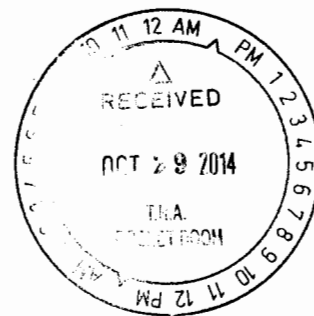


BUTLER | SNOW

October 29, 2014



VIA HAND DELIVERY

Hon. Herbert H. Hilliard, Chairman
c/o Sharla Dillon
Tennessee Regulatory Authority
502 Deaderick Street, 4th Floor
Nashville, TN 37243

RE: Petition of Tennessee-American Water Company Regarding The 2015 Investment and Related Expenses Under The Qualified Infrastructure Investment Program Rider, The Economic Development Investment Rider, and The Safety and Environmental Compliance Rider, TRA Docket No. 14-00121

Dear Chairman Hilliard:

Pursuant to Tenn. Code Ann. § 65-5-103, *et seq.*, and the action of the Tennessee Regulatory Authority on April 14, 2015 in TRA Docket No. 13-00130, enclosed please find an electronic version of the *Petition of Tennessee-American Water Company Regarding The 2015 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.¹ 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 or Valeria Gomez, know.

Very truly yours,

BUTLER SNOW LLP

Melvin J. Malone

clw

Enclosures

cc: Deron Allen, President, Tennessee-American Water Company
Cynthia Kinser, Deputy Attorney General, Consumer Advocate and Protection Division

¹ For administrative convenience, two (2) CDs of the *Petition*, and supporting documentation, are enclosed.

The Pinnacle at Symphony Place
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**BEFORE THE TENNESSEE REGULATORY AUTHORITY
NASHVILLE, TENNESSEE**

**PETITION OF TENNESSEE-)
AMERICAN WATER COMPANY)
REGARDING THE 2015 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. _____

PETITION

Pursuant to Tennessee Code Annotated § 65-5-103 *et seq.*, and the Tennessee Regulatory Authority's ("Authority" or "TRA") approval of the Amended Petition in TRA Docket No. 13-00130 on April 14, 2014, Tennessee-American Water Company ("Tennessee American" or "Company") submits this Petition regarding its qualifiable 2015 investment and related expenses. Consistent with the action of the Authority in TRA Docket No. 13-00130, and the approved tariffs submitted therein, Tennessee American states as follows in support of this Petition:

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 75,840 customers, that are subject to the jurisdiction of the Authority pursuant to Chapter 4 and Chapter 5 of Title 65 of the T.C.A. Tennessee American also serves customers in

North Georgia. The rates for those customers are not regulated by the Public Service Commission of the State of Georgia, but are instead regulated by this Authority.

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 sixteen (16) million people in thirty-five (35) states and two (2) Canadian Provinces.

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:

Linda Bridwell
Manager of Rates and Regulation – Tennessee and Kentucky
Kentucky American Water Company
2300 Richmond Road
Lexington, KY 40502
Linda.Bridwell@amwater.com
(859) 268-6373 (office)
(859) 268-6374 (fax)

Melvin J. Malone
Valeria Gomez
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(615) 651-6700 (office)
(615) 651-6701 (fax)

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 Authority 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”),¹ an Economic Development Investment Rider (“EDI”),² a Safety and Environmental Compliant Rider (“SEC”)³ and a Pass-Throughs mechanism for Fuel, Purchased Power, Chemicals, Purchased Water, Wheeling Water Costs, Waste Disposal and TRA Inspection Fee (“PCOP”).⁴⁵ One of the primary regulatory concepts underlying the then-proposed Capital Riders and PCOP was to allow, with the requisite safeguards to serve the public interest, smaller, gradual increases

¹ 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.

² 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.

³ 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.

⁴ 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.

⁵ For ease of reference, the QIIP, the EDI and the SEC are referred to collectively herein as the “Capital Riders.”

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 TRA Docket No. 13-00130 (the “*Stipulation*”), resolving the contested issues presented and offering the *Stipulation* to the Authority for its review, consideration and approval. Considering the *Stipulation* and the supporting documentation as an Amended Petition, the Authority approved the Capital Riders and the PCOP on April 14, 2014.⁶

III.

THE APPROVED CAPITAL RIDERS, PCOP AND THIS PETITION

8. Detailed explanations of the Capital Riders and the PCOP, along with underlying supporting documentation, are set forth in the Direct, Rebuttal and Supplemental Testimony of Gary M. VerDouw in TRA Docket No. 13-00130.⁷ Moreover, the Company’s revised tariff sheets setting forth the Capital Riders, the PCOP, and the regulatory safeguards related thereto, were submitted in TRA Docket No. 13-00130 on March 25, 2014, and approved by the Authority as part of the Amended Petition on April 14, 2014. For ease of reference, the revised tariff sheets are attached hereto as **EXHIBIT A** (the “*Approved Tariffs*”).

9. On April 14, 2014, the Authority determined, after a review of the evidentiary record in TRA Docket No. 13-00130, including the *Stipulation* and the *Approved Tariffs*, that the proposed Capital Riders and the PCOP were reasonable and that the *Approved Tariffs* met the

⁶ *Transcript of Proceedings, In the Matter of Tennessee Regulatory Authority Conference*, TRA Docket No. 13-00130, pp. 14-16 (April 14, 2014) (excerpt) (hereinafter “*Hearing Tr.*”).

⁷ The Testimony of CAPD Witness William H. Novak in TRA Docket No. 13-00130 likewise aided in shaping the *Stipulation* and the Amended Petition as well.

requirements of Tenn. Code Ann. § 65-5-103 *et seq.*⁸ As set forth in the *Approved Tariffs*, the Authority noted that the Capital 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.⁹ Finally, the Authority found that the Amended Petition to be in the public interest.¹⁰

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

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

⁸ *Hearing Tr.* at 14-16.

⁹ *Id.* at 15.

¹⁰ *Id.*

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 Authority, in the manner, and with the accompanying support, required by the *Approved Tariffs* and the Authority, 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."

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

13. Based upon Tenn. Code Ann. § 65-5-103 *et seq.*, Tennessee American anticipated that the proposed tariffs submitted in TRA Docket No. 13-000130 would be approved and effective in early January 2014. As the *Approved Tariffs* were not effective until April 15, 2014, the Company did not begin applying the applicable Capital Riders' surcharges until mid-April. If

¹¹ 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, 2014. Therefore, the PCOP is not included within this Petition.

the April 15, 2014, effective date, and the timeframes set forth in the Capital Riders, are strictly applied, an annual reconciliation based upon the April 15, 2014, effective date would have to be completed in two (2) steps. The first step would capture the investments made as part of the Capital Riders for calendar year 2014, which could be filed by March 1, 2015, while the second step would capture the difference in dollars collected through the Capital Riders from April 15, 2014, through April 14, 2015. As the period captured in the second step does not end until April 2015, the filing representing the second step would not be submitted until sometime in June 2015. Again, strictly adhering to the afore-referenced timeframes in this manner would create a “mismatch” of reconciliation periods that would continue until the Company submits a new rate case. Upon the approval of such new rate case, the filing periods would be re-set.

14. This unintended mismatch of reconciliation periods will create additional expense for TAW, and a heightened, though avoidable, resource burden to the Authority and CAPD, relative to the preparation and review of additional reconciliations. Further, and perhaps more importantly, such a mismatch would result in three (3) adjustments to Customer bills over a 12-month period on the Capital Riders alone, which may lead to Customer confusion. TAW carefully considered a few alternative ways to eliminate the mismatch and at the same time remain consistent with, and within the spirit of, the CAPD’s good faith settlement and the TRA’s public interest approval. The proposal set forth in the accompanying Direct Testimony of Witness Linda Bridwell is a well-conceived approach to eliminating the mismatch without undermining either the Authority’s regulatory oversight or the established public interest safeguards in the *Approved Tariffs* and without harming consumers.

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

- (a) **Direct Testimony of Deron Allen**, which provides a general overview of the Petition, including the requested changes, and support for these changes, related to the Capital Riders;
- (b) **Direct Testimony of Linda Bridwell**, which provides the underlying support for the calculation of the Capital Riders for 2015 and related issues, such as reconciliation, with respect to the Capital Riders and the PCOP and sponsors certain Tennessee American Exhibits; and
- (c) **Direct Testimony of Brent O'Neill**, which outlines the planned investment for the QIIP, the EDI and the SEC Riders for 2015.

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

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 Authority on the Amended Petition 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 Authority approve this Petition and issue an order pursuant to Tenn. Code Ann. § 65-5-103 *et. seq.* and consistent with the action of the Authority on the Amended Petition;
- 2. That the Authority approve the proposed Qualified Infrastructure Investment Program Rider changes as submitted herein;

3. That the Authority approve the proposed Economic Development Investment Rider changes as submitted herein;

4. That the Authority approve the proposed Safety and Environmental Compliance Rider changes as submitted herein;

5. That the Authority approve Tennessee American's tariffs, as submitted herein, as soon as is practicable; and

6. That the Authority grant such other and/or further relief as may be warranted.

This the _____ day of October, 2014.

RESPECTFULLY SUBMITTED,

MELVIN J. MALONE (BPR #013874)
VALERIA GOMEZ (BPR #032131)
Butler Snow LLP
150 3rd Avenue South, Suite 1600
Nashville, TN 37201
melvin.malone@butlersnow.com
(615) 651-6705
valeria.gomez@butlersnow.com
(615) 651-6739

Attorneys for Tennessee-American Water Company

Dated: _____, 2014

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:

Wayne Irvin, Esq.
Assistant Attorney General
Office of the Tennessee Attorney General
Consumer Advocate and Protection Division
P.O. Box 20207
Nashville, TN 37202-0207
Wayne.Irvin@ag.tn.gov

Vance Broemel, Esq.
Assistant Attorney General
Office of the Tennessee Attorney General
Consumer Advocate and Protection Division
P.O. Box 20207
Nashville, TN 37202-0207
Vance.Broemel@ag.tn.gov

This the _____ day of _____, 2014.

Melvin J. Malone

CLASSIFICATION OF SERVICESUMMARY OF RIDERS1. 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	0.79 %
EDI	0.18 %
<u>SEC</u>	<u>0.11 %</u>
Subtotal of all Capital Recovery Riders	1.08 %

QIIP Annual Reconciliation Percentage	0.00 %
EDI Annual Reconciliation Percentage	0.00 %
<u>SEC Annual Reconciliation Percentage</u>	<u>0.00 %</u>
Subtotal of all Reconciliation Percentages	0.00 %

Total of Capital Recovery Riders and Reconciliation Percentages 1.08 %

PCOP -1.15 %

ISSUED: March 25, 2014

EFFECTIVE: April 15, 2014

BY:


Deron E. Allen
PRESIDENT

109 Wiehl Street
Chattanooga, Tennessee 37403

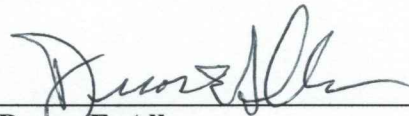
CLASSIFICATION OF SERVICE**SUMMARY OF RIDERS****1. Applicability**

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	2.13 %	(I)
EDI	0.61 %	(I)
<u>SEC</u>	<u>3.95 %</u>	(I)
Subtotal of all Capital Recovery Riders	6.69 %	(I)
QIIP Annual Reconciliation Percentage	0.00 %	
EDI Annual Reconciliation Percentage	0.00 %	
<u>SEC Annual Reconciliation Percentage</u>	<u>0.00 %</u>	
Subtotal of all Reconciliation Percentages	0.00 %	
Total of Capital Recovery Riders and Reconciliation Percentages	6.69 %	
PCOP	-1.15 %	

ISSUED: October 29, 2014**EFFECTIVE: January 1, 2015****BY:**
Deron E. Allen
PRESIDENT

109 Wiehl Street
Chattanooga, Tennessee 37403

PETITIONER'S EXHIBIT BEO-1

TENNESSEE-AMERICAN WATER COMPANY, INC

DOCKET NO. _____

DIRECT TESTIMONY

OF

BRENT E. O'NEILL, P.E.

ON

**APPLICATION FOR CHANGES TO A QUALIFIED INFRASTRUCTURE
INVESTMENT PROGRAM, ECONOMIC DEVELOPMENT RIDER,
AND SAFETY AND ENVIRONMENTAL COMPLIANCE RIDER**

SPONSORING PETITIONER'S EXHIBITS

PETITIONER'S EXHIBIT 2015 SCEP – BEO

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

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

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

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

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

10 A. Yes. I have provided written testimony in the Application for Approval of a Qualified
11 Infrastructure Investment Program, an Economic Development Investment Rider, a
12 Safety and Environmental Compliance Rider, and Pass-Throughs for Purchased Power,
13 Chemicals, Purchased Water, Wheeling Water Costs, Waste Disposal and TRA
14 Inspection Fee proceeding filed as Docket No. 13-00130 before the Tennessee
15 Regulatory Authority.

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

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

22 I have been employed by American Water Works Company ("AWW") or one of
23 its subsidiaries since 1996. I began as a Staff Engineer for Northern Illinois Water

1 Company ("NIWC") until 1999 when I was promoted to Engineering Manager for
2 Illinois American Water Company ("ILAWC"). In July 2004, I accepted the position of
3 Network Operations Manager for the Champaign County District of ILAWC. In June
4 2005, I accepted the position of Senior Asset Manager with AWW and worked in
5 Reading, England in a joint project with Thames Water. In 2006, I became the ILAWC
6 Project Manager for the construction of a new 15 MGD ground water softening treatment
7 plant, wells, and transmission main in Champaign, Illinois. In March 2008, I became the
8 Engineering Manager Capital Delivery with ILAWC with responsibilities for the delivery
9 of capital projects for the Central and Southern portions Illinois. In April 2013, I
10 accepted my current position as Director of Engineering for Tennessee American Water
11 Company and Kentucky American Water Company with the Service Company. I am an
12 active member of the American Water Works Association (AWWA) and American
13 Society of Civil Engineers (ASCE).

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

15 A. I am responsible for the coordination of the Engineering Departments for both TAWC
16 and KAWC, which includes the planning, development, and implementation of all
17 aspects of construction projects. This includes working with all new main extensions and
18 developers, replacement of mains, water treatment plant upgrades, new construction and
19 network facilities improvements. I coordinate technical assistance to all other company
20 departments as needed and oversee the capital budget development and implementation.
21 I report to the Presidents of TAWC and KAWC. I am located in Kentucky, but work
22 closely with the TAWC staff in Tennessee.

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”), the Economic Development Investment (“EDI”) Program Rider and the
4 Safety and Environmental Compliance (“SEC”) Program Rider for 2015.

5 **Q. CAN YOU DESCRIBE THE FACTORS USED IN THE PREPARATION OF THE**
6 **FORECAST PERIOD DATA AS IT RELATES TO THE QIIP, EDI AND SEC**
7 **PROGRAMS OR THE CAPITAL CONSTRUCTION PROJECTS?**

8 A. Yes. The Company’s capital investment plan can be divided into two distinct areas: 1)
9 normal recurring construction (“RPs”), and 2) major projects identified as investment
10 projects (“IPs”). Normal recurring construction includes water main installation for new
11 development, smaller main projects for reinforcement and replacement, service line and
12 meter setting installation, meter purchases and the purchase of tools, furniture, equipment
13 and vehicles.

14 Recurring construction costs are trended from historical and forecasted data.
15 Estimates are prepared for the installation of new mains, service lines, meter settings and
16 the purchase of new meters based on preliminary plats from the appropriate governmental
17 planning agencies and consultations with developers, homebuilders, and engineering
18 firms.

19 Purchase of tools, furniture, equipment, and vehicles are based on needs. Each
20 item is reviewed independently and an itemized list of expenditures is prepared.
21 Estimates are made based on current year pricing.

22 The intent of the planning process is to provide a broad and comprehensive
23 review of facility needs that will allow us to then establish a general guide for needed

1 improvements over a short-term horizon. These improvements will enable TAWC to:
2 provide safe, adequate, and reliable service to its customers to meet their domestic,
3 commercial, and industrial needs; to provide flows adequate for fire protection; to satisfy
4 all regulatory requirements; to enhance economic growth; and to properly serve the
5 public interest. The plan provides a general scope of each project along with a
6 preliminary design. The criteria for evaluating the various system improvements are
7 engineering requirements; consideration of national, state, and local trends;
8 environmental impact evaluations; and water resource management.

9 The engineering criteria used are accepted engineering standards and practices
10 that provide adequate capacity and appropriate levels of reliability to satisfy residential,
11 commercial, industrial, and public authority needs, and that provide flows for fire
12 protection. The criteria are developed from regulations, professional standards, and
13 company engineering policies and procedures.

14 Pipelines are designed to meet two conditions of service. They are expected to
15 deliver projected peak hour customer demands while maintaining system pressures at 30
16 psi or greater and to provide adequate fire flow identified by the ISO while maintaining
17 distribution system pressure at 20 psi or greater.

