Cost	B3344	Meters & Meter Installati	B346	Meters
ASSC84	101000	334131	Meters Other-Rem Rdr Unts	801	Utility Plant Original Cost	B3344	Meters & Meter Installati	B346	Meters
ASSC84	101000	334200	Meter Installations	801	Utility Plant Original Cost	B3344	Meters & Meter Installati	B347	Meter Installations
ASSC84	101000	334201	Meter Installation Other	801	Utility Plant Original Cost	B3344	Meters & Meter Installati	B347	Meter Installations
ASSC84	101000	334300	Meter Vaults	801	Utility Plant Original Cost	B3344	Meters & Meter Installati	B346	Meters
ASSC84	101000	335000	Hydrants	801	Utility Plant Original Cost	B3354	Hydrants	B348	Hydrants
ASSC84	101000	336000	Backflow Prevention Devic	801	Utility Plant Original Cost	B3334	Services	B345	Services
ASSC84	101000	339100	Other P/E Intangible	801	Utility Plant Original Cost	B3391	Other Plant & Equip Intan	B303	Other intangible Plant
ASSC84	101000	339200	Other P/E SS	801	Utility Plant Original Cost	B3392	Other Plant & Equip SS	B317	Other Source of Supply Pl
ASSC84	101000	339300	Other P/E WT	801	Utility Plant Original Cost	B3393	Other Plant & Equip WT	B332	Water Treatment Equipment
ASSC84	101000	339400	Other P/E WT Res Hand Equ	801	Utility Plant Original Cost	B3393	Other Plant & Equip WT	B332	Water Treatment Equipment
ASSC84	101000	339500	Other P/E TD	801	Utility Plant Original Cost	B3394	Other Plant & Equip TD	B349	Other Transmission and Di
ASSC84	101000	339600	Other P/E CPS	801	Utility Plant Original Cost	B3391	Other Plant & Equip Intan	B303	Other intangible Plant
ASSC84	101000	340100	Office Furniture & Equip	801	Utility Plant Original Cost	B3405	Office Furniture & Equip	B372	Office Furniture and Equi
ASSC84	101000	340200	Comp & Periph Equip	801	Utility Plant Original Cost	B3405	Office Furniture & Equip	B372	Office Furniture and Equi
ASSC84	101000	340210	Comp & Periph Mainframe	801	Utility Plant Original Cost	B3405	Office Furniture & Equip	B372	Office Furniture and Equi
ASSC84	101000	340220	Comp & Periph Personal	801	Utility Plant Original Cost	B3405	Office Furniture & Equip	B372	Office Furniture and Equi
ASSC84	101000	340230	Comp & Periph Other	801	Utility Plant Original Cost	B3405	Office Furniture & Equip	B372	Office Furniture and Equi
ASSC84	101000	340240	Comp & Periph Capital Lea	801	Utility Plant Original Cost	B3405	Office Furniture & Equip	B372	Office Furniture and Equi
ASSC84	101000	340300	Computer Software	801	Utility Plant Original Cost	B3405	Office Furniture & Equip	B372	Office Furniture and Equi
ASSC84	101000	340310	Comp Software Mainframe	801	Utility Plant Original Cost	B3405	Office Furniture & Equip	B372	Office Furniture and Equi
ASSC84	101000	340315	Comp Software Special Dep	801	Utility Plant Original Cost	B3405	Office Furniture & Equip	B372	Office Furniture and Equi
ASSC84	101000	340320	Comp Software Personal	801	Utility Plant Original Cost	B3405	Office Furniture & Equip	B372	Office Furniture and Equi
ASSC84	101000	340325	Comp Software Customized	801	Utility Plant Original Cost	B3405	Office Furniture & Equip	B372	Office Furniture and Equi
ASSC84	101000	340330	Comp Software Other	801	Utility Plant Original Cost	B3405	Office Furniture & Equip	B372	Office Furniture and Equi
ASSC84	101000	340400	Data Handling Equipment	801	Utility Plant Original Cost	B3405	Office Furniture & Equip	B372	Office Furniture and Equi
ASSC84	101000	340500	Other Office Equipment	801	Utility Plant Original Cost	B3405	Office Furniture & Equip	B372	Office Furniture and Equi
ASSC84	101000	340501	Other Off Equip MA	801	Utility Plant Original Cost	B3405	Office Furniture & Equip	B372	Office Furniture and Equi
ASSC84	101000	341001	Trans Equip Not Classifie	801	Utility Plant Original Cost	B3415	Transportation Equip	B373	Transportation Equipment
ASSC84	101000	341100	Trans Equip Lt Duty Trks	801	Utility Plant Original Cost	B3415	Transportation Equip	B373	Transportation Equipment
ASSC84	101000	341200	Trans Equip Hvy Duty Trks	801	Utility Plant Original Cost	B3415	Transportation Equip	B373	Transportation Equipment
ASSC84	101000	341300	Trans Equip Autos	801	Utility Plant Original Cost	B3415	Transportation Equip	B373	Transportation Equipment
ASSC84	101000	341400	Trans Equip Other	801	Utility Plant Original Cost	B3415	Transportation Equip	B373	Transportation Equipment
ASSC84	101000	342000	Stores Equipment	801	Utility Plant Original Cost	B3425	Stores Equipment	B374	Stores Equipment
ASSC84	101000	343000	Tools,Shop,Garage Equip	801	Utility Plant Original Cost	B3435	Tools, Shop, Garage Equip	B378	Tools, Shop and Garage Eq
ASSC84	101000	343100	Tools,Shop,Garage Equip O	801	Utility Plant Original Cost	B3435	Tools, Shop, Garage Equip	B378	Tools, Shop and Garage Eq
ASSC84	101000	344000	Laboratory Equipment	801	Utility Plant Original Cost	B3445	Laboratory Equipment	B375	Laboratory Equipment
ASSC84	101000	344100	Laboratory Equip Other	801	Utility Plant Original Cost	B3445	Laboratory Equipment	B375	Laboratory Equipment
ASSC84	101000	345000	Power Operated Equipment	801	Utility Plant Original Cost	B3455	Power Operated Equip	B377	Power Operated Equipment
ASSC84	101000	345100	Power Oper Equip Other	801	Utility Plant Original Cost	B3455	Power Operated Equip	B377	Power Operated Equipment
ASSC84	101000	346000	Comm Equip Not Classified	801	Utility Plant Original Cost	B3465	Communication Equip	B376	Communication Equipment
ASSC84	101000	346100	Comm Equip Non-Telephone	801	Utility Plant Original Cost	B3465	Communication Equip	B376	Communication Equipment
ASSC84	101000	346190	Remote Control & Instrume	801	Utility Plant Original Cost	B3465	Communication Equip	B376	Communication Equipment
ASSC84	101000	346200	Comm Equip Telephone	801	Utility Plant Original Cost	B3465	Communication Equip	B376	Communication Equipment
ASSC84	101000	346300	Comm Equip Other	801	Utility Plant Original Cost	B3465	Communication Equip	B376	Communication Equipment
ASSC84	101000	347000	Misc Equipment	801	Utility Plant Original Cost	B3475	Miscellaneous Equip	B379	Other General Plant
ASSC84	101000	348000	Other Tangible Property	801	Utility Plant Original Cost	B3485	Other Tangible Plant	B379	Other General Plant
ASSC84	101000	351000	WW Organization	801	Utility Plant Original Cost	B3511	Organization SWR	B301	Organization
ASSC84	101000	352000	WW Franchises	801	Utility Plant Original Cost	B3521	Franchises SWR	B302	Franchises and Consents
ASSC84	101000	352200	WW Other Intangible Plt	801	Utility Plant Original Cost	B3521	Franchises SWR	B303	Other intangible Plant
ASSC84	101000	353200	WW Land & Ld Rights Coll	801	Utility Plant Original Cost	B3532	Land & Ld Rights Coll SWR	B306	Land and Land Rights
ASSC84	101000	353300	WW Land & Ld Rights SPP	801	Utility Plant Original Cost	B3533	Land & Ld Rights SPP SWR	B306	Land and Land Rights
ASSC84	101000	353400	WW Land & Ld Rights TDP	801	Utility Plant Original Cost	B3534	Land & Ld Rights TDP SWR	B306	Land and Land Rights
ASSC84	101000	353500	WW Land & Ld Rights Gen	801	Utility Plant Original Cost	B3535	Land & Ld Rights Gen SWR	B306	Land and Land Rights

Tennessee American Water Company
NARUC Master Chart of Accounts

GMMCU	GMOBJ	GMSUB	GMDL01	GMR004	GMR00401	GMR021	GMR02101	GMR022	GMR02201
ASSC84	101000	354200	WW Struct & Imp Coll	801	Utility Plant Original Cost	B3542	Struct & Imp Coll SWR	B311	Structures and Improvemen
ASSC84	101000	354300	WW Struct & Imp SPP	801	Utility Plant Original Cost	B3543	Struct & Imp SPP SWR	B321	Structures and Improvemen
ASSC84	101000	354400	WW Struct & Imp TDP	801	Utility Plant Original Cost	B3544	Struct & Imp TDP SWR	B341	Structures and Improvemen
ASSC84	101000	354500	WW Struct & Imp Gen	801	Utility Plant Original Cost	B3545	Struct & Imp Gen SWR	B371	Structures and Improvemen
ASSC84	101000	354510	WW Struct & Imp Gen Lease	801	Utility Plant Original Cost	B3545	Struct & Imp Gen SWR	B371	Structures and Improvemen
ASSC84	101000	354515	WW Struct & Imp AG Wood	801	Utility Plant Original Cost	B3545	Struct & Imp Gen SWR	B371	Structures and Improvemen
ASSC84	101000	354520	WW Struct & Imp AG Masonr	801	Utility Plant Original Cost	B3545	Struct & Imp Gen SWR	B371	Structures and Improvemen
ASSC84	101000	354530	WW Struct & Imp AG Fencin	801	Utility Plant Original Cost	B3545	Struct & Imp Gen SWR	B371	Structures and Improvemen
ASSC84	101000	355200	WW Pwr Gen Equip Coll	801	Utility Plant Original Cost	B3713	Pumping Equipment SWR	B323	Other Power Production Eq
ASSC84	101000	355300	WW Pwr Gen Equip SPP	801	Utility Plant Original Cost	B3713	Pumping Equipment SWR	B323	Other Power Production Eq
ASSC84	101000	355400	WW Pwr Gen Equip TDP	801	Utility Plant Original Cost	B3713	Pumping Equipment SWR	B323	Other Power Production Eq
ASSC84	101000	355500	WW Pwr Gen Equip RWTP	801	Utility Plant Original Cost	B3713	Pumping Equipment SWR	B323	Other Power Production Eq
ASSC84	101000	355600	WW Pwr Gen Equip RWDP	801	Utility Plant Original Cost	B3713	Pumping Equipment SWR	B323	Other Power Production Eq
ASSC84	101000	360000	WW Collection Sewers Forc	801	Utility Plant Original Cost	B3602	Collection Sewers Force S	B316	Supply Mains
ASSC84	101000	361100	WW Collecting Mains	801	Utility Plant Original Cost	B3612	Collection Sewers Gravity	B316	Supply Mains
ASSC84	101000	361101	WW Collecting Mains Other	801	Utility Plant Original Cost	B3612	Collection Sewers Gravity	B316	Supply Mains
ASSC84	101000	362000	WW Special Coll Struct	801	Utility Plant Original Cost	B3622	Special Collecting Struct	B311	Structures and Improvemen
ASSC84	101000	363000	WW Services Sewer	801	Utility Plant Original Cost	B3632	Services SWR	B345	Services
ASSC84	101000	364000	WW Flow Measuring Devices	801	Utility Plant Original Cost	B3642	Flow Measuring Devices SW	B346	Meters
ASSC84	101000	365000	WW Flow Measuring Install	801	Utility Plant Original Cost	B3652	Flow Measuring Install SW	B347	Meter Installations
ASSC84	101000	370000	WW Receiving Wells	801	Utility Plant Original Cost	B3703	Receiving Wells SWR	B315	Wells
ASSC84	101000	371100	WW Pump Equip Elect	801	Utility Plant Original Cost	B3713	Pumping Equipment SWR	B324	Pumping Equipment
ASSC84	101000	371160	WW Pump Eq Elec <=5HP	801	Utility Plant Original Cost	B3713	Pumping Equipment SWR	B324	Pumping Equipment
ASSC84	101000	371170	WW Pump Eq Elec >5HP	801	Utility Plant Original Cost	B3713	Pumping Equipment SWR	B324	Pumping Equipment
ASSC84	101000	371200	WW Pump Equip Oth Pwr	801	Utility Plant Original Cost	B3713	Pumping Equipment SWR	B324	Pumping Equipment
ASSC84	101000	371300	WW Pump Equip Misc	801	Utility Plant Original Cost	B3713	Pumping Equipment SWR	B324	Pumping Equipment
ASSC84	101000	380000	WW TD Equipment	801	Utility Plant Original Cost	B3804	Trmt & Disp Equipment SWR	B349	Other Transmission and Di
ASSC84	101000	380050	WW TD Equip Grit Removal	801	Utility Plant Original Cost	B3804	Trmt & Disp Equipment SWR	B349	Other Transmission and Di
ASSC84	101000	380100	WW TD Equip Sed Tanks/Acc	801	Utility Plant Original Cost	B3804	Trmt & Disp Equipment SWR	B349	Other Transmission and Di
ASSC84	101000	380200	WW TD Equip Sldge/Effl Rm	801	Utility Plant Original Cost	B3804	Trmt & Disp Equipment SWR	B349	Other Transmission and Di
ASSC84	101000	380250	WW TD Equip Sldge Dig Tnk	801	Utility Plant Original Cost	B3804	Trmt & Disp Equipment SWR	B349	Other Transmission and Di
ASSC84	101000	380300	WW TD Equip Sldge Dry/Fil	801	Utility Plant Original Cost	B3804	Trmt & Disp Equipment SWR	B349	Other Transmission and Di
ASSC84	101000	380350	WW TD Equip Sec Trmt Fil	801	Utility Plant Original Cost	B3804	Trmt & Disp Equipment SWR	B349	Other Transmission and Di
ASSC84	101000	380400	WW TD Equip Aux Effl Trmt	801	Utility Plant Original Cost	B3804	Trmt & Disp Equipment SWR	B349	Other Transmission and Di
ASSC84	101000	380450	WW TD Equip Oth Sew Rem	801	Utility Plant Original Cost	B3804	Trmt & Disp Equipment SWR	B349	Other Transmission and Di
ASSC84	101000	380500	WW TD Equip Chem Trmt Plt	801	Utility Plant Original Cost	B3804	Trmt & Disp Equipment SWR	B349	Other Transmission and Di
ASSC84	101000	380600	WW TD Equip Oth Disp	801	Utility Plant Original Cost	B3804	Trmt & Disp Equipment SWR	B349	Other Transmission and Di
ASSC84	101000	380625	WW TD Equip Gen Trmt	801	Utility Plant Original Cost	B3804	Trmt & Disp Equipment SWR	B349	Other Transmission and Di
ASSC84	101000	380650	WW TD Equip Influent Lift	801	Utility Plant Original Cost	B3804	Trmt & Disp Equipment SWR	B349	Other Transmission and Di
ASSC84	101000	381000	WW Plant Sewers	801	Utility Plant Original Cost	B3814	Plant Sewers SWR	B343	Transmission and Distrib
ASSC84	101000	382000	WW Outfall Sewer Lines	801	Utility Plant Original Cost	B3824	Outfall Sewer Lines	B343	Transmission and Distrib
ASSC84	101000	389100	WW Oth Plt & Misc Equip I	801	Utility Plant Original Cost	B3891	Oth Plnt & Misc Equip Int	B303	Other intangible Plant
ASSC84	101000	389200	WW Oth Plt & Misc Equip C	801	Utility Plant Original Cost	B3892	Oth Plnt & Misc Equip Col	B317	Other Source of Supply Pl
ASSC84	101000	389300	WW Oth Plt & Misc Equip S	801	Utility Plant Original Cost	B3893	Oth Plnt & Misc Equip SPP	B325	Other Pumping Plant
ASSC84	101000	389400	WW Oth Plt & Misc Equip T	801	Utility Plant Original Cost	B3894	Oth Plnt & Misc Equip TDP	B349	Other Transmission and Di
ASSC84	101000	389600	WW Other P/E-CPS	801	Utility Plant Original Cost	B3891	Oth Plnt & Misc Equip Int	B303	Other intangible Plant
ASSC84	101000	390000	WW Office Furniture & Equ	801	Utility Plant Original Cost	B3905	Other Furn & Equipment SW	B372	Office Furniture and Equi
ASSC84	101000	390200	WW Computers & Peripheral	801	Utility Plant Original Cost	B3905	Other Furn & Equipment SW	B372	Office Furniture and Equi
ASSC84	101000	390300	WW Computer Software	801	Utility Plant Original Cost	B3905	Other Furn & Equipment SW	B372	Office Furniture and Equi
ASSC84	101000	391000	WW Trans Equipment	801	Utility Plant Original Cost	B3915	Transportation Equip SWR	B373	Transportation Equipment
ASSC84	101000	391100	WW Trans Equip Lt Dty Trk	801	Utility Plant Original Cost	B3915	Transportation Equip SWR	B373	Transportation Equipment
ASSC84	101000	391200	WW Trans Equip Hvy Dty Tr	801	Utility Plant Original Cost	B3915	Transportation Equip SWR	B373	Transportation Equipment
ASSC84	101000	392000	WW Stores Equipment	801	Utility Plant Original Cost	B3925	Stores Equipment SWR	B374	Stores Equipment
ASSC84	101000	393000	WW Tool Shop & Garage Equ	801	Utility Plant Original Cost	B3935	Tools, Shop, Garage Equip	B378	Tools, Shop and Garage Eq
ASSC84	101000	394000	WW Laboratory Equipment	801	Utility Plant Original Cost	B3945	Laboratory Equipment SWR	B375	Laboratory Equipment
ASSC84	101000	395000	WW Power Operated Equip	801	Utility Plant Original Cost	B3955	Power Operated Equip SWR	B377	Power Operated Equipment
ASSC84	101000	396000	WW Communication Equip	801	Utility Plant Original Cost	B3965	Communication Equip SWR	B376	Communication Equipment
ASSC84	101000	397000	WW Misc Equipment	801	Utility Plant Original Cost	B3975	Miscellaneous Equip SWR	B379	Other General Plant
ASSC84	101000	398000	WW Other Tangible Plant	801	Utility Plant Original Cost	B3985	Other Tangible Plant SWR	B390	Other Tangible Property

Tennessee American Water Company Depreciation Rate Download <i>*rates from fixed asset system (subledger)</i>										
rate_type	depr_afudc_method	utility_sub_acct	naruc_acct	start_month	rate_eff_date	life_rate	cor_rate		utility account	Book Depr Rate
AFUDC	1026			1/1/2014 0:00	01/2014					
DEPRECIATION - Rate Area 26-00	26:252 271110:RA26-00	271110-CIAC-NT Mains-Water - None	252/271-CAC/CIAC	1/1/2014 0:00	01/2006	0.00%	0.00%			0.00%
DEPRECIATION - Rate Area 26-00	26:252 271120:RA26-00	271120-CIAC-NT Ext Dep-Water - None	252/271-CAC/CIAC	1/1/2014 0:00	01/2006	0.00%	0.00%			0.00%
DEPRECIATION - Rate Area 26-00	26:252 271130:RA26-00	271130-CIAC-NT Fire Services-Water - None	252/271-CAC/CIAC	1/1/2014 0:00	01/2006	0.00%	0.00%			0.00%
DEPRECIATION - Rate Area 26-00	26:252 271140:RA26-00	271140-CIAC-NT Meters-Water - None	252/271-CAC/CIAC	1/1/2014 0:00	01/2006	0.00%	0.00%			0.00%
DEPRECIATION - Rate Area 26-00	26:252 271150:RA26-00	271150-CIAC-NT Hydrants-Water - None	252/271-CAC/CIAC	1/1/2014 0:00	01/2006	0.00%	0.00%			0.00%
DEPRECIATION - Rate Area 26-00	26:252 271160:RA26-00	271160-CIAC-NT Other-Water - None	252/271-CAC/CIAC	1/1/2014 0:00	01/2006	0.00%	0.00%			0.00%
DEPRECIATION - Rate Area 26-00	26:252 271210:RA26-00	271210-CIAC-Tax Mains-Water - None	252/271-CAC/CIAC	1/1/2014 0:00	01/2006	0.00%	0.00%			0.00%
DEPRECIATION - Rate Area 26-00	26:252 271230:RA26-00	271230-CIAC-Tax Services-Water - None	252/271-CAC/CIAC	1/1/2014 0:00	01/2006	0.00%	0.00%			0.00%
DEPRECIATION - Rate Area 26-00	26:252 271240:RA26-00	271240-CIAC-Tax Meters-Water - None	252/271-CAC/CIAC	1/1/2014 0:00	01/2006	0.00%	0.00%			0.00%
DEPRECIATION - Rate Area 26-00	26:252 271250:RA26-00	271250-CIAC-Tax Hydrants-Water - None	252/271-CAC/CIAC	1/1/2014 0:00	01/2006	0.00%	0.00%			0.00%
DEPRECIATION - Rate Area 26-00	26:252 271260:RA26-00	271260-CIAC-Tax Other-Water - None	252/271-CAC/CIAC	1/1/2014 0:00	01/2006	0.00%	0.00%			0.00%
DEPRECIATION - Rate Area 26-00	26:271110:RA26-00	271110-CIAC-NT Mains-Water - None	252/271-CAC/CIAC	1/1/2014 0:00	09/2012	1.08%	0.17%		271110	1.25%
DEPRECIATION - Rate Area 26-00	26:271120:RA26-00	271120-CIAC-NT Ext Dep-Water - None	252/271-CAC/CIAC	1/1/2014 0:00	09/2012	1.08%	0.17%		271120	1.25%
DEPRECIATION - Rate Area 26-00	26:271130:RA26-00	271130-CIAC-NT Fire Services-Water - None	252/271-CAC/CIAC	1/1/2014 0:00	10/2008	1.11%	0.00%		271130	1.11%
DEPRECIATION - Rate Area 26-00	26:271140:RA26-00	271140-CIAC-NT Meters-Water - None	252/271-CAC/CIAC	1/1/2014 0:00	09/2012	7.03%	0.20%		271140	7.23%
DEPRECIATION - Rate Area 26-00	26:271150:RA26-00	271150-CIAC-NT Hydrants-Water - None	252/271-CAC/CIAC	1/1/2014 0:00	09/2012	1.97%	0.33%		271150	2.30%
DEPRECIATION - Rate Area 26-00	26:271160:RA26-00	271160-CIAC-NT Other-Water - None	252/271-CAC/CIAC	1/1/2014 0:00	10/2008	1.25%	0.00%		271160	1.25%
DEPRECIATION - Rate Area 26-00	26:271210:RA26-00	271210-CIAC-Tax Mains-Water - None	252/271-CAC/CIAC	1/1/2014 0:00	09/2012	1.08%	0.17%		271210	1.25%
DEPRECIATION - Rate Area 26-00	26:271230:RA26-00	271230-CIAC-Tax Services-Water - None	252/271-CAC/CIAC	1/1/2014 0:00	10/2008	1.11%	0.00%		271230	1.11%
DEPRECIATION - Rate Area 26-00	26:271240:RA26-00	271240-CIAC-Tax Meters-Water - None	252/271-CAC/CIAC	1/1/2014 0:00	09/2012	7.03%	0.20%		271240	7.23%
DEPRECIATION - Rate Area 26-00	26:271250:RA26-00	271250-CIAC-Tax Hydrants-Water - None	252/271-CAC/CIAC	1/1/2014 0:00	09/2012	1.97%	0.33%		271250	2.30%
DEPRECIATION - Rate Area 26-00	26:271260:RA26-00	271260-CIAC-Tax Other-Water - None	252/271-CAC/CIAC	1/1/2014 0:00	10/2008	1.25%	0.00%		271260	1.25%
DEPRECIATION - Rate Area 26-00	26:304100:RA26-00	304100-Struct & Imp-Supply - None	304.2-Struct & Imp-SS & PP	1/1/2014 0:00	10/2008	1.72%	0.26%		304100	1.98%
DEPRECIATION - Rate Area 26-00	26:304200:RA26-00	304200-Struct & Imp-Pumping - None	304.2-Struct & Imp-SS & PP	1/1/2014 0:00	10/2008	1.72%	0.26%		304200	1.98%
DEPRECIATION - Rate Area 26-00	26:304300:RA26-00	304300-Struct & Imp-Treatment - 304300-Struct & Ir	304.3-Struct & Imp-WT	1/1/2014 0:00	10/2008	3.57%	0.54%		304300	4.11%
DEPRECIATION - Rate Area 26-00	26:304301:RA26-00	304300-Struct & Imp-Treatment - 304301-Struct & Ir	304.3-Struct & Imp-WT	1/1/2014 0:00	10/2008	12.06%	0.00%		304301	12.06%
DEPRECIATION - Rate Area 26-00	26:304310:RA26-00	304300-Struct & Imp-Treatment - 304310-Struct & Ir	304.3-Struct & Imp-WT	1/1/2014 0:00	03/2012	3.57%	0.54%		304310	4.11%
DEPRECIATION - Rate Area 26-00	26:304330:RA26-00	304300-Struct & Imp-Treatment - 304330-Struc & Im	304.3-Struct & Imp-WT	1/1/2014 0:00	03/2012	3.57%	0.54%		304330	4.11%
DEPRECIATION - Rate Area 26-00	26:304400:RA26-00	304400-Struct & Imp-T&D - None	304.4-Struct & Imp-T&D	1/1/2014 0:00	10/2008	1.85%	0.28%		304400	2.13%
DEPRECIATION - Rate Area 26-00	26:304500:RA26-00	304500-Struct & Imp-General - None	304.5-Struct & Imp-GP	1/1/2014 0:00	10/2008	0.98%	0.15%		304500	1.13%
DEPRECIATION - Rate Area 26-00	26:304510:RA26-00	304510-Struct & Imp-Cap Lease - None	304.5-Struct & Imp-GP	1/1/2014 0:00	10/2008	0.00%	0.00%		304510	0.00%
DEPRECIATION - Rate Area 26-00	26:304600:RA26-00	304600-Struct & Imp-Offices - None	304.5-Struct & Imp-GP	1/1/2014 0:00	10/2008	0.98%	0.15%		304600	1.13%
DEPRECIATION - Rate Area 26-00	26:304700:RA26-00	304700-Struct & Imp-Store,Shop,Gar - None	304.5-Struct & Imp-GP	1/1/2014 0:00	10/2008	0.63%	0.10%		304700	0.73%
DEPRECIATION - Rate Area 26-00	26:304800:RA26-00	304800-Struct & Imp-Misc - None	304.5-Struct & Imp-GP	1/1/2014 0:00	10/2008	0.43%	0.06%		304800	0.49%
DEPRECIATION - Rate Area 26-00	26:306000:RA26-00	306000-Lake, River & Other Intakes - None	306.2-Lake, River & Oth Intakes	1/1/2014 0:00	10/2008	0.79%	0.04%		306000	0.83%
DEPRECIATION - Rate Area 26-00	26:309000:RA26-00	309000-Supply Mains - None	309.2-Supply Mains	1/1/2014 0:00	10/2008	1.87%	0.00%		309000	1.87%
DEPRECIATION - Rate Area 26-00	26:310000:RA26-00	310000-Power Generation Equip - None	310.2-Power Generation Equip	1/1/2014 0:00	10/2008	11.74%	0.59%		310000	12.33%
DEPRECIATION - Rate Area 26-00	26:311200:RA26-00	311200-Pump Eqp Electric - None	311.2-Pumping Equipment-SS & PP	1/1/2014 0:00	10/2008	2.23%	0.22%		311200	2.45%
DEPRECIATION - Rate Area 26-00	26:311300:RA26-00	311300-Pump Eqp Diesel - None	311.2-Pumping Equipment-SS & PP	1/1/2014 0:00	10/2008	2.27%	0.23%		311300	2.50%
DEPRECIATION - Rate Area 26-00	26:311500:RA26-00	311500-Pump Eqp Other - None	311.2-Pumping Equipment-SS & PP	1/1/2014 0:00	10/2008	1.66%	0.17%		311500	1.83%
DEPRECIATION - Rate Area 26-00	26:311520:RA26-00	311000-Pumping Equipment - 311520-Pump Eqp SO	311.2-Pumping Equipment-SS & PP	1/1/2014 0:00	09/2012	1.66%	0.17%		311520	1.83%
DEPRECIATION - Rate Area 26-00	26:320100:RA26-00	320100-WT Equip Non-Media - None	320.3-Water Treatment Equip	1/1/2014 0:00	10/2008	0.99%	0.10%		320100	1.09%
DEPRECIATION - Rate Area 26-00	26:320200:RA26-00	320200-WT Equip Filter Media - None	320.3-Water Treatment Equip	1/1/2014 0:00	12/2008	30.31%	3.38%		320200	33.69%
DEPRECIATION - Rate Area 26-00	26:330000:RA26-00	330000-Dist Reservoirs & Standpipes - None	330.4-Dist Res & Standpipes	1/1/2014 0:00	10/2008	1.73%	0.35%		330000	2.08%
DEPRECIATION - Rate Area 26-00	26:330003:RA26-00	330003-Tank Repainting - None	330.4-Dist Res & Standpipes	1/1/2014 0:00	10/2008	11.08%	0.00%		330003	11.08%
DEPRECIATION - Rate Area 26-00	26:330100:RA26-00	330100-Elevated Tanks & Standpipes - None	330.4-Dist Res & Standpipes	1/1/2014 0:00	10/2008	2.28%	0.46%		330100	2.74%
DEPRECIATION - Rate Area 26-00	26:330200:RA26-00	330200-Ground Level Tanks - None	330.4-Dist Res & Standpipes	1/1/2014 0:00	10/2008	2.28%	0.46%		330200	2.74%
DEPRECIATION - Rate Area 26-00	26:330300:RA26-00	330300-Below Ground Tanks - None	330.4-Dist Res & Standpipes	1/1/2014 0:00	04/2011	2.28%	0.46%		330300	2.74%
DEPRECIATION - Rate Area 26-00	26:330400:RA26-00	330400-Clearwell - None	330.4-Dist Res & Standpipes	1/1/2014 0:00	10/2008	1.38%	0.27%		330400	1.65%