18 A copy of the 2015 Strategic Capital Expenditures Plan is attached to my
19 testimony as **Petitioner's Exhibit 2015 SCEP – BEO.**

20
21
22
23 **QUALIFIED INFRASTRUCTURE INVESTMENT PROGRAM**
24

1 **Q. WHAT ARE THE BUDGET LINES THAT ARE INCLUDED UNDER THE**
2 **QUALIFIED INFRASTRUCTURE INVESTMENT PROGRAM FOR 2015?**

3 A. The budget lines that will be included in the QIIP will be Line B - Main Replaced, Line
4 C - Mains Unscheduled, Line D - Mains Relocated, Line F - Hydrants and Valves
5 Replaced, Line H - Services Replaced, Line J - Meters Replaced, and Line R -
6 Capitalized Tank Rehabilitation/ Painting.

7 **Q. WHAT WORK IS ASSOCIATED WITH LINE B?**

8 A. This investment plan line includes the scheduled replacement, renewal or improvement of
9 existing water mains including valves and other appurtenances that are necessary to
10 perform the work.

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

13 A. TAWC plans to spend approximately \$1,500,000 to replace various size water mains
14 within ten (10) projects during 2015. TAWC will replace approximately 12,189 feet of
15 main during the period. These projects are not only important in addressing the aging
16 infrastructure needs of the community, but also allow for the Company to take a
17 leadership role in reducing its carbon footprint. By replacing infrastructure that is leaking
18 or has a high potential for failure, we are able to reduce the amount of water that is
19 produced and reduce the amount of electricity that we use. The overall result is a
20 reduction in the amount of fossil fuel generation required for our facilities.

21 **Q. HOW DOES THE PROPOSED 2015 SPEND COMPARE TO RECENT YEARS**
22 **SPEND ASSOCIATED WITH LINE B?**

23 A. TAWC anticipated spending \$1,148,192 during 2014 on water main replacement
24 projects. Due to more work associated with main relocations caused by conflicts with

1 municipal or state agency projects within Line D (mains relocated), TAWC had to reduce
2 the amount of water main replacements and shift resources and budget dollars to the D
3 Line to account for the more work required within the D Line. TAWC anticipates
4 spending approximately \$900,492 during 2014 on water main replacements as a result of
5 the increased activity in the D line and delaying four (4) water main replacements
6 projects that were scheduled to occur in 2014 to 2015. The proposed 2015 spend is
7 similar to the five year average between 2009 and 2013 of \$1,267,632.

8 **Q. WHAT ARE THE PROJECTS THAT ARE SCHEDULED TO BE A PART OF**
9 **THE WATER MAIN REPLACEMENTS ASSOCIATED WITH LINE B.?**

10 A. TAWC expects to undertake the following projects:

- 11 1) Install 1,152 linear feet (“lf”) of 6-inch ductile iron main along Standifer Road to
12 replace 1.5-inch galvanized main at an estimated cost of \$81,000. This project was
13 originally scheduled for 2014 but was delayed until 2015 due to emerging relocation
14 projects during 2014.
- 15
16 2) Install 535 lf of 6-inch ductile iron main along Michigan Avenue to replace 2-inch
17 cast iron main at an estimated cost of \$115,000. This project was originally scheduled
18 for 2014 but was delayed until 2015 due to emerging relocation projects during 2014.
- 19
20 3) Install 842 lf of 8-inch, 522 lf of 6-inch and 125 lf of 4-inch ductile iron main along
21 35th Street Place to replace 2-inch galvanized and cast iron main at an estimated cost
22 of \$180,000. This project was originally scheduled for 2014 but was delayed until
23 2015 due to emerging relocation projects during 2014.
- 24
25 4) Install 515 lf of 8-inch and 145 lf of 4-inch ductile iron main along W 47th Street to
26 replace 2 inch cast iron main at an estimated cost of \$122,000. This project was
27 originally scheduled for 2014 but was delayed until 2015 due to emerging relocation
28 projects during 2014.
- 29
30 5) Install 1,800 lf of 6-inch ductile iron main along Signal View Street to replace 2-inch
31 galvanized water main, at an estimated cost of \$196,000.
- 32
33 6) Install 2,720 lf of 6-inch ductile iron main along Centro and Center Streets to replace
34 1.5-inch galvanized and 2.25-inch cast iron water mains, at an estimated cost of
35 \$236,000.
- 36

- 1 7) Install 800 lf of 6-inch ductile iron main along Hanover Street to replace 2-inch
2 galvanized water mains, at an estimated cost of \$96,000.
3
4 8) Install 1,700 lf of 6-inch ductile iron main along Semi Circle Drive to replace 2-inch
5 cast iron and 1.25-inch galvanized water mains, at an estimated cost of \$204,000.
6
7 9) Install 1,800 lf of 6-inch ductile iron main along Fairy Trail to replace 2-inch
8 galvanized water mains, at an estimated cost of \$216,000.
9
10 10) Install 325 lf of 4-inch ductile iron main along Pine View Lane to replace 2.25-inch
11 galvanized water main at an estimated cost of \$54,000.
12
13

14 **Q. WHAT WORK IS ASSOCIATED WITH LINE C?**

15 A. This investment plan item includes the unscheduled replacement or restoration of existing
16 water mains, including valves and other appurtenances that are necessary to perform the
17 work.

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 \$800,000 to replace various size water mains
22 during unscheduled events. This is similar to the expected spend during 2014 of
23 \$800,000. As we replace sections of main, the existing main will be more stable and the
24 life of the main will be extended, which will allow for a more concentrated effort for
25 main replacements on mains that have a larger history of breaks.

26 **Q. WHAT WORK IS ASSOCIATED WITH LINE D?**

27 A. This budget line includes the relocation of existing water mains, including valves and
28 other appurtenances, that are necessary due to ongoing municipal or state agency projects
29 . These costs are not reimbursable.

1 **Q. WHAT IS THE PROPOSED REPLACEMENT RATE FOR WATER MAIN**
2 **REPLACEMENTS ASSOCIATED WITH LINE D?**

3 A. TAWC plans to spend approximately \$350,000 to replace various size water mains
4 within the distribution system that is required to be relocated due to the work of a
5 municipal or state agency. At this time, TAWC is not aware of any major projects being
6 proposed by municipal or state agencies that would require a large investment in
7 relocated main. TAWC had anticipated to spend \$250,000 during 2014, but has seen
8 additional relocation work associated to work by municipal and state agencies that the
9 Company was made aware of during the year. The additional work is expected to result
10 in an approximate spend within the D Line of \$592,806. Similar to the start of 2014,
11 TAWC had not identified many relocation projects, but based on the additional projects
12 that have materialized during 2014, the Company decided that an increase in the expected
13 spend during 2015 over the original budgeted amount of 2014 to be closer to the 3 year
14 average between 2009 and 2011 of \$320,183, which was during a period of average
15 relocation work associated with the work of others.

16 **Q. WHAT WORK IS ASSOCIATED WITH LINE F?**

17 A. This line item includes the replacement of leaking, failed or obsolete hydrants, including
18 hydrant assemblies and valves that are company funded

19 **Q. WHAT IS THE PROPOSED REPLACEMENT SCHEDULE FOR HYDRANTS**
20 **AND VALVES?**

21 A. TAWC plans to spend approximately \$345,000 to replace hydrants and valves. Of this
22 amount, TAWC plans to spend a majority of this amount on replacing 14 broken valves
23 that have been found during the inspection of these valves over the past several years.

1 The estimate to replace these valves is \$275,000. Within this line, TAWC expects to
2 replace 35 hydrants that have been found during inspections to be damaged or in need of
3 extensive repair. The amounts proposed for Line F during 2015 is similar to the planned
4 spend in 2014 of \$365,034.

5 **Q. WHAT WORK IS ASSOCIATED WITH LINE H?**

6 **A.** This investment plan item includes the replacement of water services or improvements,
7 including the replacement of corporation stops, or shut-off valves.

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

10 **A.** TAWC plans to spend approximately \$250,000 to replace lead and iron services during
11 this period. Based on the average cost per service replacement of \$2,101, TAWC will
12 replace approximately 119 services. The anticipated spend of \$250,000 during 2015 is
13 similar to the planned spend of \$246,000 during 2014 and to the 5 year average spend of
14 \$258,501 between 2009 and 2013.

15 **Q. WHAT IS THE WORK ASSOCIATED WITH LINE J?**

16 **A.** This investment plan item includes the replacement or improvement of existing customer
17 meters and meter settings with or without technology changes.

18
19 **Q. WHAT IS THE PROPOSED REPLACEMENT SCHEDULE FOR METERS?**

20 **A.** The total estimated meter replacement cost for the period is \$725,000. Based upon an
21 average cost of meter replacements of approximately \$139 per meter, TAWC will replace
22 approximately 5,208 meters. Of the 5,208 meters, 5,065 are replacements to comply with
23 the regulatory replacement of the meter, and 143 are associated with meter malfunctions

1 such as stopped registers or battery failure. The proposed spend amount in 2015 of
2 \$725,000 is an increase in the spending that was proposed for 2014 of \$663,078 due to an
3 increase in the amount of meters being replaced during 2015. During 2014
4 approximately 4,436 meters were expected to be replaced, while TAWC anticipates
5 replacing 5,208 meters in 2015. This increase in meters is due to an increase in the
6 number of replacement meters to comply with the regulatory replacement of the meter.

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

9 **A.** TAWC plans to spend approximately \$500,000 to rehabilitate and paint one of the tanks
10 at the St. Elmo location. The proposed tank to be painted is the 750,000 gallon elevated
11 tank. This is a slight increase over the anticipated spend of \$450,000 during 2014 due to
12 the anticipated cost of rehabilitating the St. Elmo Tank. The proposed 2015 spend is
13 similar to the average spend amount of \$548,624 that occurred during the period between
14 2012 and 2013.

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19 **ECONOMIC DEVELOPMENT INVESTMENT PROGRAM**
20

1 **Q. WHAT ARE THE BUDGET LINES THAT ARE INCLUDED UNDER THE**
2 **ECONOMIC DEVELOPMENT INVESTMENT PROGRAM?**

3 A. The budget lines that are included in the Economic Development Investment Program are
4 Line A - Mains New, Line E - Hydrants and Valves New, Line G - Services New, Line I -
5 Meters New. All of these budget lines support the economic development of the area and
6 places the distribution system in a position to support new development within the
7 service area. In addition, this area also includes a portion of Line O - Vehicles for
8 vehicles that are expected to be converted or purchased with alternative fuel capabilities.

9 **Q. WHAT WORK IS ASSOCIATED WITH LINE A?**

10 A. This line item includes new water mains, valves, and other appurtenances that are
11 necessary to perform the work that is funded by TAWC, including upsizing of developer
12 initiated extensions; Company initiated and funded new mains that are not related to
13 immediate growth, such as new mains that eliminate existing dead ends or provide new
14 transmission capacity; and new customer initiated extensions in accordance with tariffs
15 that may include some customer contribution (customer funded portion under Developer
16 Initiated Projects). This item may also include new mains that parallel existing mains to
17 increase transmission capacity, provide reliability, or establish an additional pressure
18 gradient. In addition, this line will also include projects that assist with the economic
19 growth of the community. During 2014, a project within Line A was used to assist in
20 securing a new Coca Cola Distribution Center located within the City of Chattanooga.

21 **Q. WHAT IS THE PROPOSED INVESTMENT ANTICIPATED FOR NEW WATER**
22 **MAIN ASSOCIATED WITH LINE A.**

1 A. TAWC plans to spend approximately \$95,000 on various size water mains within
2 distribution system that are associated with eliminating dead ends or upsizing of
3 developer initiated extensions. This is based on the 2012 investment amount of \$116,244.
4 This is lower than 2013 spending of \$230,419. Projecting into 2015, TAWC anticipates
5 that 2012 spend levels offer a more relevant comparison.

6 **Q. WHAT WORK IS ASSOCIATED WITH LINE E?**

7 This investment plan item includes the installation of new hydrants, including hydrant
8 assemblies and valves that are installed on existing mains or installed in conjunction with
9 main extension projects, which are Company funded. This item generally includes all
10 public hydrants.

11 **Q. WHAT IS THE PROPOSED SCHEDULE FOR NEW HYDRANTS AND**
12 **VALVES?**

13 A. TAWC plans to spend approximately \$48,000 on a combination of 21 new hydrants and
14 valves. This is similar to the anticipated spend during of 2014 of \$42,797, similar to the
15 2013 spend of \$39,309, and an increase from the average spend of \$26,628 experienced
16 between 2009 and 2013. TAWC believes that with the improving economic health of the
17 communities served that the level of investment will increase to serve the growing
18 economic development.

19
20
21 **Q. WHAT WORK IS ASSOCIATED WITH LINE G?**

22 A. This investment line item includes the installation of new water services or
23 improvements, including corporation stops and shut-off valves.

1 **Q. WHAT IS THE PROPOSED SCHEDULE FOR NEW WATER SERVICES**
2 **WITHIN LINE G?**

3 A. TAWC plans to spend approximately \$480,000 to install new services. Based on the
4 average cost per service of \$1,333, TAWC will install approximately 360 services. This
5 is similar to the proposed spend of \$461,000 during 2014 to install 350 services, the 2011
6 spend of \$545,133 and the 2012 spend of \$469,321. TAWC believes that new water
7 services will continue to lag the development of water mains due to the construction
8 period needed to develop new lots that require new services

9 **Q. WHAT IS THE WORK ASSOCIATED WITH LINE I?**

10 A. This investment plan item includes the installation of new meters and meter settings.

11 **Q. WHAT IS THE PROPOSED SCHEDULE FOR NEW METERS?**

12 A. The total estimated meter replacement cost for the period is \$575,000. Based upon an
13 average cost of a new meter and setter of approximately \$779 per meter and setter, TAW
14 will install approximately 738 new meters and setters. This is consistent with the annual
15 spending over the previous period of 2009 to 2012, which averaged annually to \$529,479
16 and similar to the expected spend during 2014 of \$562,000.

17 **Q. WHAT IS THE WORK ASSOCIATED WITH LINE O?**

18 A. This investment line is for purchase or replacement of vehicles, including utility trucks,
19 cars and light and medium trucks and accessories. In particular, the portion of this line
20 associated with the Economic Development Investment Program is for the conversion or
21 purchase of alternative fuel vehicles that will assist TAWC in its goal to reduce its carbon
22 footprint.

1 **Q. DISCUSS THE EXPECTED VEHICLES TO BE PURCHASED OR CONVERTED**
2 **TO ALTERNATIVE FUELS INCLUDED WITH LINE O?**

3 **A.** TAWC plans to spend approximately \$100,000 on the purchase of alternative fuel
4 vehicles and/or the conversion of vehicles as part of the overall planned investment of
5 \$400,000 in replacement vehicles for the TAWC fleet. Overall, TAWC plans to purchase
6 five new vehicles to replace existing vehicles that are reaching their expected service life
7 or have seen an increase in maintenance cost. Of these five vehicles, TAWC expects to
8 continue to evaluate the purchase of some of the new vehicles with the capability to use
9 alternative fuels such as Liquid Propane ("LP") or natural gas. In addition, TAWC plans
10 to convert two existing vehicles within its fleet to be able to use LP. The proposed spend
11 amount of \$100,00 during 2015 to convert a portion of the fleet to alternative fuels is
12 similar to the planned spend amount of \$95,000 during 2014.

13
14 **SAFETY AND ENVIRONMENTAL COMPLIANCE RIDER**

15
16 **Q. WHAT ARE THE BUDGET LINES THAT ARE INCLUDED UNDER THE**
17 **SAFETY AND ENVIRONMENTAL COMPLIANCE PROGRAM RIDER?**

18 **A.** The budget lines that are included in the Safety and Environmental Compliance Program
19 Rider are Line L - SCADA Equipment and Systems, Line M - Security Equipment and
20 Systems and Line Q - Process Plant Facilities and Equipment. All of these budget lines
21 support the improvement of safety and enhances the environmental compliance of the
22 system. In addition, TAW has a large capital investment project that is a result of
23 environmental compliance that will come into service during 2015.

1 **Q. WHAT WORK IS ASSOCIATED WITH LINE L?**

2 **A.** This investment item is for the installation or replacement of existing SCADA Equipment
3 and Systems. The acronym SCADA can be defined in several slightly different ways.
4 But, TAWC generally prefers the definition as System Control and Data Acquisition,
5 which is the computerized system for monitoring and operating the treatment plants and
6 network facilities.