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rate_type	depr_afudc_method	utility_sub_acct	naruc_acct	start_month	rate_eff_date	life_rate	cor_rate	utility account	Book Depr Rate
DEPRECIATION - Rate Area 26-00	26:331001:RA26-00	331001-T&D Mains - 331001-TD Mains Not Classifiec	331.4-T&D Mains	1/1/2014 0:00	10/2008	1.08%	0.17%	331001	1.25%
DEPRECIATION - Rate Area 26-00	26:331100:RA26-00	331001-T&D Mains - 331100-TD Mains 4in & Less	331.4-T&D Mains	1/1/2014 0:00	10/2008	1.08%	0.17%	331100	1.25%
DEPRECIATION - Rate Area 26-00	26:331200:RA26-00	331001-T&D Mains - 331200-TD Mains 6in to 8in	331.4-T&D Mains	1/1/2014 0:00	10/2008	1.08%	0.17%	331200	1.25%
DEPRECIATION - Rate Area 26-00	26:331210:RA26-00	331001-T&D Mains - 331210-TD Mains 6in to 10in-TI	331.4-T&D Mains	1/1/2014 0:00	10/2008	1.08%	0.17%	331210	1.25%
DEPRECIATION - Rate Area 26-00	26:331300:RA26-00	331001-T&D Mains - 331300-TD Mains 10in to 16in	331.4-T&D Mains	1/1/2014 0:00	10/2008	1.08%	0.17%	331300	1.25%
DEPRECIATION - Rate Area 26-00	26:331350:RA26-00	331001-T&D Mains - 331350-TD Mains 12in & Grtr-T	331.4-T&D Mains	1/1/2014 0:00	10/2008	1.08%	0.17%	331350	1.25%
DEPRECIATION - Rate Area 26-00	26:331400:RA26-00	331001-T&D Mains - 331400-TD Mains 18in & Grtr	331.4-T&D Mains	1/1/2014 0:00	10/2008	1.08%	0.17%	331400	1.25%
DEPRECIATION - Rate Area 26-00	26:333000:RA26-00	333000-Services - None	333.4-Services	1/1/2014 0:00	10/2008	1.11%	0.00%	333000	1.11%
DEPRECIATION - Rate Area 26-00	26:334100:RA26-00	334100-Meters - 334100-Meters	334.4-Meters & Meter Installs	1/1/2014 0:00	10/2008	7.26%	0.21%	334100	7.47%
DEPRECIATION - Rate Area 26-00	26:334110:RA26-00	334100-Meters - 334110-Meters Bronze Case	334.4-Meters & Meter Installs	1/1/2014 0:00	10/2008	7.03%	0.20%	334110	7.23%
DEPRECIATION - Rate Area 26-00	26:334120:RA26-00	334100-Meters - 334120-Meters Plastic Case	334.4-Meters & Meter Installs	1/1/2014 0:00	10/2008	7.03%	0.20%	334120	7.23%
DEPRECIATION - Rate Area 26-00	26:334130:RA26-00	334100-Meters - 334130-Meters Other	334.4-Meters & Meter Installs	1/1/2014 0:00	10/2008	7.03%	0.20%	334130	7.23%
DEPRECIATION - Rate Area 26-00	26:334131:RA26-00	334100-Meters - 334131-Meter Reading Units	334.4-Meters & Meter Installs	1/1/2014 0:00	10/2008	7.03%	0.20%	334131	7.23%
DEPRECIATION - Rate Area 26-00	26:334200:RA26-00	334200-Meter Installations - None	334.4-Meters & Meter Installs	1/1/2014 0:00	10/2008	2.65%	0.08%	334200	2.73%
DEPRECIATION - Rate Area 26-00	26:334300:RA26-00	334300-Meter Vaults - None	334.4-Meters & Meter Installs	1/1/2016 0:00	01/2016	2.65%	0.08%	334300	2.73%
DEPRECIATION - Rate Area 26-00	26:335000:RA26-00	335000-Hydrants - None	335.4-Hydrants	1/1/2014 0:00	10/2008	1.97%	0.33%	335000	2.30%
DEPRECIATION - Rate Area 26-00	26:339200:RA26-00	339200-Other P/E-Supply - None	339.2-Oth Plt & Misc Equip-SS/PP	1/1/2014 0:00	06/2009	4.68%	0.00%	339200	4.68%
DEPRECIATION - Rate Area 26-00	26:339600:RA26-00	339600-Other P/E-CPS - None	339.1-Oth Plt & Misc Equip-Int	1/1/2014 0:00	06/2009	10.00%	0.00%	339600	10.00%
DEPRECIATION - Rate Area 26-00	26:340100:RA26-00	340100-Office Furniture & Equip - None	340.5-Office Furniture & Equip	1/1/2014 0:00	10/2008	1.39%	0.00%	340100	1.39%
DEPRECIATION - Rate Area 26-00	26:340200:RA26-00	340200-Comp & Periph Equip - 340200-Comp & Perij	340.5-Office Furniture & Equip	1/1/2014 0:00	10/2008	2.19%	0.00%	340200	2.19%
DEPRECIATION - Rate Area 26-00	26:340210:RA26-00	340200-Comp & Periph Equip - 340210-Comp & Perij	340.5-Office Furniture & Equip	1/1/2014 0:00	10/2008	2.19%	0.00%	340210	2.19%
DEPRECIATION - Rate Area 26-00	26:340220:RA26-00	340200-Comp & Periph Equip - 340220-Comp & Perij	340.5-Office Furniture & Equip	1/1/2014 0:00	10/2008	2.19%	0.00%	340220	2.19%
DEPRECIATION - Rate Area 26-00	26:340230:RA26-00	340200-Comp & Periph Equip - 340230-Comp & Perij	340.5-Office Furniture & Equip	1/1/2014 0:00	10/2008	2.19%	0.00%	340230	2.19%
DEPRECIATION - Rate Area 26-00	26:340240:RA26-00	340200-Comp & Periph Equip - 340240-Comp & Perij	340.5-Office Furniture & Equip	1/1/2014 0:00	03/2010	2.19%	0.00%	340240	2.19%
DEPRECIATION - Rate Area 26-00	26:340300:RA26-00	340300-Computer Software - 340300-Computer Soft	340.5-Office Furniture & Equip	1/1/2014 0:00	10/2008	1.83%	0.00%	340300	1.83%
DEPRECIATION - Rate Area 26-00	26:340310:RA26-00	340300-Computer Software - 340310-Comp Softwari	340.5-Office Furniture & Equip	1/1/2014 0:00	10/2008	1.83%	0.00%	340310	1.83%
DEPRECIATION - Rate Area 26-00	26:340315:RA26-00	340300-Computer Software - 340315-Comp Softwari	340.5-Office Furniture & Equip	1/1/2014 0:00	11/2012	10.00%	0.00%	340315	10.00%
DEPRECIATION - Rate Area 26-00	26:340320:RA26-00	340300-Computer Software - 340320-Comp Softwari	340.5-Office Furniture & Equip	1/1/2014 0:00	10/2008	1.83%	0.00%	340320	1.83%
DEPRECIATION - Rate Area 26-00	26:340330:RA26-00	340300-Computer Software - 340330-Comp Softwari	340.5-Office Furniture & Equip	1/1/2014 0:00	10/2008	1.83%	0.00%	340330	1.83%
DEPRECIATION - Rate Area 26-00	26:340400:RA26-00	340400-Data Handling Equipment - None	340.5-Office Furniture & Equip	1/1/2014 0:00	10/2008	4.94%	0.00%	340400	4.94%
DEPRECIATION - Rate Area 26-00	26:340500:RA26-00	340500-Other Office Equipment - None	340.5-Office Furniture & Equip	1/1/2014 0:00	10/2008	1.39%	0.00%	340500	1.39%
DEPRECIATION - Rate Area 26-00	26:341100:RA26-00	341100-Trans Equip Lt Duty Trks - None	341.5-Transportation Equip	1/1/2014 0:00	10/2008	18.82%	-2.82%	341100	16.00%
DEPRECIATION - Rate Area 26-00	26:341200:RA26-00	341200-Trans Equip Hvy Duty Trks - None	341.5-Transportation Equip	1/1/2014 0:00	10/2008	19.55%	-2.93%	341200	16.62%
DEPRECIATION - Rate Area 26-00	26:341300:RA26-00	341300-Trans Equip Autos - None	341.5-Transportation Equip	1/1/2014 0:00	10/2008	13.39%	-2.01%	341300	11.38%
DEPRECIATION - Rate Area 26-00	26:341400:RA26-00	341400-Trans Equip Other - None	341.5-Transportation Equip	1/1/2014 0:00	10/2008	8.52%	-1.28%	341400	7.24%
DEPRECIATION - Rate Area 26-00	26:342000:RA26-00	342000-Stores Equipment - None	342.5-Stores Equipment	1/1/2014 0:00	05/2009	4.00%	0.00%	342000	4.00%
DEPRECIATION - Rate Area 26-00	26:343000:RA26-00	343000-Tools,Shop,Garage Equip - None	343.5-Tools, Shop & Garage Equip	1/1/2014 0:00	10/2008	6.89%	0.00%	343000	6.89%
DEPRECIATION - Rate Area 26-00	26:344000:RA26-00	344000-Laboratory Equipment - None	344.5-Laboratory Equipment	1/1/2014 0:00	10/2008	1.01%	0.00%	344000	1.01%
DEPRECIATION - Rate Area 26-00	26:345000:RA26-00	345000-Power Operated Equipment - None	345.5-Power Operated Equip	1/1/2014 0:00	09/2009	7.03%	0.00%	345000	7.03%
DEPRECIATION - Rate Area 26-00	26:346100:RA26-00	346100-Comm Equip Non-Telephone - None	346.5-Communication Equip	1/1/2014 0:00	10/2008	4.21%	0.00%	346100	4.21%
DEPRECIATION - Rate Area 26-00	26:346190:RA26-00	346190-Remote Control & Instrument - None	346.5-Communication Equip	1/1/2014 0:00	10/2008	4.21%	0.00%	346190	4.21%
DEPRECIATION - Rate Area 26-00	26:346200:RA26-00	346200-Comm Equip Telephone - None	346.5-Communication Equip	1/1/2014 0:00	10/2008	3.51%	0.00%	346200	3.51%
DEPRECIATION - Rate Area 26-00	26:347000:RA26-00	347000-Misc Equipment - None	347.5-Misc Equip	1/1/2014 0:00	10/2008	6.33%	0.00%	347000	6.33%
DEPRECIATION - Rate Area 26-00	26:348000:RA26-00	348000-Other Tangible Property - None	348.5-Other Tangible Plant	1/1/2014 0:00	10/2008	5.10%	0.00%	348000	5.10%
DEPRECIATION - Rate Area 26-00	26:Non Depreciable-Tennessee-AM	303500-Land & Land Rights-T&D - 303502-Rights of \	303.4-Land & LR-T&D	1/1/2014 0:00	01/2008	0.00%	0.00%	303500	0.00%
DEPRECIATION - Rate Area 26-00	26:Non Depreciable-Tennessee-AM	303500-Land & Land Rights-T&D - 303500-Land & Ld	303.4-Land & LR-T&D	1/1/2014 0:00	01/2008	0.00%	0.00%	303500	0.00%
DEPRECIATION - Rate Area 26-00	26:Non Depreciable-Tennessee-AM	303600-Land & Land Rights-General - None	303.5-Land & LR-GP	1/1/2014 0:00	01/2008	0.00%	0.00%	303600	0.00%
DEPRECIATION - Rate Area 26-00	26:Non Depreciable-Tennessee-AM	303300-Land & Land Rights-Pumping - None	303.2-Land & LR-SS & PP	1/1/2014 0:00	01/2008	0.00%	0.00%	303300	0.00%
DEPRECIATION - Rate Area 26-00	26:Non Depreciable-Tennessee-AM	303400-Land & Land Rights-Treatment - None	303.3-Land & LR-WT	1/1/2014 0:00	01/2008	0.00%	0.00%	303400	0.00%
DEPRECIATION - Rate Area 26-00	26:Non Depreciable-Tennessee-AM	303500-Land & Land Rights-T&D - 303501-Land-TD	303.4-Land & LR-T&D	1/1/2014 0:00	01/2008	0.00%	0.00%	303500	0.00%

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**Tennessee American Water
Capital Riders
Calculation of Total Revenue Requirement Check**

Line Number	Description	WKP 2019		Check
		Capital Riders Company Totals	In-Serviced SCEP Company Totals	
1	Additions Subject to SEC / EDI and QIIP:	\$ 79,902,541	\$ 79,902,541	\$ -
2	Plus: Cost of Removal less Salvage	9,772,014	9,772,014	-
3	Less: Contributions in Aid to Construction (CIAC)	2,306,691	2,306,691	-
4	Less: Deferred Income Taxes	1,204,104	1,204,104	-
5	Less: Accumulated Depreciation	4,742,511	4,742,511	-
6	Net Investment Supplied Additions:	<u>\$ 81,421,248</u>	<u>\$ 81,421,248</u>	<u>\$ -</u>
7				
8	Pre-Tax Rate of Return:	8.45%	8.45%	
9	Pre-Tax Return on Additions:	<u>\$ 6,881,278</u>	<u>\$ 6,881,278</u>	<u>\$ -</u>
10				
11	Depreciation Expense on SEC / EDI / QIIP Additions:	1,734,675	1,734,675	-
12				
13	Operational Expenses Related to Riders	-	-	-
14				
15	Property and Franchise Taxes Associated with SEC / EDI / QIIP:	<u>960,594</u>	<u>960,594</u>	<u>-</u>
16				
17	Total Revenues:	<u>\$ 9,576,547</u>	<u>\$ 9,576,547</u>	<u>-</u>
18				
19	Revenue Taxes	3.19%	3.19%	
20	Total Revenues with Revenue Taxes	<u>\$ 9,892,208</u>	<u>\$ 9,892,208</u>	<u>\$ -</u>
21				
22	APP Revenue Reduction	<u>(20,425)</u>	<u>(20,425)</u>	<u>-</u>
23				
24	Revenues with Revenue Taxes & APP Reduction	<u>\$ 9,871,782</u>	<u>\$ 9,871,782</u>	<u>\$ -</u>
25				
26	Service Charge and Volumetric Revenues as Per Docket No. 12-00049	<u>\$ 47,073,724</u>	<u>\$ 47,073,724</u>	
27				
28	Percentage to Apply to Bill:	<u>20.97%</u>	<u>20.97%</u>	
29				

**Tennessee American Water Company
Qualified Infrastructure Improvement Program (QIIP)
Economic Development Investment Rider (EDI)
Safety and Environmental Compliance Rider (SEC)
Cumulative Plant Additions Reconciliation**

Cumulative Balances by Year For 2019

				2014	2015	2016	2017	2018	2019	Total	Total	
				Actual	Actual	Actual	Actual	SCEP	SCEP	Total	2019	
				Total Capital	Total Capital	Total Capital	Total Capital	Total Capital	Total Capital	Capital	In-Serviced	
Line	Rate	Project ID	Project Description	Expenditure	Expenditure	Expenditure	Expenditure	Expenditure	Expenditure	Expenditure	Balance at	Balance for
No.	Mechanism			Additions	Additions	Additions	Additions	Additions	Additions	Additions	Year-End	Filing
1	QIIP	B	Mains - Replaced / Restored	\$854,442	\$1,139,159	\$739,483	\$2,873,538	\$1,725,000	\$1,875,000	\$9,206,621	\$9,206,621	\$8,259,314
2		C	Mains - Unscheduled	979,105	901,601	2,283,095	1,845,229	1,029,000	1,755,000	8,793,029	8,793,029	7,915,704
3		D	Mains - Relocated	69,470	1,354,295	134,725	2,222,174	109,989	274,972	4,165,625	4,165,625	4,034,869
4		F	Hydrants, Valves, and Manholes - Replaced	240,583	291,442	115,377	170,118	422,000	442,000	1,681,519	1,681,519	1,467,789
5		H	Services and Laterals - Replaced	442,503	428,990	412,814	605,223	630,250	697,000	3,216,779	3,216,779	2,868,779
6		J	Meters - Replaced	661,479	1,110,106	886,761	1,753,719	2,255,940	4,255,000	10,923,006	10,923,006	8,889,592
7		R	Capitalized Tank Rehabilitation/Painting	2,360,061	563,571	(908,459)	1,087,213	1,000,000	1,125,000	5,227,386	5,227,386	4,727,386
8		I26-020028	Citico Plant Improvements Phase 1B (\$8.6)	0	0	8,387,200	32,603	0	0	8,419,803	8,419,803	8,419,803
9		I26-020034	Tennessee River Crossing (\$2.5)	0	0	0	0	2,414,209	0	2,414,209	2,414,209	2,414,209
10		I26-020045	Remove Filter Bldg 3	0	0	0	0	159,824	0	159,824	159,824	159,824
11		I26-020039	Repl Basin 2 & Plate Settlers	0	0	0	0	0	2,516,250	2,516,250	2,516,250	385,005
12		I26-020038	Retire Basin 1	0	0	0	0	0	0	0	0	0
13												
14			QIIP Total	5,607,642	5,789,163	12,050,995	10,589,816	9,746,212	12,940,223	56,724,051	56,724,051	49,542,272
15												
16												
17	EDI	A	Mains - New	0	470,769	175,447	338,353	963,096	1,000,100	2,947,764	2,947,764	2,428,482
18		E	Hydrants, Valves, and Manholes - New	62,504	75,734	50,970	70,004	133,000	144,000	536,212	536,212	464,519
19												
20			EDI Total	62,504	546,502	226,417	408,356	1,096,096	1,144,100	3,483,976	3,483,976	2,893,001
21												
22												
23	SEC	L	SCADA Equipment and Systems	487,736	258,474	180,161	165,235	159,984	141,986	1,393,575	1,393,575	1,318,890
24		M	Security Equipment and Systems	6,193	131,615	103,084	157,018	150,000	135,000	682,911	682,911	621,564
25		Q	Process Plant Facilities and Equipment	659,218	2,595,889	990,220	3,152,185	890,000	1,765,000	10,052,512	10,052,512	9,100,974
26		I26-020032	Wastewater Treatm't & Handling Impr (\$15.3)	0	15,043,463	522,140	(18,995)	0	0	15,546,608	15,546,608	15,546,608
27		I26-050002	Facility Upgrades at Whitwell WTP (\$0.3)	0	0	0	350,105	0	0	350,105	350,105	350,105
28		I26-050004	Replace 0.1 MG Storage Tank at Whitwell (\$0.3)	0	0	0	0	254,153	0	254,153	254,153	254,153
29		I26-020040	Chlorine Gas Conversion	0	0	0	0	0	3,574,646	3,574,646	3,574,646	274,973
30												
31			SEC Total	1,153,147	18,029,441	1,795,604	3,805,550	1,454,137	5,616,632	31,854,510	31,854,510	27,467,267
32												
33			Grand Total	\$6,823,293	\$24,365,106	\$14,073,016	\$14,803,722	\$12,296,445	\$19,700,954	\$92,062,537	\$92,062,537	\$79,902,541
34												
35			From In-Service & SCEP Tabs	\$6,823,293	\$24,365,106	\$14,073,016	\$14,803,722	\$12,296,445	\$19,700,954	\$92,062,537	\$92,062,537	\$79,902,541
36												
37			Variance	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
38												
39												

**Tennessee American Water Company
Qualified Infrastructure Improvement Program (QIIP)
Economic Development Investment Rider (EDI)
Safety and Environmental Compliance Rider (SEC)
Retirements Reconciliation**

[illegible]

**Tennessee American Water Company
Qualified Infrastructure Improvement Program (QIIP)
Economic Development Investment Rider (EDI)
Safety and Environmental Compliance Rider (SEC)
Cost of Removal Reconciliation**

[illegible]

Tennessee American Water Company
Qualified Infrastructure Improvement Program
Economic Development Rider
Safety and Environmental Compliance Rider

STRATEGIC CAPITAL EXPENDITURE PLAN
PROGRAM

Business Unit Tennessee
Revision Date 10/22/18
Description TN BP 2019-2021 TN BP 2019-2023 SCEP

Line #	Business Unit No.	Project Title	Account	Account Description	Portion to Account (2)	In-Service (Months) (3)	Dep Rate	Prior Year Period 11 Spend	Prior Year Period 12 Spend	2018 SCEP Reforecast	Prior 2018 SCEP In-Serviced
1		RECURRING PROJECTS									
2	TN	DV		Projects Funded by Others							
3	TN	DV	331001	Transmission & Distribution Mains	0.0%	1	1.25%				\$ -
4	TN	DV	333000	Services	0.0%	1	1.11%				0
5			335000	Hydrants	0.0%	1	2.30%				0
6	TN	A	331001	Transmission & Distribution Mains	92.0%	1	1.25%				1,791,104
7	TN	A	333000	Services	0.8%	1	1.11%				14,755
8	TN	A	334300	Meter Vaults	1.8%	1	2.73%				35,969
9	TN	A	335000	Hydrants	5.4%	1	2.30%				105,836
10											
11	TN	B	331001	Transmission & Distribution Mains	88.3%	1	1.25%				6,526,486
12	TN	B	333000	Services	9.8%	1	1.11%				655,697
13	TN	B	335000	Hydrants	1.9%	1	2.30%				149,438
14											
15	TN	C	331001	Transmission & Distribution Mains	99.9%	1	1.25%				7,032,032
16	TN	C	335000	Hydrants	0.1%	1	2.30%				5,997
17											
18	TN	D	331001	Transmission & Distribution Mains	94.5%	1	1.25%	-	-		3,679,968
19	TN	D	333000	Services	1.3%	1	1.11%	-	-		49,665
20	TN	D	335000	Hydrants	4.2%	1	2.30%	-	-		161,020
21											
22	TN	E	331001	Transmission & Distribution Mains	83.7%	1	1.25%				299,985
23	TN	E	335000	Hydrants	16.3%	1	2.30%				92,227
24											
25	TN	F	331001	Transmission & Distribution Mains	29.4%	1	1.25%				315,568
26	TN	F	335000	Hydrants	70.6%	1	2.30%				923,952
27											
28	TN	G	333000	Services	100.0%	1	1.11%				993,000
29											
30	TN	H	333000	Services	98.8%	1	1.11%				2,495,359
31	TN	H	334100	Meters	1.2%	1	7.47%				24,420
32											
33	TN	I	334100	Meters	48.5%	1	7.47%				115,353
34	TN	I	334200	Meter Installations	51.5%	1	2.73%				122,347
35											
36	TN	J	334100	Meters	14.8%	1	7.47%				931,174
37	TN	J	334200	Meter Installations	85.2%	1	2.73%				5,736,832
38											
39	TN	K	340200	Computer & Peripheral Equipment	0.0%	1	2.19%				0
40											
41	TN	L	320100	WT Equip Non-Media	0.0%	1	1.09%				268,337
42	TN	L	340200	Computer & Peripheral Equipment	6.3%	1	2.19%				65,457
43	TN	L	346100	Comm Equip Non-Telephone	-2.7%	1	4.21%				36,824
44	TN	L	346190	Remote Control & Instrument	96.4%	1	4.21%				880,971
45											
46	TN	M	304100	Struct & Imp-Supply	5.2%		1.98%				28,033
47	TN	M	304200	Struct & Imp-Pumping	0.0%		1.98%				0
48	TN	M	304300	Structures & Improvement - Treatment	80.9%	1	4.11%				438,003
49	TN	M	304400	Struct & Imp-Treatment-T&D	12.5%	1	2.13%				67,884
50	TN	M	304500	Structures & Improvement - General	0.0%	1	1.13%				6,193
51	TN	M	340200	Computer & Peripheral Equipment	1.4%		2.19%				7,798
52											
53	TN	N	304500	Structures & Improvement - General	0.0%	1	1.13%				0
54											
55	TN	O	341100	Transportation Equip Lt Duty Trucks	0.0%	1	16.00%				0
56	TN	O	341200	Transportation Equip Hvy Duty Trucks	0.0%	1	16.62%				0

Tennessee American Water Company
Qualified Infrastructure Improvement Program
Economic Development Rider
Safety and Environmental Compliance Rider

STRATEGIC CAPITAL EXPENDITURE PLAN
PROGRAM

Business Unit Tennessee
Revision Date 10/22/18
Description TN BP 2019-20 TI TN BP 2019-2023 SCEP

Line #	Business Unit No.	Project Title	Account	Account Description	Portion to Account (2)	In-Service (Months) (3)	Dep Rate	Prior Year Period 11 Spend	Prior Year Period 12 Spend	2018 SCEP Reforecast	Prior 2018 SCEP In-Serviced
57	TN	O	341300	Transportation Equip Autos	0.0%	1	11.38%				0
58											
59	TN	P	343000	Tools, Shop, Garage Equipment	0.0%	1	6.89%				0
60											
61	TN	Q	304100	Struct & Imp-Supply	8.6%	1	1.98%				788,711
62	TN	Q	304200	Struct & Imp-Pumping	12.4%	1	1.98%				943,521
63	TN	Q	304300	Struct & Imp-Treatment	2.3%	1	4.11%				172,074
64	TN	Q	304400	Struct & Imp-Treatment-T&D	0.4%	1	2.13%				29,071
65	TN	Q	304500	Structures & Improvement - General	0.9%	1	1.13%				69,327
66	TN	Q	304600	Struc & Imp-Offices	0.1%	1	1.13%				8,510
67	TN	Q	304700	Struct & Imp-Store,Shop,Garage	0.0%	1	0.73%				0
68	TN	Q	306000	Lake, River & Other Intakes	0.4%	1	0.83%				27,449
69	TN	Q	309000	Supply Mains	0.0%	1	1.87%				9,862
70	TN	Q	310000	Power Generation Equip	0.2%	1	12.33%				41,433
71	TN	Q	311200	Pump Eqp Electric	0.6%	1	2.45%				46,837
72	TN	Q	311520	Pumping Equipment SOS	24.0%	1	1.83%				1,949,904
73	TN	Q	320100	WT Equip Non-Media	33.6%	1	1.09%				2,943,089
74	TN	Q	320200	Water Trmt Equip Filter Media	13.7%	1	33.69%				1,045,279
75	TN	Q	330000	Dist Reservoirs & Standpipes	0.4%	1	2.08%				26,807
76	TN	Q	331001	Transmission & Distribution Mains	0.0%	1	1.25%				0
77	TN	Q	334100	Meters	0.0%	1	7.47%				0
78	TN	Q	340200	Computer & Peripheral Equipment	0.0%	1	2.19%				0
79	TN	Q	340300	Computer Software	1.5%	1	1.83%				112,560
80	TN	Q	340330	Computer Software Other	0.0%	1	1.83%				1,106
81	TN	Q	343000	Tools, Shop, Garage Equipment	0.0%	1	6.89%				3,729
82	TN	Q	344000	Laboratory Equipment	0.1%	1	1.01%				5,546
83	TN	Q	345000	Power Operated Equipment	0.6%	1	7.03%				46,965
84	TN	Q	346190	Remote Control & Instrument	0.1%	1	4.21%				6,910
85	TN	Q	347000	Misc Equipment	0.1%	1	6.33%				8,823
86											
87	TN	R	304300	Struct & Imp-Treatment	0.0%	1	4.11%				0
88	TN	R	304301	Struct & Imp-Treatment-Dpr Paint	0.0%	1	12.06%				1,250,689
89	TN	R	320100	WT Equip Non-Media	0.0%	1	1.09%				259,932
90	TN	R	320200	Water Trmt Equip Filter Media	0.0%	1	33.69%				52,740
91	TN	R	330000	Dist Reservoirs & Standpipes	0.0%	1	2.08%				23,186
92	TN	R	330003	Tank Repainting	62.0%	1	11.08%				1,560,497
93	TN	R	330100	Elevated Tanks & Standpipes	6.0%	1	2.74%				150,354
94	TN	R	330200	Ground Level Tanks	32.0%	1	2.74%				804,988
95											
96	TN	S	331001	Transmission & Distribution Mains	0.0%	1	1.25%				0
97											
98											
99											
100											
101											
102											
103											
104	TN	T26-0202	340315	Computer Software Special Deprec Rate			10.00%				0
105	TN	T26-0203	340315	Computer Software Special Deprec Rate			10.00%				0
106											
107											
108											
109	TN	I26-020017		Electrical Motor Efficiency Enhancement (\$2.9)		7/17/2018					0
110	TN	I26-020027		Construct 1.0MG Tank & 2500-16" ER (\$1.0)	12/31/2022	7/31/2019					0
111	TN	I26-020028	304300	Citico Plant Improvements Phase 1B (\$8.6)	6/1/2016	6/1/2016	4.11%				6,103,569

Inception to Date
Spend

2016 SCEP
Reforecast

**Tennessee American Water Company
Qualified Infrastructure Improvement Program
Economic Development Rider
Safety and Environmental Compliance Rider**