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

9 **A.** TAWC plans to spend approximately \$185,000 on various SCADA improvements
10 throughout the system. A majority of the spending will be associated with the
11 Programmable Logic Controller (“PLC”) upgrade for the Citico chemical building. This
12 improvement is approximately \$149,000 of the total expected spend for this line. This
13 improvement is expected to replace the existing computer control system with a more
14 modern, robust system that is open architecture compared to the existing priority system.
15 This investment is a continuation of the PLC Upgrade of the facility that included
16 replacement of the PLCs for the conventional filters during 2014. These projects are
17 important to ensure reliable production of water and to ensure environmental compliance.
18 The proposed amount in 2015 is similar to the amount planned for 2014 of \$185,414,
19 which included the project to upgrade the PLCs of the conventional filters.

21 **Q. WHAT WORK IS ASSOCIATED WITH LINE M?**

22 **A.** This investment item is a division for Security Equipment and Systems that is separate
23 from generally office and Operation Center expenses. This may include fencing, alarm

1 systems, cameras, barricades, electronic detection or locking systems, software, or other
2 assets related directly to security.

3 **Q. WHAT IS THE PROPOSED SCHEDULE FOR SECURITY EQUIPMENT AND**
4 **SYSTEMS?**

5 A. TAWC plans to spend approximately \$190,000 on a combination of upgrades to existing
6 security systems to improve the security of the existing facilities. These improvements
7 allow TAWC to maintain its security system and follow the Homeland Security Directive
8 9 to “*develop robust, comprehensive, and fully coordinated surveillance and monitoring*
9 *systems.*” TAWC believes it is paramount to ensure that its facilities are monitored
10 actively and these improvements will maintain the equipment and ensure current
11 technology is employed to provide safe drinking water and protect its infrastructure. The
12 proposed spend in 2015 is greater than the planned spend of \$130,000 during 2014 due to
13 the installation and enhancement of facility security systems to ensure a minimum level
14 of health and safety risk reduction.

15 **Q. WHAT WORK IS ASSOCIATED WITH LINE Q?**

16 A. This investment line item is for the new purchase or replacement of existing components
17 of water supply, water treatment, water pumping, water storage, and water pressure
18 regulation facilities, including associated building components and equipment.
19 Replacements may be planned or made because of failure, or may include improvements.

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

22 A. TAWC plans to spend approximately \$2,631,203 within the Process Plant Facilities and
23 Equipment Improvements within Line Q. This level of investment is a significant

1 increase in line compared with that planned for 2014 of \$797,990 and with the average
2 spending of \$1,356,573 over the period of 2012 to 2013. The investment level is based
3 on the replacement of six conventional filter under-drain systems to ensure continued
4 environmental compliance at a per filter cost of \$220,000 of combined cost of
5 \$1,320,000. In addition, a \$300,000 investment will entail the replacement of the cone
6 valves on the high service discharge due to the inability to obtain parts for the valves and
7 to improve the efficiency of the control of flow from the high service pumps. TAWC
8 will change out two high service motors to improve on power efficiency at an
9 approximate cost of \$132,300. Other work, such as improvements to the chemical vaults
10 on the Citico facility and the addition of a tank aeration system at Elder Mountain Tank,
11 are expected to be completed during this period as well.

12 **Q. BESIDES THE REPLACEMENT OF PROCESS PLANT FACILITIES AND**
13 **EQUIPMENT DUE TO A FACILITY OR PIECE OF EQUIPEMENT BEING AT**
14 **THE END OF ITS USEFULL LIFE, WHAT BENEFIT DOES WORK**
15 **PERFORMED UNDER LINE Q PROVIDES?**

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

22 **Q. WHAT CAPITAL INVESTMENT PROJECT IS INCLUDED UNDER THE**
23 **SAFETY AND ENVIRONMENTAL COMPLIANCE RIDER?**

1 A. TAWC has a Capital Investment Project that will be placed in service during 2015. The
2 project is the Citico Process Wastewater Improvement Project with an approximate cost
3 of \$15.3 million. The Citico Process Wastewater Improvements is intended to address
4 the change in permit requirements from the City of Chattanooga on the allowable level of
5 Zinc to be discharged to the city's wastewater collection system. Upon an evaluation of
6 options, this project was proposed due to the inability to reduce the Zinc levels in the
7 surface water source where the Citico Station Plant obtains its raw water. TAWC will
8 need to meet the new discharge requirement during early 2015.

9 **Q. WHAT IS INCLUDED IN THE CITICO PROCESS WASTEWATER**
10 **IMPROVEMENT PROJECT?**

11 A. The Process Wastewater Improvement Project includes the modification of the existing
12 Thickener No. 1 to allow for blow-down from Plant 1 and installation of a thickened
13 sludge transfer pump station to transfer material from the thickener to the new facilities.
14 The project will add a sludge storage tank to receive thickened sludge from Thickener
15 No. 1 prior to polymer addition and dewatering. A second thickener will be added to
16 operate in parallel with Thickener No. 1 and serve the blow-down from Plant 2, and
17 provide a measure of redundancy for sludge thickening. A concrete tank structure with a
18 fixed weir and adjustable weir will be constructed to split the sedimentation basin sludge
19 discharge between the two thickeners along with a spent filter backwash storage tank
20 with a volume of 200,000 gallons. The major component added with the project will be a
21 mechanical centrifuge dewatering equipment and a building to house the two (2)
22 centrifuge units and ancillary equipment.

1 **Q. WILL THE PROJECT RESULT IN A CHANGE IN OPERATION FOR THE**
2 **CITICO FACILITY?**

3 A. Yes. Prior to the issuance of the Wastewater Discharge Permit No. 74 by the City of
4 Chattanooga on May 15, 2013, TAWC has directly discharged its sludge to the City of
5 Chattanooga under a “Exception to Wastewater Strength Standard” for arsenic,
6 chromium, copper, lead and zinc that had previously been granted. With the May 15,
7 2013 permit, the City of Chattanooga indicated that the exception would be discontinued
8 on or about January 1, 2015 to allow the city to comply with:

9 1) EPA Consent Decree issued to City of Chattanooga requiring
10 improvements to the sanitary sewer system.

11 2) To ensure protection of the Publicly Owned Treatment Works (POTW).

12 Also to ensure the City’s continued compliance with EPA 40 CFR Part
13 503 – Standards For The Use Or Disposal of Sewage Sludge regarding
14 biosolids currently being land applied.

15 3) To ensure process wastewater discharged from Tennessee American
16 Water consistently meets pretreatment standards.

17 With the Process Wastewater Improvement Project, TAWC will discontinue to send its
18 sludge to the city and treat and prepare the sludge for disposal within the CITICO facility
19 property. This is a significant departure from the current operation and adds an
20 additional treatment process to the operation of the CITICO facility.

21 **Q. HAS TAWC AND CITY OF CHATTANOOGA DISCUSSED THE IMPACT OF**
22 **THE PROJECT?**

1 A. Yes, TAWC and City of Chattanooga have had numerous meetings and discussions
2 regarding the project and the changes required by TAWC to meet the requirements of the
3 May 15, 2013, permit. Along with the milestones and reporting requirements noted in
4 the permit, TAWC and the city have meet numerous times to discuss the project. Since
5 the City of Chattanooga is under the EPA Consent Decree, the extension to the
6 previously granted "Exception to Wastewater Strength Standard" could not be granted.
7 However, the city has revised the permit to allow for a construction schedule to reduce
8 the amount of overtime required by the contractor to meet the permit schedule. TAWC
9 continues to provide project updates to the city every two month and will continue to
10 engage in discussions with the city during the construction of the project.

11 **Q. WHY WERE CENTRIFUGES SELECTED TO DRY THE SLUDGE RATHER**
12 **THAN OTHER TECHNOLOGIES?**

13 A. Upon careful consideration and review of other available technologies to dry the sludge
14 in preparation of disposal, TAWC decided to install centrifuges to dry the sludge. Unlike
15 other alternatives, such as belt presses, the use of centrifuges will reduce ongoing
16 operation and maintenance requirements in the new facility In addition, the centrifuges
17 aid in de-watering sludge to a greater degree, which allows for lower water content and
18 makes disposing of the sludge more economical since more weight of water is removed
19 from the sludge. Although the centrifuges cost more than the belt presses when both
20 equipment costs and installation are taken into account, it expected that the overall life
21 cost is less than the belt presses due to the reduced amount of maintenance required to
22 maintain the facilities.

23 **Q. WILL THIS IMPACT OPERATIONAL COSTS FOR THE CITICO FACILITY?**

1 A. Yes. Since this is a new process within the facility, TAWC expects that additional
2 operational expenses will be associated with placing the new facility in service. TAWC
3 expects to experience an increase in electrical and chemical costs for the facility, along
4 with the additional cost of hauling the dried sludge for disposal in a landfill or to land
5 apply. The thickening process requires the use of a new polymer to aid in drying, which
6 will be a new chemical cost. TAWC plans to have the sludge facility metered separately
7 for electrical service to allow it to track the additional expense of electricity for the
8 facility.

9 **Q. IS THIS PROJECT UNDER CONSTRUCTION?**

10 A. Yes. Due to the amount of construction of new facilities required to meet the City of
11 Chattanooga permit requirements, the project broke ground during July 2014 and is
12 expected to be in service during July 2015.

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

14 A. Yes.

STRATEGIC CAPITAL EXPENDITURE PLAN
PROGRAM

Business Unit	Tennessee
Revision Date	June 27, 2014
Description	TN BIP 2015-2019 SCEP

Year: 2015

Business Unit	Business Unit No.	Project Title	1	2	3	4	5	6
RECURRING PROJECTS								
Tennessee	DV	Projects Funded by Others	\$	5,000	\$	30,000	\$	100,000
Tennessee	A	Mains - New	-	-	-	-	10,000	30,000
Tennessee	B	Mains - Replaced / Restored	20,000	80,000	120,000	200,000	150,000	210,000
Tennessee	C	Mains - Unscheduled	50,000	50,000	80,000	25,000	60,000	60,000
Tennessee	D	Mains - Relocated	-	-	30,000	40,000	100,000	50,000
Tennessee	E	Hydrants, Valves, and Manholes - New	-	2,000	3,000	3,000	5,000	4,000
Tennessee	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	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	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	L	SCADA Equipment and Systems	4,000	2,000	-	-	-	-
Tennessee	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	Q	Process Plant Facilities and Equipment	65,000	250,000	280,000	350,000	230,000	90,000
Tennessee	R	Capitalized Tank Rehabilitation/Painting	-	-	-	-	-	-
Tennessee	S	Engineering Studies	-	-	-	-	-	-
Total Recurring Projects			\$	317,773	\$	780,773	\$	15,000
ACQUISITIONS			\$	622,773	\$	995,751	\$	755,577
Total Recurring Projects			\$	930,546	\$	1,776,524	\$	1,465,577
INVESTMENT PROJECTS								
Tennessee	T26-020017	Electrical Motor Efficiency Enhancement (\$2.9)						
Tennessee	T26-020027	Construct 1.0MG Tank & 2500-16" ER (\$1.0)						
Tennessee	T26-020028	Citico Plant Improvements Phase 1B (\$8.6)						
Tennessee	T26-020032	Wastewater Treatm't & Handling Impr (\$15.3)						
Tennessee	T26-020034	3000'-24" Tennessee River Crossing (\$0.5)						
Tennessee	T26-020038	Retire Basin 1						
Tennessee	T26-020039	Basin 2 Tube Settlers						
Tennessee	T26-020040	Chlorine Gas Conversion						
Tennessee	T26-000002	Post Acquisition BD Capex						
Tennessee	T26-000001	Whitwell Acquisition Capital Investment						
Total Investment and Centrally Sponsored Projects			\$	1,500,000	\$	1,200,000	\$	600,000
Contributions			\$	1,500,000	\$	1,200,000	\$	600,000
Advances			\$	(20,000)	\$	(20,000)	\$	(20,000)
Total Refunds			\$	(58,333)	\$	(58,333)	\$	(58,333)
Gross minus BT			\$	29,167	\$	29,167	\$	29,167
Net minus BT			\$	1,822,773	\$	2,016,584	\$	1,406,410
Gross plus BT			\$	1,822,773	\$	2,016,584	\$	1,406,410
Net plus BT			\$	1,773,606	\$	1,961,606	\$	1,406,410

STRATEGIC CAPITAL EXPENDITURE PLAN

PROGRAM

Business Unit	Tennessee
Revision Date	June 27, 2014
Description	TN BP 2015-2019 SCEP

Business Unit	Business Unit No.	Project Title	U.S. \$										Surcharge Category
			7	8	9	10	11	12	Total	2015			
RECURRING PROJECTS													
Tennessee	DV	Projects Funded by Others	\$	\$ 55,000	\$	\$ 50,000	\$	\$ 120,000	\$	\$ 100,000	\$	800,000	EDI
Tennessee	A	Mains - New	40,000	15,000	-	-	-	-	-	-	-	95,000	QIP
Tennessee	B	Mains - Replaced / Restored	170,000	210,000	150,000	140,000	30,000	20,000	1,500,000	20,000	20,000	1,500,000	QIP
Tennessee	C	Mains - Unscheduled	60,000	90,000	85,000	70,000	60,000	110,000	800,000	110,000	110,000	800,000	QIP
Tennessee	D	Mains - Relocated	100,000	30,000	-	-	-	-	350,000	-	-	350,000	QIP
Tennessee	E	Hydrants, Valves, and Manholes - New	5,000	8,500	8,500	6,000	3,000	-	48,000	-	-	48,000	EDI
Tennessee	F	Hydrants, Valves, and Manholes - Replaced	15,000	50,000	30,000	100,000	50,000	30,000	375,000	30,000	30,000	375,000	QIP
Tennessee	G	Services and Laterals - New	50,000	46,000	41,000	36,000	36,000	30,000	480,000	30,000	30,000	480,000	EDI
Tennessee	H	Services and Laterals - Replaced	33,000	23,000	21,000	25,000	20,000	20,000	250,000	20,000	20,000	250,000	QIP
Tennessee	I	Meters - New	30,000	30,000	55,000	20,000	60,000	40,000	520,000	40,000	40,000	520,000	EDI
Tennessee	J	Meters - Replaced	75,000	45,000	80,000	120,000	85,000	50,000	725,000	50,000	50,000	725,000	QIP
Tennessee	K	ITS Equipment and Systems	99,347	109,347	89,347	90,144	79,347	35,502	1,028,356	35,502	35,502	1,028,356	SEC
Tennessee	L	SCADA Equipment and Systems	-	4,000	100,000	45,000	30,000	-	185,000	-	-	185,000	SEC
Tennessee	M	Security Equipment and Systems	15,000	15,000	20,000	25,000	40,000	10,000	190,000	10,000	10,000	190,000	SEC
Tennessee	N	Offices and Operations Centers	-	10,000	15,000	-	-	-	25,000	-	-	25,000	EDI
Tennessee	O	Vehicles	-	65,000	100,000	100,000	50,000	30,000	400,000	30,000	30,000	400,000	EDI
Tennessee	P	Tools and Equipment	-	3,000	2,000	-	2,000	4,000	40,000	4,000	4,000	40,000	SEC
Tennessee	Q	Process Plant Facilities and Equipment	60,000	160,000	340,000	331,203	275,000	200,000	2,631,203	200,000	200,000	2,631,203	SEC
Tennessee	R	Capitalized Tank Rehabilitation/Painting	-	10,000	75,000	150,000	200,000	65,000	500,000	65,000	65,000	500,000	QIP
Tennessee	S	Engineering Studies	10,000	5,000	-	-	-	-	35,000	-	-	35,000	QIP
Total Recurring Projects			\$ 762,347	\$ 928,847	\$ 1,211,847	\$ 1,258,347	\$ 1,020,347	\$ 644,502	\$ 10,177,559				
ACQUISITIONS													
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	I26-020028	Citico Plant Improvements Phase 1B (\$8.6)		150,000	250,000	300,000	400,000	500,000	1,600,000	500,000	500,000	1,600,000	SEC
Tennessee	I26-020032	Wastewater Treatm't & Handling Impr (\$15.3)	300,000	150,000	50,000	-	-	-	7,150,000	-	-	7,150,000	SEC
Tennessee	I26-020034	3000'-24" Tennessee River Crossing (\$0.5)											EDI
Tennessee	I26-020038	Retire Basin 1											SEC
Tennessee	I26-020039	Basin 2 Tube Settlers											EDI
Tennessee	I26-020040	Chlorine Gas Conversion											SEC
Tennessee	I26-000002	Post Acquisition BD Capex											SEC
Tennessee	I26-000001	Whitwell Acquisition Capital Investment											QIP
Total Investment and Centrally Sponsored Projects			\$ 300,000	\$ 300,000	\$ 300,000	\$ 300,000	\$ 400,000	\$ 500,000	\$ 8,750,000				
Contributions			\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	
Advances			\$ (20,000)	\$ (20,000)	\$ (20,000)	\$ (20,000)	\$ (20,000)	\$ (20,000)	\$ (240,000)				
Total Refunds			\$ (58,333)	\$ (58,333)	\$ (58,333)	\$ (58,333)	\$ (58,333)	\$ (58,333)	\$ (700,000)				
			\$ 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				
			(49,167)	(49,167)	(49,167)	(49,167)	(49,167)	(49,167)	(590,000)				
Net minus 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			\$ 1,117,347	\$ 1,283,847	\$ 1,561,847	\$ 1,618,347	\$ 1,540,347	\$ 1,244,502	\$ 19,727,559				
			(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				

STATE OF Kentucky)
COUNTY OF Sayre)

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 Regulatory Authority, and if present before the Authority and duly sworn, his testimony would be as set forth in his pre-filed testimony in this matter.