STRATEGIC CAPITAL EXPENDITURE PLAN
PROGRAM

Business Unit	Tennessee
Revision Date	10/22/18
Description	TN BP 2019-2021 TN BP 2019-2023 SCEP

Line #		Business Unit No.	Project Title	Account	Account Description	Portion to Account (2)	In-Service (Months) (3)	Dep Rate	Prior Year Period 11 Spend	Prior Year Period 12 Spend	2018 SCEP Reforecast	Prior 2018 SCEP In-Serviced
112	TN	I26-020028	Wastewater Treatm't & Handling Impr (\$15.3)	320100	WT Equip Non-Media	6/1/2016	6/1/2016	1.09%				2,108,898
113	TN	I26-020028		346190	Remote Control & Instrument	6/1/2016	6/1/2016	4.21%				207,335
114	TN	I26-020032		304200	Struct & Imp-Pumping	11/1/2015	11/1/2015	1.98%				0
115	TN	I26-020032		304300	Struct & Imp-Treatment	11/1/2015	11/1/2015	4.11%				4,141,710
116	TN	I26-020032		304400	Struct & Imp-T&D	11/1/2015	11/1/2015	2.13%				0
117	TN	I26-020032		304500	Structures & Improvement - General	11/1/2015	11/1/2015	1.13%				1,062,411
118	TN	I26-020032		320100	WT Equip Non-Media	11/1/2015	11/1/2015	1.09%				10,336,541
119	TN	I26-020032		330200	Ground Level Tanks	11/1/2015	11/1/2015	2.74%				0
120	TN	I26-020032		347000	Misc Equipment	11/1/2015	11/1/2015	6.33%				5,946
121	TN	I26-020034	Tennessee River Crossing (\$2.5)	331001	Transmission & Distribution Mains	12/31/2018	12/31/2018	1.25%				2,414,209
122	TN	I26-020038	Retire Basin 1	304300	Struct & Imp-WT	11/30/2019	12/31/2020	4.11%				0
123	TN	I26-020039	Basin 2 Tube Settlers	320100	WT Equip Non-Media	10/31/2019	7/30/2018	1.09%			215,000	0
124	TN	I26-020040	Chlorine Gas Conversion	320100	WT Equip Non-Media	12/15/2019	11/30/2020	1.09%			200,000	0
125	TN	I26-020041	Electrical - Breakers and Relays (\$0.6)	311200	Pump Eqp Electric		12/31/2017	2.45%				0
126	TN	I26-020042	Pumping Auxiliary Power (\$1.4)				6/30/2018					0
127	TN	I26-020043	Energy Reduction and Efficiency (\$0.87)			12/31/2020	12/31/2020					0
128	TN	I26-020044	New Raw Water Intake Citico (\$13)			6/30/2022	6/30/2022					0
129	TN	I26-020045	Renovate Filter Bldg 3 (\$0.75)	304300	Struct & Imp-Treatment	3/1/2018	6/30/2018	4.11%				159,824
130	TN	I26-020046	New Field Services Facility (\$4.5)			12/31/2020	12/31/2020					0
131	TN	I26-050001	Raw Water Intake Improvements Whitwell (\$2)			12/31/2021	12/31/2021					0
132	TN	I26-050002	Facility Upgrades at Whitwell WTP (\$0.3)	320100	WT Equip Non-Media	12/29/2017	12/29/2017	1.09%				63,811
133	TN	I26-050002		346190	Remote Control & Instrument	12/29/2017	12/29/2017	4.21%				286,295
134	TN	I26-050003	Replace 0.5 MG Storage Tanks at Whitwell (\$.5)			12/31/2021	12/31/2021					0
135	TN	I26-050004	Replace 0.1 MG Storage Tank at Whitwell (\$0.3)	330200	Ground Level Tanks	12/31/2017	4/30/2018	2.74%				254,153
136	TN	I26-020002	Post Acquisition BD Capex									0
137	TN	I26-000001	Whitwell Acquisition Capital Investment	331001	Transmission & Distribution Mains	12/31/2014	12/31/2014	1.25%				0
138	TN	I26-000001		320200	Water Trmt Equip Filter Media	12/31/2014	12/31/2014	33.69%				0
139	TN	I26-000001		311520	Pumping Equipment SOS	12/31/2014	12/31/2014	1.83%				0
140	TN	I26-000001		340200	Computer & Peripheral Equipment	12/31/2014	12/31/2014	2.19%				0
141												
142			(1) Amounts not reflected in actuals through 2017 or projections based on project costs through 2019.		Total DV Included:						\$	73,592,283
143												
144					Total DV Excluded:						\$	73,592,283
145			(2) From prior docket #s and sourced accounts.									
146			(3) From actual or estimated in-service data provided by the company.		Total Surcharge Amt:						\$	72,361,583
147			(4) Tax depreciation rates utilized by the company.									
148					SEC Total:						\$	26,237,878
149												
150					EDI Total:						\$	2,339,876
151												
152					QIIP Total:						\$	43,783,828
153												

Tennessee American Water Company
Qualified Infrastructure Improvement Program
Economic Development Rider
Safety and Environmental Compliance Rider

STRATEGIC CAPITAL EXPENDITURE PLAN
PROGRAM

Business Unit Tennessee
Revision Date 10/22/18
Description TN BP 2019-2021 TN BP 2019-2023 SCEP

					Cumulative Balance of In-Serviced Plant, from 2019 Capex, by Period					
Line #	Business Unit No.	Project Title	Account	Account Description	1	2	3	4	5	6
1		RECURRING PROJECTS								
2	TN	DV	331001	Projects Funded by Others						
3	TN	DV	333000	Transmission & Distribution Mains	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
4	TN	DV	335000	Services	0	0	0	0	0	0
5				Hydrants	0	0	0	0	0	0
6	TN	A	331001	Mains - New	1,818,695	1,846,287	1,942,856	2,039,426	2,135,996	2,227,967
7	TN	A	333000	Services	14,982	15,210	16,005	16,801	17,596	18,354
8	TN	A	334300	Meter Vaults	36,523	37,077	39,016	40,956	42,895	44,742
9	TN	A	335000	Hydrants	107,467	109,097	114,803	120,509	126,215	131,649
10										
11	TN	B	331001	Mains - Replaced / Restored	6,605,986	6,694,319	6,804,736	6,937,235	7,100,652	7,330,318
12	TN	B	333000	Services	664,500	674,281	686,507	701,178	719,272	744,702
13	TN	B	335000	Hydrants	151,136	153,022	155,379	158,208	161,697	166,600
14										
15	TN	C	331001	Mains - Unscheduled	7,186,546	7,340,810	7,495,324	7,649,838	7,779,376	7,908,915
16	TN	C	335000	Hydrants	6,150	6,303	6,456	6,609	6,738	6,866
17										
18	TN	D	331001	Mains - Relocated	3,694,140	3,713,037	3,741,382	3,769,727	3,798,073	3,821,694
19	TN	D	333000	Services	49,859	50,117	50,505	50,893	51,280	51,603
20	TN	D	335000	Hydrants	161,652	162,495	163,759	165,023	166,287	167,341
21										
22	TN	E	331001	Hydrants, Valves, and Manholes - New	308,986	318,195	327,405	336,824	348,755	360,686
23	TN	E	335000	Hydrants	93,976	95,766	97,556	99,387	101,706	104,026
24										
25	TN	F	331001	Hydrants, Valves, and Manholes - Replaced	323,406	331,318	339,230	354,576	369,921	385,267
26	TN	F	335000	Hydrants	942,738	961,701	980,664	1,017,444	1,054,223	1,091,002
27										
28	TN	G	333000	Services and Laterals - New	1,085,667	1,178,334	1,271,751	1,369,168	1,466,835	1,564,502
29										
30	TN	H	333000	Services and Laterals - Replaced	2,548,724	2,603,324	2,658,864	2,715,391	2,777,848	2,842,381
31	TN	H	334100	Meters	25,055	25,705	26,365	27,038	27,781	28,549
32										
33	TN	I	334100	Meters - New	126,231	137,158	148,085	159,011	169,938	180,865
34	TN	I	334200	Meter Installations	133,885	145,474	157,063	168,653	180,242	191,831
35										
36	TN	J	334100	Meters - Replaced	968,349	1,005,524	1,050,091	1,124,229	1,198,367	1,272,651
37	TN	J	334200	Meter Installations	5,951,090	6,165,348	6,422,213	6,849,508	7,276,803	7,704,937
38										
39	TN	K	340200	ITS Equipment and Systems	0	0	0	0	0	0
40										
41	TN	L	320100	SCADA Equipment and Systems	268,337	268,337	268,337	268,337	268,337	268,337
42	TN	L	340200	WT Equip Non-Media	65,457	66,784	66,784	68,426	68,426	70,163
43	TN	L	346100	Computer & Peripheral Equipment	36,824	36,261	36,261	35,563	35,563	34,825
44	TN	L	346190	Comm Equip Non-Telephone	880,971	901,206	901,206	926,259	926,259	952,757
45										
46	TN	M	304100	Security Equipment and Systems	28,680	29,327	29,974	30,621	31,268	31,914
47	TN	M	304200	Struct & Imp-Supply	0	0	0	0	0	0
48	TN	M	304300	Struct & Imp-Pumping	448,110	458,216	468,323	478,430	488,537	498,644
49	TN	M	304400	Structures & Improvement - Treatment	69,450	71,017	72,583	74,149	75,716	77,282
50	TN	M	304500	Struct & Imp-Treatment-T&D	6,193	6,193	6,193	6,193	6,193	6,193
51	TN	M	340200	Structures & Improvement - General	7,978	8,157	8,337	8,517	8,697	8,877
52										
53	TN	N	304500	Computer & Peripheral Equipment	0	0	0	0	0	0
54										
55	TN	O	341100	Offices and Operations Centers	0	0	0	0	0	0
56	TN	O	341200	Vehicles	0	0	0	0	0	0
				Transportation Equip Lt Duty Trucks	0	0	0	0	0	0
				Transportation Equip Hvy Duty Trucks	0	0	0	0	0	0

Tennessee American Water Company
Qualified Infrastructure Improvement Program
Economic Development Rider
Safety and Environmental Compliance Rider

STRATEGIC CAPITAL EXPENDITURE PLAN
PROGRAM

Business Unit Tennessee
Revision Date 10/22/18
Description TN BP 2019-2021 TN BP 2019-2023 SCEP

						Cumulative Balance of In-Serviced Plant, from 2019 Capex, by Period				
Line #	Business Unit No.	Project Title	Account	Account Description	1	2	3	4	5	6
57	TN	O	341300	Transportation Equip Autos	0	0	0	0	0	0
58										
59	TN	P	343000	Tools, Shop, Garage Equipment	0	0	0	0	0	0
60										
61	TN	Q	304100	Struct & Imp-Supply	796,456	804,202	815,819	827,437	840,776	855,406
62	TN	Q	304200	Struct & Imp-Pumping	954,653	965,785	982,483	999,181	1,018,352	1,039,379
63	TN	Q	304300	Struct & Imp-Treatment	174,104	176,134	179,179	182,225	185,721	189,556
64	TN	Q	304400	Struct & Imp-Treatment-T&D	29,414	29,757	30,271	30,786	31,376	32,024
65	TN	Q	304500	Structures & Improvement - General	70,145	70,963	72,190	73,417	74,826	76,371
66	TN	Q	304600	Struc & Imp-Offices	8,610	8,710	8,861	9,011	9,184	9,374
67	TN	Q	304700	Struct & Imp-Store,Shop,Garage	0	0	0	0	0	0
68	TN	Q	306000	Lake, River & Other Intakes	27,773	28,097	28,583	29,068	29,626	30,238
69	TN	Q	309000	Supply Mains	9,862	9,862	9,862	9,862	9,862	9,862
70	TN	Q	310000	Power Generation Equip	41,626	41,819	42,109	42,399	42,731	43,096
71	TN	Q	311200	Pump Eqp Electric	47,389	47,942	48,771	49,600	50,551	51,595
72	TN	Q	311520	Pumping Equipment SOS	1,971,543	1,993,182	2,025,639	2,058,097	2,095,364	2,136,237
73	TN	Q	320100	WT Equip Non-Media	2,973,373	3,003,658	3,049,084	3,094,511	3,146,667	3,203,871
74	TN	Q	320200	Water Trmt Equip Filter Media	1,057,612	1,069,944	1,088,443	1,106,941	1,128,180	1,151,475
75	TN	Q	330000	Dist Reservoirs & Standpipes	27,123	27,439	27,914	28,388	28,933	29,530
76	TN	Q	331001	Transmission & Distribution Mains	0	0	0	0	0	0
77	TN	Q	334100	Meters	0	0	0	0	0	0
78	TN	Q	340200	Computer & Peripheral Equipment	0	0	0	0	0	0
79	TN	Q	340300	Computer Software	113,888	115,216	117,208	119,200	121,487	123,995
80	TN	Q	340330	Computer Software Other	1,120	1,133	1,152	1,172	1,194	1,219
81	TN	Q	343000	Tools, Shop, Garage Equipment	3,773	3,817	3,883	3,949	4,025	4,108
82	TN	Q	344000	Laboratory Equipment	5,612	5,677	5,775	5,873	5,986	6,110
83	TN	Q	345000	Power Operated Equipment	47,519	48,073	48,904	49,735	50,690	51,736
84	TN	Q	346190	Remote Control & Instrument	6,991	7,073	7,195	7,317	7,458	7,612
85	TN	Q	347000	Misc Equipment	8,927	9,031	9,187	9,343	9,522	9,719
86										
87	TN	R	304300	Struct & Imp-Treatment	0	0	0	0	0	0
88	TN	R	304301	Struct & Imp-Treatment-Dpr Paint	1,250,689	1,250,689	1,250,689	1,250,689	1,250,689	1,250,689
89	TN	R	320100	WT Equip Non-Media	259,932	259,932	259,932	259,932	259,932	259,932
90	TN	R	320200	Water Trmt Equip Filter Media	52,740	52,740	52,740	52,740	52,740	52,740
91	TN	R	330000	Dist Reservoirs & Standpipes	23,186	23,186	23,186	23,221	23,256	23,292
92	TN	R	330003	Tank Repainting	1,560,497	1,560,497	1,560,497	1,715,542	1,870,588	2,025,633
93	TN	R	330100	Elevated Tanks & Standpipes	150,354	150,354	150,354	165,292	180,231	195,169
94	TN	R	330200	Ground Level Tanks	804,988	804,988	804,988	884,969	964,949	1,044,930
95										
96	TN	S	331001	Transmission & Distribution Mains	0	0	0	0	0	0
97										
98										
99				ACQUISITIONS						
100										
101				Total Acquisitions						
102										
103				CENTRALLY SPONSORED PROJECTS						
104	TN	T26-0202	340315	Business Transformation 2010 - 2014 Computer Software Special Deprec Rate						
105	TN	T26-0203	340315	Business Transformation 2010 - 2014 Computer Software Special Deprec Rate						
106				Total Centrally Sponsored Projects						
107										
108				INVESTMENT PROJECTS						
109	TN	I26-020017		Electrical Motor Efficiency Enhancement (\$2.9)	0	0	0	0	0	0
110	TN	I26-020027		Construct 1.0MG Tank & 2500-16" ER (\$1.0)	0	0	0	0	0	0
111	TN	I26-020028	304300	Citico Plant Improvements Phase 1B (\$8.6)	6,103,569	6,103,569	6,103,569	6,103,569	6,103,569	6,103,569

Safety and Environmental Compliance Rider

PROGRAM

Description	TN BP 2019-2021	TN BP 2019-2023 SCEP
1. General Information		
1.1. Project Title		
1.2. Project Number		
1.3. Project Location		
1.4. Project Period		
1.5. Project Lead		
1.6. Project Sponsor		
1.7. Project Stakeholders		
1.8. Project Objectives		
1.9. Project Scope		
1.10. Project Risks		
1.11. Project Budget		
1.12. Project Resources		
1.13. Project Deliverables		
1.14. Project Milestones		
1.15. Project Communication		
1.16. Project Monitoring		
1.17. Project Evaluation		
1.18. Project Reporting		
1.19. Project Documentation		
1.20. Project Archiving		
1.21. Project Termination		
1.22. Project Handover		
1.23. Project Review		
1.24. Project Feedback		
1.25. Project Lessons Learned		
1.26. Project Success Factors		
1.27. Project Challenges		
1.28. Project Opportunities		
1.29. Project Recommendations		
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1.86. Project Solution		
1.87. Project Benefits		
1.88. Project Costs		
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1.90. Project Opportunities		
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QIIP Total:

Tennessee American Water Company
Qualified Infrastructure Improvement Program
Economic Development Rider
Safety and Environmental Compliance Rider

STRATEGIC CAPITAL EXPENDITURE PLAN
PROGRAM

Business Unit Tennessee
Revision Date 10/22/18
Description TN BP 2019-20 TN BP 2019-2023 SCEP

					Cumulative Balance of In-Serviced Plant, from 2019 Capex, by Period						
Line #	Business Unit No.		Project Title	Account	Account Description	7	8	9	10	11	12
1			RECURRING PROJECTS								
2	TN	DV	Projects Funded by Others	331001	Transmission & Distribution Mains	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
3	TN	DV		333000	Services	0	0	0	0	0	0
4	TN	DV		335000	Hydrants	0	0	0	0	0	0
5											
6	TN	A	Mains - New	331001	Transmission & Distribution Mains	2,319,938	2,411,910	2,503,881	2,595,852	2,687,823	2,710,816
7	TN	A		333000	Services	19,111	19,869	20,627	21,384	22,142	22,331
8	TN	A		334300	Meter Vaults	46,588	48,435	50,282	52,129	53,976	54,438
9	TN	A		335000	Hydrants	137,084	142,518	147,952	153,386	158,821	160,179
10											
11	TN	B	Mains - Replaced / Restored	331001	Transmission & Distribution Mains	7,559,985	7,736,651	7,891,234	8,010,484	8,116,484	8,182,734
12	TN	B		333000	Services	770,133	789,694	806,811	820,015	831,752	839,087
13	TN	B		335000	Hydrants	171,504	175,276	178,576	181,122	183,385	184,800
14											
15	TN	C	Mains - Unscheduled	331001	Transmission & Distribution Mains	8,038,454	8,167,992	8,322,506	8,476,770	8,631,035	8,785,295
16	TN	C		335000	Hydrants	6,994	7,123	7,276	7,429	7,582	7,734
17											
18	TN	D	Mains - Relocated	331001	Transmission & Distribution Mains	3,845,315	3,868,936	3,892,557	3,916,178	3,930,350	3,939,799
19	TN	D		333000	Services	51,926	52,249	52,572	52,895	53,089	53,218
20	TN	D		335000	Hydrants	168,394	169,448	170,501	171,555	172,187	172,608
21											
22	TN	E	Hydrants, Valves, and Manholes - New	331001	Transmission & Distribution Mains	372,617	384,548	393,758	402,758	411,759	420,550
23	TN	E		335000	Hydrants	106,345	108,664	110,454	112,203	113,953	115,662
24											
25	TN	F	Hydrants, Valves, and Manholes - Replaced	331001	Transmission & Distribution Mains	400,613	415,958	424,054	431,488	438,922	445,693
26	TN	F		335000	Hydrants	1,127,782	1,164,561	1,183,965	1,201,781	1,219,598	1,235,826
27											
28	TN	G	Services and Laterals - New	333000	Services	1,660,919	1,754,336	1,847,503	1,940,670	2,033,337	2,126,000
29											
30	TN	H	Services and Laterals - Replaced	333000	Services	2,905,826	2,963,342	3,020,857	3,076,446	3,130,800	3,184,165
31	TN	H		334100	Meters	29,303	29,987	30,672	31,333	31,980	32,614
32											
33	TN	I	Meters - New	334100	Meters	191,792	202,718	213,645	224,572	235,499	245,895
34	TN	I		334200	Meter Installations	203,420	215,010	226,599	238,188	249,777	260,805
35											
36	TN	J	Meters - Replaced	334100	Meters	1,346,912	1,421,050	1,465,617	1,500,575	1,530,503	1,560,286
37	TN	J		334200	Meter Installations	8,132,939	8,560,234	8,817,100	9,018,575	9,191,070	9,362,720
38											
39	TN	K	ITS Equipment and Systems	340200	Computer & Peripheral Equipment	0	0	0	0	0	0
40											
41	TN	L	SCADA Equipment and Systems	320100	WT Equip Non-Media	268,337	268,337	268,337	268,337	268,337	268,337
42	TN	L		340200	Computer & Peripheral Equipment	70,163	71,901	71,901	73,164	73,164	74,427
43	TN	L		346100	Comm Equip Non-Telephone	34,825	34,086	34,086	33,550	33,550	33,013
44	TN	L		346190	Remote Control & Instrument	952,757	979,255	979,255	998,527	998,527	1,017,798
45											
46	TN	M	Security Equipment and Systems	304100	Struct & Imp-Supply	32,561	33,208	33,855	34,502	35,019	35,019
47	TN	M		304200	Struct & Imp-Pumping	0	0	0	0	0	0
48	TN	M		304300	Structures & Improvement - Treatment	508,750	518,857	528,964	539,071	547,156	547,156
49	TN	M		304400	Struct & Imp-Treatment-T&D	78,849	80,415	81,981	83,548	84,801	84,801
50	TN	M		304500	Structures & Improvement - General	6,193	6,193	6,193	6,193	6,193	6,193
51	TN	M		340200	Computer & Peripheral Equipment	9,057	9,237	9,417	9,597	9,741	9,741
52											
53	TN	N	Offices and Operations Centers	304500	Structures & Improvement - General	0	0	0	0	0	0
54											
55	TN	O	Vehicles	341100	Transportation Equip Lt Duty Trucks	0	0	0	0	0	0
56	TN	O		341200	Transportation Equip Hvy Duty Trucks	0	0	0	0	0	0

Tennessee American Water Company
Qualified Infrastructure Improvement Program
Economic Development Rider
Safety and Environmental Compliance Rider

STRATEGIC CAPITAL EXPENDITURE PLAN
PROGRAM

Business Unit Tennessee
Revision Date 10/22/18
Description TN BP 2019-20 TN BP 2019-2023 SCEP

					Cumulative Balance of In-Serviced Plant, from 2019 Capex, by Period						
Line #	Business Unit No.		Project Title	Account	Account Description	7	8	9	10	11	12
57	TN	O		341300	Transportation Equip Autos	0	0	0	0	0	0
58											
59	TN	P	Tools and Equipment	343000	Tools, Shop, Garage Equipment	0	0	0	0	0	0
60											
61	TN	Q	Process Plant Facilities and Equipment	304100	Struct & Imp-Supply	870,036	884,666	899,296	913,065	926,834	940,604
62	TN	Q		304200	Struct & Imp-Pumping	1,060,406	1,081,433	1,102,459	1,122,249	1,142,039	1,161,829
63	TN	Q		304300	Struct & Imp-Treatment	193,390	197,225	201,060	204,669	208,278	211,887
64	TN	Q		304400	Struct & Imp-Treatment-T&D	32,672	33,320	33,968	34,577	35,187	35,797
65	TN	Q		304500	Structures & Improvement - General	77,916	79,461	81,006	82,460	83,914	85,368
66	TN	Q		304600	Struc & Imp-Offices	9,564	9,753	9,943	10,121	10,300	10,478
67	TN	Q		304700	Struct & Imp-Store,Shop,Garage	0	0	0	0	0	0
68	TN	Q		306000	Lake, River & Other Intakes	30,849	31,461	32,073	32,649	33,224	33,800
69	TN	Q		309000	Supply Mains	9,862	9,862	9,862	9,862	9,862	9,862
70	TN	Q		310000	Power Generation Equip	43,461	43,825	44,190	44,533	44,877	45,220
71	TN	Q	311200	Pump Eqp Electric	52,639	53,683	54,726	55,709	56,691	57,674	
72	TN	Q	311520	Pumping Equipment SOS	2,177,110	2,217,983	2,258,856	2,297,324	2,335,793	2,374,262	
73	TN	Q	320100	WT Equip Non-Media	3,261,075	3,318,279	3,375,483	3,429,322	3,483,161	3,537,000	
74	TN	Q	320200	Water Trmt Equip Filter Media	1,174,769	1,198,064	1,221,358	1,243,283	1,265,207	1,287,131	
75	TN	Q	330000	Dist Reservoirs & Standpipes	30,128	30,725	31,323	31,885	32,447	33,009	
76	TN	Q	331001	Transmission & Distribution Mains	0	0	0	0	0	0	
77	TN	Q	334100	Meters	0	0	0	0	0	0	
78	TN	Q	340200	Computer & Peripheral Equipment	0	0	0	0	0	0	
79	TN	Q	340300	Computer Software	126,504	129,012	131,521	133,881	136,242	138,603	
80	TN	Q	340330	Computer Software Other	1,244	1,268	1,293	1,316	1,339	1,362	
81	TN	Q	343000	Tools, Shop, Garage Equipment	4,191	4,274	4,357	4,436	4,514	4,592	
82	TN	Q	344000	Laboratory Equipment	6,233	6,357	6,480	6,597	6,713	6,829	
83	TN	Q	345000	Power Operated Equipment	52,783	53,830	54,876	55,861	56,846	57,831	
84	TN	Q	346190	Remote Control & Instrument	7,766	7,920	8,074	8,219	8,364	8,509	
85	TN	Q	347000	Misc Equipment	9,915	10,112	10,309	10,494	10,679	10,864	
86											
87	TN	R	Capitalized Tank Rehabilitation/Painting	304300	Struct & Imp-Treatment	0	0	0	0	0	0
88	TN	R		304301	Struct & Imp-Treatment-Dpr Paint	1,250,689	1,250,689	1,250,689	1,250,689	1,250,689	1,250,689
89	TN	R		320100	WT Equip Non-Media	259,932	259,932	259,932	259,932	259,932	259,932
90	TN	R		320200	Water Trmt Equip Filter Media	52,740	52,740	52,740	52,740	52,740	52,740
91	TN	R		330000	Dist Reservoirs & Standpipes	23,327	23,344	23,344	23,344	23,344	23,344
92	TN	R		330003	Tank Repainting	2,180,679	2,258,201	2,258,201	2,258,201	2,258,201	2,258,201
93	TN	R		330100	Elevated Tanks & Standpipes	210,108	217,577	217,577	217,577	217,577	217,577
94	TN	R		330200	Ground Level Tanks	1,124,911	1,164,901	1,164,901	1,164,901	1,164,901	1,164,901
95											
96	TN	S	Engineering Studies	331001	Transmission & Distribution Mains	0	0	0	0	0	0
97			Total Recurring Projects								
98											
99			ACQUISITIONS								
100											
101			Total Acquisitions								
102											
103			CENTRALLY SPONSORED PROJECTS								
104	TN	T26-0202	Business Transformation 2010 - 2014	340315	Computer Software Special Deprec Rate						
105	TN	T26-0203	Business Transformation 2010 - 2014	340315	Computer Software Special Deprec Rate						
106			Total Centrally Sponsored Projects								
107											
108			INVESTMENT PROJECTS								
109	TN	I26-020017	Electrical Motor Efficiency Enhancement (\$2.9)			0	0	0	0	0	0
110	TN	I26-020027	Construct 1.0MG Tank & 2500-16" ER (\$1.0)			0	0	0	0	0	0
111	TN	I26-020028	Citico Plant Improvements Phase 1B (\$8.6)	304300	Struct & Imp-Treatment	6,103,569	6,103,569	6,103,569	6,103,569	6,103,569	6,103,569

**Tennessee American Water Company
Qualified Infrastructure Improvement Program
Economic Development Rider
Safety and Environmental Compliance Rider**

STRATEGIC CAPITAL EXPENDITURE PLAN PROGRAM

Business Unit	Tennessee
Revision Date	10/22/18
Description	TN BP 2019-20TITN BP 2019-2023 SCEP