Brent E. O'Neill
Brent E. O'Neill

Sworn to and subscribed before me
this 21st day of October, 2014.

Debra A. Fraley
Notary Public

My Commission Expires: 1/22/2017
DEBRA A. FRALEY
NOTARY PUBLIC
Kentucky State At Large
My Commission Expires 1/22/2017
I.D. # 481931

PETITIONER'S EXHIBIT DEA-1

TENNESSEE-AMERICAN WATER COMPANY, INC.

DOCKET NO. _____

DIRECT TESTIMONY

OF

DERON E. ALLEN

ON

**PETITION FOR CHANGES TO QUALIFIED INFRASTRUCTURE INVESTMENT
PROGRAM RIDER, ECONOMIC DEVELOPMENT INVESTMENT RIDER AND
SAFETY AND ENVIRONMENTAL COMPLIANCE RIDER FOR 2015 INVESTMENT
AND RELATED EXPENSES**

WITNESS BACKGROUND

Q. PLEASE STATE YOUR NAME AND BUSINESS ADDRESS.

A. My name is Deron E. Allen and my business address is 1101 Broad Street, Chattanooga, TN 37402.

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

A. I am employed by Tennessee-American Water Company (“Tennessee American”, “TAWC” or “Company”) as President.

Q. WHAT IS YOUR EDUCATIONAL BACKGROUND?

A. I graduated from Crowder College, Neosho, Missouri, in 1985 with a Water-Wastewater Treatment Certificate. I received an Associate in Applied Science Degree from Crowder College in 1987. I later graduated from Indiana State University with Bachelor of Science (1991) and Master of Arts (1994) degrees in Geology, specializing in Hydrogeology. I have also passed State Operator certifications in Nebraska, Kansas, Oklahoma, Arkansas, Missouri, and Indiana. I currently hold Water Treatment certifications for the State of Indiana.

Q. PLEASE DESCRIBE YOUR BUSINESS EXPERIENCE.

A. In 1983, I worked for TAWC as a Production Laborer. From 1984 to 1985 I worked as a student assistant performing water quality sampling at Crowder College and as a volunteer in the Volunteers in Parks Program for the Missouri Department of Natural Resources. Between 1985 and 1993, I was employed with the Indiana-American Wabash Valley Operation in several roles, including Plant Operator and Distribution Senior Utility worker. From 1993 to 1994, I was an Instructor for the Water/Wastewater

1 Treatment School at Crowder College. From 1994 to 1995, I was the Department
2 Supervisor for the Water/Wastewater Treatment School.

3 **Q. WHAT WERE YOUR DUTIES IN YOUR ROLE AS DEPARTMENT**
4 **SUPERVISOR AT CROWDER COLLEGE?**

5 A. In that role, I was responsible for all courses, including the water/wastewater short
6 courses, offered throughout Missouri by the College. From 1996 to 2001, I was the
7 Chairperson for the Environmental Health and Safety Division and Director of the
8 Environmental Resource Center for the College. In this role, I was responsible for all
9 grants, course work, and coordination of activities with the USEPA and the Missouri
10 Department of Natural Resources to ensure the College was achieving the goals of the
11 water/wastewater treatment programs within the state. I remained in this position until I
12 returned to American Water in 2001.

13 **Q. WHAT WERE YOUR ROLES ONCE RETURNING TO AMERICAN WATER?**

14 A. Between 2001 and 2004, I was the Operations Manager for the Indiana American Water
15 Kokomo Operations. I was in charge of all budgeting, operations, and maintenance
16 activities for that operation. In 2004, I was promoted to Operations Manager for the
17 Central Indiana Operations. I was later promoted to Director for the Western Indiana
18 Operations of Indiana American Water. In 2010, I was promoted to the position of Vice
19 President, Operations for Indiana American Water. In 2011, I was promoted to my
20 current position as President of TAWC.

21 **Q. WHAT ARE YOUR DUTIES AS PRESIDENT OF TAWC?**

22 A. As President of TAWC, I serve as the Chief Executive Officer for the Company in
23 Tennessee. I am responsible for all aspects of TAWC's business, including financial,

1 operations (production, distribution, customer service, engineering and capital investment
2 planning), employee relations, environmental, and regulatory affairs. I am responsible for
3 developing and carrying out the business strategy for TAWC and incorporating that
4 strategy into its business plans. I ensure that all activities of the Company are carried out
5 in compliance with all local, state and federal laws and regulations, and standards of good
6 business practice. I report to the Senior Vice President of the Central Division of
7 American Water.

8 **Q. WHAT IS THE GENERAL AREA SERVED BY TAWC?**

9 A. TAWC supplies water service and public and private fire service to over 75,000
10 customers in Hamilton, Marion, and Sequatchie Counties in Tennessee, as well as several
11 areas in North Georgia.

12 **Q. HAVE YOU PREVIOUSLY TESTIFIED BEFORE THE TENNESSEE**
13 **REGULATORY AUTHORITY?**

14 A. Yes. I have testified several times at the Tennessee Regulatory Authority (“TRA” or
15 “Authority”) on various items involving TAWC.

16
17 **PURPOSE**

18
19 **GENERAL**

20
21 **Q. WHAT IS THE PURPOSE OF THE PETITION TAWC HAS FILED?**

22 A. On April 14, 2014, the Tennessee Regulatory Authority approved four new alternative
23 rate mechanisms for TAW, effective April 15, 2014. Three of these alternative rate
24 mechanisms were capital program riders and one was for a rider for production costs and
25 other pass-throughs. The three capital recovery riders are a Qualified Infrastructure

1 Investment Program (“QIIP”) Rider, an Economic Development Investment (“EDI”) Rider, and a Safety and Environmental Compliance (“SEC”) Rider. The three capital
2 program riders were based on certain categories of capital expenditures to cover the
3 investment period of 2014. The production costs and other pass-throughs are based on a
4 historical review period. The purpose of this Petition is to provide the required
5 information for the 2015 investment period to comply with the previously approved
6 capital recovery rider tariffs, which were approved in TRA Docket No. 13-000130. This
7 information provided is consistent with Tenn. Code Ann. § 65-5-103 *et seq.* and TRA’s
8 April 14, 2014, approval of the four riders.

10 **Q. CAN YOU ELABORATE ON THE CAPITAL RECOVERY RIDER TARIFFS**
11 **THAT WERE APPROVED BY THE TRA ON APRIL 14, 2014?**

12 A. Yes. The previously approved capital recovery riders included the concept of an annual
13 projection of the subsequent investment periods. The current investment period is from
14 January 1, 2014 through December 31, 2014. This Petition includes the annual projection
15 for the 2015 investment period.

16 A second annual filing for each of the capital program riders was also included in the
17 approved tariffs, anticipating a reconciliation adjustment after the current investment
18 period is completed. Since the current investment period is not yet complete, TAWC has
19 not provided any information regarding a reconciliation for the period ending December
20 31, 2014. A reconciliation to adjust budget to actual investment, as well as an adjustment
21 for over/under recovery of revenues, will be addressed in a petition to be filed in early
22 2015, pursuant to and consistent with the capital recovery riders tariffs.

1 Further, this Petition is not intended to address the Production Costs or Other Pass-
2 Throughs ("PCOP"). As approved in the PCOP tariff, the current period for the PCOP is
3 December 1, 2013 through November 30, 2014. Because that period is not yet complete,
4 TAWC has not included any information regarding that tariff in this Petition, and a
5 reconciliation and true-up will be filed at the end of 2014.

6 Again, the purpose of my testimony is to give a general overview of the three capital
7 recovery riders requested in this Petition.

8 **Q. CAN YOU TELL US WHY TAWC SOUGHT APPROVAL OF THE**
9 **ALTERNATIVE RATE MECHANISMS?**

10 A. Certainly. Tennessee American has an obligation to provide safe, adequate and reliable
11 service, and the quality of the service it provides is dependent, in part, upon the ongoing
12 replacement of this aging infrastructure. The cost of infrastructure replacement is
13 substantial, and if Tennessee American must not only advance the cost of the investment,
14 which incrementally has increased significantly over the years, but also to bear the
15 burden of the associated carrying costs of depreciation and interest while waiting for a
16 Base Rate case filing and the completion of such case to be able to recover these
17 necessary costs, it simply will not have the opportunity to achieve the rate of return set by
18 the TRA. Further, the State of Tennessee has clearly seen the need for flexibility in
19 dealing with infrastructure investment in order to be competitive in soliciting new
20 economic opportunities, and addressing the need for capital investment to meet safety
21 and environmental compliance mandates from state and federal government. In 2013,
22 House Bill 191, now codified at Tenn. Code Ann. § 65-5-103 *et seq.*, gave the Tennessee
23 Regulatory Authority the authorization to implement alternative regulatory mechanisms

1 to allow for public utility rate reviews and cost recovery in lieu of a general rate case
2 proceeding before the Authority, consistent with the public interest. TAWC proposed the
3 alternative rate mechanisms in Docket No. 13-00130 to address the ongoing capital
4 investment needs while maintaining rate gradualism and reducing the expense for general
5 rate cases.

6 **Q. WHAT HAS TAWC DONE TO INFORM CUSTOMERS ABOUT THE**
7 **ALTERNATIVE RATE MECHANISMS SINCE THEY WERE APPROVED?**

8 A. TAWC initially included a legal notice in the Chattanooga Times Free Press and issued a
9 press release to the media. It was picked up by some media outlets, and the press release
10 was posted on TAWC's website, Facebook page, and Twitter. Bill messages explaining
11 the riders and how they would operate began appearing in all Customer bills by April 18,
12 2014. TAWC then hosted two Customer information meetings, providing details
13 regarding the Customer information meetings through the media, the Chattanooga Area
14 Chamber of Commerce newsletter and TAWC's website, Facebook page, and Twitter.
15 Since that time there has been very little feedback from Customers regarding the
16 alternative rate mechanisms. Further, TAWC has met with the City of Chattanooga to
17 discuss the alternative rate mechanisms, as well as planned investment projects.

18
19 **QUALIFIED INFRASTRUCTURE INVESTMENT PROGRAM (QIIP)**

20
21 **Q. CAN YOU EXPLAIN HOW TAWC HAS UTILIZED THE QIIP SINCE ITS**
22 **INCEPTION?**

23 A. TAWC has utilized the QIIP, as proposed and approved in Docket No. 13-00130, to
24 replace assets, including mains, valves, hydrants, pumps services, and meters. TAWC

1 plans to continue to utilize the QIIP rider in 2015 to replace aging infrastructure. For the
2 safety and well-being of the public and for the integrity of the water system, this is of
3 increasing. Overall, it is a very good method of regulatory practice.

4 **Q. WHAT WILL BE THE TOTAL INVESTMENT MADE BY TAWC OVER THE**
5 **FILING PERIOD?**

6 A. In 2015, TAWC will invest \$4,500,000 in total QIIP investments. Company Witness
7 Brent O'Neill will provide more detailed testimony as to the exact investment by area.

8 **Q. HOW HAS THIS BEEN DIFFERENT FROM PREVIOUS INVESTMENT**
9 **METHODS?**

10 A. As far as the projects and the investment into those projects are concerned, there isn't any
11 difference. The difference between the new riders and the former future test year is on
12 the method and procedures of filing and the deference of full blown rate cases. If it were
13 not for the new rider methods, TAWC would likely have had to file a full blown rate case
14 in 2014. These new methods have deferred the need to file a full rate case, at least in the
15 short term. This shows that the alternative rate adjustment methods are working as
16 intended. Additionally, these new methods have provided more opportunity for fruitful
17 dialogue, streamlined the regulatory process and evidenced that the accompanying public
18 interest safeguards are more than adequate.

19 **Q. IN YOUR OPINION, HOW EFFECTIVE IS THIS RIDER?**

20 A. The QIIP is still very early in the process, but at this stage this rider is extremely effective
21 and is achieving everything that the QIIP was intended to do. This rider was intended to
22 increase investment into system replacement, reduce the amount of work to file for
23 recovery, allow for a more timely recovery, and reduce the need for regular full rate case

1 filings. Not only has this alternative, streamlined mechanism encouraged much needed
2 infrastructure replacement, it has also resulted in the lessening of rate shock and smaller,
3 more gradual rate increases. And, this rider is meeting these established objectives
4 within the applicable regulatory safeguards. It shows that alternative rate-making options
5 can work when the industry and regulatory areas of the State work together to explore
6 new ideas for the regulatory process.

7 **Q. IS THE QIIP IN THE PUBLIC INTEREST?**

8 A. Yes, it is. Both the US Environmental Protection Agency and the American Society of
9 Civil Engineers have published reports regarding the significant capital needs for water
10 and wastewater infrastructure in the United States. A substantial portion of TAWC's
11 distribution infrastructure is between 50 and 100 years old, and TAWC needs to continue
12 to invest in replacing its infrastructure in order to meet its obligation to provide safe,
13 reliable drinking water to its customers. This QIIP rider is assisting TAWC in
14 responsible address the systems' infrastructure replacement needs, while helping to
15 increase the time between rate cases and reduce the cost of rate cases to its Customers.
16 For these and other reasons, a continuation of this QIIP is in the public interest.

17 **Q. WOULD YOU RECOMMEND ANY CHANGES TO THIS RIDER?**

18 A. I would not recommend any changes to this rider at this time. I believe that the rider is
19 performing as it was intended to perform.

20
21 **ECONOMIC DEVELOPMENT INVESTMENT RIDER (EDI)**
22

1 **Q. CAN YOU EXPLAIN HOW TAWC HAS UTILIZED THE EDI SINCE ITS**
2 **INCEPTION?**

3 A. TAWC has utilized the EDI rider on several projects during the 2014 time period and has
4 plans to use it strategically in the future. These projects have been coordinated with the
5 City of Chattanooga and the community's Economic Development resources. This rider
6 has been very helpful to the areas' economic development activities to date. In its initial
7 authorization request, TAWC included only the infrastructure investment that was to be
8 part of new customer growth. This infrastructure investment is routinely part of TAWC's
9 annual capital expenditures. This was intentional, as TAWC wants to be conservative
10 and focused in utilizing the EDI rider. In this filing, TAWC is requesting two
11 opportunities to utilize this rider in the support of local economic development
12 enhancements and education tools that will assist Chattanooga in competing with other
13 communities in future economic development. The specific items we are filing for use in
14 2015 will be further explained in Company witness Linda Bridwell's testimony; but, I
15 have attached the letters supporting these opportunities to my testimony.
16 Company witness Brent O'Neill will detail the projects that will be funded under this
17 rider in his testimony.

18 **Q. WHAT WILL BE THE TOTAL INVESTMENT MADE BY TAWC IN THE EDI**
19 **RIDER OVER THE FILING PERIOD?**

20 A. TAWC will invest \$1,243,000 in EDI rider related projects in 2015.

21 **Q. CAN YOU EXPLAIN ANY COMMUNICATIONS BETWEEN TAWC AND THE**
22 **CITY OF CHATTANOOGA, AND THE OTHER COMMUNITIES YOU SERVE**
23 **IN TENNESSEE, CONCERNING THE EDI RIDER?**

1 A. The communication around the EDI rider has centered mostly on how it will benefit
2 economic development. One example is the Coca Cola Warehouse facility, which has
3 been an excellent use of this rider. The City of Chattanooga and the Company
4 communicated about using the rider for this project to encourage Coca Cola to locate the
5 new facility in Chattanooga. The City then put TAWC in contact with the developer and
6 engineers working for Coca Cola. This allowed for planning and construction for the
7 replacement and relocation of aged assets, which will provide improved water flow and
8 fire protection to the area as a whole. TAWC will utilize investment under the EDI rider
9 to replace the assets in connection with the Coca Cola Warehouse facility rather than the
10 QIIP, as the need for the replacement and relocation was driven primarily by economic
11 development needs.

12 Company witness Brent O'Neill will testify as to specific communication as to the
13 construction of the assets.

14 **Q. HOW HAS THIS BEEN DIFFERENT FROM THE PREVIOUS INVESTMENT**
15 **METHODS UTILIZED BY TAWC?**

16 A. While I do not wish to overstate the case, without the EDI Rider, Coca Cola may very
17 well have located in a different community. Applying only historical methods, TAWC
18 would have had to require Coca Cola to pay for the relocation and replacement of these
19 assets, thus increasing the upfront costs to Coca Cola. Given the investment by Coca
20 Cola, coupled with the growth and jobs attached to this project, losing it would have been
21 a tragic loss for the Chattanooga area. It is a potentially valuable tool that can enhance a
22 community's ability to attract future economic development opportunities and allow
23 TAWC to be a community partner in helping attract limited economic growth

opportunities that are available. This will help the area gain an upper hand in the rigid competition among competing communities, which benefits all of TAWC's customers. Additional water sales have the potential to offset the ongoing declining use that TAWC has experienced, maintaining a water sales level close to authorized.