					Cumulative Balance of In-Serviced Plant, from 2019 Capex, by Period						
Line #	Business Unit No.		Project Title	Account	Account Description	7	8	9	10	11	12
112	TN	I26-020028	Wastewater Treatm't & Handling Impr (\$15.3)	320100	WT Equip Non-Media	2,108,898	2,108,898	2,108,898	2,108,898	2,108,898	2,108,898
113	TN	I26-020028		346190	Remote Control & Instrument	207,335	207,335	207,335	207,335	207,335	207,335
114	TN	I26-020032		304200	Struct & Imp-Pumping	0	0	0	0	0	0
115	TN	I26-020032		304300	Struct & Imp-Treatment	4,141,710	4,141,710	4,141,710	4,141,710	4,141,710	4,141,710
116	TN	I26-020032		304400	Struct & Imp-T&D	0	0	0	0	0	0
117	TN	I26-020032		304500	Structures & Improvement - General	1,062,411	1,062,411	1,062,411	1,062,411	1,062,411	1,062,411
118	TN	I26-020032		320100	WT Equip Non-Media	10,336,541	10,336,541	10,336,541	10,336,541	10,336,541	10,336,541
119	TN	I26-020032		330200	Ground Level Tanks	0	0	0	0	0	0
120	TN	I26-020032		347000	Misc Equipment	5,946	5,946	5,946	5,946	5,946	5,946
121	TN	I26-020034		Tennessee River Crossing (\$2.5)	331001	Transmission & Distribution Mains	2,414,209	2,414,209	2,414,209	2,414,209	2,414,209
122	TN	I26-020038	Retire Basin 1	304300	Struct & Imp-WT	0	0	0	0	0	0
123	TN	I26-020039	Basin 2 Tube Settlers	320100	WT Equip Non-Media	0	0	0	0	2,488,812	2,516,250
124	TN	I26-020040	Chlorine Gas Conversion	320100	WT Equip Non-Media	0	0	0	0	0	3,574,646
125	TN	I26-020041	Electrical - Breakers and Relays (\$0.6)	311200	Pump Eqp Electric	0	0	0	0	0	0
126	TN	I26-020042	Pumping Auxiliary Power (\$1.4)		0	0	0	0	0	0	0
127	TN	I26-020043	Energy Reduction and Efficiency (\$0.87)		0	0	0	0	0	0	0
128	TN	I26-020044	New Raw Water Intake Crtico (\$13)		0	0	0	0	0	0	0
129	TN	I26-020045	Renovate Filter Bldg 3 (\$0.75)	304300	Struct & Imp-Treatment	159,824	159,824	159,824	159,824	159,824	159,824
130	TN	I26-020046	New Field Services Facility (\$4.5)		0	0	0	0	0	0	0
131	TN	I26-050001	Raw Water Intake Improvements Whitwell (\$2)		0	0	0	0	0	0	0
132	TN	I26-050002	Facility Upgrades at Whitwell WTP (\$0.3)	320100	WT Equip Non-Media	63,811	63,811	63,811	63,811	63,811	63,811
133	TN	I26-050002		346190	Remote Control & Instrument	286,295	286,295	286,295	286,295	286,295	286,295
134	TN	I26-050003	Replace 0.5 MG Storage Tanks at Whitwell (\$.5)		0	0	0	0	0	0	0
135	TN	I26-050004	Replace 0.1 MG Storage Tank at Whitwell (\$0.3)	330200	Ground Level Tanks	254,153	254,153	254,153	254,153	254,153	254,153
136	TN	I26-020002	Post Acquisition BD Capex		0	0	0	0	0	0	0
137	TN	I26-000001	Whitwell Acquisition Capital Investment	331001	Transmission & Distribution Mains	0	0	0	0	0	0
138	TN	I26-000001		320200	Water Trmt Equip Filter Media	0	0	0	0	0	0
139	TN	I26-000001		311520	Pumping Equipment SOS	0	0	0	0	0	0
140	TN	I26-000001		340200	Computer & Peripheral Equipment	0	0	0	0	0	0
141											
142	(1) Amounts not reflected in actuals through 2017 or projections based on project costs through 2019.				Total DV Included:						94,695,237
143											
144					Total DV Excluded:						94,695,237
145											
146	(2) From prior docket #s and sourced accounts.										
146	(3) From actual or estimated in-service data provided by the company.				Total Surcharge Amt:						92,062,537
147											
148	(4) Tax depreciation rates utilized by the company.										
149											
150					SEC Total:						31,854,510
151											
152					EDI Total:						3,483,976
153											
					QIIP Total:						56,724,051

Tennessee American Water Company
Qualified Infrastructure Improvement Program
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STRATEGIC CAPITAL EXPENDITURE PLAN
PROGRAM

Business Unit Tennessee
Revision Date 10/22/18
Description TN BP 2019-20 TN BP 2019-2023 SCEP

2019

Line #	Business Unit No.	Project Title	Account	Account Description	Surcharge	Average Plant in Service	Average Retires (Replacement Projects Only)	Average CIAC	Depreciation Expense	Cost of Removal Less Salvage
1		RECURRING PROJECTS								
2	TN	DV		Projects Funded by Others						
3	TN	DV	331001	Transmission & Distribution Mains		\$ -	\$ -	\$ -	\$ -	\$ -
4	TN	DV	333000	Services		0	0	0	0	0
5			335000	Hydrants		0	0	0	0	0
6	TN	A		Mains - New						
7	TN	A	331001	Transmission & Distribution Mains	EDI	2,233,273	0	0	27,916	0
8	TN	A	333000	Services	EDI	18,398	0	0	204	0
9	TN	A	334300	Meter Vaults	EDI	44,848	0	0	1,224	0
10			335000	Hydrants	EDI	131,963	0	0	3,035	0
11	TN	B		Mains - Replaced / Restored						
12	TN	B	331001	Transmission & Distribution Mains	QIIP	7,345,947	(403,920)	0	86,775	105,790
13	TN	B	333000	Services	QIIP	746,433	(668)	0	8,278	75,817
14			335000	Hydrants	QIIP	166,934	(2,164)	0	3,790	977
15	TN	C		Mains - Unscheduled						
16	TN	C	331001	Transmission & Distribution Mains	QIIP	7,908,838	(576,283)	0	91,657	892,168
17			335000	Hydrants	QIIP	6,866	0	0	158	0
18	TN	D		Mains - Relocated						
19	TN	D	331001	Transmission & Distribution Mains	QIIP	3,816,243	(151,462)	(2,133,047)	19,147	133,870
20	TN	D	333000	Services	QIIP	51,529	0	(29,877)	240	49,770
21			335000	Hydrants	QIIP	167,098	(68,426)	(115,923)	(397)	0
22	TN	E		Hydrants, Valves, and Manholes - New						
23	TN	E	331001	Transmission & Distribution Mains	EDI	360,525	0	0	4,507	0
24			335000	Hydrants	EDI	103,994	(1,799)	(22,345)	1,837	1,904
25	TN	F		Hydrants, Valves, and Manholes - Replaced						
26	TN	F	331001	Transmission & Distribution Mains	QIIP	382,770	(39,507)	0	4,291	96,903
27			335000	Hydrants	QIIP	1,085,018	(98,824)	(5,500)	22,556	48,898
28	TN	G		Services and Laterals - New						
29			333000	Services		1,560,925	0	0	17,326	0
30	TN	H		Services and Laterals - Replaced						
31	TN	H	333000	Services	QIIP	2,840,256	(121,783)	0	30,175	783,286
32			334100	Meters	QIIP	28,523	(14,459)	0	1,051	20,384
33	TN	I		Meters - New						
34	TN	I	334100	Meters		180,828	0	0	13,508	0
35			334200	Meter Installations		191,792	0	0	5,236	0
36	TN	J		Meters - Replaced						
37	TN	J	334100	Meters	QIIP	1,259,641	(3,406,811)	0	(160,394)	390,368
38			334200	Meter Installations	QIIP	7,629,951	(957,191)	0	182,166	1,392,981
39	TN	K		ITS Equipment and Systems						
40			340200	Computer & Peripheral Equipment		0	0	0	0	0
41	TN	L		SCADA Equipment and Systems						
42	TN	L	320100	WT Equip Non-Media	SEC	268,337	(12,365)	0	2,790	5,933
43	TN	L	340200	Computer & Peripheral Equipment	SEC	69,709	0	0	1,527	2,449
44	TN	L	346100	Comm Equip Non-Telephone	SEC	35,018	0	0	1,474	0
45			346190	Remote Control & Instrument	SEC	945,827	(105,369)	0	35,383	63,645
46	TN	M		Security Equipment and Systems						
47	TN	M	304100	Struct & Imp-Supply	SEC	31,845	0	0	631	0
48	TN	M	304200	Struct & Imp-Pumping	SEC	0	(10,202)	0	(202)	0
49	TN	M	304300	Structures & Improvement - Treatment	SEC	497,555	(8,826)	0	20,087	15,782
50	TN	M	304400	Struct & Imp-Treatment-T&D	SEC	77,114	0	0	1,643	0
51	TN	M	304500	Structures & Improvement - General	SEC	6,193	0	0	70	0
52			340200	Computer & Peripheral Equipment	SEC	8,858	0	0	194	0
53	TN	N		Offices and Operations Centers						
54			304500	Structures & Improvement - General		0	0	0	0	0
55	TN	O		Vehicles						
56	TN	O	341100	Transportation Equip Lt Duty Trucks		0	0	0	0	0
			341200	Transportation Equip Hvy Duty Trucks		0	0	0	0	0

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STRATEGIC CAPITAL EXPENDITURE PLAN
PROGRAM

Business Unit Tennessee
Revision Date 10/22/18
Description TN BP 2019-20 TN BP 2019-2023 SCEP

2019

Line #	Business Unit No.	Project Title	Account	Account Description	Surcharge	Average Plant in Service	Average Retires (Replacement Projects Only)	Average CIAC	Depreciation Expense	Cost of Removal Less Salvage
57	TN	O	341300	Transportation Equip Autos		0	0	0	0	0
58										
59	TN	P	343000	Tools, Shop, Garage Equipment		0	0	0	0	0
60										
61	TN	Q	304100	Struct & Imp-Supply	SEC	858,716	0	0	17,003	874
62	TN	Q	304200	Struct & Imp-Pumping	SEC	1,044,136	(28,440)	0	20,111	40,720
63	TN	Q	304300	Struct & Imp-Treatment	SEC	190,423	(18,823)	0	7,053	2,628
64	TN	Q	304400	Struct & Imp-Treatment-T&D	SEC	32,171	0	0	685	0
65	TN	Q	304500	Structures & Improvement - General	SEC	76,720	0	0	867	277
66	TN	Q	304600	Struc & Imp-Offices	SEC	9,417	0	0	106	0
67	TN	Q	304700	Struct & Imp-Store,Shop,Garage	SEC	0	(7,869)	0	(57)	1
68	TN	Q	306000	Lake, River & Other Intakes	SEC	30,376	0	0	252	313
69	TN	Q	309000	Supply Mains	SEC	9,862	0	0	184	0
70	TN	Q	310000	Power Generation Equip	SEC	43,178	0	0	5,324	115
71	TN	Q	311200	Pump Eqp Electric	SEC	51,831	(165,004)	0	(2,773)	49,517
72	TN	Q	311520	Pumping Equipment SOS	SEC	2,145,484	(74,947)	0	37,891	41,384
73	TN	Q	320100	WT Equip Non-Media	SEC	3,216,813	(604,473)	0	28,475	389,729
74	TN	Q	320200	Water Trmt Equip Filter Media	SEC	1,156,745	(449,717)	0	238,198	489,873
75	TN	Q	330000	Dist Reservoirs & Standpipes	SEC	29,665	(0)	0	617	0
76	TN	Q	331001	Transmission & Distribution Mains	SEC	0	(1,011)	0	(13)	0
77	TN	Q	334100	Meters	SEC	0	0	0	0	0
78	TN	Q	340200	Computer & Peripheral Equipment	SEC	0	(0)	0	(0)	105
79	TN	Q	340300	Computer Software	SEC	124,563	0	0	2,279	0
80	TN	Q	340330	Computer Software Other	SEC	1,224	0	0	22	0
81	TN	Q	343000	Tools, Shop, Garage Equipment	SEC	4,127	(3,416)	0	49	0
82	TN	Q	344000	Laboratory Equipment	SEC	6,138	(150,505)	0	(1,458)	1,535
83	TN	Q	345000	Power Operated Equipment	SEC	51,973	(14,251)	0	2,652	2,117
84	TN	Q	346190	Remote Control & Instrument	SEC	7,647	(3,915)	0	157	0
85	TN	Q	347000	Misc Equipment	SEC	9,763	(4,756)	0	317	3,990
86										
87	TN	R	304300	Struct & Imp-Treatment	QIIP	0	(94,900)	0	(3,900)	0
88	TN	R	304301	Struct & Imp-Treatment-Dpr Paint	QIIP	1,250,689	(170,157)	0	130,312	661,770
89	TN	R	320100	WT Equip Non-Media	QIIP	259,932	(123,785)	0	1,484	89,500
90	TN	R	320200	Water Trmt Equip Filter Media	QIIP	52,740	(36,378)	0	5,512	206,460
91	TN	R	330000	Dist Reservoirs & Standpipes	QIIP	23,274	0	0	484	0
92	TN	R	330003	Tank Repainting	QIIP	1,948,111	(222,583)	0	191,188	418,192
93	TN	R	330100	Elevated Tanks & Standpipes	QIIP	187,700	0	0	5,143	0
94	TN	R	330200	Ground Level Tanks	QIIP	1,004,940	(446)	0	27,523	977
95										
96	TN	S	331001	Transmission & Distribution Mains		0	0	0	0	0
97										
98										
99										
100										
101										
102										
103										
104	TN	T26-0202	340315	Computer Software Special Deprec Rate		0			0	
105	TN	T26-0203	340315	Computer Software Special Deprec Rate		0			0	
106										
107										
108										
109	TN	I26-020017		Electrical Motor Efficiency Enhancement (\$2.9)	SEC	0			0	
110	TN	I26-020027		Construct 1.0MG Tank & 2500-16" ER (\$1.0)	SEC	0			0	
111	TN	I26-020028	304300	Citico Plant Improvements Phase 1B (\$8.6)	QIIP	6,103,569	0		250,857	850,267 (1)

STRATEGIC CAPITAL EXPENDITURE PLAN PROGRAM

2019

[illegible]

Tennessee American Water Company
Qualified Infrastructure Improvement Program
Economic Development Rider
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STRATEGIC CAPITAL EXPENDITURE PLAN
PROGRAM

Business Unit Tennessee
Revision Date 10/22/18
Description TN BP 2019-20 TN BP 2019-2023 SCEP

Line #	Business Unit No.	Project Title	Account	Account Description	Tax Depr class life	Y1 Tax Depr Rate (4)	Y2 Tax Depr Rate (4)	Y3 Tax Depr Rate (4)	Y4 Tax Depr Rate (4)	Y5 Tax Depr Rate (4)	Y6 Tax Depr Rate (4)	Tax Depreciation	Tax over Book Depreciation	Tax Rate	Depreciation Deferred Tax (DTA, DTL)
1		RECURRING PROJECTS													
2	TN	DV		Projects Funded by Others											
3	TN	DV	331001	Transmission & Distribution Mains	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%	4.000%	0	0	0.26135	0
4	TN	DV	333000	Services	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%	4.000%	0	0	0.26135	0
5			335000	Hydrants	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%	4.000%	0	0	0.26135	0
6	TN	A		Mains - New											
7	TN	A	331001	Transmission & Distribution Mains	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%	4.000%	90,038	62,122	0.26135	(16,236)
8	TN	A	333000	Services	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%	4.000%	742	538	0.26135	(140)
9	TN	A	334300	Meter Vaults	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%	4.000%	1,808	584	0.26135	(153)
10			335000	Hydrants	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%	4.000%	5,320	2,285	0.26135	(597)
11	TN	B		Mains - Replaced / Restored											
12	TN	B	331001	Transmission & Distribution Mains	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%	4.000%	294,184	207,409	0.26135	(54,206)
13	TN	B	333000	Services	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%	4.000%	29,896	21,618	0.26135	(5,650)
14			335000	Hydrants	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%	4.000%	6,685	2,895	0.26135	(757)
15	TN	C		Mains - Unscheduled											
16	TN	C	331001	Transmission & Distribution Mains	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%	4.000%	316,347	224,690	0.26135	(58,723)
17			335000	Hydrants	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%	4.000%	275	117	0.26135	(31)
18	TN	D		Mains - Relocated											
19	TN	D	331001	Transmission & Distribution Mains	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%	4.000%	152,395	133,249	0.26135	(34,825)
20	TN	D	333000	Services	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%	4.000%	2,058	1,817	0.26135	(475)
21			335000	Hydrants	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%	4.000%	6,673	7,069	0.26135	(1,848)
22	TN	E		Hydrants, Valves, and Manholes - New											
23	TN	E	331001	Transmission & Distribution Mains	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%	4.000%	14,411	9,904	0.26135	(2,588)
24			335000	Hydrants	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%	4.000%	4,158	2,321	0.26135	(607)
25	TN	F		Hydrants, Valves, and Manholes - Replaced											
26	TN	F	331001	Transmission & Distribution Mains	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%	4.000%	15,225	10,934	0.26135	(2,858)
27			335000	Hydrants	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%	4.000%	43,196	20,640	0.26135	(5,394)
28	TN	G		Services and Laterals - New											
29			333000	Services	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%	4.000%	62,380	45,054	0.26135	(11,775)
30	TN	H		Services and Laterals - Replaced											
31	TN	H	333000	Services	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%	4.000%	113,590	83,415	0.26135	(21,801)
32			334100	Meters	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%	4.000%	1,141	90	0.26135	(24)
33	TN	I		Meters - New											
34	TN	I	334100	Meters	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%	4.000%	7,225	(6,283)	0.26135	1,642
35			334200	Meter Installations	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%	4.000%	7,663	2,427	0.26135	(634)
36	TN	J		Meters - Replaced											
37	TN	J	334100	Meters	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%	4.000%	49,829	210,223	0.26135	(54,942)
38			334200	Meter Installations	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%	4.000%	301,991	119,825	0.26135	(31,316)
39	TN	K		ITS Equipment and Systems											
40			340200	Computer & Peripheral Equipment	5 yr	20.000%	32.000%	19.200%	11.520%	11.520%	5.760%	0	0	0.26135	0
41	TN	L		SCADA Equipment and Systems											
42	TN	L	320100	WT Equip Non-Media	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%	4.000%	10,733	7,943	0.26135	(2,076)
43	TN	L	340200	Computer & Peripheral Equipment	5 yr	20.000%	32.000%	19.200%	11.520%	11.520%	5.760%	10,876	9,349	0.26135	(2,443)
44	TN	L	346100	Comm Equip Non-Telephone	5 yr	20.000%	32.000%	19.200%	11.520%	11.520%	5.760%	(702)	(2,176)	0.26135	569
45			346190	Remote Control & Instrument	5 yr	20.000%	32.000%	19.200%	11.520%	11.520%	5.760%	164,311	128,928	0.26135	(33,695)
46	TN	M		Security Equipment and Systems											
47	TN	M	304100	Struct & Imp-Supply	39 yr	1.282%	2.564%	2.564%	2.564%	2.564%	2.564%	808	178	0.26135	(46)
48	TN	M	304200	Struct & Imp-Pumping	39 yr	1.282%	2.564%	2.564%	2.564%	2.564%	2.564%	0	202	0.26135	(53)
49	TN	M	304300	Structures & Improvement - Treatment	39 yr	1.282%	2.564%	2.564%	2.564%	2.564%	2.564%	12,630	(7,457)	0.26135	1,949
50	TN	M	304400	Struct & Imp-Treatment-T&D	39 yr	1.282%	2.564%	2.564%	2.564%	2.564%	2.564%	1,957	315	0.26135	(82)
51	TN	M	304500	Structures & Improvement - General	39 yr	1.282%	2.564%	2.564%	2.564%	2.564%	2.564%	159	89	0.26135	(23)
52			340200	Computer & Peripheral Equipment	5 yr	20.000%	32.000%	19.200%	11.520%	11.520%	5.760%	2,162	1,968	0.26135	(514)
53	TN	N		Offices and Operations Centers											
54			304500	Structures & Improvement - General	39 yr	1.282%	2.564%	2.564%	2.564%	2.564%	2.564%	0	0	0.26135	0
55	TN	O		Vehicles											
56	TN	O	341100	Transportation Equip Lt Duty Trucks	5 yr	20.000%	32.000%	19.200%	11.520%	11.520%	5.760%	0	0	0.26135	0
			341200	Transportation Equip Hvy Duty Trucks	5 yr	20.000%	32.000%	19.200%	11.520%	11.520%	5.760%	0	0	0.26135	0

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Qualified Infrastructure Improvement Program
Economic Development Rider
Safety and Environmental Compliance Rider

STRATEGIC CAPITAL EXPENDITURE PLAN
PROGRAM

Business Unit Tennessee
Revision Date 10/22/18
Description TN BP 2019-20 T1 TN BP 2019-2023 SCEP

Line #	Business Unit No.	Project Title	Account	Account Description	Tax Depr class life	Y1 Tax Depr Rate (4)	Y2 Tax Depr Rate (4)	Y3 Tax Depr Rate (4)	Y4 Tax Depr Rate (4)	Y5 Tax Depr Rate (4)	Y6 Tax Depr Rate (4)	Tax Depreciation	Tax over Book Depreciation	Tax Rate	Depreciation Deferred Tax (DTA, (DTL))
57	TN	O	341300	Transportation Equip Autos	5 yr	20.000%	32.000%	19.200%	11.520%	11.520%	5.760%	0	0	0.26135	0
58															
59	TN	P	343000	Tools, Shop, Garage Equipment	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%	4.000%	0	0	0.26135	0
60															
61	TN	Q	304100	Process Plant Facilities and Equipment	39 yr	1.282%	2.564%	2.564%	2.564%	2.564%	2.564%	22,170	5,167	0.26135	(1,350)
62	TN	Q	304200	Struct & Imp-Pumping	39 yr	1.282%	2.564%	2.564%	2.564%	2.564%	2.564%	26,991	6,880	0.26135	(1,798)
63	TN	Q	304300	Struct & Imp-Treatment	39 yr	1.282%	2.564%	2.564%	2.564%	2.564%	2.564%	4,922	(2,130)	0.26135	557
64	TN	Q	304400	Struct & Imp-Treatment-T&D	39 yr	1.282%	2.564%	2.564%	2.564%	2.564%	2.564%	832	146	0.26135	(38)
65	TN	Q	304500	Structures & Improvement - General	39 yr	1.282%	2.564%	2.564%	2.564%	2.564%	2.564%	1,983	1,116	0.26135	(292)
66	TN	Q	304600	Struc & Imp-Offices	39 yr	1.282%	2.564%	2.564%	2.564%	2.564%	2.564%	243	137	0.26135	(36)
67	TN	Q	304700	Struct & Imp-Store,Shop,Garage	39 yr	1.282%	2.564%	2.564%	2.564%	2.564%	2.564%	0	57	0.26135	(15)
68	TN	Q	306000	Lake, River & Other Intakes	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%	4.000%	1,225	973	0.26135	(254)
69	TN	Q	309000	Supply Mains	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%	4.000%	394	210	0.26135	(55)
70	TN	Q	310000	Power Generation Equip	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%	4.000%	1,733	(3,591)	0.26135	938
71	TN	Q	311200	Pump Eqp Electric	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%	4.000%	2,090	4,863	0.26135	(1,271)
72	TN	Q	311520	Pumping Equipment SOS	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%	4.000%	86,483	48,592	0.26135	(12,700)
73	TN	Q	320100	WT Equip Non-Media	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%	4.000%	129,602	101,127	0.26135	(26,430)
74	TN	Q	320200	Water Trmt Equip Filter Media	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%	4.000%	46,648	(191,550)	0.26135	50,061
75	TN	Q	330000	Dist Reservoirs & Standpipes	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%	4.000%	1,196	579	0.26135	(151)
76	TN	Q	331001	Transmission & Distribution Mains	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%	4.000%	0	13	0.26135	(3)
77	TN	Q	334100	Meters	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%	4.000%	0	0	0.26135	0
78	TN	Q	340200	Computer & Peripheral Equipment	5 yr	20.000%	32.000%	19.200%	11.520%	11.520%	5.760%	0	0	0.26135	(0)
79	TN	Q	340300	Computer Software	5 yr	20.000%	32.000%	19.200%	11.520%	11.520%	5.760%	28,501	26,222	0.26135	(6,853)
80	TN	Q	340330	Computer Software Other	5 yr	20.000%	32.000%	19.200%	11.520%	11.520%	5.760%	280	258	0.26135	(67)
81	TN	Q	343000	Tools, Shop, Garage Equipment	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%	4.000%	166	117	0.26135	(31)
82	TN	Q	344000	Laboratory Equipment	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%	4.000%	248	1,706	0.26135	(446)
83	TN	Q	345000	Power Operated Equipment	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%	4.000%	2,096	(556)	0.26135	145
84	TN	Q	346190	Remote Control & Instrument	5 yr	20.000%	32.000%	19.200%	11.520%	11.520%	5.760%	1,481	1,324	0.26135	(346)
85	TN	Q	347000	Misc Equipment	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%	4.000%	394	77	0.26135	(20)
86															
87	TN	R	304300	Capitalized Tank Rehabilitation/Painting	39 yr	1.282%	2.564%	2.564%	2.564%	2.564%	2.564%	0	3,900	0.26135	(1,019)
88	TN	R	304301	Struct & Imp-Treatment-Dpr Paint	39 yr	1.282%	2.564%	2.564%	2.564%	2.564%	2.564%	32,068	(98,244)	0.26135	25,676
89	TN	R	320100	WT Equip Non-Media	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%	4.000%	10,397	8,913	0.26135	(2,329)
90	TN	R	320200	Water Trmt Equip Filter Media	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%	4.000%	2,110	(3,403)	0.26135	889
91	TN	R	330000	Dist Reservoirs & Standpipes	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%	4.000%	931	447	0.26135	(117)
92	TN	R	330003	Tank Repainting	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%	4.000%	76,374	(114,814)	0.26135	30,007
93	TN	R	330100	Elevated Tanks & Standpipes	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%	4.000%	7,359	2,216	0.26135	(579)
94	TN	R	330200	Ground Level Tanks	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%	4.000%	39,398	11,875	0.26135	(3,103)
95															
96	TN	S	331001	Transmission & Distribution Mains	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%	4.000%	0	0	0.26135	0
97				Total Recurring Projects											
98															
99				ACQUISITIONS											
100															
101				Total Acquisitions											
102															
103				CENTRALLY SPONSORED PROJECTS											
104	TN	T26-0202	340315	Business Transformation 2010 - 2014	3 yr	33.330%	33.330%	33.340%	0.000%	0.000%	0.000%	0	0	0.26135	0
105	TN	T26-0203	340315	Business Transformation 2010 - 2014	3 yr	33.330%	33.330%	33.340%	0.000%	0.000%	0.000%	0	0	0.26135	0
106				Total Centrally Sponsored Projects											
107															
108				INVESTMENT PROJECTS											
109	TN	I26-020017		Electrical Motor Efficiency Enhancement (\$2.9)											0
110	TN	I26-020027		Construct 1.0MG Tank & 2500-16" ER (\$1.0)											
111	TN	I26-020028	304300	Citico Plant Improvements Phase 1B (\$8.6)	39 yr	1.282%	2.564%	2.564%	2.564%	2.564%	2.564%	156,496	(94,361)	0.26135	24,661

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STRATEGIC CAPITAL EXPENDITURE PLAN PROGRAM

Business Unit	Tennessee
Revision Date	10/22/18
Description	TN BP 2019-20T TN BP 2019-2023 SCEP

Line #	Business Unit No.	Project Title	Account	Account Description	Tax Depr class life	Y1 Tax Depr Rate (4)	Y2 Tax Depr Rate (4)	Y3 Tax Depr Rate (4)	Y4 Tax Depr Rate (4)	Y5 Tax Depr Rate (4)	Y6 Tax Depr Rate (4)	Tax Depreciation	Tax over Book Depreciation	Tax Rate	Depreciation Deferred Tax (DTA, (DTL))
112	TN	I26-020028	320100	WT Equip Non-Media	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%	4.000%	84,356	61,890	0.26135	(16,175)
113	TN	I26-020028	346190	Remote Control & Instrument	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%	4.000%	8,293	(435)	0.26135	114
114	TN	I26-020032	304200	Struct & Imp-Pumping	39 yr	1.282%	2.564%	2.564%	2.564%	2.564%	2.564%	0	290	0.26135	(76)
115	TN	I26-020032	304300	Struct & Imp-Treatment	39 yr	1.282%	2.564%	2.564%	2.564%	2.564%	2.564%	106,193	(61,797)	0.26135	16,151
116	TN	I26-020032	304400	Struct & Imp-T&D	39 yr	1.282%	2.564%	2.564%	2.564%	2.564%	2.564%	0	0	0.26135	0
117	TN	I26-020032	304500	Structures & Improvement - General	39 yr	1.282%	2.564%	2.564%	2.564%	2.564%	2.564%	27,240	15,235	0.26135	(3,982)
118	TN	I26-020032	320100	WT Equip Non-Media	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%	4.000%	413,462	300,797	0.26135	(78,613)
119	TN	I26-020032	330200	Ground Level Tanks	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%	4.000%	0	0	0.26135	0
120	TN	I26-020032	347000	Misc Equipment	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%	4.000%	238	(139)	0.26135	36
121	TN	I26-020034	331001	Transmission & Distribution Mains	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%	4.000%	96,568	66,391	0.26135	(17,351)
122	TN	I26-020038	304300	Struct & Imp-WT	39 yr	1.282%	2.564%	2.564%	2.564%	2.564%	2.564%	0	7,323	0.26135	(1,914)
123	TN	I26-020039	320100	WT Equip Non-Media	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%	4.000%	50,325	49,597	0.26135	(12,962)
124	TN	I26-020040	320100	WT Equip Non-Media	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%	4.000%	71,493	68,626	0.26135	(17,935)
125	TN	I26-020041	311200	Electrical - Breakers and Relays (\$0.6)	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%	4.000%	0	0	0.26135	0
126	TN	I26-020042		Pumping Auxiliary Power (\$1.4)											
127	TN	I26-020043		Energy Reduction and Efficiency (\$0.87)											
128	TN	I26-020044		New Raw Water Intake Citico (\$13)											
129	TN	I26-020045	304300	Renovate Filter Bldg 3 (\$0.75)	39 yr	1.282%	2.564%	2.564%	2.564%	2.564%	2.564%	4,098	(2,364)	0.26135	618
130	TN	I26-020046		New Field Services Facility (\$4.5)											
131	TN	I26-050001		Raw Water Intake Improvements Whitwell (\$2)											
132	TN	I26-050002	320100	Facility Upgrades at Whitwell WTP (\$0.3)	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%	4.000%	2,552	2,062	0.26135	(539)
133	TN	I26-050002	346190	Remote Control & Instrument	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%	4.000%	11,452	(601)	0.26135	157
134	TN	I26-050003		Replace 0.5 MG Storage Tanks at Whitwell (\$.5)											
135	TN	I26-050004	330200	Replace 0.1 MG Storage Tank at Whitwell (\$0.3)	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%	4.000%	10,166	3,243	0.26135	(848)
136	TN	I26-020002		Post Acquisition BD Capex											
137	TN	I26-000001	331001	Whitwell Acquisition Capital Investment	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%	4.000%	0	0	0.26135	0
138	TN	I26-000001	320200	Water Trmt Equip Filter Media	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%	4.000%	0	0	0.26135	0
139	TN	I26-000001	311520	Pumping Equipment SOS	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%	4.000%	0	0	0.26135	0
140	TN	I26-000001	340200	Computer & Peripheral Equipment	5 yr	20.000%	32.000%	19.200%	11.520%	11.520%	5.760%	0	0	0.26135	0
141															
142		(1) Amounts not reflected in actuals through 2017 or projections based on project costs through 2019.		Total DV Included:								\$ 3,301,411	\$ 1,530,666		\$ (400,039)
143															
144				Total DV Excluded:								\$ 3,301,411	\$ 1,530,666		\$ (400,039)
145		(2) From prior docket #s and sourced accounts.													
146		(3) From actual or estimated in-service data provided by the company.		Total Surcharge Amt:								\$ 3,224,143	\$ 1,489,468		\$ (389,272)
147		(4) Tax depreciation rates utilized by the company.													
148				SEC Total:								\$ 1,205,411	\$ 468,793		\$ (122,519)
149															
150				EDI Total:								\$ 116,477	\$ 77,754		\$ (20,321)
151															
152				QIIP Total:								\$ 1,902,255	\$ 942,920		\$ (246,432)
153															

Tennessee American Water Company
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STRATEGIC CAPITAL EXPENDITURE PLAN
PROGRAM

Business Unit Tennessee
Revision Date 10/22/18
Description TN BP 2019-2C TITN BP 2019-2023 SCEP

Line #	Business Unit No.	Project Title	Account	Account Description	NOTES	Average Accum Depreciation	Average Depreciation Deferred Tax (DTA, (DTL))
1		RECURRING PROJECTS					
2	TN	DV		Projects Funded by Others			
3	TN	DV	331001	Transmission & Distribution Mains	This should be zero if related to non-taxable	\$ -	\$ -
4	TN	DV	333000	Services	This should be zero if related to non-taxable	0	0
5			335000	Hydrants	This should be zero if related to non-taxable	0	0
6	TN	A	331001	Transmission & Distribution Mains		(49,318)	(34,155)
7	TN	A	333000	Services		(373)	(295)
8	TN	A	334300	Meter Vaults		(2,257)	(237)
9	TN	A	335000	Hydrants		(4,654)	(1,123)
10							
11	TN	B	331001	Transmission & Distribution Mains		(194,045)	(152,143)
12	TN	B	333000	Services		(16,373)	(14,298)
13	TN	B	335000	Hydrants		(7,947)	(1,842)
14							
15	TN	C	331001	Transmission & Distribution Mains		(242,853)	(183,284)
16	TN	C	335000	Hydrants		(504)	(40)
17							
18	TN	D	331001	Transmission & Distribution Mains		(55,866)	(85,098)
19	TN	D	333000	Services		(454)	(834)
20	TN	D	335000	Hydrants		4,215	(4,706)
21							
22	TN	E	331001	Transmission & Distribution Mains		(9,714)	(7,091)
23	TN	E	335000	Hydrants		(5,964)	(1,218)
24							
25	TN	F	331001	Transmission & Distribution Mains		(8,578)	(7,717)
26	TN	F	335000	Hydrants		(59,465)	(15,723)
27							
28	TN	G	333000	Services		(17,545)	(10,702)
29							
30	TN	H	333000	Services		(76,562)	(66,129)
31	TN	H	334100	Meters		(1,596)	(120)
32							
33	TN	I	334100	Meters		(17,302)	3,141
34	TN	I	334200	Meter Installations		(5,672)	(387)
35							
36	TN	J	334100	Meters		126,779	(55,493)
37	TN	J	334200	Meter Installations		(358,513)	(72,343)
38							
39	TN	K	340200	Computer & Peripheral Equipment		0	0
40							
41	TN	L	320100	WT Equip Non-Media		(14,285)	(13,028)
42	TN	L	340200	Computer & Peripheral Equipment		(3,541)	(14,113)
43	TN	L	346100	Comm Equip Non-Telephone		(8,556)	(8,601)
44	TN	L	346190	Remote Control & Instrument		(99,662)	(188,862)
45							
46	TN	M	304100	Struct & Imp-Supply			
47	TN	M	304200	Struct & Imp-Pumping			
48	TN	M	304300	Structures & Improvement - Treatment		(39,891)	3,336
49	TN	M	304400	Struct & Imp-Treatment-T&D		(3,104)	(387)
50	TN	M	304500	Structures & Improvement - General		(315)	(139)
51	TN	M	340200	Computer & Peripheral Equipment			
52							
53	TN	N	304500	Structures & Improvement - General		0	0
54							
55	TN	O	341100	Transportation Equip Lt Duty Trucks		0	0
56	TN	O	341200	Transportation Equip Hvy Duty Trucks		0	0

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**STRATEGIC CAPITAL EXPENDITURE PLAN
PROGRAM**

Business Unit Tennessee
Revision Date 10/22/18
Description TN BP 2019-2C T1 TN BP 2019-2023 SCEP

Line #	Business Unit No.	Project Title	Account	Account Description	NOTES	Average Accum Depreciation	Average Depreciation Deferred Tax (DTA, (DTL))
57	TN	O	341300	Transportation Equip Autos		0	0
58							
59	TN	P	343000	Tools, Shop, Garage Equipment		0	0
60							
61	TN	Q	304100	Struct & Imp-Supply		(35,573)	(5,161)
62	TN	Q	304200	Struct & Imp-Pumping		(37,919)	(6,128)
63	TN	Q	304300	Struct & Imp-Treatment		(12,588)	928
64	TN	Q	304400	Struct & Imp-Treatment-T&D		(2,061)	(250)
65	TN	Q	304500	Structures & Improvement - General		(2,324)	(804)
66	TN	Q	304600	Struc & Imp-Offices			
67	TN	Q	304700	Struct & Imp-Store,Shop,Garage		235	(81)
68	TN	Q	306000	Lake, River & Other Intakes		(681)	(778)
69	TN	Q	309000	Supply Mains		(907)	(299)
70	TN	Q	310000	Power Generation Equip		(20,509)	3,779
71	TN	Q	311200	Pump Eqp Electric		6,110	(3,565)
72	TN	Q	311520	Pumping Equipment SOS		(89,482)	(37,893)
73	TN	Q	320100	WT Equip Non-Media		(89,189)	(97,799)
74	TN	Q	320200	Water Trmt Equip Filter Media		(677,142)	177,931
75	TN	Q	330000	Dist Reservoirs & Standpipes		(1,294)	(208)
76	TN	Q	331001	Transmission & Distribution Mains		20	(5)
77	TN	Q	334100	Meters		0	0
78	TN	Q	340200	Computer & Peripheral Equipment		0	(0)
79	TN	Q	340300	Computer Software			
80	TN	Q	340330	Computer Software Other			
81	TN	Q	343000	Tools, Shop, Garage Equipment		(140)	(90)
82	TN	Q	344000	Laboratory Equipment		6,775	(2,421)
83	TN	Q	345000	Power Operated Equipment		(9,977)	1,080
84	TN	Q	346190	Remote Control & Instrument		(317)	(1,644)
85	TN	Q	347000	Misc Equipment		(1,578)	119
86							
87	TN	R	304300	Struct & Imp-Treatment		17,257	(5,995)
88	TN	R	304301	Struct & Imp-Treatment-Dpr Paint		(451,641)	120,130
89	TN	R	320100	WT Equip Non-Media		(43,061)	(55,945)
90	TN	R	320200	Water Trmt Equip Filter Media		(18,445)	4,084
91	TN	R	330000	Dist Reservoirs & Standpipes		(10,917)	(5,888)
92	TN	R	330003	Tank Repainting		(261,410)	37,752
93	TN	R	330100	Elevated Tanks & Standpipes		(9,080)	(1,555)
94	TN	R	330200	Ground Level Tanks		(32,197)	(7,152)
95							
96	TN	S	331001	Transmission & Distribution Mains		0	0
97							
98							
99							
100							
101							
102							
103							
104	TN	T26-0202	340315	Computer Software Special Deprec Rate		0	0
105	TN	T26-0203	340315	Computer Software Special Deprec Rate			
106							
107							
108							
109	TN	I26-020017		Electrical Motor Efficiency Enhancement (\$2.9)			
110	TN	I26-020027		Construct 1.0MG Tank & 2500-16" ER (\$1.0)			
111	TN	I26-020028	304300	Citico Plant Improvements Phase 1B (\$8.6)		(766,096)	95,938

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STRATEGIC CAPITAL EXPENDITURE PLAN
PROGRAM

Business Unit Tennessee
Revision Date 10/22/18
Description TN BP 2019-2C TITN BP 2019-2023 SCEP

Line #	Business Unit No.	Project Title	Account	Account Description	NOTES	Average Accum Depreciation	Average Depreciation Deferred Tax (DTA, (DTL))
112	TN	I26-020028	320100	WT Equip Non-Media		(68,208)	(60,169)
113	TN	I26-020028	346190	Remote Control & Instrument		(17,131)	171
114	TN	I26-020032	304200	Struct & Imp-Pumping		613	(330)
115	TN	I26-020032	304300	Struct & Imp-Treatment		(413,844)	62,919
116	TN	I26-020032	304400	Struct & Imp-T&D		0	0
117	TN	I26-020032	304500	Structures & Improvement - General		(168,211)	(138,237)
118	TN	I26-020032	320100	WT Equip Non-Media		(340,595)	(313,586)
119	TN	I26-020032	330200	Ground Level Tanks		(1,730)	(768)
120	TN	I26-020032	347000	Misc Equipment		(2,478)	174
121	TN	I26-020034	331001	Transmission & Distribution Mains		(17,410)	(20,688)
122	TN	I26-020038	304300	Struct & Imp-WT		3,661	(957)
123	TN	I26-020039	320100	WT Equip Non-Media		(364)	(6,481)
124	TN	I26-020040	320100	WT Equip Non-Media		(1,433)	(8,968)
125	TN	I26-020041	311200	Pump Eqp Electric		0	0
126	TN	I26-020042		Pumping Auxiliary Power (\$1.4)			
127	TN	I26-020043		Energy Reduction and Efficiency (\$0.87)			
128	TN	I26-020044		New Raw Water Intake Citico (\$13)			
129	TN	I26-020045	304300	Renovate Filter Bldg 3 (\$0.75)		(8,210)	1,075
130	TN	I26-020046		New Field Services Facility (\$4.5)			
131	TN	I26-050001		Raw Water Intake Improvements Whitwell (\$2)			
132	TN	I26-050002	320100	WT Equip Non-Media		(789)	(808)
133	TN	I26-050002	346190	Remote Control & Instrument		(19,007)	236
134	TN	I26-050003		Replace 0.5 MG Storage Tanks at Whitwell (\$.5)			
135	TN	I26-050004	330200	Ground Level Tanks		(9,848)	(83)
136	TN	I26-020002		Post Acquisition BD Capex			
137	TN	I26-000001	331001	Transmission & Distribution Mains		0	0
138	TN	I26-000001	320200	Water Trmt Equip Filter Media		0	0
139	TN	I26-000001	311520	Pumping Equipment SOS		0	0
140	TN	I26-000001	340200	Computer & Peripheral Equipment		0	0
141							
142		(1) Amounts not reflected in actuals through 2017 or projections based on project costs through 2019.		Total DV Included: See note under DV above		\$ (4,783,030)	\$ (1,212,052)
143							
144				Total DV Excluded:		\$ (4,783,030)	\$ (1,212,052)
145		(2) From prior docket #s and sourced accounts.					
146		(3) From actual or estimated in-service data provided by the company.		Total Surcharge Amt:		\$ (4,742,511)	\$ (1,204,104)
147		(4) Tax depreciation rates utilized by the company.					
148				SEC Total:		\$ (2,095,219)	\$ (594,534)
149							
150				EDI Total:		\$ (72,280)	\$ (44,119)
151							
152				QIIP Total:		\$ (2,575,012)	\$ (565,451)
153							

Tennessee American Water Company
Qualified Infrastructure Improvement Program
Economic Development Rider
Safety and Environmental Compliance Rider

STRATEGIC CAPITAL EXPENDITURE PLAN
PROGRAM

Business Unit Tennessee
Revision Date July 5, 2017
Description TN BP 2018-2022 SCEP

Line #	Business Unit No.	Project Title	Account	Account Description	Portion to Account	In-Service (Months) (2)	Dep Rate	Prior Year Period 11 Spend	Prior Year Period 12 Spend	2017 SCEP Reforecast	Prior 2017 SCEP In-Serviced
1		RECURRING PROJECTS									
2	TN	DV		Projects Funded by Others							
3	TN	DV	331001	Transmission & Distribution Mains	0.0%	1	1.25%	120,000	100,000	\$ -	0
4	TN	DV	333000	Services	0.0%	1	1.11%	120,000	100,000		0
5			335000	Hydrants	0.0%	1	2.30%	120,000	100,000		0
6	TN	A		Mains - New							
7	TN	A	331001	Transmission & Distribution Mains	92.0%	1	1.25%	-	-		905,421
8	TN	A	333000	Services	0.8%	1	1.11%				7,459
9	TN	A	334300	Meter Vaults	1.8%	1	2.73%				18,184
10			335000	Hydrants	5.4%	1	2.30%				53,504
11	TN	B		Mains - Replaced / Restored							
12	TN	B	331001	Transmission & Distribution Mains	88.3%	1	1.25%	110,867	105,975		5,002,737
13	TN	B	333000	Services	9.8%	1	1.11%	110,867	105,975		486,978
14			335000	Hydrants	1.9%	1	2.30%	110,867	105,975		116,906
15	TN	C		Mains - Unscheduled							
16	TN	C	331001	Transmission & Distribution Mains	99.9%	1	1.25%	84,968	110,621		6,004,050
17			335000	Hydrants	0.1%	1	2.30%				4,979
18	TN	D		Mains - Relocated							
19	TN	D	331001	Transmission & Distribution Mains	94.5%	1	1.25%	-	-		3,576,035
20	TN	D	333000	Services	1.3%	1	1.11%	-	-		48,244
21			335000	Hydrants	4.2%	1	2.30%	-	-		156,385
22	TN	E		Hydrants, Valves, and Manholes - New							
23	TN	E	331001	Transmission & Distribution Mains	83.7%	1	1.25%				188,630
24			335000	Hydrants	16.3%	1	2.30%				70,582
25	TN	F		Hydrants, Valves, and Manholes - Replaced							
26	TN	F	331001	Transmission & Distribution Mains	29.4%	1	1.25%				191,331
27			335000	Hydrants	70.6%	1	2.30%				626,189
28	TN	G		Services and Laterals - New							
29			333000	Services	100.0%	1	1.11%				0
30	TN	H		Services and Laterals - Replaced							
31	TN	H	333000	Services	98.8%	1	1.11%				1,872,518
32			334100	Meters	1.2%	1	7.47%				17,011
33	TN	I		Meters - New							
34	TN	I	334100	Meters	48.5%	1	7.47%				0
35			334200	Meter Installations	51.5%	1	2.73%				0
36	TN	J		Meters - Replaced							
37	TN	J	334100	Meters	14.8%	1	7.47%				597,628
38			334200	Meter Installations	85.2%	1	2.73%				3,814,438
39	TN	K		ITS Equipment and Systems							
40			340200	Computer & Peripheral Equipment	0.0%	1	2.19%				0
41	TN	L		SCADA Equipment and Systems							
42	TN	L	320100	WT Equip Non-Media	0.0%	1	1.09%				268,337
43	TN	L	340200	Computer & Peripheral Equipment	6.3%	1	2.19%				55,351
44	TN	L	346100	Comm Equip Non-Telephone	-2.7%	1	4.21%				41,119
45			346190	Remote Control & Instrument	96.4%	1	4.21%				726,799
46	TN	M		Security Equipment and Systems							
47	TN	M	304100	Struct & Imp-Supply	5.2%	1	1.98%				20,271
48	TN	M	304200	Struct & Imp-Pumping	0.0%	1	1.98%				0
49	TN	M	304300	Structures & Improvement - Treatment	80.9%	1	4.11%				316,721
50	TN	M	304400	Struct & Imp-Treatment-T&D	12.5%	1	2.13%				49,087
51	TN	M	304500	Structures & Improvement - General	0.0%	1	1.13%				6,193
52			340200	Computer & Peripheral Equipment	1.4%	1	2.19%				5,638
53	TN	N		Offices and Operations Centers							
54			304500	Structures & Improvement - General	0.0%	1	1.13%				0
55	TN	O		Vehicles							
56	TN	O	341100	Transportation Equip Lt Duty Trucks	0.0%	1	16.00%				0
			341200	Transportation Equip Hvy Duty Trucks	0.0%	1	16.62%				0

Tennessee American Water Company
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STRATEGIC CAPITAL EXPENDITURE PLAN
PROGRAM

Business Unit Tennessee
Revision Date July 5, 2017
Description TN BP 2018-2022 SCEP

Line #	Business Unit No.	Project Title	Account	Account Description	Portion to Account	In-Service (Months) (2)	Dep Rate	Prior Year Period 11 Spend	Prior Year Period 12 Spend	2017 SCEP Reforecast	Prior 2017 SCEP In-Serviced
57	TN	O	341300	Transportation Equip Autos	0.0%	1	11.38%				0
58											
59	TN	P	343000	Tools, Shop, Garage Equipment	0.0%	1	6.89%				0
60											
61	TN	Q	304100	Struct & Imp-Supply	8.6%	1	1.98%				712,119
62	TN	Q	304200	Struct & Imp-Pumping	12.4%	1	1.98%				833,440
63	TN	Q	304300	Struct & Imp-Treatment	2.3%	1	4.11%				151,998
64	TN	Q	304400	Struct & Imp-Treatment-T&D	0.4%	1	2.13%				25,679
65	TN	Q	304500	Structures & Improvement - General	0.9%	1	1.13%				61,239
66	TN	Q	304600	Struc & Imp-Offices	0.1%	1	1.13%				7,517
67	TN	Q	304700	Struct & Imp-Store,Shop,Garage	0.0%	1	0.73%				0
68	TN	Q	306000	Lake, River & Other Intakes	0.4%	1	0.83%				24,247
69	TN	Q	309000	Supply Mains	0.0%	1	1.87%				9,862
70	TN	Q	310000	Power Generation Equip	0.2%	1	12.33%				39,524
71	TN	Q	311200	Pump Eqp Electric	0.6%	1	2.45%				41,372
72	TN	Q	311520	Pumping Equipment SOS	24.0%	1	1.83%				1,735,922
73	TN	Q	320100	WT Equip Non-Media	33.6%	1	1.09%				2,643,609
74	TN	Q	320200	Water Trmt Equip Filter Media	13.7%	1	33.69%				923,326
75	TN	Q	330000	Dist Reservoirs & Standpipes	0.4%	1	2.08%				23,679
76	TN	Q	331001	Transmission & Distribution Mains	0.0%	1	1.25%				0
77	TN	Q	334100	Meters	0.0%	1	7.47%				0
78	TN	Q	340200	Computer & Peripheral Equipment	0.0%	1	2.19%				0
79	TN	Q	340300	Computer Software	1.5%	1	1.83%				99,427
80	TN	Q	340330	Computer Software Other	0.0%	1	1.83%				977
81	TN	Q	343000	Tools, Shop, Garage Equipment	0.0%	1	6.89%				3,294
82	TN	Q	344000	Laboratory Equipment	0.1%	1	1.01%				4,899
83	TN	Q	345000	Power Operated Equipment	0.6%	1	7.03%				41,485
84	TN	Q	346190	Remote Control & Instrument	0.1%	1	4.21%				6,104
85	TN	Q	347000	Misc Equipment	0.1%	1	6.33%				7,793
86											
87	TN	R	304300	Struct & Imp-Treatment	0.0%	1	4.11%				0
88	TN	R	304301	Struct & Imp-Treatment-Dpr Paint	0.0%	1	12.06%				1,250,689
89	TN	R	320100	WT Equip Non-Media	0.0%	1	1.09%				259,932
90	TN	R	320200	Water Trmt Equip Filter Media	0.0%	1	33.69%				52,740
91	TN	R	330000	Dist Reservoirs & Standpipes	0.0%	1	2.08%				23,045
92	TN	R	330003	Tank Repainting	62.0%	1	11.08%				940,315
93	TN	R	330100	Elevated Tanks & Standpipes	6.0%	1	2.74%				90,599
94	TN	R	330200	Ground Level Tanks	32.0%	1	2.74%				485,065
95											
96	TN	S	331001	Transmission & Distribution Mains	0.0%	1	1.25%				0
97											
98											
99											
100											
101											
102											
103											
104	TN	T26-0202	340315	Computer Software Special Deprec Rate		1	10.00%				0
105	TN	T26-0203	340315	Computer Software Special Deprec Rate		1	10.00%				0
106											
107											
108											
109	TN	I26-020017		Electrical Motor Efficiency Enhancement (\$2.9)							0
110	TN	I26-020027		Construct 1.0MG Tank & 2500-16" ER (\$1.0)							0
111	TN	I26-020028	304300	Citico Plant Improvements Phase 1B (\$8.6)		12/31/2022 6/1/2016	4.11%				6,103,569

Inception to Date
Spend

2017 SCEP
Reforecast

**Tennessee American Water Company
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STRATEGIC CAPITAL EXPENDITURE PLAN PROGRAM

Business Unit	Tennessee
Revision Date	July 5, 2017
Description	TN BP 2018-2022 SCEP

Line #		Business Unit No.	Project Title	Account	Account Description	Portion to Account	In-Service (Months) (2)	Dep Rate	Prior Year Period 11 Spend	Prior Year Period 12 Spend	2017 SCEP Reforecast	Prior 2017 SCEP In-Serviced
112	TN	I26-020028	Wastewater Treatm't & Handling Impr (\$15.3)	320100	WT Equip Non-Media		6/1/2016	1.09%				2,108,898
113	TN	I26-020028		346190	Remote Control & Instrument		6/1/2016	4.21%				207,335
114	TN	I26-020032		304200	Struct & Imp-Pumping		11/1/2015	1.98%				0
115	TN	I26-020032		304300	Struct & Imp-Treatment		11/1/2015	4.11%				4,141,710
116	TN	I26-020032		304400	Struct & Imp-T&D		11/1/2015	2.13%				0
117	TN	I26-020032		304500	Structures & Improvement - General		11/1/2015	1.13%				1,062,411
118	TN	I26-020032		320100	WT Equip Non-Media		11/1/2015	1.09%				10,336,541
119	TN	I26-020032		330200	Ground Level Tanks		11/1/2015	2.74%				0
120	TN	I26-020032		347000	Misc Equipment		11/1/2015	6.33%				5,946
121	TN	I26-020034		Tennessee River Crossing (\$2.5)	331001	Transmission & Distribution Mains		12/31/2018	1.25%			0
122	TN	I26-020038	Retire Basin 1	304300	Struct & Imp-WT		12/31/2020	4.11%			0	
123	TN	I26-020039	Repl Basin 2 & Plate Settlers				12/31/2019				0	
124	TN	I26-020040	Chlorine Gas Conversion				4/1/2020				0	
125	TN	I26-020041	Electrical - Breakers and Relays (\$0.6)	311200	Pump Eqp Electric			2.45%			0	
126	TN	I26-020042	Pumping Auxiliary Power (\$1.4)								0	
127	TN	I26-020043	Energy Reduction and Efficiency (\$0.87)				12/31/2020				0	
128	TN	I26-020044	New Raw Water Intake Citico (\$13)				6/30/2022				0	
129	TN	I26-020045	Remove Filter Bldg 3	304300	Struct & Imp-Treatment		3/1/2018	4.11%			0	
130	TN	I26-020046	New Field Services Facility (\$4.5)				12/31/2020				0	
131	TN	I26-050001	Raw Water Intake Improvements Whitwell (\$2)				12/31/2021				0	
132	TN	I26-050002	Facility Upgrades at Whitwell WTP (\$0.3)	320100	WT Equip Non-Media		12/31/2017	1.09%			101,879	63,811
133	TN	I26-050002		346190	Remote Control & Instrument		12/29/2017	4.21%				286,295
134	TN	I26-050003	Replace 0.5 MG Storage Tanks at Whitwell (\$.5)				12/31/2021				0	
135	TN	I26-050004	Replace 0.1 MG Storage Tank at Whitwell (\$0.3)	330200	Ground Level Tanks		12/31/2017	2.74%			91,619	0
136	TN	I26-020002	Post Acquisition BD Capex								0	
137	TN	I26-000001	Whitwell Acquisition Capital Investment	331001	Transmission & Distribution Mains		12/31/2014	1.25%			0	
138	TN	I26-000001		320200	Water Trmt Equip Filter Media		12/31/2014	33.69%			0	
139	TN	I26-000001		311520	Pumping Equipment SOS		12/31/2014	1.83%			0	
140	TN	I26-000001		340200	Computer & Peripheral Equipment		12/31/2014	2.19%			0	
141												
142			(1) Amounts not reflected in actuals through 2016 or projections based on project costs through 2018.		Total DV Included:						\$	60,065,138
143												
144					Total DV Excluded:						\$	60,065,138
145			(2) From actual or estimated in-service data provided by the company.									
146					Total Surcharge Amt:						\$	60,065,138
147			(3) Tax depreciation rates utilized by the company.									
148					SEC Total:						\$	24,783,741
149												
150					EDI Total:						\$	1,243,780
151												
152					QIIP Total:						\$	34,037,617
153												

Tennessee American Water Company
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Economic Development Rider
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STRATEGIC CAPITAL EXPENDITURE PLAN
PROGRAM

Business Unit Tennessee
Revision Date July 5, 2017
Description TN BP 2018-2022 SCEP

						Cumulative Balance of In-Serviced Plant, from 2018 Capex, by Period					
Line #	Business Unit No.		Project Title	Account	Account Description	1	2	3	4	5	6
1			RECURRING PROJECTS								
2	TN	DV	Projects Funded by Others	331001	Transmission & Distribution Mains	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
3	TN	DV		333000	Services	0	0	0	0	0	0
4	TN	DV		335000	Hydrants	0	0	0	0	0	0
5											
6	TN	A	Mains - New	331001	Transmission & Distribution Mains	942,209	1,004,290	1,073,728	1,152,364	1,233,298	1,318,832
7	TN	A		333000	Services	7,762	8,274	8,846	9,493	10,160	10,865
8	TN	A		334300	Meter Vaults	18,922	20,169	21,563	23,142	24,768	26,485
9	TN	A		335000	Hydrants	55,678	59,346	63,449	68,095	72,878	77,931
10											
11	TN	B	Mains - Replaced / Restored	331001	Transmission & Distribution Mains	5,046,904	5,135,237	5,250,070	5,369,320	5,510,654	5,660,820
12	TN	B		333000	Services	491,868	501,649	514,364	527,568	543,217	559,845
13	TN	B		335000	Hydrants	117,849	119,735	122,187	124,733	127,750	130,956
14											
15	TN	C	Mains - Unscheduled	331001	Transmission & Distribution Mains	6,104,451	6,214,842	6,320,737	6,426,632	6,530,029	6,630,430
16	TN	C		335000	Hydrants	5,078	5,188	5,293	5,397	5,500	5,599
17											
18	TN	D	Mains - Relocated	331001	Transmission & Distribution Mains	3,576,035	3,580,759	3,585,484	3,594,932	3,609,105	3,623,277
19	TN	D		333000	Services	48,244	48,308	48,373	48,502	48,696	48,890
20	TN	D		335000	Hydrants	156,385	156,595	156,806	157,228	157,860	158,492
21											
22	TN	E	Hydrants, Valves, and Manholes - New	331001	Transmission & Distribution Mains	192,816	199,514	208,306	217,934	228,818	243,889
23	TN	E		335000	Hydrants	71,395	72,697	74,406	76,278	78,393	81,323
24											
25	TN	F	Hydrants, Valves, and Manholes - Replaced	331001	Transmission & Distribution Mains	197,071	203,401	210,319	219,299	232,547	247,267
26	TN	F		335000	Hydrants	639,948	655,118	671,700	693,221	724,973	760,253
27											
28	TN	G	Services and Laterals - New	333000	Services	50,500	126,000	207,250	292,500	393,000	498,500
29											
30	TN	H	Services and Laterals - Replaced	333000	Services	1,892,777	1,927,365	1,972,034	2,028,562	2,112,760	2,197,057
31	TN	H		334100	Meters	17,252	17,664	18,195	18,868	19,869	20,872
32											
33	TN	I	Meters - New	334100	Meters	2,426	7,279	14,559	24,434	36,736	51,635
34	TN	I		334200	Meter Installations	2,574	7,721	15,441	25,916	38,964	54,765
35											
36	TN	J	Meters - Replaced	334100	Meters	605,021	619,806	642,132	671,924	716,501	761,211
37	TN	J		334200	Meter Installations	3,857,045	3,942,260	4,070,934	4,242,642	4,499,564	4,757,250
38											
39	TN	K	ITS Equipment and Systems	340200	Computer & Peripheral Equipment	0	0	0	0	0	0
40											
41	TN	L	SCADA Equipment and Systems	320100	WT Equip Non-Media	268,337	268,337	268,337	268,337	268,337	268,337
42	TN	L		340200	Computer & Peripheral Equipment	55,666	56,109	56,677	57,625	59,046	60,657
43	TN	L		346100	Comm Equip Non-Telephone	40,985	40,797	40,555	40,153	39,549	38,864
44	TN	L		346190	Remote Control & Instrument	731,617	738,362	747,034	761,488	783,168	807,739
45											
46	TN	M	Security Equipment and Systems	304100	Struct & Imp-Supply	20,400	20,659	21,177	21,694	22,470	23,764
47	TN	M		304200	Struct & Imp-Pumping	0	0	0	0	0	0
48	TN	M		304300	Structures & Improvement - Treatment	318,742	322,785	330,871	338,956	351,084	371,298
49	TN	M		304400	Struct & Imp-Treatment-T&D	49,400	50,027	51,280	52,533	54,413	57,546
50	TN	M		304500	Structures & Improvement - General	6,193	6,193	6,193	6,193	6,193	6,193
51	TN	M		340200	Computer & Peripheral Equipment	5,674	5,746	5,890	6,034	6,250	6,610
52											
53	TN	N	Offices and Operations Centers	304500	Structures & Improvement - General	0	0	0	0	0	0
54											
55	TN	O	Vehicles	341100	Transportation Equip Lt Duty Trucks	0	0	0	0	0	0
56	TN	O		341200	Transportation Equip Hvy Duty Trucks	0	0	0	0	0	0