Q. IN YOUR OPINION, HOW EFFECTIVE IS THE EDI RIDER?

A. Again, it is very early in the process, but at this stage I believe that the EDI is performing as it was designed to perform. I believe that it will demonstrate even more usefulness in the future as it will most likely be utilized in Chattanooga, as well as our other systems, on more projects. It is also my opinion that these projects will show that this rider will provide jobs and economic development opportunities for these communities that they may have easily missed without the rider.

Q. WOULD YOU RECOMMEND ANY CHANGES TO THE EDI RIDER?

A. As with the previous riders, it is performing as it was intended to perform. I would not recommend any changes at this time.

Q. IS THE EDI RIDER IN THE PUBLIC INTEREST?

A. Yes, it is. TAWC and its community partners are interested in economic development as a benefit to TAWC customers, who are the residents in those communities. The expansion of Coca Cola facilities is an early example how this rider can directly impact economic development, and thus serve the public interest.

SAFETY AND ENVIRONMENTAL COMPLIANCE RIDER (SEC)

1 **Q. CAN YOU EXPLAIN HOW TAWC HAS UTILIZED THE SEC RIDER SINCE**
2 **ITS INCEPTION?**

3 A. The SEC rider was utilized primarily on the design and installation of our new sludge
4 treatment process in Chattanooga. This project began in 2014 and will be in service in
5 2015. This project was crucial in order to meet the City of Chattanooga's required
6 compliance to the EPA consent decree. When dealing with water resources,
7 environmental compliance is a public health and safety issue that our community simply
8 must address.

9 Company witness Brent O'Neill will provide more details as to the use of the SEC in his
10 testimony.

11 **Q. WHAT IS THE TOTAL INVESTMENT PROPOSED BY TAWC IN THE SEC**
12 **OVER THE FILING PERIOD?**

13 A. TAWC will invest \$11,756,203 in the SEC in 2015.

14 **Q. HOW HAS THIS BEEN DIFFERENT FROM PREVIOUS INVESTMENT**
15 **METHODS THAT WERE AVAILABLE TO TAWC?**

16 A. The most important difference is that the investment is made through a program that
17 expressly delineates and highlights the reason needed for the investment. While this may
18 not seem important, it is important to the Customer. In the largest project in this Petition,
19 the Customer, as well as regulatory entities, can easily see that the reason for the needed
20 investment. The investment was required by TAWC so that the City could meet its
21 required compliance to the consent decree. Essentially, the investment was required by
22 the USEPA and the consent decree.

23 **Q. IN YOUR OPINION, HOW EFFECTIVE IS THE SEC RIDER?**

1 A. Again, it is very early in the process. But, at this stage the SEC rider is very effective.
2 This rider would cover the needed investment by the Company for any safety and/or
3 environmental compliance need. Also, this rider is a good way for the Customer to easily
4 see why the investment is required and needed. This provides the regulatory safeguards
5 and accountability measures that are important to maintain the regulatory compact
6 between the agency's oversight, the Company's operational needs for compliance and
7 recovery, and representation and education of the customer.

8 **Q. WOULD YOU RECOMMEND ANY CHANGES TO THE SEC RIDER AT THIS**
9 **TIME?**

10 A. No. Presently, the SEC rider is doing what it was intended to do, and I would not
11 recommend any changes at this time.

12 **Q. IS THE SEC RIDER IN THE PUBLIC INTEREST?**

13 A. Yes, it is. The USEPA has entered into consent decrees with hundreds of communities
14 across the country to reduce water resource pollution, driving hundreds of millions of
15 dollars of investments. This rider is allowing TAWC to partner with and assist the City
16 of Chattanooga to comply with its Consent Decree. The rider also allows TAWC to
17 maintain water service at a level to meet increasing water quality standards for potable
18 drinking water. These two components are clearly in the public interest.

19 **Q. DOES THIS CONCLUDE YOUR TESTIMONY?**

20 A. Yes.



City of Chattanooga

Mayor Andy Berke

September 19, 2014

Mr. Deron Allen
President, Tennessee American Water
109 Wiehl St.
Chattanooga, TN 37403

Dear Mr. Allen,

For the past 12 years the Chattanooga Area Chamber of Commerce's Economic Development Division has proactively driven economic growth and job creation in our community through its *Can Do* initiative. These efforts have helped created more than 19,300 jobs and influenced milestone business relocations and expansions like Volkswagen, Amazon, T-Mobile, HomeServe USA and others. In the past four years alone *Can Do* has played a lead role in increasing private capital investment in our community by \$847 million.

The City of Chattanooga has been a strong supporter of the program since its inception and the success of the effort can be attributed to the 93 investors like Tennessee American Water. Tennessee American's investment in the program has helped strengthen and diversify Chattanooga's economic base and ensure that we are a competitive destination to relocate a business and create new jobs and capital investment. The bottom line is the *Can Do* effort benefits everyone living and conducting business in the region.

We cannot rest on our past success. The City of Chattanooga is committed to supporting *Can Do* moving forward. It is my hope that the recently enacted law allowing Tennessee American Water to participate more aggressively in community economic development will result in a stronger partnership with *Can Do*. The program is looking to raise its capital and to meet those goals the Chamber is requesting Tennessee American to make a contribution of \$40,000 per year for four years. Tennessee American Water represents a big part of our community's asset base and by leveraging their resources with *Can Do*, we all win and our city will continue to grow and prosper.

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Berke".

Mayor Andy Berke
City of Chattanooga



October 1 , 2014

Mr. Deron Allen
President, Tennessee American Water
109 Wiehl St.
Chattanooga, TN 37403

RE: Tennessee American Water Company contribution to Southeast Tennessee STEM Hub

Dear Mr. Allen:

The Southeast Tennessee STEM Innovation Hub, a unique public-private collaboration between the Tennessee Department of Education and Public Education Foundation (PEF), works to expand science, technology, engineering and math (STEM) resources for teachers, students and the community throughout a 16-county footprint. By uniting K-12 schools, colleges, nonprofits and business partners in a cooperative effort, the STEM Hub leverages resources and provides high-quality educational experiences for educators, students and community members.

The STEM Hub is a center where teachers, principals, non-profit organizations, and leaders from business and industry work together to redesign how our children learn about science, technology, engineering, and math. The Hub provides professional development and learning opportunities for teachers, principals, parents and staff from community organizations. Additionally, the Hub works with students to help them develop skills that employers demand, including collaboration, authentic use of technology, critical thinking skills, and presentation skills.

In 2012, the Chattanooga Area Chamber of Commerce conducted focus groups among its membership of local companies and found the leading concern among employers was the lack of a skilled and job-ready workforce, particularly in STEM occupations. Working with both educators and students, the STEM Hub has great opportunity to advance the quality of STEM resources in southeast Tennessee. Through professional development for educators and STEM experiences for students, the Hub is designed to have an economic development impact by inspiring students to consider STEM job opportunities while preparing students with the skills needed to fill these jobs.

Tennessee American Water Company's support of the Southeast Tennessee STEM Innovation Hub reflects the importance of workforce development for continuing economic growth in the region and state. The Hub would greatly appreciate a \$5000 contribution from Tennessee American Water in 2015, and values Tennessee American Water's commitment to continued economic success through workforce readiness training and learning and is proud to call them a community partner.

Sincerely,

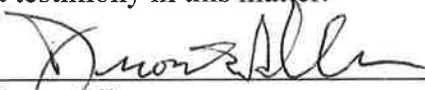
Keri Randolph

Director, Southeast Tennessee Innovation STEM Hub

STATE OF TENNESSEE)
)
COUNTY OF HAMILTON)

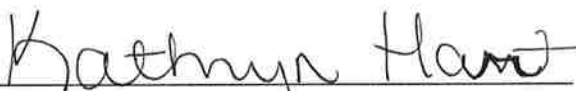
BEFORE ME, the undersigned authority, duly commissioned and qualified in and for the State and County aforesaid, personally came and appeared Deron Allen, being by me first duly sworn deposed and said that:

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



Deron Allen

Sworn to and subscribed before me
this 21st day of October, 2014.



Notary Public

My Commission Expires: 9-10-2016



PETITIONER'S EXHIBIT LCB-1

TENNESSEE-AMERICAN WATER COMPANY, INC.

DOCKET NO. 14-_____

DIRECT TESTIMONY

OF

LINDA C. BRIDWELL

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 – LCB

PETITIONER'S EXHIBIT – AVG IMPACT – LCB

PETITIONER'S EXHIBIT – QIIP 1 – LCB

PETITIONER'S EXHIBIT – QIIP 2 – LCB

PETITIONER'S EXHIBIT – EDI 1 – LCB

PETITIONER'S EXHIBIT – EDI 2 – LCB

PETITIONER'S EXHIBIT – SEC 1 – LCB

PETITIONER'S EXHIBIT – SEC 2 – LCB

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

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

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

2 A. My name is Linda C. Bridwell and my business address is 2300 Richmond Road,
3 Lexington, Kentucky 40502.

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

5 A. I am employed by American Water Works Service Company (“AWW”) as Manager of
6 Rates and Regulation for Tennessee and Kentucky.

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

9 A. Yes. I provided written testimony before the Tennessee Regulatory Authority (“TRA” or
10 “Authority”) in TRA Docket No. 12-00049. I have also provided both written and oral
11 testimony in at least fifteen different proceedings before the Kentucky Public Service
12 Commission (“PSC”) including rate cases, special investigations, and applications for a
13 Certificate of Public Convenience and Necessity.

14 **Q. PLEASE STATE YOUR EDUCATIONAL AND PROFESSIONAL**
15 **BACKGROUND.**

16 A. I received a B.S. degree in Civil Engineering from the University of Kentucky in 1988
17 and I received a M.S. degree in Civil Engineering from the University of Kentucky in
18 1992 with an emphasis in water resources. I completed a Masters of Business
19 Administration from Xavier University in Cincinnati, Ohio in 2000. I am a registered
20 Professional Engineer in the Commonwealth of Kentucky.

21 I have been employed by AWW since 1989. I began as a distribution supervisor
22 for Kentucky American Water (“KAW” or “Company”) until 1990 when I was promoted
23 to Planning Engineer, then Engineering Manager, and later Director of Engineering in

1 1998. In July 2004, I accepted the position of Project Delivery and Developer Services
2 Manager for the Southeast Region of AWW, responsible for Kentucky, Tennessee, and
3 West Virginia. In 2008, I became the KAW Project Delivery Manager for the
4 construction of a new water treatment plant, booster station, and transmission main in
5 Kentucky. This project was the largest project completed by American Water, in any of
6 its regulated businesses, at \$164 million. Upon completion of the project in October
7 2010, I became the Director of Environmental Compliance and Water Quality for KAW
8 and in February of 2011 I accepted my current position. I am an active member of the
9 American Water Works Association (AWWA), served as president of the local chapter
10 and state section of the American Society of Civil Engineering (ASCE), and served as an
11 officer in the local chapter of the National Society of Professional Engineers (NSPE) and
12 as a State officer. I have served periodically as an Adjunct Professor at the University of
13 Kentucky in the Civil Engineering Department, teaching "Water Quality and Pollution
14 Control" and the "Introduction to Environmental Engineering." I served as a member of
15 the Civil Engineering Industrial Advisory Committee at the University of Kentucky from
16 2005 until 2012. I served as a Commissioner on the Kentucky Water Resources
17 Development Commission established by Governor Patton and currently serve on the
18 Board of Directors for the Kentucky Infrastructure Authority.

19 **Q. WHAT ARE YOUR DUTIES AS MANAGER OF RATES AND REGULATION?**

20 A. My primary responsibilities encompass the coordination of regulatory issues in
21 Tennessee and Kentucky. This includes coordinating all reports and filings, working
22 with regulatory staff to make sure that all information produced addresses the
23 requirements or requests, and overseeing the preparation and filing of rate cases and tariff

1 changes. I work with the senior management in both states on planning. I am also
2 responsible for keeping abreast of changes in regulation, or trends in regulatory oversight
3 across the United States that may impact our local operations. I report to the Director of
4 Rates for the Central Division of American Water and am accountable to the Presidents
5 of KAW and Tennessee American Water (“Tennessee American”, or “TAWC”). I am
6 located in Kentucky, but work closely with the TAWC staff in Tennessee as well.

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

8 A. The purpose of my testimony is to support the calculation of the 2015 Capital Riders
9 described in TAWC’s Petition. On April 14, 2014, the TRA approved four new
10 alternative rate mechanisms for TAWC, effective April 15, 2014, in TRA Docket No. 13-
11 00130. Three of these alternative rate mechanisms were capital program recovery riders,
12 and one was for a rider for Production Costs and Other Pass-throughs (“PCOP”). The
13 three capital riders are the only items included in this current petition.

14 In addition, I intend on addressing issues with the timing of the reconciliation of
15 the current capital program recovery riders and the PCOP approved on April 14, 2014.

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

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

18 **Petitioner’s Exhibit -- Summary – LCB**
19 **Petitioner’s Exhibit – Avg Impact – LCB**
20 **Petitioner’s Exhibit – QIIP 1 – LCB**
21 **Petitioner’s Exhibit – QIIP 2 – LCB**
22 **Petitioner’s Exhibit – EDI 1 – LCB**
23 **Petitioner’s Exhibit – EDI 2 – LCB**
24 **Petitioner’s Exhibit – SEC 1 – LCB**
25 **Petitioner’s Exhibit – SEC 2 – LCB**
26 **Petitioner’s Exhibit – Current Tariff Sheet No. 12 – Riders – LCB**
27 **Petitioner’s Exhibit – Proposed Tariff Sheet No. 12 – Riders - LCB**

28
29 I will discuss these exhibits in further detail in my testimony below.

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

3 A. Yes.

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

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

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

14 A. Yes.

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

18 A. Yes, it does.
19

20 **Q. WHAT ARE THE THREE CAPITAL RECOVERY RIDERS?**

21 A. The three capital program recovery riders authorized in Docket No. 13-00130 were based
22 on certain categories of capital expenditures to cover the investment period of calendar
23 year 2014. The purpose of the current petition is to comply with the tariffs approved in

1 TRA Docket No. 13-00130 and provide the required information and supporting
2 documentation in each of the capital program riders based on the projected investment
3 period of 2015. The first capital recovery rider is the Qualified Infrastructure Investment
4 Program (“QIIP”) Rider. This rider is designed to recover the costs associated with the
5 capital investment made in between rate cases to replace aging infrastructure that is non-
6 revenue producing. As discussed in Docket No. 13-00130, aging water and wastewater
7 infrastructure is a growing problem across the United States that will require significant
8 investments over the next few decades to continue to provide clean and reliable water
9 service. This rider helps TAWC address its needs on replacing this critical infrastructure.
10 The QIIP program includes replacement of existing infrastructure in the areas of mains,
11 meters, services, hydrants, water treatment equipment, pumping equipment, and tank
12 painting.

13 The second capital recovery rider is the Economic Development Investment
14 (“EDI”) Rider. This rider is primarily for the recovery of investment made in
15 infrastructure to assist in economic development in the communities and area served by
16 TAWC. Communities across the country are competing for economic development
17 opportunities to provide growth in jobs, taxes, and overall quality of life for residents.
18 This rider provides an opportunity for TAWC to partner with the communities it serves to
19 assist in Economic Development. Additionally, this rider is designed to capture
20 investment for the use of alternative fuels, and unlike the QIIP Rider, may include
21 operating expenses related specifically to economic development.

22 The third capital recovery rider is the Safety and Environmental Compliance
23 (“SEC”) Rider. This rider is for the recovery of investment made to comply with safety

1 and environmental regulations since the previous rate case. TAWC, like other utilities, is
2 faced with increasing capital investment needs to comply with safety and environmental
3 regulations. This rider assists TAWC in addressing those needs. Like the EDI, the SEC
4 may include operating expenses that can be identified as specifically for the new
5 infrastructure with this rider.

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

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

19 **Q. CAN YOU EXPLAIN THE CALCULATION OF THE CAPITAL RECOVERY**
20 **RIDERS?**

21 A. Certainly. As set forth in the approved tariffs, all three capital recovery riders are
22 established on an annual prospective basis utilizing 12 month average end-of-month
23 balances and would reflect only those qualified plant additions installed after the

1 conclusion of the initial rate year in Docket No. 12-00049. Consistent with the tariffs, the
2 qualified plant additions are reduced by the projected retirements associated with the
3 capital rider additions in the calculation of applicable depreciation and property tax
4 expense. The EDI and SEC Riders are increased by the appropriate operating expenses as
5 discussed above. In this case, Tennessee American has proposed to begin the attrition
6 period for each of the capital riders on January 1, 2015, ending December 31, 2015. This
7 annual review period was established in the tariffs submitted on March 25, 2014, and
8 approved in Docket No. 13-00130 on April 14, 2014. The tariffs also establish a
9 reconciliation period for each of the capital riders, which will occur 60 days after the
10 close of the attrition period. As the attrition period in Docket No. 13-00130 is for
11 January 1, 2014 through December 31, 2014, the reconciliations will be filed by March 1,
12 2015. Based upon the process outlined in the tariffs, the reconciliations are not, and were
13 not intended to be, a part of this Petition.