Tennessee American Water Company
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**STRATEGIC CAPITAL EXPENDITURE PLAN
PROGRAM**

Business Unit Tennessee
Revision Date July 5, 2017
Description TN BP 2018-2022 SCEP

						Cumulative Balance of In-Serviced Plant, from 2018 Capex, by Period					
Line #	Business Unit No.		Project Title	Account	Account Description	1	2	3	4	5	6
57	TN	O		341300	Transportation Equip Autos	0	0	0	0	0	0
58											
59	TN	P	Tools and Equipment	343000	Tools, Shop, Garage Equipment	0	0	0	0	0	0
60											
61	TN	Q	Process Plant Facilities and Equipment	304100	Struct & Imp-Supply	714,486	721,371	728,255	735,140	742,240	749,770
62	TN	Q		304200	Struct & Imp-Pumping	836,841	846,736	856,631	866,526	876,730	887,553
63	TN	Q		304300	Struct & Imp-Treatment	152,618	154,423	156,227	158,032	159,893	161,867
64	TN	Q		304400	Struct & Imp-Treatment-T&D	25,784	26,089	26,393	26,698	27,013	27,346
65	TN	Q		304500	Structures & Improvement - General	61,489	62,216	62,943	63,670	64,420	65,215
66	TN	Q		304600	Struc & Imp-Offices	7,547	7,637	7,726	7,815	7,907	8,005
67	TN	Q		304700	Struct & Imp-Store,Shop,Garage	0	0	0	0	0	0
68	TN	Q		306000	Lake, River & Other Intakes	24,345	24,633	24,921	25,209	25,506	25,821
69	TN	Q		309000	Supply Mains	9,862	9,862	9,862	9,862	9,862	9,862
70	TN	Q		310000	Power Generation Equip	39,583	39,754	39,926	40,097	40,274	40,462
71	TN	Q		311200	Pump Eqp Electric	41,541	42,032	42,523	43,015	43,521	44,058
72	TN	Q		311520	Pumping Equipment SOS	1,742,534	1,761,769	1,781,003	1,800,237	1,820,073	1,841,110
73	TN	Q		320100	WT Equip Non-Media	2,652,863	2,679,782	2,706,702	2,733,621	2,761,382	2,790,825
74	TN	Q		320200	Water Trmt Equip Filter Media	927,094	938,056	949,018	959,980	971,285	983,275
75	TN	Q		330000	Dist Reservoirs & Standpipes	23,776	24,057	24,338	24,619	24,909	25,217
76	TN	Q	331001	Transmission & Distribution Mains	0	0	0	0	0	0	
77	TN	Q	334100	Meters	0	0	0	0	0	0	
78	TN	Q	340200	Computer & Peripheral Equipment	0	0	0	0	0	0	
79	TN	Q	340300	Computer Software	99,833	101,013	102,194	103,374	104,592	105,883	
80	TN	Q	340330	Computer Software Other	981	993	1,005	1,016	1,028	1,041	
81	TN	Q	343000	Tools, Shop, Garage Equipment	3,307	3,347	3,386	3,425	3,465	3,508	
82	TN	Q	344000	Laboratory Equipment	4,919	4,977	5,035	5,094	5,154	5,217	
83	TN	Q	345000	Power Operated Equipment	41,655	42,147	42,640	43,132	43,640	44,179	
84	TN	Q	346190	Remote Control & Instrument	6,129	6,201	6,273	6,346	6,421	6,500	
85	TN	Q	347000	Misc Equipment	7,825	7,918	8,010	8,103	8,198	8,299	
86											
87	TN	R	Capitalized Tank Rehabilitation/Painting	304300	Struct & Imp-Treatment	0	0	0	0	0	0
88	TN	R		304301	Struct & Imp-Treatment-Dpr Paint	1,250,689	1,250,689	1,250,689	1,250,689	1,250,689	1,250,689
89	TN	R		320100	WT Equip Non-Media	259,932	259,932	259,932	259,932	259,932	259,932
90	TN	R		320200	Water Trmt Equip Filter Media	52,740	52,740	52,740	52,740	52,740	52,740
91	TN	R		330000	Dist Reservoirs & Standpipes	23,052	23,059	23,066	23,077	23,087	23,102
92	TN	R		330003	Tank Repainting	971,324	1,002,333	1,033,342	1,079,856	1,126,370	1,188,388
93	TN	R		330100	Elevated Tanks & Standpipes	93,587	96,575	99,562	104,044	108,526	114,501
94	TN	R		330200	Ground Level Tanks	501,061	517,057	533,053	557,048	581,042	613,034
95											
96	TN	S	Engineering Studies	331001	Transmission & Distribution Mains	0	0	0	0	0	0
97			Total Recurring Projects								
98											
99			ACQUISITIONS								
100											
101			Total Acquisitions								
102											
103			CENTRALLY SPONSORED PROJECTS								
104	TN	T26-0202	Business Transformation 2010 - 2014	340315	Computer Software Special Deprec Rate	0	0	0	0	0	0
105	TN	T26-0203	Business Transformation 2010 - 2014	340315	Computer Software Special Deprec Rate	0	0	0	0	0	0
106			Total Centrally Sponsored Projects								
107											
108			INVESTMENT PROJECTS								
109	TN	I26-020017	Electrical Motor Efficiency Enhancement (\$2.9)			0	0	0	0	0	0
110	TN	I26-020027	Construct 1.0MG Tank & 2500-16" ER (\$1.0)			0	0	0	0	0	0
111	TN	I26-020028	Citico Plant Improvements Phase 1B (\$8.6)	304300	Struct & Imp-Treatment	6,103,569	6,103,569	6,103,569	6,103,569	6,103,569	6,103,569

STRATEGIC CAPITAL EXPENDITURE PLAN PROGRAM

Business Unit	Tennessee
Revision Date	July 5, 2017
Description	TN BP 2018-2022 SCEP

					Cumulative Balance of In-Serviced Plant, from 2018 Capex, by Period						
Line #	Business Unit No.		Project Title	Account	Account Description	1	2	3	4	5	6
112	TN	I26-020028		320100	WT Equip Non-Media	2,108,898	2,108,898	2,108,898	2,108,898	2,108,898	2,108,898
113	TN	I26-020028		346190	Remote Control & Instrument	207,335	207,335	207,335	207,335	207,335	207,335
114	TN	I26-020032	Wastewater Treatm't & Handling Impr (\$15.3)	304200	Struct & Imp-Pumping	0	0	0	0	0	0
115	TN	I26-020032		304300	Struct & Imp-Treatment	4,141,710	4,141,710	4,141,710	4,141,710	4,141,710	4,141,710
116	TN	I26-020032		304400	Struct & Imp-T&D	0	0	0	0	0	0
117	TN	I26-020032		304500	Structures & Improvement - General	1,062,411	1,062,411	1,062,411	1,062,411	1,062,411	1,062,411
118	TN	I26-020032		320100	WT Equip Non-Media	10,336,541	10,336,541	10,336,541	10,336,541	10,336,541	10,336,541
119	TN	I26-020032		330200	Ground Level Tanks	0	0	0	0	0	0
120	TN	I26-020032		347000	Misc Equipment	5,946	5,946	5,946	5,946	5,946	5,946
121	TN	I26-020034	Tennessee River Crossing (\$2.5)	331001	Transmission & Distribution Mains	0	0	0	0	0	0
122	TN	I26-020038	Retire Basin 1	304300	Struct & Imp-WT	0	0	0	0	0	0
123	TN	I26-020039	Repl Basin 2 & Plate Settlers			0	0	0	0	0	0
124	TN	I26-020040	Chlorine Gas Conversion			0	0	0	0	0	0
125	TN	I26-020041	Electrical - Breakers and Relays (\$0.6)	311200	Pump Eqp Electric	0	0	0	0	0	0
126	TN	I26-020042	Pumping Auxiliary Power (\$1.4)			0	0	0	0	0	0
127	TN	I26-020043	Energy Reduction and Efficiency (\$0.87)			0	0	0	0	0	0
128	TN	I26-020044	New Raw Water Intake Citico (\$13)			0	0	0	0	0	0
129	TN	I26-020045	Remove Filter Bldg 3	304300	Struct & Imp-Treatment	0	0	159,824	159,824	159,824	159,824
130	TN	I26-020046	New Field Services Facility (\$4.5)			0	0	0	0	0	0
131	TN	I26-050001	Raw Water Intake Improvements Whitwell (\$2)			0	0	0	0	0	0
132	TN	I26-050002	Facility Upgrades at Whitwell WTP (\$0.3)	320100	WT Equip Non-Media	63,811	63,811	63,811	63,811	63,811	63,811
133	TN	I26-050002		346190	Remote Control & Instrument	286,295	286,295	286,295	286,295	286,295	286,295
134	TN	I26-050003	Replace 0.5 MG Storage Tanks at Whitwell (\$.5)			0	0	0	0	0	0
135	TN	I26-050004	Replace 0.1 MG Storage Tank at Whitwell (\$0.3)	330200	Ground Level Tanks	254,153	254,153	254,153	254,153	254,153	254,153
136	TN	I26-020002	Post Acquisition BD Capex			0	0	0	0	0	0
137	TN	I26-000001	Whitwell Acquisition Capital Investment	331001	Transmission & Distribution Mains	0	0	0	0	0	0
138	TN	I26-000001		320200	Water Trmt Equip Filter Media	0	0	0	0	0	0
139	TN	I26-000001		311520	Pumping Equipment SOS	0	0	0	0	0	0
140	TN	I26-000001		340200	Computer & Peripheral Equipment	0	0	0	0	0	0
141											
142	(1) Amounts not reflected in actuals through 2016 or projections based on project costs through 2018.				Total DV Included:						
143											
144					Total DV Excluded:						
145	(2) From actual or estimated in-service data provided by the company.										
146					Total Surcharge Amt:						
147	(3) Tax depreciation rates utilized by the company.										
148						SEC Total:					
149											
150						EDI Total:					
151											
152						QIIP Total:					
153											

Tennessee American Water Company
Qualified Infrastructure Improvement Program
Economic Development Rider
Safety and Environmental Compliance Rider

STRATEGIC CAPITAL EXPENDITURE PLAN
PROGRAM

Business Unit Tennessee
Revision Date July 5, 2017
Description TN BP 2018-2022 SCEP

					Cumulative Balance of In-Serviced Plant, from 2018 Capex, by Period						
Line #	Business Unit No.		Project Title	Account	Account Description	7	8	9	10	11	12
1			RECURRING PROJECTS								
2	TN	DV	Projects Funded by Others	331001	Transmission & Distribution Mains	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
3	TN	DV		333000	Services	0	0	0	0	0	0
4	TN	DV		335000	Hydrants	0	0	0	0	0	0
5											
6	TN	A	Mains - New	331001	Transmission & Distribution Mains	1,408,963	1,502,774	1,574,512	1,647,629	1,719,826	1,791,104
7	TN	A		333000	Services	11,607	12,380	12,971	13,573	14,168	14,755
8	TN	A		334300	Meter Vaults	28,295	30,179	31,620	33,088	34,538	35,969
9	TN	A		335000	Hydrants	83,257	88,800	93,039	97,359	101,625	105,836
10											
11	TN	B	Mains - Replaced / Restored	331001	Transmission & Distribution Mains	5,815,403	5,978,820	6,128,986	6,270,319	6,402,819	6,526,486
12	TN	B		333000	Services	576,961	595,056	611,683	627,333	642,004	655,697
13	TN	B		335000	Hydrants	134,257	137,746	140,952	143,969	146,798	149,438
14											
15	TN	C	Mains - Unscheduled	331001	Transmission & Distribution Mains	6,700,860	6,771,290	6,811,750	6,852,210	6,932,131	7,032,032
16	TN	C		335000	Hydrants	5,669	5,739	5,779	5,819	5,898	5,997
17											
18	TN	D	Mains - Relocated	331001	Transmission & Distribution Mains	3,642,174	3,656,347	3,665,795	3,675,243	3,679,968	3,679,968
19	TN	D		333000	Services	49,148	49,342	49,471	49,600	49,665	49,665
20	TN	D		335000	Hydrants	159,334	159,967	160,388	160,809	161,020	161,020
21											
22	TN	E	Hydrants, Valves, and Manholes - New	331001	Transmission & Distribution Mains	258,541	271,937	284,496	291,194	295,799	299,985
23	TN	E		335000	Hydrants	84,171	86,775	89,216	90,518	91,413	92,227
24											
25	TN	F	Hydrants, Valves, and Manholes - Replaced	331001	Transmission & Distribution Mains	263,459	279,062	292,604	303,203	310,857	315,568
26	TN	F		335000	Hydrants	799,061	836,457	868,915	894,316	912,662	923,952
27											
28	TN	G	Services and Laterals - New	333000	Services	603,750	685,000	786,000	867,000	942,500	993,000
29											
30	TN	H	Services and Laterals - Replaced	333000	Services	2,278,291	2,342,724	2,397,275	2,439,770	2,469,417	2,495,359
31	TN	H		334100	Meters	21,838	22,605	23,254	23,759	24,112	24,420
32											
33	TN	I	Meters - New	334100	Meters	68,790	83,518	95,650	105,356	110,500	115,353
34	TN	I		334200	Meter Installations	72,960	88,582	101,450	111,744	117,200	122,347
35											
36	TN	J	Meters - Replaced	334100	Meters	805,567	849,922	882,383	908,996	923,781	931,174
37	TN	J		334200	Meter Installations	5,012,894	5,268,538	5,455,623	5,609,010	5,694,224	5,736,832
38											
39	TN	K	ITS Equipment and Systems	340200	Computer & Peripheral Equipment	0	0	0	0	0	0
40											
41	TN	L	SCADA Equipment and Systems	320100	WT Equip Non-Media	268,337	268,337	268,337	268,337	268,337	268,337
42	TN	L		340200	Computer & Peripheral Equipment	62,046	63,310	64,257	64,889	65,205	65,457
43	TN	L		346100	Comm Equip Non-Telephone	38,274	37,737	37,334	37,066	36,932	36,824
44	TN	L		346190	Remote Control & Instrument	828,938	848,209	862,663	872,299	877,116	880,971
45											
46	TN	M	Security Equipment and Systems	304100	Struct & Imp-Supply	25,058	26,351	26,869	27,386	27,904	28,033
47	TN	M		304200	Struct & Imp-Pumping	0	0	0	0	0	0
48	TN	M		304300	Structures & Improvement - Treatment	391,512	411,725	419,811	427,896	435,981	438,003
49	TN	M		304400	Struct & Imp-Treatment-T&D	60,678	63,811	65,064	66,317	67,571	67,884
50	TN	M		304500	Structures & Improvement - General	6,193	6,193	6,193	6,193	6,193	6,193
51	TN	M		340200	Computer & Peripheral Equipment	6,970	7,330	7,474	7,618	7,762	7,798
52											
53	TN	N	Offices and Operations Centers	304500	Structures & Improvement - General	0	0	0	0	0	0
54											
55	TN	O	Vehicles	341100	Transportation Equip Lt Duty Trucks	0	0	0	0	0	0
56	TN	O		341200	Transportation Equip Hvy Duty Trucks	0	0	0	0	0	0

Tennessee American Water Company
Qualified Infrastructure Improvement Program
Economic Development Rider
Safety and Environmental Compliance Rider

STRATEGIC CAPITAL EXPENDITURE PLAN
PROGRAM

Business Unit Tennessee
Revision Date July 5, 2017
Description TN BP 2018-2022 SCEP

					Cumulative Balance of In-Serviced Plant, from 2018 Capex, by Period						
Line #	Business Unit No.		Project Title	Account	Account Description	7	8	9	10	11	12
57	TN	O		341300	Transportation Equip Autos	0	0	0	0	0	0
58											
59	TN	P	Tools and Equipment	343000	Tools, Shop, Garage Equipment	0	0	0	0	0	0
60											
61	TN	Q	Process Plant Facilities and Equipment	304100	Struct & Imp-Supply	757,515	765,260	772,145	779,030	785,914	788,711
62	TN	Q		304200	Struct & Imp-Pumping	898,685	909,817	919,712	929,607	939,502	943,521
63	TN	Q		304300	Struct & Imp-Treatment	163,897	165,927	167,731	169,536	171,341	172,074
64	TN	Q		304400	Struct & Imp-Treatment-T&D	27,689	28,032	28,337	28,642	28,947	29,071
65	TN	Q		304500	Structures & Improvement - General	66,033	66,851	67,578	68,305	69,032	69,327
66	TN	Q		304600	Struc & Imp-Offices	8,105	8,206	8,295	8,384	8,473	8,510
67	TN	Q		304700	Struct & Imp-Store,Shop,Garage	0	0	0	0	0	0
68	TN	Q		306000	Lake, River & Other Intakes	26,145	26,468	26,756	27,044	27,332	27,449
69	TN	Q		309000	Supply Mains	9,862	9,862	9,862	9,862	9,862	9,862
70	TN	Q		310000	Power Generation Equip	40,655	40,848	41,020	41,192	41,363	41,433
71	TN	Q		311200	Pump Eqp Electric	44,611	45,164	45,655	46,146	46,637	46,837
72	TN	Q		311520	Pumping Equipment SOS	1,862,749	1,884,387	1,903,622	1,922,856	1,942,090	1,949,904
73	TN	Q		320100	WT Equip Non-Media	2,821,110	2,851,394	2,878,314	2,905,233	2,932,153	2,943,089
74	TN	Q		320200	Water Trmt Equip Filter Media	995,607	1,007,939	1,018,902	1,029,864	1,040,826	1,045,279
75	TN	Q		330000	Dist Reservoirs & Standpipes	25,533	25,849	26,130	26,412	26,693	26,807
76	TN	Q	331001	Transmission & Distribution Mains	0	0	0	0	0	0	
77	TN	Q	334100	Meters	0	0	0	0	0	0	
78	TN	Q	340200	Computer & Peripheral Equipment	0	0	0	0	0	0	
79	TN	Q	340300	Computer Software	107,211	108,539	109,719	110,900	112,080	112,560	
80	TN	Q	340330	Computer Software Other	1,054	1,067	1,079	1,090	1,102	1,106	
81	TN	Q	343000	Tools, Shop, Garage Equipment	3,552	3,596	3,635	3,674	3,713	3,729	
82	TN	Q	344000	Laboratory Equipment	5,283	5,348	5,406	5,464	5,523	5,546	
83	TN	Q	345000	Power Operated Equipment	44,733	45,287	45,780	46,272	46,765	46,965	
84	TN	Q	346190	Remote Control & Instrument	6,581	6,663	6,735	6,808	6,880	6,910	
85	TN	Q	347000	Misc Equipment	8,403	8,507	8,600	8,692	8,785	8,823	
86											
87	TN	R	Capitalized Tank Rehabilitation/Painting	304300	Struct & Imp-Treatment	0	0	0	0	0	0
88	TN	R		304301	Struct & Imp-Treatment-Dpr Paint	1,250,689	1,250,689	1,250,689	1,250,689	1,250,689	1,250,689
89	TN	R		320100	WT Equip Non-Media	259,932	259,932	259,932	259,932	259,932	259,932
90	TN	R		320200	Water Trmt Equip Filter Media	52,740	52,740	52,740	52,740	52,740	52,740
91	TN	R		330000	Dist Reservoirs & Standpipes	23,130	23,144	23,159	23,173	23,180	23,186
92	TN	R		330003	Tank Repainting	1,312,424	1,377,543	1,439,561	1,501,580	1,532,589	1,560,497
93	TN	R		330100	Elevated Tanks & Standpipes	126,452	132,726	138,702	144,677	147,665	150,354
94	TN	R		330200	Ground Level Tanks	677,019	710,611	742,603	774,595	790,591	804,988
95											
96	TN	S	Engineering Studies	331001	Transmission & Distribution Mains	0	0	0	0	0	0
97			Total Recurring Projects								
98											
99			ACQUISITIONS								
100											
101			Total Acquisitions								
102											
103			CENTRALLY SPONSORED PROJECTS								
104	TN	T26-0202	Business Transformation 2010 - 2014	340315	Computer Software Special Deprec Rate	0	0	0	0	0	0
105	TN	T26-0203	Business Transformation 2010 - 2014	340315	Computer Software Special Deprec Rate	0	0	0	0	0	0
106			Total Centrally Sponsored Projects								
107											
108			INVESTMENT PROJECTS								
109	TN	I26-020017	Electrical Motor Efficiency Enhancement (\$2.9)			0	0	0	0	0	0
110	TN	I26-020027	Construct 1.0MG Tank & 2500-16" ER (\$1.0)			0	0	0	0	0	0
111	TN	I26-020028	Citico Plant Improvements Phase 1B (\$8.6)	304300	Struct & Imp-Treatment	6,103,569	6,103,569	6,103,569	6,103,569	6,103,569	6,103,569

**Tennessee American Water Company
Qualified Infrastructure Improvement Program
Economic Development Rider
Safety and Environmental Compliance Rider**

STRATEGIC CAPITAL EXPENDITURE PLAN PROGRAM

Business Unit	Tennessee
Revision Date	July 5, 2017
Description	TN BP 2018-2022 SCEP

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Tennessee American Water Company
Qualified Infrastructure Improvement Program
Economic Development Rider
Safety and Environmental Compliance Rider

STRATEGIC CAPITAL EXPENDITURE PLAN
PROGRAM

Business Unit Tennessee
Revision Date July 5, 2017
Description TN BP 2018-2022 SCEP

2018

Line #	Business Unit No.	Project Title	Account	Account Description	Surcharge	Average Plant in Service	Average Retirements (Replacement Projects Only)	Average CIAC	Depreciation Expense	Average Cost of Removal Less Salvage
1		RECURRING PROJECTS								
2	TN	DV	Projects Funded by Others	331001	Transmission & Distribution Mains	\$ -	\$ -	\$ -	\$ -	\$ -
3	TN	DV		333000	Services	0	0	0	0	0
4	TN	DV		335000	Hydrants	0	0	0	0	0
5										
6	TN	A	Mains - New	331001	Transmission & Distribution Mains	EDI	1,328,842	0	16,611	0
7	TN	A		333000	Services	EDI	10,947	0	122	0
8	TN	A		334300	Meter Vaults	EDI	26,686	0	729	0
9	TN	A		335000	Hydrants	EDI	78,523	0	1,806	0
10										
11	TN	B	Mains - Replaced / Restored	331001	Transmission & Distribution Mains	QIIP	5,699,890	(305,818)	67,426	81,098
12	TN	B		333000	Services	QIIP	564,171	(510)	6,257	59,108
13	TN	B		335000	Hydrants	QIIP	131,790	(1,638)	2,994	739
14										
15	TN	C	Mains - Unscheduled	331001	Transmission & Distribution Mains	QIIP	6,563,957	(461,417)	76,282	715,873
16	TN	C		335000	Hydrants	QIIP	5,534	0	127	0
17										
18	TN	D	Mains - Relocated	331001	Transmission & Distribution Mains	QIIP	3,626,548	(144,096)	16,868	127,654
19	TN	D		333000	Services	QIIP	48,934	(29,877)	212	49,770
20	TN	D		335000	Hydrants	QIIP	158,638	(65,099)	(515)	0
21										
22	TN	E	Hydrants, Valves, and Manholes - New	331001	Transmission & Distribution Mains	EDI	244,758	0	3,059	0
23	TN	E		335000	Hydrants	EDI	81,492	(1,180)	1,333	1,248
24										
25	TN	F	Hydrants, Valves, and Manholes - Replaced	331001	Transmission & Distribution Mains	QIIP	251,230	(25,517)	2,821	62,588
26	TN	F		335000	Hydrants	QIIP	769,751	(63,830)	16,110	31,583
27										
28	TN	G	Services and Laterals - New	333000	Services		495,769	0	5,503	0
29										
30	TN	H	Services and Laterals - Replaced	333000	Services	QIIP	2,186,608	(88,467)	23,289	569,005
31	TN	H		334100	Meters	QIIP	20,748	(10,504)	765	14,808
32										
33	TN	I	Meters - New	334100	Meters		55,095	0	4,116	0
34	TN	I		334200	Meter Installations		58,436	0	1,595	0
35										
36	TN	J	Meters - Replaced	334100	Meters	QIIP	762,773	(2,043,303)	(95,656)	234,110
37	TN	J		334200	Meter Installations	QIIP	4,766,250	(574,914)	114,423	845,370
38										
39	TN	K	ITS Equipment and Systems	340200	Computer & Peripheral Equipment		0	0	0	0
40										
41	TN	L	SCADA Equipment and Systems	320100	WT Equip Non-Media	SEC	268,337	(12,365)	2,790	5,933
42	TN	L		340200	Computer & Peripheral Equipment	SEC	60,484	0	1,325	2,449
43	TN	L		346100	Comm Equip Non-Telephone	SEC	38,938	0	1,639	0
44	TN	L		346190	Remote Control & Instrument	SEC	805,108	(86,308)	30,261	52,132
45										
46	TN	M	Security Equipment and Systems	304100	Struct & Imp-Supply	SEC	24,003	0	475	0
47	TN	M		304200	Struct & Imp-Pumping	SEC	0	(10,202)	(202)	0
48	TN	M		304300	Structures & Improvement - Treatment	SEC	375,030	(6,763)	15,136	12,094
49	TN	M		304400	Struct & Imp-Treatment-T&D	SEC	58,124	0	1,238	0
50	TN	M		304500	Structures & Improvement - General	SEC	6,193	0	70	0
51	TN	M		340200	Computer & Peripheral Equipment	SEC	6,677	0	146	0
52										
53	TN	N	Offices and Operations Centers	304500	Structures & Improvement - General		0	0	0	0
54										
55	TN	O	Vehicles	341100	Transportation Equip Lt Duty Trucks		0	0	0	0
56	TN	O		341200	Transportation Equip Hvy Duty Trucks		0	0	0	0

Tennessee American Water Company
Qualified Infrastructure Improvement Program
Economic Development Rider
Safety and Environmental Compliance Rider

STRATEGIC CAPITAL EXPENDITURE PLAN
PROGRAM

Business Unit Tennessee
Revision Date July 5, 2017
Description TN BP 2018-2022 SCEP