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

18 **Q. CAN YOU DISCUSS DETAILED SPECIFICS TO THE OPERATION OF THE**
19 **CAPITAL RECOVERY RIDERS NOT ADDRESSED ABOVE?**

20 A. Yes. TAWC utilizes an annual prospective approach to the utility plant additions that
21 qualify for recovery through the capital riders. The capital riders provide for the recovery
22 of revenue sufficient to cover the capital cost, depreciation and tax expense related to the
23 projected investment in qualified utility plant. These costs consider the effects of

1 associated retirements (“Net Plant”), Contributions in Aid of Construction (CIAC), and
2 Removal Spending net of Salvage value for the attrition period. To determine the rate of
3 return recovery, the 12 month-end balances of new utility plant in service is averaged,
4 less ½ of the anticipated annual associated CIAC, plus ½ of the anticipated annual
5 associated cost of removal net of salvage spending, to derive the “Net Plant” amount.
6 The current approved pre-tax rate of return (“PTR”) is applied to this net amount to
7 determine the revenue requirement of the rate base portion. The PTR is calculated from
8 the weighted common equity and preferred equity, grossed up to include state and federal
9 taxes, plus the weighted cost of long-term debt and the weighted cost of short-term debt.
10 Next, the annual depreciation expense of the additional Net Plant is calculated
11 (“NetDep”), utilizing the current TRA approved depreciation rates by account and then
12 added. From there, incremental new property and Franchise taxes (“PFT”) is added. For
13 the EDI and SEC, additional operating expenses are added as appropriate. The sum of
14 these components are grossed up to include the recovery of the associated additional
15 Gross Receipts taxes, Uncollectible expense, and forfeited discounts (“RT”) to derive the
16 final revenue requirement. Then, any over or under capital rider collection of prior
17 periods would be added or subtracted as applicable (“R”). Since the capital riders only
18 became effective on April 15, 2014, and as the first reconciliations under the tariffs have
19 not occurred, the over or under capital rider adjustment is not included as part of this
20 Petition. This total is then divided by the authorized annual level of general metered
21 service and private fire service customer revenues from the prior docket (Docket No. 12-
22 00049), i.e. not including any other revenues, (“PAR”) to render each of the new capital
23 rider percentages.

Q. CAN THE ABOVE BE SHOWN AS A FORMULA?

A. Yes, the calculation of the QIIP is:

$$\text{QIIP \%} = \frac{\{(\text{NetPlant} \times \text{PTR}) + \text{NetDep} + \text{PFT}\} / 1 - \text{RT} + \text{R}}{\text{PAR}}$$

where:

- (i) NetPlant: average forecasted cost of QIIP qualified plant additions l (computed by use of average of 12 end-of-month balances).
- (ii) PTR: current pre-tax rate of return as calculated from authorized weighted cost of equity, grossed up for taxes, added to the authorized weighted cost of debt from most recent Base Rate case Order.
- (iii) NetDep: net annual depreciation expense related to the average forecasted QIIP additions, net of retirements and CIAC, per application of current TRA approved depreciation rates by account.
- (iv) PFT: property taxes and Franchise Tax
- (v) R: reconciliation component related to over/under recovery of QIIP costs during the prior QIIP year.
- (vi) RT: sum of revenue taxes % (Gross Receipts Tax), uncollectible expense %, forfeited discounts %, expressed as a decimal
- (vii) PAR: authorized annual base revenue subject to QIIP

The calculation of the EDI is:

$$\text{EDI \%} = \frac{\{(\text{NetPlant} \times \text{PTR}) + \text{NetDep} + \text{PFT} + \text{EDEx}\} / 1 - \text{RT} + \text{R}}{\text{PAR}}$$

where:

- (i) NetPlant: average forecasted cost of EDI qualified plant additions (computed by averaging the 12 end-of-month plant balances).
- (ii) PTR: current pre-tax rate of return as calculated from authorized weighted cost of equity, grossed up for taxes, added to the authorized weighted cost of debt from most recent Base Rate case Order.
- (iii) NetDep: net annual depreciation expense related to the average forecasted EDI additions, net of retirements and CIAC, per application of current TRA approved depreciation rates by account.
- (iv) PFT: property taxes and Franchise Tax
- (v) EDIEx: operational expense items related directly to economic development

(vi) R: reconciliation component related to over/under recovery of EDI costs during the prior EDI year.

(vii) RT: sum of revenue taxes % (Gross Receipts Tax), uncollectible expense % and forfeited discounts %, expressed as a decimal

(viii) PAR: authorized annual base revenue subject to EDI

And the SEC calculation is:

$$\text{SEC \%} = \frac{[(\text{NetPlant} \times \text{PTR}) + \text{NetDep} + \text{PFT} + \text{SECEX}] / 1 - \text{RT} + \text{R}}{\text{PAR}}$$

where:

(i) NetPlant: average forecasted cost of SEC Rider qualified plant additions (computed by averaging the 12 end-of-month balances).

(ii) PTR: current pre-tax rate of return as calculated from authorized weighted cost of equity, grossed up for taxes, added to the authorized weighted cost of debt from most recent Base Rate case Order.

(iii) NetDep: net annual depreciation expense related to the average forecasted SEC Rider additions, net of retirements and CIAC, per application of current TRA approved depreciation rates by account.

(iv) PFT: property taxes and Franchise Tax

(v) SECEX: operational expense items related directly to safety and environmental compliance

(vi) R: reconciliation component related to over/under recovery of SEC Rider costs during the prior SEC Rider year.

(vii) RT: sum of revenue taxes % (Gross Receipts Tax), uncollectible expense % and forfeited discounts %, expressed as a decimal

(viii) PAR: authorized annual base revenue subject to SEC Rider

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

A. Yes. I have attached an exhibit that reflects the calculation of each of the three capital recovery riders by project. A summary is attached to my testimony as **Petitioner's Exhibit Summary - LCB**. The detailed calculations are attached in six exhibits to my testimony as **Petitioner's Exhibit QIIP 1 – LCB**, **Petitioner's Exhibit QIIP 2 – LCB**,

1 **Petitioner's Exhibit EDI 1 – LCB, Petitioner's Exhibit EDI 2 – LCB, Petitioner's**
2 **Exhibit SEC 1 – LCB, and Petitioner's Exhibit SEC 2 – LCB.** The calculations are
3 consistent with the calculations that were made in the approved tariff in Docket No. 13-
4 00130. Further, to assist in the streamlined regulatory process, TAWC is including with
5 the Petition its detailed work-papers supporting the calculation of the three capital
6 recovery riders. Again, these work-papers are consistent with the calculations made to
7 support the approved tariff in Docket No. 13-00130.

8 **Q. HAS TAWC INCLUDED DETAILED INFORMATION REGARDING THE**
9 **PROJECTS THAT MAKE UP EACH OF THE PROPOSED CAPITAL**
10 **RECOVERY RIDERS?**

11 A. Yes. Company witness Brent O'Neill will discuss the details regarding the proposed
12 capital expenditures included in the QIIP, EDI and SEC for 2015.

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

14 A. The QIIP, EDI and SEC are expressed as a percentage. The current tariff Original Sheet
15 No. 12 – Riders – 1 is attached to my testimony as **Petitioner's Exhibit Current Tariff**
16 **Sheet No. 12 – Riders – LCB,** and the proposed tariff sheet First Revised Sheet No. 12 –
17 Riders - 1 is attached to my testimony as **Petitioner's Exhibit Proposed Sheet No. 12 –**
18 **Riders – LCB.** They are each applied to the total amount billed to each customer under
19 the otherwise applicable rates and charges for basic service, metered usage charges, and
20 private fire charges, and are applied prior to the inclusion of any other taxes, charges, or
21 surcharges. All three capital riders are combined into one line item on the bill of each
22 customer.

1 **Q. WHAT WILL HAPPEN TO THE CAPITAL RIDERS UPON APPROVAL OF**
2 **NEW RATES IN A RATE CASE PROCEEDING?**

3 A. The QIIP, EDI, and SEC will all be reset to zero as of the effective date of the new base
4 rates which Base Rates then provide for the recovery of the annual costs that had
5 theretofore been recovered through the capital riders. Thereafter, and consistent with the
6 tariffs, only the new QIIP, EDI, and SEC qualified plant additions and expenses not
7 previously included in rate base and Base Rates will be reflected in the future filings.

8 **Q. WHAT COST OF CAPITAL IS UTILIZED IN THE FORMULA OF THE**
9 **CAPITAL RIDERS**

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

12 **Q. WHAT DEPRECIATION RATES ARE USED TO DETERMINE THE**
13 **DEPRECIATION EXPENSE RECOVERED BY THE QIIP, EDI AND SEC?**

14 A. The depreciation rates last approved by the TRA in Docket 12-00049 for the respective
15 plant accounts in which the specific items of qualified infrastructure under each rider are
16 recorded are the depreciation rates used to determine the depreciation expense. New
17 depreciation rates would be used only after depreciation rates are changed during a
18 general rate proceeding.

19 **Q. WHAT PROPERTY TAX RATE IS USED TO DETERMINE THE PROPERTY**
20 **TAX EXPENSE RELATED TO THE ADDITIONAL INVESTMENT TO BE**
21 **RECOVERED BY THE QIIP, EDI AND SEC?**

1 A. The property tax rate is based on the proportion of property taxes authorized in Docket
2 No. 12-00049 to the utility plant in service, multiplied by the additional utility plant less
3 retirements.

4 **Q. HOW ARE ANNUAL REVENUES DETERMINED FOR THE QIIP, EDI AND**
5 **SEC?**

6 A. The projected annual revenues will be the authorized water services revenues from the
7 last case, Docket No. 12-00049, including all service charges and volumetric charges for
8 all classes that are subject to the capital riders.

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

14 A. Yes. This could occur as a result of a difference between the actual and the allowed
15 water operating revenues upon which the capital riders are based.

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

21 A. Yes. As discussed earlier, the QIIP, EDI and SEC are all subject to an annual
22 reconciliation whereby the revenue received under each of the capital riders for the
23 reconciliation period will be compared to the revenue necessary for the Company to

1 recover its return of and return on investment plus taxes, for that QIIP, EDI and SEC
2 year. Any over or under recovery will be included in the calculation of the next
3 adjustment to the QIIP. For the reason I stated earlier, the reconciliation is not part of the
4 currently proposed change to the QIIP, EDI or SEC. The capital rider reconciliations for
5 the period ending December 31, 2014, will be submitted on March 1, 2015.

6 **Q. HAS TENNESSEE AMERICAN INCLUDED ANY OPERATING EXPENSES IN**
7 **THE CURRENTLY PROPOSED EDI RIDER OTHER THAN THE**
8 **DEPRECIATION AND TAX EXPENSES?**

9 A. Yes. In the tariffs approved in Docket No. 13-00130, TAWC included expenses related
10 to specific Economic Development within the community as a component of the EDI
11 rider, although the projected amount for the period ending December 31, 2014 was zero.
12 In this Petition, and the accompanying tariffs, TAWC has included a \$40,000 expense to
13 support the Greater Chattanooga Chamber of Commerce program to promote Economic
14 Development (the "Chamber Program"). The Chamber Program has been instrumental in
15 the recent announcement of Coca-Cola to relocate to Chattanooga, which will bring new
16 jobs and investment to Chattanooga. As evidenced by Coca-Cola's actions, the Chamber
17 Program is clearly working to provide economic development to Chattanooga. Even still,
18 TAWC has attempted to be very selective, and even conservative, in identifying and
19 participating only in programs and efforts that provide meaningful benefit to TAWC's
20 customers through effective economic development. A letter supporting TAWC's
21 involvement in the Chamber Program is attached to the testimony of Company witness
22 Deron Allen's testimony. Additionally, TAWC has included a \$5,000 expense to the
23 Southeast Tennessee STEM Innovation Hub, which works to expand science, technology,

1 engineering and math resources. Specifically, this organization is focused on education
2 and workforce development to support economic development. Again, this program is
3 designed to benefit Tennessee American customers through promotion of economic
4 development. An additional letter regarding TAWC's effort in this program to promote
5 economic development is also attached to Mr. Allen's testimony.

6 **Q. HAS TENNESSEE AMERICAN INCLUDED ANY OPERATING EXPENSES IN**
7 **THE CURRENTLY PROPOSED SEC RIDER OTHER THAN THE**
8 **DEPRECIATION AND TAX EXPENSES?**

9 Yes. In the tariffs approved in Docket No. 13-00130, TAWC included operational
10 expenses related to specific investment in Safety and Environmental Compliance as a
11 component of the SEC Rider, although the projected amount for the period ending
12 December 31, 2014 was zero. The tariffs in this filing include one hundred and eighty-
13 eight thousand dollars (\$188,000) in expense to operate the new sludge press investment
14 project that is expected to go in-service in May, 2015. One hundred and twenty thousand
15 dollars (\$120,000) of that expense is new transportation costs to haul and dispose of
16 residuals that were previously treated through the waste disposal process. Forty-four
17 thousand dollars (\$44,000) is for new chemicals to be used with the sludge press, and
18 Twenty-four thousand dollars (\$24,000) is for new electrical costs for the operation of the
19 sludge press. These are the only additional operational expenses included in the SEC
20 Rider other than depreciation and tax expense. They are specific to an investment project
21 that is specifically for environmental compliance, are unique and new expenses for
22 Tennessee American, and can be tracked specifically as separate expenses. In addition to
23 the hauling costs, the chemical treatment will all be related to the use of unique chemicals

1 not otherwise used in the water treatment process. The electrical feed will be set up on a
2 separate meter to distinguish these costs from other water treatment plant power costs.
3 This will also help monitor efficiency of the process over the coming years.

4 **Q. WHY HAS TENNESSEE AMERICAN CHOSEN TO INCLUDE THOSE**
5 **OPERATING EXPENSES IN THE CAPITAL RIDERS?**

6 A. The original approved tariffs included the possibility for qualified expenses in future
7 filings, although no expenses of this type were included in the tariff amount as approved
8 in April 2014. Tennessee American believes the currently proposed expenses for 2015
9 are appropriate based on the approved tariff, are unique to the EDI and SEC riders, and
10 should be included in the currently proposed riders. The SEC expenses identified will
11 not be included in the PCOP reconciliation in 2015.

12 **Q. YOU INDICATED THAT TENNESSEE AMERICAN IS ONLY INCLUDING**
13 **CHANGES TO THE CAPITAL RIDERS FOR 2015 CAPITAL EXPENDITURES**
14 **IN THIS FILING. WHEN WILL TENNESSEE AMERICAN FILE THE**
15 **RECONCILIATION OF THE CAPITAL RIDERS?**

16 A. Consistent with the approved tariffs, Tennessee American will file a reconciliation for all
17 three capital riders no later than March 1, 2015. There are actually two steps to the
18 reconciliation. The first is an adjustment for budget to actual investment. This is a
19 regulatory oversight and public interest component of the mechanism that results in a
20 true-up if the investment did not occur (up or down) as forecasted. The second is an
21 adjustment for the over or under recovery of revenues as projected, including interest. In
22 this way, the consumers are protected if sales exceed the amount authorized in the
23 previous rate case proceeding. This may occur if there is a significant amount of

1 customer growth, or if dry and hot conditions occur in any given year. This second
2 adjustment also allows TAWC to adjust if sales are less than the amount authorized in the
3 last case, as may occur with declining usage that TAWC has experienced in recent years.
4 The reconciliation percentage, pending approval by April 1, 2015, as contemplated in the
5 tariffs, will be applied to customer bills for 9 months in 2015.

6 **Q. MS. BRIDWELL, YOU INDICATED EARLIER THAT THERE WERE SOME**
7 **ISSUES YOU WISHED TO ADDRESS WITH THE AUTHORITY REGARDING**
8 **THE RECONCILIATION OF THE INITIAL FILING APPROVED BY THE**
9 **AUTHORITY ON APRIL 14, 2014. CAN YOU ELABORATE ON THOSE**
10 **ISSUES AT THIS TIME?**

11 A. Yes I can. Based upon Tenn. Code Ann. § 65-5-103 *et seq.*, in Docket 13-00130,
12 Tennessee American proposed tariffs that it anticipated would be approved and be in
13 place in January 2014. As the tariffs became effective on April 15, 2014, as opposed to
14 sometime earlier in January, TAWC did not begin applying the capital rider surcharges
15 until mid-April. Because of this, if these dates are strictly applied, an annual
16 reconciliation of the first filing approved on April 14, 2014, would have to be completed
17 in two steps – a) one to capture the investments made as part of the capital riders for
18 calendar year 2014, which could be filed by March 1, 2015; and b) one to capture the
19 difference in dollars collected through the riders from April 15, 2014 through April 14,
20 2015, which would not be able to be filed until mid to late June, 2015. Filing in this
21 manner would create a mismatch of reconciliation periods that would remain until a new
22 rate case is filed and approved by the TRA and the filing periods would be re-set. The
23 mismatch of reconciliation periods will create additional expense for TAWC, and a

1 heightened, though avoidable, resource burden to the Authority and Tennessee Consumer
2 Advocate and Protection Division (“CAPD”), relative to the preparation and review of an
3 additional reconciliation. Further, this mismatch would result in three adjustments to
4 customer bills over a 12-month period on the capital riders alone, which may lead to
5 some customer confusion.

6 **Q. WHAT HAS TAWC DONE TO ADDRESS THIS RECONCILIATION ISSUE**
7 **WITH THE AUTHORITY AND THE CAPD?**

8 A. TAWC carefully considered the options for the most appropriate approach of the
9 reconciliation to remain consistent with and within the spirit of both the Consumer
10 Advocate Protection Division’s good faith settlement and the TRA’s approval, and
11 remain in the public interest. We have done this without compromising or undermining
12 the regulatory oversight and public interest safeguards and without harm to the
13 consumers. Although the period for revenue adjustment is less than originally anticipated
14 in the tariffs, TAWC is proposing to only file one reconciliation for the investment period
15 of the calendar year 2014 by March 1, 2015, to incorporate both steps, and thus eliminate
16 the mismatch of the reconciliation periods. This will likely result in an under collection
17 situation for revenues on the capital riders, but will reduce the expense and administrative
18 burden for all parties involved by having only one proceeding for the reconciliation of the
19 capital riders for 2014. During the consideration of the three capital riders and before
20 approval by the TRA, both the CAPD and the TRA expressed concern over whether these
21 alternative methods would place significant burdens upon the agency and its resources.
22 Eliminating the mismatch also is an attempt to ensure seamless, easy to verify filings in
23 support of the capital recovery riders. The reconciliation of the capital recovery riders

1 will be for the 2014 calendar year only and will not include 2015 investments or revenue
2 collections. Because the review period anticipated in the tariffs is fairly short, TAWC is
3 choosing to notify the TRA of this proposed single reconciliation at this time.

4 **Q. AGAIN, WHY IS TENNESSEE AMERICAN NOT INCLUDING THE**
5 **RECONCILIATION COMPONENT OF THE 2014 CAPITAL RECOVERY**
6 **RIDERS IN THIS FILING?**

7 A. The QIIP, EDI, and SEC capital riders were approved to cover the calendar year 2014.
8 Because the year has not been completed, the reconciliation cannot accurately occur
9 consistent with the tariffs. As established in the tariffs, the reconciliation will occur in
10 early 2015 and be filed no later than March 1, to be effective in rates April 1, 2015.

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

15 A. The PCOP differs from the capital riders, in that at the end of a year, it looks at the
16 historical period and compares the actual production expenses to the amount of
17 production expenses authorized in the previous rate case. It then applies an adjustment
18 over the next year to account for any differences between the two amounts, either over or
19 under the authorized amount. The first review period for the approved PCOP looked at
20 the amount of production expenses in the attrition year from the previous rate case, which
21 was December 1, 2012 to November 30, 2013 compared to the actual amount of
22 production expenses that occurred between December 1, 2012 and November 30, 2013.

1 The expenses in the attrition period were actually less than authorized in the case, so
2 TAWC under the approved PCOP applied a credit adjustment to customers.

3 The subsequent period approved for review in the tariff is defined as the twelve
4 months subsequent to the attrition period, and every twelve-month period after that. So
5 the next review period for the PCOP will be December 1, 2013 through November 30,
6 2014. Because that review period is not complete, there is nothing regarding the PCOP
7 in this petition. Like the capital riders, an attempt to provide even a status of the year so
8 far may paint an inaccurate picture. TAWC anticipates filing the reconciliation of the
9 PCOP in a separate petition prior to the end of the year.

10 **Q. WILL THE PCOP HAVE A TWO-STEP RECONCILIATION PROCEESS?**

11 A. Yes. Similar to the Capital Recovery Riders, the PCOP reconciliation has 1) a
12 reconciliation of the actual expenses in the historical review period to the authorized
13 levels in the previous rate case; and 2) a reconciliation of the implementation of the
14 PCOP during that same historical review period.

15 **Q. IS THERE A SIMILAR CONCERN WITH THE TIMING OF THESE**
16 **RECONCILIATIONS?**

17 A. Yes. Similar to the Capital Recovery Riders, the PCOP was approved on April 14, 2014
18 and implemented on April 15, 2014 although the proposed amount that was approved was
19 intended to be refunded over a year. So the PCOP would complete the reconciliation in
20 two steps a) one to capture the full year actual expense to the authorized levels in the
21 previous case to be filed by December 31, 2014; and b) one to capture the difference in
22 dollars refunded through the PCOP rider from April 15, 2014 through April 14, 2015,
23 which would be filed in mid to late May 2015. Again, filing in this manner creates a

1 mismatch of reconciliation period that would remain until a new rate case is filed and
2 approved by the TRA and the filing periods would be re-set. The mismatch of
3 reconciliation periods will create additional expense for all parties relative to the
4 preparations and review of an additional reconciliation. Further, this mismatch would
5 mean two adjustments to customer bills over a 12-month period which may lead to some
6 customer confusion.

7 **Q. WHAT HAS TAWC DONE TO ADDRESS THE RECONCILIATION ISSUE**
8 **WITH THE AUTHORITY AND THE CAPD?**

9 A. TAWC is proposing to file one reconciliation on the PCOP by December 31, 2014. This
10 will include both the adjustment for the actual expenses for December 1, 2013 through
11 November 30, 2014 to the authorized levels in Case No. 12-00049, as well as the
12 adjustment for the difference in the refunded amount from April 15, 2014 until November
13 30, 2014 compared to the authorized amount. This will allow both the reconciliation
14 periods on the PCOP to match, thus saving expenses for all parties involved and
15 potentially reducing customer confusion. Since the current PCOP is actually a refund,
16 TAWC anticipates that it will have likely refunded less than the authorized amount and
17 will need to adjust that portion of the PCOP with additional refunds. These additional
18 refunds may offset increased expenses during the most recent review period. TAWC is
19 notifying the TRA of the proposed filing of one reconciliation of the PCOP in December
20 2014 during this proceeding since the review period anticipated in the authorized tariffs is
21 fairly short.

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

2 A. TAWC anticipates filing the reconciliation on the PCOP Rider by December 31, 2014.
3 New PCOP rates are anticipated to be effective by January 30, 2015.

4 **Q. WHAT IS THE PROPOSED NEW QIIP RIDER?**

5 A. TAWC is proposing a QIIP rider that results in an annualized revenue recovery of
6 \$1,001,897 or a surcharge of 2.13%. This is an increase of \$628,624 and an increase of
7 1.34%.

8 **Q. HAS TENNESSEE AMERICAN FILED A TARIFF ADDRESSING THE
9 PROPOSED QIIP RIDER?**

10 A. Yes. A new tariff First Revised Sheet No. 12 – Riders – 1 reflects all three Capital
11 Recovery Riders and is attached to my testimony as **Petitioner’s Exhibit Proposed**
12 **Sheet No. 12- Riders - LCB.**

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

14 A. TAWC is proposing an EDI rider that results in an annualized revenue recovery of
15 \$288,955 or a surcharge of 0.61%. This is an increase of \$204,332 and an increase of
16 0.43%. Again, this is shown on the new tariff First Revised Sheet No. 12 – Riders – 1
17 which reflects all three Capital Recovery Riders and is attached to my testimony as
18 **Petitioner’s Exhibit Proposed Sheet No. 12- Riders - LCB.**

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

20 A. TAWC is proposing a SEC rider that results in an annualized revenue recovery of
21 \$1,859,009 or a surcharge of 3.95%. This is an increase of \$1,805,994 and an increase of
22 3.84%. Again, this is shown on the new tariff First Revised Sheet No. 12 – Riders – 1

1 which reflects all three Capital Recovery Riders and is attached to my testimony as
2 **Petitioner's Exhibit Proposed Sheet No. 12- Riders - LCB.**

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

4 A. The typical residential customer living in the City of Chattanooga, and using an average
5 of 4, 154 gallons per month will see an increase in their bill of \$1.21 per month, or
6 \$14.52 per year. This is an increase of 5.61% over the current monthly average bill. A
7 summary of this information is attached to my testimony as **Petitioner's Exhibit Avg.**
8 **Impact – LCB.**

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

11 A. Yes. Tennessee American understands that the purpose of the legislation was, in part, to
12 encourage an increase in certain types of infrastructure investment and recovery by
13 utilities, while reducing the costs to consumers and utilities for regulatory review and
14 implementation, and promoting rate gradualism for consumers. TAWC believes the
15 approved capital recovery riders are achieving that goal. Without the approved
16 alternative rate mechanisms, and specifically without the capital riders, TAWC would be
17 preparing another general rate case. TAWC has been able to partner with the community
18 to promote economic development, which we believe to be in the public interest. TAWC
19 has been able to increase infrastructure replacement and meet environmental compliance
20 needs on a timely basis, which we believe to be in the public interest.

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

22 A. I recommend that the petition be approved for the increase in the QIIP, EDI and SEC
23 Riders. Further, I recommend TAWC file only one reconciliation by March 1, 2015 for

1 the two steps of the Capital Recovery Riders approved in Docket No. 13-00130, and only
2 one reconciliation for the PCOP Rider by December 31, 2014.

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

4 **A. Yes.**

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	Proposed Revenue Requirement*	Percentage Applied to Bill*	Revenue Requirement as Authorized - 2014	Percentage Applied to Bill as Authorized	Impact of Proposed Adjustments on Revenue Requirement	Impact of Proposed Adjustments on Bill Percentage
1							
2	QIIP	\$ 1,001,897	2.13%	\$ 373,273	0.79%	\$ 628,624	1.34%
3							
4	EDI	288,955	0.61%	84,623	0.18%	\$ 204,332	0.43%
5							
6	SEC	1,859,009	3.95%	53,015	0.11%	\$ 1,805,994	3.84%
7							
8	Total	\$ 3,149,861	6.69%	\$ 510,911	1.08%	\$ 2,638,950	5.61%
9							
10							

*Includes Def. Tax, Accum. Depreciation, Forfeited Discount Gross Up and does not include w/out TRA Gross Up

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)

Line Number	Area	Meter Fee	Volumetric Charges	Bill Before Surcharges	2014 Authorized Capital Surcharges at 1.08%	2014 PCOP at -1.15%	Total 2014 Authorized Surcharges	2015 QIIP Surcharge at 1.34%	2015 EDI Surcharge at 0.43%	2015 SEC Surcharge at 3.84%	2015 Proposed Capital Adjustments	Total Proposed Surcharges
1												
2	Chattanooga	\$ 13.96	\$ 7.60	\$ 21.56	\$ 0.23	\$ (0.25)	\$ (0.02)	\$ 0.29	\$ 0.09	\$ 0.83	\$ 1.21	\$ 1.19
3												
4	Lookout Mountain	\$ 15.66	\$ 12.39	\$ 28.05	\$ 0.30	\$ (0.32)	\$ (0.02)	\$ 0.38	\$ 0.12	\$ 1.08	\$ 1.57	\$ 1.55
5												
6	Lakeview	\$ 15.66	\$ 9.16	\$ 24.82	\$ 0.27	\$ (0.29)	\$ (0.02)	\$ 0.33	\$ 0.11	\$ 0.95	\$ 1.39	\$ 1.38
7												
8	Suck Creek	\$ 30.60	\$ 16.12	\$ 46.72	\$ 0.50	\$ (0.54)	\$ (0.03)	\$ 0.63	\$ 0.20	\$ 1.79	\$ 2.62	\$ 2.59
9												
10	Lone Oak	\$ 42.03	\$ 15.65	\$ 57.68	\$ 0.62	\$ (0.66)	\$ (0.04)	\$ 0.77	\$ 0.25	\$ 2.21	\$ 3.24	\$ 3.20
11												

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

Line Number	Description	QIIP Company Totals
1	Additions Subject to QIIP:	
2	Plus: Cost of Removal less Salvage	\$ 6,530,250
3	Less: Contributions in Aid to Construction (CIAC)	785,489
4	Less: Deferred Income Taxes	-
5	Less: Accumulated Depreciation	(20,076)
6	Net Investment Supplied QIIP Additions:	188,222
7		<u>\$ 7,147,593</u>
8	Pre-Tax Rate of Return:	9.45%
9	Pre-Tax Return on Additions:	<u>\$ 675,760</u>
10		
11	Depreciation Expense on QIIP Additions:	207,547
12		
13	Property and Franchise Taxes Associated with QIIP:	86,619
14		
15	QIIP Revenues:	<u>\$ 969,927</u>
16		
17	Revenue Taxes	3.19%
18	Total QIIP Revenues with Revenue Taxes	<u>\$ 1,001,897</u>
19		
20	Volumetric and Metered Revenue as Per Docket No. 12-00049	<u>\$ 47,073,724</u>
21		
22	QIIP Percentage to Apply to Bill:	<u>2.13%</u>
23		

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

QIIP																= 1 + 2			= 1 + 3 + 5 +8			= 6 x 9.4522%		
Investment by Plant Account		Account Description		Struct & Imp-T&D		Retirements		CIAC		Net Investments (for Prop Tax)		Cost of Removal Net of Salvage		Accumulated Deferred Income Taxes		Accumulated Depreciation		Earnings Basis Net Investment		Earnings Basis x PTR				
Line #	Account																							
1	304400																							
2		Recurring Projects																						
3		Investment Projects																						
4		Total QIP																						
5																								
6	304500																							
7		Recurring Projects																						
8		Investment Projects																						
9		Total QIP																						
10																								
11	311520																							
12		Recurring Projects																						
13		Investment Projects																						
14		Total QIP																						
15																								
16	320200																							
17		Recurring Projects																						
18		Investment Projects																						
19		Total QIP																						
20																								
21	340200																							
22		Recurring Projects																						
23		Investment Projects																						
24		Total QIP																						
25																								
26	340315																							
27		Recurring Projects																						
28		Investment Projects																						
29		Total QIP																						
30																								
31	341100																							
32		Recurring Projects																						
33		Investment Projects																						
34		Total QIP																						
35																								
36	341200																							
37		Recurring Projects																						
38		Investment Projects																						
39		Total QIP																						
40																								
41	341300																							
42		Recurring Projects																						
43		Investment Projects																						
44		Total QIP																						
45																								
46	343000																							
47		Recurring Projects																						
48		Investment Projects																						
49		Total QIP																						
50																								
51	331001																							

Page 1 of 4

see American Water Company
Infrastructure Improvement Program
Investment Worksheet

QIP										
Investment by Plant Account	Account Description	1	2	3	4	5	B	C	6	7
					= 1 + 2				= 1 + 3 + 5 + B	= 6 x 9.4522%
Line #	Investment by Plant Account	Additions	Retirements	CIAC	Net Investments (for Prop Tax)	Cost of Removal Net of Salvage	Accumulated Deferred Income Taxes	Accumulated Depreciation	Earnings Basis Net Investment	Earnings Basis x PTR
52	Recurring Projects	\$ 3,196,081	\$ (77,330)	\$ -	\$ 3,118,751	\$ 402,149	\$ (12,789)	\$ (33,507)	\$ 3,551,934	\$ 335,813
53	Investment Projects	1,020,000	-	-	1,020,000	-	(1,054)	(12,068)	1,006,878	95,194
54	Total QIP	\$ 4,216,081	\$ (77,330)	\$ -	\$ 4,138,751	\$ 402,149	\$ (13,843)	\$ (45,575)	\$ 4,558,812	\$ 431,007
55										
56	333000									
57	Recurring Projects	\$ 403,918	\$ (9,520)	\$ -	\$ 394,399	\$ 133,728	\$ (1,808)	\$ (3,599)	\$ 532,240	\$ 50,320
58	Investment Projects	-	-	-	-	-	-	-	-	-
59	Total	\$ 403,918	\$ (9,520)	\$ -	\$ 394,399	\$ 133,728	\$ (1,808)	\$ (3,599)	\$ 532,240	\$ 50,320
60										
61	334100									
62	Recurring Projects	\$ 713,847	\$ (2,828)	\$ -	\$ 711,019	\$ 149,905	\$ 12,109	\$ (45,820)	\$ 830,040	\$ 78,475
63	Investment Projects	-	-	-	-	-	-	-	-	-
64	Total	\$ 713,847	\$ (2,828)	\$ -	\$ 711,019	\$ 149,905	\$ 12,109	\$ (45,820)	\$ 830,040	\$ 78,475
65										
66	334200									
67	Recurring Projects	\$ 270,770	\$ (5,628)	\$ -	\$ 265,141	\$ 82,355	\$ (265)	\$ (4,994)	\$ 347,865	\$ 32,888
68	Investment Projects	-	-	-	-	-	-	-	-	-
69	Total	\$ 270,770	\$ (5,628)	\$ -	\$ 265,141	\$ 82,355	\$ (265)	\$ (4,994)	\$ 347,865	\$ 32,888
70										
71	335000									
72	Recurring Projects	\$ 198,326	\$ (23,794)	\$ -	\$ 174,532	\$ 17,352	\$ (223)	\$ (3,771)	\$ 211,684	\$ 20,013
73	Investment Projects	-	-	-	-	-	-	-	-	-
74	Total	\$ 198,326	\$ (23,794)	\$ -	\$ 174,532	\$ 17,352	\$ (223)	\$ (3,771)	\$ 211,684	\$ 20,013
75	330003									
76	Recurring Projects	\$ 547,308	\$ -	\$ -	\$ 547,308	\$ -	\$ 18,093	\$ (59,498)	\$ 505,902	\$ 47,830
77	Investment Projects	-	-	-	-	-	-	-	-	-
78	Total	\$ 547,308	\$ -	\$ -	\$ 547,308	\$ -	\$ 18,093	\$ (59,498)	\$ 505,902	\$ 47,830
79										
80										
81										
82	Total	\$ 6,530,250	\$ (119,100)	\$ -	\$ 6,411,150	\$ 785,489	\$ 20,076	\$ (188,222)	\$ 7,147,593	\$ 675,760