2018

Line #	Business Unit No.	Project Title	Account	Account Description	Surcharge	Average Plant in Service	Average Retirements (Replacement Projects Only)	Average CIAC	Depreciation Expense	Average Cost of Removal Less Salvage
57	TN	O	341300	Transportation Equip Autos		0	0	0	0	0
58										
59	TN	P	343000	Tools, Shop, Garage Equipment		0	0	0	0	0
60										
61	TN	Q	304100	Struct & Imp-Supply	SEC	750,150	0	0	14,853	874
62	TN	Q	304200	Struct & Imp-Pumping	SEC	888,100	(24,007)	0	17,109	34,372
63	TN	Q	304300	Struct & Imp-Treatment	SEC	161,966	(16,664)	0	5,972	2,250
64	TN	Q	304400	Struct & Imp-Treatment-T&D	SEC	27,363	0	0	583	0
65	TN	Q	304500	Structures & Improvement - General	SEC	65,255	0	0	737	277
66	TN	Q	304600	Struc & Imp-Offices	SEC	8,010	0	0	91	0
67	TN	Q	304700	Struct & Imp-Store,Shop,Garage	SEC	0	(7,869)	0	(57)	1
68	TN	Q	306000	Lake, River & Other Intakes	SEC	25,837	0	0	214	313
69	TN	Q	309000	Supply Mains	SEC	9,862	0	0	184	0
70	TN	Q	310000	Power Generation Equip	SEC	40,472	0	0	4,990	115
71	TN	Q	311200	Pump Eqp Electric	SEC	44,086	(140,180)	0	(2,354)	41,888
72	TN	Q	311520	Pumping Equipment SOS	SEC	1,842,174	(68,500)	0	32,458	35,050
73	TN	Q	320100	WT Equip Non-Media	SEC	2,792,314	(512,230)	0	24,853	329,061
74	TN	Q	320200	Water Trmt Equip Filter Media	SEC	983,881	(379,575)	0	203,591	413,468
75	TN	Q	330000	Dist Reservoirs & Standpipes	SEC	25,232	(0)	0	525	0
76	TN	Q	331001	Transmission & Distribution Mains	SEC	0	(1,011)	0	(13)	0
77	TN	Q	334100	Meters	SEC	0	0	0	0	0
78	TN	Q	340200	Computer & Peripheral Equipment	SEC	0	(0)	0	(0)	105
79	TN	Q	340300	Computer Software	SEC	105,948	0	0	1,939	0
80	TN	Q	340330	Computer Software Other	SEC	1,041	0	0	19	0
81	TN	Q	343000	Tools, Shop, Garage Equipment	SEC	3,510	(2,883)	0	43	0
82	TN	Q	344000	Laboratory Equipment	SEC	5,220	(150,002)	0	(1,462)	1,298
83	TN	Q	345000	Power Operated Equipment	SEC	44,206	(12,028)	0	2,262	1,787
84	TN	Q	346190	Remote Control & Instrument	SEC	6,504	(3,305)	0	135	0
85	TN	Q	347000	Misc Equipment	SEC	8,304	(4,015)	0	272	3,367
86								0		
87	TN	R	304300	Struct & Imp-Treatment	QIIP	0	(94,900)	0	(3,900)	0
88	TN	R	304301	Struct & Imp-Treatment-Dpr Paint	QIIP	1,250,689	(170,157)	0	130,312	661,770
89	TN	R	320100	WT Equip Non-Media	QIIP	259,932	(123,785)	0	1,484	89,500
90	TN	R	320200	Water Trmt Equip Filter Media	QIIP	52,740	(36,378)	0	5,512	206,460
91	TN	R	330000	Dist Reservoirs & Standpipes	QIIP	23,112	0	0	481	0
92	TN	R	330003	Tank Repainting	QIIP	1,235,856	(145,750)	0	120,784	273,838
93	TN	R	330100	Elevated Tanks & Standpipes	QIIP	119,074	0	0	3,263	0
94	TN	R	330200	Ground Level Tanks	QIIP	637,521	(446)	0	17,456	977
95										
96	TN	S	331001	Transmission & Distribution Mains		0	0	0	0	0
97										
98										
99										
100										
101										
102										
103										
104	TN	T26-0202	340315	Computer Software Special Deprec Rate		0			0	
105	TN	T26-0203	340315	Computer Software Special Deprec Rate		0			0	
106										
107										
108										
109	TN	I26-020017		Electrical Motor Efficiency Enhancement (\$2.9)	SEC	0			0	
110	TN	I26-020027		Construct 1.0MG Tank & 2500-16" ER (\$1.0)	SEC	0			0	
111	TN	I26-020028	304300	Citico Plant Improvements Phase 1B (\$8.6)	QIIP	6,103,569	0		250,857	0

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Safety and Environmental Compliance Rider**

STRATEGIC CAPITAL EXPENDITURE PLAN
PROGRAM

Business Unit	Tennessee
Revision Date	July 5, 2017
Description	TN BP 2018-2022 SCEP

2018

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Tennessee American Water Company
Qualified Infrastructure Improvement Program
Economic Development Rider
Safety and Environmental Compliance Rider

STRATEGIC CAPITAL EXPENDITURE PLAN
PROGRAM

Business Unit Tennessee
Revision Date July 5, 2017
Description TN BP 2018-2022 SCEP

Line #	Business Unit No.	Project Title	Account	Account Description	Tax Depr class life	Y1 Tax Depr Rate (3)	Y2 Tax Depr Rate (3)	Y3 Tax Depr Rate (3)	Y4 Tax Depr Rate (3)	Y5 Tax Depr Rate (3)	Y6 Tax Depr Rate (3)	Tax Depreciation	Tax over Book Depreciation	Tax Rate	Depreciation Deferred Tax (DTA, DTL)
1		RECURRING PROJECTS													
2	TN	DV		Projects Funded by Others											
3	TN	DV	331001	Transmission & Distribution Mains	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%		-	-	0.26135	-
4	TN	DV	333000	Services	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%		-	-	0.26135	-
5			335000	Hydrants	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%		-	-	0.26135	-
6	TN	A		Mains - New											
7	TN	A	331001	Transmission & Distribution Mains	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%		53,930	37,320	0.26135	(9,754)
8	TN	A	333000	Services	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%		444	323	0.26135	(84)
9	TN	A	334300	Meter Vaults	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%		1,083	355	0.26135	(93)
10			335000	Hydrants	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%		3,187	1,381	0.26135	(361)
11	TN	B		Mains - Replaced / Restored											
12	TN	B	331001	Transmission & Distribution Mains	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%		230,584	163,159	0.26135	(42,641)
13	TN	B	333000	Services	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%		22,853	16,597	0.26135	(4,338)
14			335000	Hydrants	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%		5,327	2,333	0.26135	(610)
15	TN	C		Mains - Unscheduled											
16	TN	C	331001	Transmission & Distribution Mains	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%		260,722	184,440	0.26135	(48,203)
17			335000	Hydrants	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%		220	92	0.26135	(24)
18	TN	D		Mains - Relocated											
19	TN	D	331001	Transmission & Distribution Mains	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%		125,382	108,515	0.26135	(28,360)
20	TN	D	333000	Services	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%		1,958	1,747	0.26135	(456)
21			335000	Hydrants	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%		6,348	6,863	0.26135	(1,794)
22	TN	E		Hydrants, Valves, and Manholes - New											
23	TN	E	331001	Transmission & Distribution Mains	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%		9,772	6,713	0.26135	(1,754)
24			335000	Hydrants	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%		3,102	1,769	0.26135	(462)
25	TN	F		Hydrants, Valves, and Manholes - Replaced											
26	TN	F	331001	Transmission & Distribution Mains	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%		10,138	7,317	0.26135	(1,912)
27			335000	Hydrants	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%		31,003	14,893	0.26135	(3,892)
28	TN	G		Services and Laterals - New											
29			333000	Services	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%		19,860	14,357	0.26135	(3,752)
30	TN	H		Services and Laterals - Replaced											
31	TN	H	333000	Services	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%		87,358	64,068	0.26135	(16,744)
32			334100	Meters	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%		829	63	0.26135	(17)
33	TN	I		Meters - New											
34	TN	I	334100	Meters	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%		2,307	(1,809)	0.26135	473
35			334200	Meter Installations	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%		2,447	852	0.26135	(223)
36	TN	J		Meters - Replaced											
37	TN	J	334100	Meters	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%		30,576	126,232	0.26135	(32,991)
38			334200	Meter Installations	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%		191,025	76,602	0.26135	(20,020)
39	TN	K		ITS Equipment and Systems											
40			340200	Computer & Peripheral Equipment	5 yr	20.000%	32.000%	19.200%	11.520%	11.520%		0	-	0.26135	-
41	TN	L		SCADA Equipment and Systems											
42	TN	L	320100	WT Equip Non-Media	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%		10,733	7,943	0.26135	(2,076)
43	TN	L	340200	Computer & Peripheral Equipment	5 yr	20.000%	32.000%	19.200%	11.520%	11.520%		13,419	12,095	0.26135	(3,161)
44	TN	L	346100	Comm Equip Non-Telephone	5 yr	20.000%	32.000%	19.200%	11.520%	11.520%		3,878	2,239	0.26135	(585)
45			346190	Remote Control & Instrument	5 yr	20.000%	32.000%	19.200%	11.520%	11.520%		157,217	126,955	0.26135	(33,180)
46	TN	M		Security Equipment and Systems											
47	TN	M	304100	Struct & Imp-Supply	39 yr	1.282%	2.564%	2.564%	2.564%	2.564%		619	144	0.26135	(38)
48	TN	M	304200	Struct & Imp-Pumping	39 yr	1.282%	2.564%	2.564%	2.564%	2.564%		0	202	0.26135	(53)
49	TN	M	304300	Structures & Improvement - Treatment	39 yr	1.282%	2.564%	2.564%	2.564%	2.564%		9,676	(5,460)	0.26135	1,427
50	TN	M	304400	Struct & Imp-Treatment-T&D	39 yr	1.282%	2.564%	2.564%	2.564%	2.564%		1,500	262	0.26135	(68)
51	TN	M	304500	Structures & Improvement - General	39 yr	1.282%	2.564%	2.564%	2.564%	2.564%		159	89	0.26135	(23)
52			340200	Computer & Peripheral Equipment	5 yr	20.000%	32.000%	19.200%	11.520%	11.520%		2,236	2,090	0.26135	(546)
53	TN	N		Offices and Operations Centers											
54			304500	Structures & Improvement - General	39 yr	1.282%	2.564%	2.564%	2.564%	2.564%		0	-	0.26135	-
55	TN	O		Vehicles											
56	TN	O	341100	Transportation Equip Lt Duty Trucks	5 yr	20.000%	32.000%	19.200%	11.520%	11.520%		0	-	0.26135	-
			341200	Transportation Equip Hvy Duty Trucks	5 yr	20.000%	32.000%	19.200%	11.520%	11.520%		0	-	0.26135	-

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Business Unit Tennessee
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Line #	Business Unit No.	Project Title	Account	Account Description	Tax Depr class life	Y1 Tax Depr Rate (3)	Y2 Tax Depr Rate (3)	Y3 Tax Depr Rate (3)	Y4 Tax Depr Rate (3)	Y5 Tax Depr Rate (3)	Y6 Tax Depr Rate (3)	Tax Depreciation	Tax over Book Depreciation	Tax Rate	Depreciation Deferred Tax (DTA, (DTL))
57	TN	O	341300	Transportation Equip Autos	5 yr	20.000%	32.000%	19.200%	11.520%	11.520%		0	-	0.26135	-
58															
59	TN	P	343000	Tools, Shop, Garage Equipment	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%		0	-	0.26135	-
60															
61	TN	Q	304100	Struct & Imp-Supply	39 yr	1.282%	2.564%	2.564%	2.564%	2.564%		19,241	4,388	0.26135	(1,147)
62	TN	Q	304200	Struct & Imp-Pumping	39 yr	1.282%	2.564%	2.564%	2.564%	2.564%		22,781	5,672	0.26135	(1,482)
63	TN	Q	304300	Struct & Imp-Treatment	39 yr	1.282%	2.564%	2.564%	2.564%	2.564%		4,155	(1,817)	0.26135	475
64	TN	Q	304400	Struct & Imp-Treatment-T&D	39 yr	1.282%	2.564%	2.564%	2.564%	2.564%		702	119	0.26135	(31)
65	TN	Q	304500	Structures & Improvement - General	39 yr	1.282%	2.564%	2.564%	2.564%	2.564%		1,674	936	0.26135	(245)
66	TN	Q	304600	Struc & Imp-Offices	39 yr	1.282%	2.564%	2.564%	2.564%	2.564%		205	115	0.26135	(30)
67	TN	Q	304700	Struct & Imp-Store,Shop,Garage	39 yr	1.282%	2.564%	2.564%	2.564%	2.564%		0	57	0.26135	(15)
68	TN	Q	306000	Lake, River & Other Intakes	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%		1,034	819	0.26135	(214)
69	TN	Q	309000	Supply Mains	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%		394	210	0.26135	(55)
70	TN	Q	310000	Power Generation Equip	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%		1,619	(3,371)	0.26135	881
71	TN	Q	311200	Pump Eqp Electric	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%		1,764	4,118	0.26135	(1,076)
72	TN	Q	311520	Pumping Equipment SOS	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%		73,717	41,258	0.26135	(10,783)
73	TN	Q	320100	WT Equip Non-Media	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%		111,734	86,881	0.26135	(22,706)
74	TN	Q	320200	Water Trmt Equip Filter Media	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%		39,372	(164,218)	0.26135	42,918
75	TN	Q	330000	Dist Reservoirs & Standpipes	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%		1,010	485	0.26135	(127)
76	TN	Q	331001	Transmission & Distribution Mains	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%		0	13	0.26135	(3)
77	TN	Q	334100	Meters	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%		0	-	0.26135	-
78	TN	Q	340200	Computer & Peripheral Equipment	5 yr	20.000%	32.000%	19.200%	11.520%	11.520%		0	0	0.26135	(0)
79	TN	Q	340300	Computer Software	5 yr	20.000%	32.000%	19.200%	11.520%	11.520%		34,443	32,504	0.26135	(8,495)
80	TN	Q	340330	Computer Software Other	5 yr	20.000%	32.000%	19.200%	11.520%	11.520%		339	320	0.26135	(84)
81	TN	Q	343000	Tools, Shop, Garage Equipment	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%		140	97	0.26135	(25)
82	TN	Q	344000	Laboratory Equipment	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%		209	1,671	0.26135	(437)
83	TN	Q	345000	Power Operated Equipment	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%		1,769	(493)	0.26135	129
84	TN	Q	346190	Remote Control & Instrument	5 yr	20.000%	32.000%	19.200%	11.520%	11.520%		1,397	1,263	0.26135	(330)
85	TN	Q	347000	Misc Equipment	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%		332	61	0.26135	(16)
86															
87	TN	R	304300	Struct & Imp-Treatment	39 yr	1.282%	2.564%	2.564%	2.564%	2.564%		0	3,900	0.26135	(1,019)
88	TN	R	304301	Struct & Imp-Treatment-Dpr Paint	39 yr	1.282%	2.564%	2.564%	2.564%	2.564%		32,068	(98,244)	0.26135	25,676
89	TN	R	320100	WT Equip Non-Media	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%		10,397	8,913	0.26135	(2,329)
90	TN	R	320200	Water Trmt Equip Filter Media	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%		2,110	(3,403)	0.26135	889
91	TN	R	330000	Dist Reservoirs & Standpipes	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%		925	444	0.26135	(116)
92	TN	R	330003	Tank Repainting	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%		50,016	(70,767)	0.26135	18,495
93	TN	R	330100	Elevated Tanks & Standpipes	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%		4,819	1,556	0.26135	(407)
94	TN	R	330200	Ground Level Tanks	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%		25,801	8,345	0.26135	(2,181)
95															
96	TN	S	331001	Transmission & Distribution Mains	25 yr	2.000%	4.000%	4.000%	4.000%	4.000%		0	-	0.26135	-
97				Total Recurring Projects											
98															
99				ACQUISITIONS											
100															
101				Total Acquisitions											
102															
103				CENTRALLY SPONSORED PROJECTS											
104	TN	T26-0202	340315	Business Transformation 2010 - 2014 Computer Software Special Deprec Rate	3 yr	33.330%	33.330%	33.340%	0.000%	0.000%		0	-	0.26135	-
105	TN	T26-0203	340315	Business Transformation 2010 - 2014 Computer Software Special Deprec Rate	3 yr	33.330%	33.330%	33.340%	0.000%	0.000%					
106				Total Centrally Sponsored Projects											
107															
108				INVESTMENT PROJECTS											
109	TN	I26-020017		Electrical Motor Efficiency Enhancement (\$2.9)											-
110	TN	I26-020027		Construct 1.0MG Tank & 2500-16" ER (\$1.0)											-
111	TN	I26-020028	304300	Citico Plant Improvements Phase 1B (\$8.6)	39 yr	0.01282	0.02564	0.02564	0.02564	0.02564		156,496	(94,361)	0.26135	24,661

**Tennessee American Water Company
Qualified Infrastructure Improvement Program
Economic Development Rider
Safety and Environmental Compliance Rider**

STRATEGIC CAPITAL EXPENDITURE PLAN PROGRAM

Business Unit	Tennessee
Revision Date	July 5, 2017
Description	TN BP 2018-2022 SCEP

Line #	Business Unit No.		Project Title	Account	Account Description	Tax Depr class life	Y1 Tax Depr Rate (3)	Y2 Tax Depr Rate (3)	Y3 Tax Depr Rate (3)	Y4 Tax Depr Rate (3)	Y5 Tax Depr Rate (3)	Y6 Tax Depr Rate (3)	Tax Depreciation	Tax over Book Depreciation	Tax Rate	Depreciation Deferred Tax (DTA, (DTL))
112	TN	I26-020028	Wastewater Treatm't & Handling Impr (\$15.3)	320100	WT Equip Non-Media	25 yr	0.02	0.04	0.04	0.04	0.04		84,356	61,890	0.26135	(16,175)
113	TN	I26-020028		346190	Remote Control & Instrument	25 yr	0.02	0.04	0.04	0.04	0.04		8,293	(435)	0.26135	114
114	TN	I26-020032		304200	Struct & Imp-Pumping	39 yr	0.01282	0.02564	0.02564	0.02564	0.02564		-	290	0.26135	(76)
115	TN	I26-020032		304300	Struct & Imp-Treatment	39 yr	0.01282	0.02564	0.02564	0.02564	0.02564		106,193	(61,797)	0.26135	16,151
116	TN	I26-020032		304400	Struct & Imp-T&D	39 yr	0.01282	0.02564	0.02564	0.02564	0.02564		-	-	0.26135	-
117	TN	I26-020032		304500	Structures & Improvement - General	39 yr	0.01282	0.02564	0.02564	0.02564	0.02564		27,240	15,235	0.26135	(3,982)
118	TN	I26-020032		320100	WT Equip Non-Media	25 yr	0.02	0.04	0.04	0.04	0.04		413,462	300,797	0.26135	(78,613)
119	TN	I26-020032		330200	Ground Level Tanks	25 yr	0.02	0.04	0.04	0.04	0.04		-	-	0.26135	-
120	TN	I26-020032		347000	Misc Equipment	25 yr	0.02	0.04	0.04	0.04	0.04		238	(139)	0.26135	36
121	TN	I26-020034		Tennessee River Crossing (\$2.5)	331001	Transmission & Distribution Mains	25 yr	0.02	0.04	0.04	0.04	0.04		48,284	45,963	0.26135
122	TN	I26-020038	Retire Basin 1	304300	Struct & Imp-WT	39 yr	0.01282	0.02564	0.02564	0.02564	0.02564		-	-	0.26135	-
123	TN	I26-020039	Repl Basin 2 & Plate Settlers													0
124	TN	I26-020040	Chlorine Gas Conversion													-
125	TN	I26-020041	Electrical - Breakers and Relays (\$0.6)	311200	Pump Eqp Electric	25 yr	0.02	0.04	0.04	0.04	0.04		-	-	0.26135	-
126	TN	I26-020042	Pumping Auxiliary Power (\$1.4)													-
127	TN	I26-020043	Energy Reduction and Efficiency (\$0.87)													-
128	TN	I26-020044	New Raw Water Intake Citico (\$13)													-
129	TN	I26-020045	Remove Filter Bldg 3	304300	Struct & Imp-Treatment	39 yr	0.01282	0.02564	0.02564	0.02564	0.02564		2,049	(2,930)	0.26135	766
130	TN	I26-020046	New Field Services Facility (\$4.5)													-
131	TN	I26-050001	Raw Water Intake Improvements Whitwell (\$2)													-
132	TN	I26-050002	Facility Upgrades at Whitwell WTP (\$0.3)	320100	WT Equip Non-Media	25 yr	0.02	0.04	0.04	0.04	0.04		2,552	2,062	0.26135	(539)
133	TN	I26-050002		346190	Remote Control & Instrument	25 yr	0.02	0.04	0.04	0.04	0.04		11,452	(601)	0.26135	157
134	TN	I26-050003	Replace 0.5 MG Storage Tanks at Whitwell (\$.5)													-
135	TN	I26-050004	Replace 0.1 MG Storage Tank at Whitwell (\$0.3)	330200	Ground Level Tanks	25 yr	0.02	0.04	0.04	0.04	0.04		5,083	(1,304)	0.26135	341
136	TN	I26-020002	Post Acquisition BD Capex													-
137	TN	I26-000001	Whitwell Acquisition Capital Investment	331001	Transmission & Distribution Mains	25 yr	0.02	0.04	0.04	0.04	0.04		-	-	0.26135	-
138	TN	I26-000001		320200	Water Trmt Equip Filter Media	25 yr	0.02	0.04	0.04	0.04	0.04		-	-	0.26135	-
139	TN	I26-000001		311520	Pumping Equipment SOS	25 yr	0.02	0.04	0.04	0.04	0.04		-	-	0.26135	-
140	TN	I26-000001		340200	Computer & Peripheral Equipment	5 yr	0.2	0.32	0.192	0.1152	0.1152		-	-	0.26135	-
141																
142	(1) Amounts not reflected in actuals through 2016 or projections based on project costs through 2018.			Total DV Included:									\$ 2,609,758	\$ 1,107,240		\$ (289,377)
143																
144				Total DV Excluded:									\$ 2,609,758	\$ 1,107,240		\$ (289,377)
145	(2) From actual or estimated in-service data provided by the company.			Total Surcharge Amt:									\$ 2,585,144	\$ 1,093,840		\$ (285,875)
146																
147	(3) Tax depreciation rates utilized by the company.			SEC Total:									\$ 1,083,688	\$ 412,188		\$ (107,725)
148																
149				EDI Total:									\$ 71,519	\$ 47,860		\$ (12,508)
150																
151				QIIP Total:									\$ 1,429,937	\$ 633,792		\$ (165,641)
152																
153																

Tennessee American Water Company
Qualified Infrastructure Improvement Program
Economic Development Rider
Safety and Environmental Compliance Rider

STRATEGIC CAPITAL EXPENDITURE PLAN
PROGRAM

Business Unit Tennessee
Revision Date July 5, 2017
Description TN BP 2018-2022 SCEP

Line #	Business Unit No.	Project Title	Account	Account Description	NOTES	Average Accum Depreciation	Average Depreciation Deferred Tax (DTA, (DTL))
1		RECURRING PROJECTS					
2	TN	DV		Projects Funded by Others			
3	TN	DV	331001	Transmission & Distribution Mains	This should be zero if related to non-taxable	\$ -	\$ -
4	TN	DV	333000	Services	This should be zero if related to non-taxable	0	0
5			335000	Hydrants	This should be zero if related to non-taxable	0	0
6	TN	A	331001	Transmission & Distribution Mains		(27,055)	(21,160)
7	TN	A	333000	Services		(210)	(182)
8	TN	A	334300	Meter Vaults		(1,281)	(115)
9	TN	A	335000	Hydrants		(2,233)	(644)
10							
11	TN	B	331001	Transmission & Distribution Mains		(116,944)	(103,719)
12	TN	B	333000	Services		(9,105)	(9,304)
13	TN	B	335000	Hydrants		(4,556)	(1,159)
14							
15	TN	C	331001	Transmission & Distribution Mains		(158,884)	(129,821)
16	TN	C	335000	Hydrants		(361)	(13)
17							
18	TN	D	331001	Transmission & Distribution Mains		(37,858)	(53,505)
19	TN	D	333000	Services		(228)	(369)
20	TN	D	335000	Hydrants		3,760	(2,885)
21							
22	TN	E	331001	Transmission & Distribution Mains		(5,931)	(4,920)
23	TN	E	335000	Hydrants		(4,379)	(684)
24							
25	TN	F	331001	Transmission & Distribution Mains		(5,022)	(5,332)
26	TN	F	335000	Hydrants		(40,132)	(11,080)
27							
28	TN	G	333000	Services		(6,131)	(2,939)
29							
30	TN	H	333000	Services		(49,830)	(46,857)
31	TN	H	334100	Meters		(688)	(100)
32							
33	TN	I	334100	Meters		(8,491)	2,084
34	TN	I	334200	Meter Installations		(2,256)	42
35							
36	TN	J	334100	Meters		(1,245)	(11,527)
37	TN	J	334200	Meter Installations		(210,219)	(46,675)
38							
39	TN	K	340200	Computer & Peripheral Equipment		0	0
40							
41	TN	L	320100	WT Equip Non-Media		(11,495)	(10,952)
42	TN	L	340200	Computer & Peripheral Equipment		(2,116)	(11,311)
43	TN	L	346100	Comm Equip Non-Telephone		(6,999)	(8,593)
44	TN	L	346190	Remote Control & Instrument		(66,840)	(155,425)
45							
46	TN	M	304100	Struct & Imp-Supply		(269)	(109)
47	TN	M	304200	Struct & Imp-Pumping		225	(75)
48	TN	M	304300	Structures & Improvement - Treatment		(22,280)	1,648
49	TN	M	304400	Struct & Imp-Treatment-T&D		(1,663)	(312)
50	TN	M	304500	Structures & Improvement - General		(245)	(116)
51	TN	M	340200	Computer & Peripheral Equipment		(83)	(712)
52							
53	TN	N	304500	Structures & Improvement - General		0	0
54							
55	TN	O	341100	Transportation Equip Lt Duty Trucks		0	0
56	TN	O	341200	Transportation Equip Hvy Duty Trucks		0	0

Tennessee American Water Company
Qualified Infrastructure Improvement Program
Economic Development Rider
Safety and Environmental Compliance Rider

**STRATEGIC CAPITAL EXPENDITURE PLAN
PROGRAM**

Business Unit Tennessee
Revision Date July 5, 2017
Description TN BP 2018-2022 SCEP

Line #	Business Unit No.	Project Title	Account	Account Description	NOTES	Average Accum Depreciation	Average Depreciation Deferred Tax (DTA, (DTL))
57	TN	O	341300	Transportation Equip Autos		0	0
58							
59	TN	P	343000	Tools, Shop, Garage Equipment		0	0
60							
61	TN	Q	304100	Struct & Imp-Supply		(19,645)	(3,912)
62	TN	Q	304200	Struct & Imp-Pumping		(19,309)	(4,487)
63	TN	Q	304300	Struct & Imp-Treatment		(6,076)	412
64	TN	Q	304400	Struct & Imp-Treatment-T&D		(1,427)	(215)
65	TN	Q	304500	Structures & Improvement - General		(1,522)	(535)
66	TN	Q	304600	Struc & Imp-Offices		(104)	(30)
67	TN	Q	304700	Struct & Imp-Store,Shop,Garage		177	(66)
68	TN	Q	306000	Lake, River & Other Intakes		(448)	(544)
69	TN	Q	309000	Supply Mains		(722)	(244)
70	TN	Q	310000	Power Generation Equip		(15,352)	2,869
71	TN	Q	311200	Pump Eqp Electric		3,547	(2,392)
72	TN	Q	311520	Pumping Equipment SOS		(54,308)	(26,152)
73	TN	Q	320100	WT Equip Non-Media		(62,525)	(73,231)
74	TN	Q	320200	Water Trmt Equip Filter Media		(456,248)	131,441
75	TN	Q	330000	Dist Reservoirs & Standpipes		(723)	(69)
76	TN	Q	331001	Transmission & Distribution Mains		7	(2)
77	TN	Q	334100	Meters		0	0
78	TN	Q	340200	Computer & Peripheral Equipment		0	(0)
79	TN	Q	340300	Computer Software		(2,649)	(16,588)
80	TN	Q	340330	Computer Software Other		(26)	(163)
81	TN	Q	343000	Tools, Shop, Garage Equipment		(93)	(62)
82	TN	Q	344000	Laboratory Equipment		5,315	(1,980)
83	TN	Q	345000	Power Operated Equipment		(7,520)	943
84	TN	Q	346190	Remote Control & Instrument		(171)	(1,306)
85	TN	Q	347000	Misc Equipment		(1,284)	137
86							
87	TN	R	304300	Struct & Imp-Treatment		13,356	(4,976)
88	TN	R	304301	Struct & Imp-Treatment-Dpr Paint		(321,329)	94,454
89	TN	R	320100	WT Equip Non-Media		(41,577)	(53,616)
90	TN	R	320200	Water Trmt Equip Filter Media		(12,933)	3,195
91	TN	R	330000	Dist Reservoirs & Standpipes		(10,434)	(5,771)
92	TN	R	330003	Tank Repainting		(105,424)	13,501
93	TN	R	330100	Elevated Tanks & Standpipes		(4,878)	(1,062)
94	TN	R	330200	Ground Level Tanks		(9,708)	(4,510)
95							
96	TN	S	331001	Transmission & Distribution Mains		0	0
97							
98							
99							
100							
101							
102							
103							
104	TN	T26-0202	340315	Computer Software Special Deprec Rate		0	0
105	TN	T26-0203	340315	Computer Software Special Deprec Rate			
106							
107							
108							
109	TN	I26-020017		Electrical Motor Efficiency Enhancement (\$2.9)			
110	TN	I26-020027		Construct 1.0MG Tank & 2500-16" ER (\$1.0)			
111	TN	I26-020028	304300	Citico Plant Improvements Phase 1B (\$8.6)		(515,239)	71,277

Tennessee American Water Company
Qualified Infrastructure Improvement Program
Economic Development Rider
Safety and Environmental Compliance Rider

STRATEGIC CAPITAL EXPENDITURE PLAN
PROGRAM

Business Unit Tennessee
Revision Date July 5, 2017
Description TN BP 2018-2022 SCEP

Line #	Business Unit No.	Project Title	Account	Account Description	NOTES	Average Accum Depreciation	Average Depreciation Deferred Tax (DTA, (DTL))
112	TN	I26-020028	320100	WT Equip Non-Media		(45,742)	(43,994)
113	TN	I26-020028	346190	Remote Control & Instrument		(8,403)	57
114	TN	I26-020032	304200	Struct & Imp-Pumping		323	(255)
115	TN	I26-020032	304300	Struct & Imp-Treatment		(245,853)	46,768
116	TN	I26-020032	304400	Struct & Imp-T&D		0	0
117	TN	I26-020032	304500	Structures & Improvement - General		(156,206)	(134,255)
118	TN	I26-020032	320100	WT Equip Non-Media		(227,931)	(234,972)
119	TN	I26-020032	330200	Ground Level Tanks		(1,730)	(768)
120	TN	I26-020032	347000	Misc Equipment		(2,102)	138
121	TN	I26-020034	331001	Transmission & Distribution Mains		(1,161)	(6,006)
122	TN	I26-020038	304300	Struct & Imp-WT		0	0
123	TN	I26-020039		Repl Basin 2 & Plate Settlers		0	0
124	TN	I26-020040		Chlorine Gas Conversion		0	0
125	TN	I26-020041		Electrical - Breakers and Relays (\$0.6)		0	0
126	TN	I26-020042		Pumping Auxiliary Power (\$1.4)		0	0
127	TN	I26-020043		Energy Reduction and Efficiency (\$0.87)			
128	TN	I26-020044		New Raw Water Intake Citico (\$13)			
129	TN	I26-020045	304300	Remove Filter Bldg 3		(2,489)	383
130	TN	I26-020046		New Field Services Facility (\$4.5)			
131	TN	I26-050001		Raw Water Intake Improvements Whitwell (\$2)			
132	TN	I26-050002	320100	Facility Upgrades at Whitwell WTP (\$0.3)		(299)	(269)
133	TN	I26-050002	346190	Remote Control & Instrument		(6,954)	79
134	TN	I26-050003		Replace 0.5 MG Storage Tanks at Whitwell (\$.5)			
135	TN	I26-050004	330200	Replace 0.1 MG Storage Tank at Whitwell (\$0.3)		(3,194)	170
136	TN	I26-020002		Post Acquisition BD Capex			
137	TN	I26-000001	331001	Whitwell Acquisition Capital Investment		0	0
138	TN	I26-000001	320200	Water Trmt Equip Filter Media		0	0
139	TN	I26-000001	311520	Pumping Equipment SOS		0	0
140	TN	I26-000001	340200	Computer & Peripheral Equipment		0	0
141							
142		(1) Amounts not reflected in actuals through 2016 or projections based on project costs through 2018.		Total DV Included: See note under DV above		\$ (3,152,053)	\$ (893,427)
143							
144				Total DV Excluded:		\$ (3,152,053)	\$ (893,427)
145		(2) From actual or estimated in-service data provided by the company.					
146				Total Surcharge Amt:		\$ (3,135,176)	\$ (892,614)
147		(3) Tax depreciation rates utilized by the company.					
148				SEC Total:		\$ (1,396,814)	\$ (505,495)
149							
150				EDI Total:		\$ (41,089)	\$ (27,704)
151							
152				QIIP Total:		\$ (1,697,273)	\$ (359,414)
153							

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Tennessee American Water Company
Safety and Environmental Compliance (SEC)
Investment Worksheet
Proof spreadsheet without Array formulas

			1	2	3	4	5	B	C
		SEC				=Col 1 + Col 2			
Line #	Investment by Plant Account	Account Description	Additions	Retirements	CIAC	Net Investments (for Property Tax Calculation)	Cost of Removal Net of Salvage	Accumulated Deferred Income Taxes	Accumulated Depreciation
81	331001	Transmission & Distribution Mains							
82	Recurring Projects		\$ -	\$ (1,011)	\$ -	\$ (1,011)	\$ -	\$ (5)	\$ 20
83	Investment Projects		-	-	-	-	-	-	-
84	Total QIP		\$ -	\$ (1,011)	\$ -	\$ (1,011)	\$ -	\$ (5)	\$ 20
85									
86	334100	Meters							
87	Recurring Projects		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
88	Investment Projects		-	-	-	-	-	-	-
89	Total QIP		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
90									
91	340200	Computer & Peripheral Equipment							
92	Recurring Projects		\$ 78,567	\$ (0)	\$ -	\$ 78,567	\$ 2,554	\$ (14,113)	\$ (3,541)
93	Investment Projects		-	-	-	-	-	-	-
94	Total QIP		\$ 78,567	\$ (0)	\$ -	\$ 78,567	\$ 2,554	\$ (14,113)	\$ (3,541)
95									
96	340300	Computer Software							
97	Recurring Projects		\$ 124,563	\$ -	\$ -	\$ 124,563	\$ -	\$ -	\$ -
98	Investment Projects		-	-	-	-	-	-	-
99	Total QIP		\$ 124,563	\$ -	\$ -	\$ 124,563	\$ -	\$ -	\$ -
100									
101	340330	Computer Software Other							
102	Recurring Projects		\$ 1,224	\$ -	\$ -	\$ 1,224	\$ -	\$ -	\$ -
103	Investment Projects		-	-	-	-	-	-	-
104	Total QIP		\$ 1,224	\$ -	\$ -	\$ 1,224	\$ -	\$ -	\$ -
105									
106	343000	Tools, Shop, Garage Equipment							
107	Recurring Projects		\$ 4,127	\$ (3,416)	\$ -	\$ 711	\$ -	\$ (90)	\$ (140)
108	Investment Projects		-	-	-	-	-	-	-
109	Total QIP		\$ 4,127	\$ (3,416)	\$ -	\$ 711	\$ -	\$ (90)	\$ (140)
110									
111	344000	Laboratory Equipment							
112	Recurring Projects		\$ 6,138	\$ (150,505)	\$ -	\$ (144,367)	\$ 1,535	\$ (2,421)	\$ 6,775
113	Investment Projects		-	-	-	-	-	-	-
114	Total QIP		\$ 6,138	\$ (150,505)	\$ -	\$ (144,367)	\$ 1,535	\$ (2,421)	\$ 6,775
115									
116	345000	Power Operated Equipment							
117	Recurring Projects		\$ 51,973	\$ (14,251)	\$ -	\$ 37,722	\$ 2,117	\$ 1,080	\$ (9,977)
118	Investment Projects		-	-	-	-	-	-	-
119	Total QIP		\$ 51,973	\$ (14,251)	\$ -	\$ 37,722	\$ 2,117	\$ 1,080	\$ (9,977)
120									
121	346100	Comm Equip Non-Telephone							
122	Recurring Projects		\$ 35,018	\$ -	\$ -	\$ 35,018	\$ -	\$ (8,601)	\$ (8,556)
123	Investment Projects		-	-	-	-	-	-	-
124	Total QIP		\$ 35,018	\$ -	\$ -	\$ 35,018	\$ -	\$ (8,601)	\$ (8,556)
125									
126	346190	Remote Control & Instrument							
127	Recurring Projects		\$ 953,473	\$ (109,284)	\$ -	\$ 844,189	\$ 63,645	\$ (190,507)	\$ (99,979)
128	Investment Projects		286,295	-	-	286,295	-	236	(19,007)
129	Total		\$ 1,239,768	\$ (109,284)	\$ -	\$ 1,130,484	\$ 63,645	\$ (190,271)	\$ (118,986)
130									
131	347000	Misc Equipment							
132	Recurring Projects		\$ 9,763	\$ (4,756)	\$ -	\$ 5,007	\$ 3,990	\$ 119	\$ (1,578)
133	Investment Projects		5,946	-	-	5,946	-	174	(2,478)

Tennessee American Water Company
Safety and Environmental Compliance (SEC)
Investment Worksheet
Proof spreadsheet without Array formulas

			1	2	3	4	5	B	C
		SEC							
									=Col 1 + Col 2
Line #	Investment by Plant Account	Account Description	Additions	Retirements	CIAC	Net Investments (for Property Tax Calculation)	Cost of Removal Net of Salvage	Accumulated Deferred Income Taxes	Accumulated Depreciation
134	Total		\$ 15,709	\$ (4,756)	\$ -	\$ 10,953	\$ 3,990	\$ 293	\$ (4,057)
135									
136	Expense:								
137	Chemical Expense for Wastewater handling:		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
138	Electric Power Expense for Wastewater handling:		-	-	-	-	-	-	-
139	Hauling Expense for Wastewater handling:		-	-	-	-	-	-	-
140	Total		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
141									
142	Total		\$ 27,467,267	\$ (1,765,469)	\$ -	\$ 25,701,798	\$ 2,974,425	\$ (594,534)	\$ (2,095,219)

[illegible]

Tennessee American Water Company
Safety and Environmental Compliance (SEC)
Investment Worksheet
Proof spreadsheet without Array formulas

			6	7	8	9	10	11	12
			=Cols 1 + 3 + 5 + B + C	=Col 6 x 8.451452%	=(Col 1+2+3)x Depreciation Rate	=(Col 4 x Prop Tax Rate) + (Col 4 x Franchise Rate)		=Cols 7 + 8 + 9 + 10	= Col 11 / (1 - 3.191%)
	SEC								
Line #	Investment by Plant Account	Account Description	Earnings Basis Net Investment (Rate Base)	Earnings Basis x Pre-Tax Return (PTR)	Depreciation Expense	Property Tax & Franchise Fees	Operational Expenses	Total Before Revenue Tax	Total With Revenue Tax
81	331001	Transmission & Distribution Mains							
82	Recurring Projects		\$ 15	\$ 1	\$ (13)	\$ (14)	\$ -	\$ (25)	\$ (26)
83	Investment Projects		-	-	-	-	-	-	-
84	Total QIP		\$ 15	\$ 1	\$ (13)	\$ (14)	\$ -	\$ (25)	\$ (26)
85									
86	334100	Meters							
87	Recurring Projects		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
88	Investment Projects		-	-	-	-	-	-	-
89	Total QIP		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
90									
91	340200	Computer & Peripheral Equipment							
92	Recurring Projects		\$ 63,467	\$ 5,364	\$ 1,721	\$ 1,061	\$ -	\$ 8,146	\$ 8,414
93	Investment Projects		-	-	-	-	-	-	-
94	Total QIP		\$ 63,467	\$ 5,364	\$ 1,721	\$ 1,061	\$ -	\$ 8,146	\$ 8,414
95									
96	340300	Computer Software							
97	Recurring Projects		\$ 124,563	\$ 10,527	\$ 2,279	\$ 1,683	\$ -	\$ 14,490	\$ 14,967
98	Investment Projects		-	-	-	-	-	-	-
99	Total QIP		\$ 124,563	\$ 10,527	\$ 2,279	\$ 1,683	\$ -	\$ 14,490	\$ 14,967
100									
101	340330	Computer Software Other							
102	Recurring Projects		\$ 1,224	\$ 103	\$ 22	\$ 17	\$ -	\$ 142	\$ 147
103	Investment Projects		-	-	-	-	-	-	-
104	Total QIP		\$ 1,224	\$ 103	\$ 22	\$ 17	\$ -	\$ 142	\$ 147
105									
106	343000	Tools, Shop, Garage Equipment							
107	Recurring Projects		\$ 3,897	\$ 329	\$ 49	\$ 10	\$ -	\$ 388	\$ 401
108	Investment Projects		-	-	-	-	-	-	-
109	Total QIP		\$ 3,897	\$ 329	\$ 49	\$ 10	\$ -	\$ 388	\$ 401
110									
111	344000	Laboratory Equipment							
112	Recurring Projects		\$ 12,027	\$ 1,016	\$ (1,458)	\$ (1,951)	\$ -	\$ (2,392)	\$ (2,471)
113	Investment Projects		-	-	-	-	-	-	-
114	Total QIP		\$ 12,027	\$ 1,016	\$ (1,458)	\$ (1,951)	\$ -	\$ (2,392)	\$ (2,471)
115									
116	345000	Power Operated Equipment							
117	Recurring Projects		\$ 45,193	\$ 3,819	\$ 2,652	\$ 510	\$ -	\$ 6,981	\$ 7,211
118	Investment Projects		-	-	-	-	-	-	-
119	Total QIP		\$ 45,193	\$ 3,819	\$ 2,652	\$ 510	\$ -	\$ 6,981	\$ 7,211
120									
121	346100	Comm Equip Non-Telephone							
122	Recurring Projects		\$ 17,860	\$ 1,509	\$ 1,474	\$ 473	\$ -	\$ 3,457	\$ 3,571
123	Investment Projects		-	-	-	-	-	-	-
124	Total QIP		\$ 17,860	\$ 1,509	\$ 1,474	\$ 473	\$ -	\$ 3,457	\$ 3,571
125									
126	346190	Remote Control & Instrument							
127	Recurring Projects		\$ 726,632	\$ 61,411	\$ 35,540	\$ 11,406	\$ -	\$ 108,357	\$ 111,929
128	Investment Projects		267,524	22,610	12,053	3,868	-	38,531	39,801
129	Total		\$ 994,156	\$ 84,021	\$ 47,593	\$ 15,274	\$ -	\$ 146,888	\$ 151,729
130									
131	347000	Misc Equipment							
132	Recurring Projects		\$ 12,294	\$ 1,039	\$ 317	\$ 68	\$ -	\$ 1,424	\$ 1,470
133	Investment Projects		3,641	308	376	80	-	764	790

Tennessee American Water Company
Safety and Environmental Compliance (SEC)
Investment Worksheet
Proof spreadsheet without Array formulas

			6	7	8	9	10	11	12
			=Cols 1 + 3 + 5 + B + C	=Col 6 x 8.451452%	=(Col 1+2+3)x Depreciation Rate	=(Col 4 x Prop Tax Rate) + (Col 4 x Franchise Rate)		=Cols 7 + 8 + 9 + 10	= Col 11 / (1 - 3.191%)
		SEC							
Line #	Investment by Plant Account	Account Description	Earnings Basis Net Investment (Rate Base)	Earnings Basis x Pre-Tax Return (PTR)	Depreciation Expense	Property Tax & Franchise Fees	Operational Expenses	Total Before Revenue Tax	Total With Revenue Tax
134	Total		\$ 15,935	\$ 1,347	\$ 693	\$ 148	\$ -	\$ 2,188	\$ 2,260
135									
136	Expense:								
137	Chemical Expense for Wastewater handling:		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
138	Electric Power Expense for Wastewater handling:		-	-	-	-	-	-	-
139	Hauling Expense for Wastewater handling:		-	-	-	-	-	-	-
140	Total		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
141									
142	Total		\$ 27,751,939	\$ 2,345,442	\$ 736,617	\$ 347,250	\$ -	\$ 3,429,309	\$ 3,542,345

29

29

Tennessee American Water Company
Qualified Infrastructure Improvement Program (QIIP)
Investment Worksheet
Proof spreadsheet without Array formulas

			1	2	3	4	5	B	C
		QIIP					=Col 1 + Col 2		
Line #	Investment by Plant Account	Account Description	Additions	Retirements	CIAC	Net Investments (for Property Tax Calculation)	Cost of Removal Net of Salvage	Accumulated Deferred Income Taxes	Accumulated Depreciation
1	304300	Struct & Imp-Treatment							
2	Recurring Projects		\$ -	\$ (94,900)	\$ -	\$ (94,900)	\$ -	\$ (5,995)	\$ 17,257
3	Investment Projects		6,263,393	(180,782)	-	6,082,611	1,373,729	96,056	(770,644)
4	Total QIP		\$ 6,263,393	\$ (275,681)	\$ -	\$ 5,987,711	\$ 1,373,729	\$ 90,061	\$ (753,387)
5	304301	Struct & Imp-Treatment-Dpr Paint							
	Recurring Projects		\$ 1,250,689	\$ (170,157)	\$ -	\$ 1,080,532	\$ 661,770	\$ 120,130	\$ (451,641)
	Investment Projects		-	-	-	-	-	-	-
	Total QIP		\$ 1,250,689	\$ (170,157)	\$ -	\$ 1,080,532	\$ 661,770	\$ 120,130	\$ (451,641)
6	320100	WT Equip Non-Media							
7	Recurring Projects		\$ 259,932	\$ (123,785)	\$ -	\$ 136,147	\$ 89,500	\$ (55,945)	\$ (43,061)
8	Investment Projects		2,493,903	(366,075)	-	2,127,828	53,846	(66,650)	(68,572)
9	Total QIP		\$ 2,753,835	\$ (489,860)	\$ -	\$ 2,263,976	\$ 143,346	\$ (122,596)	\$ (111,633)
10	320200	Water Trmt Equip Filter Media							
	Recurring Projects		\$ 52,740	\$ (36,378)	\$ -	\$ 16,362	\$ 206,460	\$ 4,084	\$ (18,445)
	Investment Projects		-	-	-	-	-	-	-
	Total QIP		\$ 52,740	\$ (36,378)	\$ -	\$ 16,362	\$ 206,460	\$ 4,084	\$ (18,445)
11	330000	Dist Reservoirs & Standpipes							
12	Recurring Projects		\$ 23,274	\$ -	\$ -	\$ 23,274	\$ 0	\$ (5,888)	\$ (10,917)
13	Investment Projects		-	-	-	-	-	-	-
14	Total QIP		\$ 23,274	\$ -	\$ -	\$ 23,274	\$ 0	\$ (5,888)	\$ (10,917)
15									
16	330003	Tank Repainting							
17	Recurring Projects		\$ 1,948,111	\$ (222,583)	\$ -	\$ 1,725,527	\$ 418,192	\$ 37,752	\$ (261,410)
18	Investment Projects		-	-	-	-	-	-	-
19	Total QIP		\$ 1,948,111	\$ (222,583)	\$ -	\$ 1,725,527	\$ 418,192	\$ 37,752	\$ (261,410)
20	320100	Elevated Tanks & Standpipes							
	Recurring Projects		\$ 187,700	\$ -	\$ -	\$ 187,700	\$ -	\$ (1,555)	\$ (9,080)
	Investment Projects		-	-	-	-	-	-	-
	Total QIP		\$ 187,700	\$ -	\$ -	\$ 187,700	\$ -	\$ (1,555)	\$ (9,080)
21	330200	Ground Level Tanks							
22	Recurring Projects		\$ 1,004,940	\$ (446)	\$ -	\$ 1,004,494	\$ 977	\$ (7,152)	\$ (32,197)
23	Investment Projects		-	-	-	-	-	-	-
24	Total QIP		\$ 1,004,940	\$ (446)	\$ -	\$ 1,004,494	\$ 977	\$ (7,152)	\$ (32,197)
25									
26	331001	Transmission & Distribution Mains							
27	Recurring Projects		\$ 19,453,797	\$ (1,171,172)	\$ (2,133,047)	\$ 18,282,626	\$ 1,228,731	\$ (428,242)	\$ (501,342)
28	Investment Projects		2,414,209	-	-	2,414,209	-	(20,688)	(17,410)
29	Total QIP		\$ 21,868,006	\$ (1,171,172)	\$ (2,133,047)	\$ 20,696,835	\$ 1,228,731	\$ (448,930)	\$ (518,752)
30									
31	333000	Services							
32	Recurring Projects		\$ 3,638,217	\$ (122,451)	\$ (29,877)	\$ 3,515,766	\$ 908,872	\$ (81,262)	\$ (93,389)
33	Investment Projects		-	-	-	-	-	-	-
34	Total QIP		\$ 3,638,217	\$ (122,451)	\$ (29,877)	\$ 3,515,766	\$ 908,872	\$ (81,262)	\$ (93,389)

[illegible]

Tennessee American Water Company
Qualified Infrastructure Improvement Program (QIIP)
Investment Worksheet
Proof spreadsheet without Array formulas

			1	2	3	4	5	B	C
		QIIP					=Col 1 + Col 2		
Line #	Investment by Plant Account	Account Description	Additions	Retirements	CIAC	Net Investments (for Property Tax Calculation)	Cost of Removal Net of Salvage	Accumulated Deferred Income Taxes	Accumulated Depreciation
36	334100	Meters							
37	Recurring Projects		\$ 1,288,164	\$ (3,421,270)	\$ -	\$ (2,133,106)	\$ 410,752	\$ (55,613)	\$ 125,183
38	Investment Projects		-	-	-	-	-	-	-
39	Total QIP		<u>\$ 1,288,164</u>	<u>\$ (3,421,270)</u>	<u>\$ -</u>	<u>\$ (2,133,106)</u>	<u>\$ 410,752</u>	<u>\$ (55,613)</u>	<u>\$ 125,183</u>
40									
41	334200	Meter Installations							
42	Recurring Projects		\$ 7,629,951	\$ (957,191)	\$ -	\$ 6,672,761	\$ 1,392,981	\$ (72,343)	\$ (358,513)
43	Investment Projects		-	-	-	-	-	-	-
44	Total QIP		<u>\$ 7,629,951</u>	<u>\$ (957,191)</u>	<u>\$ -</u>	<u>\$ 6,672,761</u>	<u>\$ 1,392,981</u>	<u>\$ (72,343)</u>	<u>\$ (358,513)</u>
45									
46	335000	Hydrants							
47	Recurring Projects		\$ 1,425,916	\$ (169,414)	\$ (121,423)	\$ 1,256,502	\$ 49,875	\$ (22,311)	\$ (63,700)
48	Investment Projects		-	-	-	-	-	-	-
49	Total QIP		<u>\$ 1,425,916</u>	<u>\$ (169,414)</u>	<u>\$ (121,423)</u>	<u>\$ 1,256,502</u>	<u>\$ 49,875</u>	<u>\$ (22,311)</u>	<u>\$ (63,700)</u>
50									
	346190	Remote Control & Instrument							
	Recurring Projects		\$ 207,335	\$ -	\$ -	\$ 207,335	\$ -	\$ 171	\$ (17,131)
	Investment Projects		-	-	-	-	-	-	-
	Total QIP		<u>\$ 207,335</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 207,335</u>	<u>\$ -</u>	<u>\$ 171</u>	<u>\$ (17,131)</u>
51	Expense:								
52			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
53			-	-	-	-	-	-	-
54			-	-	-	-	-	-	-
55	Total		<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>
56									
57	Total		<u>\$ 49,542,272</u>	<u>\$ (7,036,604)</u>	<u>\$ (2,284,346)</u>	<u>\$ 42,505,668</u>	<u>\$ 6,795,685</u>	<u>\$ (565,451)</u>	<u>\$ (2,575,012)</u>

Tennessee American Water Company
Qualified Infrastructure Improvement Program (QIIP)
Investment Worksheet
Proof spreadsheet without Array formulas

			6	7	8	9	10	11	12
		QIIP	=Cols 1 + 3 + 5 + B + C	=Col 6 x 8.451452%	=(Col 1+2+3)x Depreciation Rate	=(Col 4 x Prop Tax Rate) + (Col 4 x Franchise Rate)		=Cols 7 + 8 + 9 + 10	= Col 11 / (1 - 3.191%)
Line #	Investment by Plant Account	Account Description	Earnings Basis Net Investment (Rate Base)	Earnings Basis x Pre-Tax Return (PTR)	Depreciation Expense	Property Tax & Franchise Fees	Operational Expenses	Total Before Revenue Tax	Total With Revenue Tax
1	304300	Struct & Imp-Treatment							
2	Recurring Projects		\$ 11,261	\$ 952	\$ (3,900)	\$ (1,282)	\$ -	\$ (4,231)	\$ (4,370)
3	Investment Projects		6,962,533	588,435	249,995	82,180	-	920,611	950,956
4	Total QIP		\$ 6,973,794	\$ 589,387	\$ 246,095	\$ 80,898	\$ -	\$ 916,380	\$ 946,586
5	304301	Struct & Imp-Treatment-Dpr Paint							
	Recurring Projects		\$ 1,580,948	\$ 133,613	\$ 130,312	\$ 14,599	\$ -	\$ 278,524	\$ 287,705
	Investment Projects		-	-	-	-	-	-	-
	Total QIP		\$ 1,580,948	\$ 133,613	\$ 130,312	\$ 14,599	\$ -	\$ 278,524	\$ 287,705
6	320100	WT Equip Non-Media							
7	Recurring Projects		\$ 250,425	\$ 21,165	\$ 1,484	\$ 1,839	\$ -	\$ 24,488	\$ 25,295
8	Investment Projects		2,412,527	203,894	23,193	28,748	-	255,835	264,268
9	Total QIP		\$ 2,662,952	\$ 225,058	\$ 24,677	\$ 30,588	\$ -	\$ 280,323	\$ 289,563
10	320200	Water Trmt Equip Filter Media							
	Recurring Projects		\$ 244,839	\$ 20,692	\$ 5,512	\$ 221	\$ -	\$ 26,426	\$ 27,297
	Investment Projects		-	-	-	-	-	-	-
	Total QIP		\$ 244,839	\$ 20,692	\$ 5,512	\$ 221	\$ -	\$ 26,426	\$ 27,297
11	330000	Dist Reservoirs & Standpipes							
12	Recurring Projects		\$ 6,470	\$ 547	\$ 484	\$ 314	\$ -	\$ 1,345	\$ 1,390
13	Investment Projects		-	-	-	-	-	-	-
14	Total QIP		\$ 6,470	\$ 547	\$ 484	\$ 314	\$ -	\$ 1,345	\$ 1,390
15									
16	330003	Tank Repainting							
17	Recurring Projects		\$ 2,142,645	\$ 181,085	\$ 191,188	\$ 23,313	\$ -	\$ 395,586	\$ 408,625
18	Investment Projects		-	-	-	-	-	-	-
19	Total QIP		\$ 2,142,645	\$ 181,085	\$ 191,188	\$ 23,313	\$ -	\$ 395,586	\$ 408,625
20	320100	Elevated Tanks & Standpipes							
	Recurring Projects		\$ 177,065	\$ 14,965	\$ 5,143	\$ 2,536	\$ -	\$ 22,643	\$ 23,390
	Investment Projects		-	-	-	-	-	-	-
	Total QIP		\$ 177,065	\$ 14,965	\$ 5,143	\$ 2,536	\$ -	\$ 22,643	\$ 23,390
21	330200	Ground Level Tanks							
22	Recurring Projects		\$ 966,568	\$ 81,689	\$ 27,523	\$ 13,571	\$ -	\$ 122,784	\$ 126,831
23	Investment Projects		-	-	-	-	-	-	-
24	Total QIP		\$ 966,568	\$ 81,689	\$ 27,523	\$ 13,571	\$ -	\$ 122,784	\$ 126,831
25									
26	331001	Transmission & Distribution Mains							
27	Recurring Projects		\$ 17,619,898	\$ 1,489,137	\$ 201,870	\$ 247,011	\$ -	\$ 1,938,018	\$ 2,001,899
28	Investment Projects		2,376,111	200,816	30,178	32,618	-	263,611	272,300
29	Total QIP		\$ 19,996,009	\$ 1,689,953	\$ 232,047	\$ 279,629	\$ -	\$ 2,201,630	\$ 2,274,199
30									
31	333000	Services							
32	Recurring Projects		\$ 4,342,563	\$ 367,010	\$ 38,693	\$ 47,501	\$ -	\$ 453,204	\$ 468,142
33	Investment Projects		-	-	-	-	-	-	-
34	Total QIP		\$ 4,342,563	\$ 367,010	\$ 38,693	\$ 47,501	\$ -	\$ 453,204	\$ 468,142

[illegible]

Tennessee American Water Company
Qualified Infrastructure Improvement Program (QIIP)
Investment Worksheet
Proof spreadsheet without Array formulas

			6	7	8	9	10	11	12
		QIIP	=Cols 1 + 3 + 5 + B + C	=Col 6 x 8.451452%	=(Col 1+2+3)x Depreciation Rate	=(Col 4 x Prop Tax Rate) + (Col 4 x Franchise Rate)		=Cols 7 + 8 + 9 + 10	= Col 11 / (1 - 3.191%)
Line #	Investment by Plant Account	Account Description	Earnings Basis Net Investment (Rate Base)	Earnings Basis x Pre-Tax Return (PTR)	Depreciation Expense	Property Tax & Franchise Fees	Operational Expenses	Total Before Revenue Tax	Total With Revenue Tax
36	334100	Meters							
37	Recurring Projects		\$ 1,768,486	\$ 149,463	\$ (159,343)	\$ (28,820)	\$ -	\$ (38,700)	\$ (39,976)
38	Investment Projects		-	-	-	-	-	-	-
39	Total QIP		\$ 1,768,486	\$ 149,463	\$ (159,343)	\$ (28,820)	\$ -	\$ (38,700)	\$ (39,976)
40									
41	334200	Meter Installations							
42	Recurring Projects		\$ 8,592,076	\$ 726,155	\$ 182,166	\$ 90,154	\$ -	\$ 998,475	\$ 1,031,387
43	Investment Projects		-	-	-	-	-	-	-
44	Total QIP		\$ 8,592,076	\$ 726,155	\$ 182,166	\$ 90,154	\$ -	\$ 998,475	\$ 1,031,387
45									
46	335000	Hydrants							
47	Recurring Projects		\$ 1,268,357	\$ 107,195	\$ 26,107	\$ 16,976	\$ -	\$ 150,278	\$ 155,231
48	Investment Projects		-	-	-	-	-	-	-
49	Total QIP		\$ 1,268,357	\$ 107,195	\$ 26,107	\$ 16,976	\$ -	\$ 150,278	\$ 155,231
50									
	346190	Remote Control & Instrument							
	Recurring Projects		\$ 190,375	\$ 16,089	\$ 8,729	\$ 2,801	\$ -	\$ 27,620	\$ 28,530
	Investment Projects		-	-	-	-	-	-	-
	Total QIP		\$ 190,375	\$ 16,089	\$ 8,729	\$ 2,801	\$ -	\$ 27,620	\$ 28,530
51	Expense:								
52			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
53			-	-	-	-	-	-	-
54			-	-	-	-	-	-	-
55	Total		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
56									
57	Total		\$ 50,913,147	\$ 4,302,900	\$ 959,335	\$ 574,282	\$ -	\$ 5,836,517	\$ 6,028,900

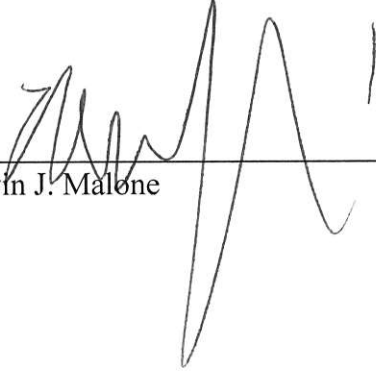
CERTIFICATE OF SERVICE

I hereby certify that a true and correct copy of the foregoing was served via U.S. Mail or electronic mail upon:

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This the 16th day of November, 2018.



Melvin J. Malone