QIIP							
			8 =(1+2+3)x Depreciation Rate	9 = (4 x Prop Tax Rate) + (4 x Franchise Rate)	10	11 = 7 + 8 + 9 + 10	12 = 11 / (1 - 4.482%)
Investment by Plant Account	Account Description		Depr Exp	Prop Tax & Franchise Fees	Operational Expenses	Total Before Revenue Tax	Total With Revenue Tax
Struct & Imp-T&D							
1 304400							
2	Recurring Projects		\$ -	\$ -	\$ -	\$ -	\$ -
3	Investment Projects		-	-	-	-	-
4	Total QIP		\$ -	\$ -	\$ -	\$ -	\$ -
5							
Structures & Improvement - General							
6 304500							
7	Recurring Projects		\$ -	\$ -	\$ -	\$ -	\$ -
8	Investment Projects		-	-	-	-	-
9	Total QIP		\$ -	\$ -	\$ -	\$ -	\$ -
10							
Pumping Equipment SOS							
11 311520							
12	Recurring Projects		\$ -	\$ -	\$ -	\$ -	\$ -
13	Investment Projects		988	730	-	6,740	6,963
14	Total QIP		\$ 988	\$ 730	\$ -	\$ 6,740	\$ 6,963
15							
Water Trmt Equip Filter Media							
16 320200							
17	Recurring Projects		\$ -	\$ -	\$ -	\$ -	\$ -
18	Investment Projects		24,257	973	-	30,679	31,690
19	Total QIP		\$ 24,257	\$ 973	\$ -	\$ 30,679	\$ 31,690
20							
Computer & Peripheral Equipment							
21 340200							
22	Recurring Projects		\$ -	\$ -	\$ -	\$ -	\$ -
23	Investment Projects		1,183	730	-	6,666	6,886
24	Total QIP		\$ 1,183	\$ 730	\$ -	\$ 6,666	\$ 6,886
25							
Computer Software Special Deprec Rate							
26 340315							
27	Recurring Projects		\$ -	\$ -	\$ -	\$ -	\$ -
28	Investment Projects		-	-	-	-	-
29	Total QIP		\$ -	\$ -	\$ -	\$ -	\$ -
30							
Transportation Equip Lt Duty Trucks							
31 341100							
32	Recurring Projects		\$ -	\$ -	\$ -	\$ -	\$ -
33	Investment Projects		-	-	-	-	-
34	Total QIP		\$ -	\$ -	\$ -	\$ -	\$ -
35							
Transportation Equip Hvy Duty Trucks							
36 341200							
37	Recurring Projects		\$ -	\$ -	\$ -	\$ -	\$ -
38	Investment Projects		-	-	-	-	-
39	Total QIP		\$ -	\$ -	\$ -	\$ -	\$ -
40							
Transportation Equip Autos							
41 341300							
42	Recurring Projects		\$ -	\$ -	\$ -	\$ -	\$ -
43	Investment Projects		-	-	-	-	-
44	Total QIP		\$ -	\$ -	\$ -	\$ -	\$ -
45							
Tools, Shop, Garage Equipment							
46 343000							
47	Recurring Projects		\$ -	\$ -	\$ -	\$ -	\$ -
48	Investment Projects		-	-	-	-	-
49	Total QIP		\$ -	\$ -	\$ -	\$ -	\$ -
50							
Transmission & Distribution Mains							
51 331001							

		QIP						
		8	9	10	11	12		
		=(1+2+3)X Depreciation Rate	=(4 x Prop Tax Rate) + (4 x Franchise Rate)		= 7 + 8 + 9 + 10	= 11 / (1 - 4.482%)		

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

Line Number	Description	EDI Company Totals
1	Additions Subject to EDI:	
2	Plus: Cost of Removal less Salvage	\$ 1,758,014
3	Less: Contributions in Aid to Construction (CIAC)	-
4	Less: Deferred Income Taxes	159,611
5	Less: Accumulated Depreciation	(4,887)
6	Net Investment Supplied EDI Additions:	54,621
7		<u>\$ 1,548,670</u>
8	Pre-Tax Rate of Return:	9.45%
9	Pre-Tax Return on Additions:	<u>\$ 146,417</u>
10		
11	Depreciation Expense on EDI Additions:	64,565
12		
13	Operational Expenses Related to EDI	45,000
14		
15	Property and Franchise Taxes Associated with EDI:	23,752
16		
17	EDI Revenues:	<u>\$ 279,734</u>
18		
19	Revenue Taxes	3.19%
20	Total EDI Revenues with Revenue Taxes	<u>\$ 288,955</u>
21		
22	Volumetric and Metered Revenue as Per Docket No. 12-00049	<u>\$ 47,073,724</u>
23		
24	EDI Percentage to Apply to Bill:	<u>0.61%</u>
25		

[illegible]

Line #	Investment by Plant Account	Account Description	8 =(1+2+3)x Depreciation Rate	9 = (4 x Prop Tax Rate) + (4 x Franchise Rate)	10	11	12 = 11 / (1 - 4.482%)
EDI							
Depr Exp							
Operational Expenses							
Prop Tax & Franchise Fees							
Total Before Revenue Tax							
Total With Revenue Tax							
Struct & Imp-T&D							
1	304400						
2		Recurring Projects	\$ -	\$ -	\$ -	\$ -	-
3		Investment Projects	-	-	-	-	-
4		Total QIP	\$ -	\$ -	\$ -	\$ -	-
5							
Structures & Improvement - General							
6	304500						
7		Recurring Projects	\$ -	\$ -	\$ -	\$ -	-
8		Investment Projects	-	-	-	-	-
9		Total QIP	\$ -	\$ -	\$ -	\$ -	-
10							
Pumping Equipment SOS							
11	311520						
12		Recurring Projects	\$ -	\$ -	\$ -	\$ -	-
13		Investment Projects	-	-	-	-	-
14		Total QIP	\$ -	\$ -	\$ -	\$ -	-
15							
Water Trmt Equip Filter Media							
16	320200						
17		Recurring Projects	\$ -	\$ -	\$ -	\$ -	-
18		Investment Projects	-	-	-	-	-
19		Total QIP	\$ -	\$ -	\$ -	\$ -	-
20							
Computer & Peripheral Equipment							
21	340200						
22		Recurring Projects	\$ -	\$ -	\$ -	\$ -	-
23		Investment Projects	-	-	-	-	-
24		Total QIP	\$ -	\$ -	\$ -	\$ -	-
25							
Computer Software Special Deprec Rate							
26	340315						
27		Recurring Projects	\$ -	\$ -	\$ -	\$ -	-
28		Investment Projects	-	-	-	-	-
29		Total QIP	\$ -	\$ -	\$ -	\$ -	-
30							
Transportation Equip Lt Duty Trucks							
31	341100						
32		Recurring Projects	\$ 1,676	\$ 142	\$ -	\$ 2,680	\$ 2,768
33		Investment Projects	-	-	-	-	-
34		Total QIP	\$ 1,676	\$ 142	\$ -	\$ 2,680	\$ 2,768
35							
Transportation Equip Hwy Duty Trucks							
36	341200						
37		Recurring Projects	\$ 5,738	\$ 466	\$ -	\$ 9,037	\$ 9,335
38		Investment Projects	-	-	-	-	-
39		Total QIP	\$ 5,738	\$ 466	\$ -	\$ 9,037	\$ 9,335
40							
Transportation Equip Autos							
41	341300						
42		Recurring Projects	\$ 1,056	\$ 125	\$ -	\$ 1,963	\$ 2,028
43		Investment Projects	-	-	-	-	-
44		Total QIP	\$ 1,056	\$ 125	\$ -	\$ 1,963	\$ 2,028
45							
Tools, Shop, Garage Equipment							
46	343000						
47		Recurring Projects	\$ -	\$ -	\$ -	\$ -	-
48		Investment Projects	-	-	-	-	-
49		Total QIP	\$ -	\$ -	\$ -	\$ -	-
50							
Transmission & Distribution Mains							
51	331001						

		EDI					
		8	9	10	11	12	
		=(1+2+3)X Depreciation Rate	=(4 x Prop Tax Rate) + (4 x Franchise Rate)				
Investment by Plant	Account Description	Depr Exp	Prop Tax & Franchise Fees	Operational Expenses	Total Before Revenue Tax	Total With Revenue Tax	
52	Recurring Projects	\$ 1,937	\$ 2,094	\$ -	\$ 18,472	\$ 19,081	
53	Investment Projects						
54	Total QIP	\$ 1,937	\$ 2,094	\$ -	\$ 18,472	\$ 19,081	
55							
56	333000						
57	Recurring Projects	\$ 5,980	\$ 9,435	\$ -	\$ 65,598	\$ 67,760	
58	Investment Projects						
59	Total	\$ 5,980	\$ 9,435	\$ -	\$ 65,598	\$ 67,760	
60							
61	334100						
62	Recurring Projects	\$ 39,515	\$ 7,147	\$ -	\$ 94,271	\$ 97,379	
63	Investment Projects						
64	Total	\$ 39,515	\$ 7,147	\$ -	\$ 94,271	\$ 97,379	
65							
66	334200						
67	Recurring Projects	\$ 8,053	\$ 3,985	\$ -	\$ 39,289	\$ 40,584	
68	Investment Projects						
69	Total	\$ 8,053	\$ 3,985	\$ -	\$ 39,289	\$ 40,584	
70							
71	335000						
72	Recurring Projects	\$ 609	\$ 358	\$ -	\$ 3,423	\$ 3,535	
73	Investment Projects						
74	Total	\$ 609	\$ 358	\$ -	\$ 3,423	\$ 3,535	
75							
76	Expense:						
77	Chamber of Commerce - ED Program:	\$ -	\$ -	\$ 40,000	\$ 40,000	\$ 41,318	
78	STEM Lab			5,000	5,000	5,165	
79							
80	Total	\$ -	\$ -	\$ 45,000	\$ 45,000	\$ 46,483	
81							
82	Total	\$ 64,565	\$ 23,752	\$ 45,000	\$ 279,734	\$ 288,955	
83							
84							

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

Line Number	Description	SEC Company Totals
1	Additions Subject to SEC:	
2	Plus: Cost of Removal less Salvage	\$ 11,054,912
3	Less: Contributions in Aid to Construction (CIAC)	67,036
4	Less: Deferred Income Taxes	-
5	Less: Accumulated Depreciation	(31,465)
6	Net Investment Supplied SEC Additions:	239,867
7		<u>\$ 10,913,547</u>
8	Pre-Tax Rate of Return:	9.45%
9	Pre-Tax Return on Additions:	<u>\$ 1,031,808</u>
10		
11	Depreciation Expense on SEC Additions:	432,984
12		
13	Operational Expenses Related to SEC	188,000
14		
15	Property and Franchise Taxes Associated with SEC:	<u>146,897</u>
16		
17	SEC Revenues:	<u>\$ 1,799,688</u>
18		
19	Revenue Taxes	3.19%
20	Total SEC Revenues with Revenue Taxes	<u>\$ 1,859,009</u>
21		
22	Volumetric and Metered Revenue as Per Docket No. 12-00049	<u>\$ 47,073,724</u>
23		
24	SEC Percentage to Apply to Bill:	<u>3.95%</u>
25		

SEC										
Line #	Investment by Plant Account	Account Description	1	2	3	4	5	B	C	6
Struct & Imp-T&D			Additions	Retirements	CIAC	Net Investments (for Prop Tax)	Cost of Removal Net of Salvage	Accumulated Deferred Income Taxes	Accumulated Depreciation	Earnings Basis Net Investment
1	304400		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2		Recurring Projects	9,273,077	-	-	9,273,077	-	15,422	(98,758)	9,189,741
3		Investment Projects	<u>9,273,077</u>	<u>-</u>	<u>-</u>	<u>9,273,077</u>	<u>-</u>	<u>15,422</u>	<u>(98,758)</u>	<u>9,189,741</u>
4		Total QIP								
5										
6	304500	Structures & Improvement - General								
7		Recurring Projects	\$ 203,538	\$ (45,068)	\$ -	\$ 158,471	\$ -	\$ (734)	\$ (1,691)	\$ 201,114
8		Investment Projects	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
9		Total QIP	<u>\$ 203,538</u>	<u>\$ (45,068)</u>	<u>\$ -</u>	<u>\$ 158,471</u>	<u>\$ -</u>	<u>\$ (734)</u>	<u>\$ (1,691)</u>	<u>\$ 201,114</u>
10										
11	311520	Pumping Equipment SOS								
12		Recurring Projects	\$ 281,802	\$ (9,481)	\$ -	\$ 272,321	\$ 3,882	\$ (225)	\$ (2,880)	\$ 282,579
13		Investment Projects	<u>281,802</u>	<u>(9,481)</u>	<u>-</u>	<u>272,321</u>	<u>3,882</u>	<u>(225)</u>	<u>(2,880)</u>	<u>282,579</u>
14		Total QIP								
15										
16	320200	Water Trmt Equip Filter Media								
17		Recurring Projects	\$ 772,526	\$ (127,771)	\$ -	\$ 644,755	\$ 63,154	\$ 46,574	\$ (128,207)	\$ 754,048
18		Investment Projects	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
19		Total QIP	<u>\$ 772,526</u>	<u>\$ (127,771)</u>	<u>\$ -</u>	<u>\$ 644,755</u>	<u>\$ 63,154</u>	<u>\$ 46,574</u>	<u>\$ (128,207)</u>	<u>\$ 754,048</u>
20										
21	340200	Computer & Peripheral Equipment								
22		Recurring Projects	\$ 523,969	\$ -	\$ -	\$ 523,969	\$ -	\$ (29,572)	\$ (8,331)	\$ 486,066
23		Investment Projects	<u>523,969</u>	<u>-</u>	<u>-</u>	<u>523,969</u>	<u>-</u>	<u>(29,572)</u>	<u>(8,331)</u>	<u>486,066</u>
24		Total QIP								
25										
26	340315	Computer Software Special Deprec Rate								
27		Recurring Projects	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
28		Investment Projects	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
29		Total QIP	<u>\$ -</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
30										
31	341100	Transportation Equip Lt Duty Trucks								
32		Recurring Projects	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
33		Investment Projects	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
34		Total QIP	<u>\$ -</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
35										
36	341200	Transportation Equip Hvy Duty Trucks								
37		Recurring Projects	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
38		Investment Projects	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
39		Total QIP	<u>\$ -</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
40										
41	341300	Transportation Equip Autos								
42		Recurring Projects	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
43		Investment Projects	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
44		Total QIP	<u>\$ -</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
45										
46	343000	Tools, Shop, Garage Equipment								
47		Recurring Projects	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
48		Investment Projects	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
49		Total QIP	<u>\$ -</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
50										
51	331001	Transmission & Distribution Mains								

SEC

SEC															
Investment by Plant		Account Description													
Line #	Account	Additions		Retirements		CIAC	Net Investments (for Prop Tax)		Cost of Removal Net of Salvage	Accumulated Deferred Income Taxes		Accumulated Depreciation	Earnings Basis Net Investment		
52	Recurring Projects	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-		
53	Investment Projects		-		-		-		-		-		-		
54	Total QIP	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-		
55															
56															
57	Recurring Projects	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-		
58	Investment Projects		-		-		-		-		-		-		
59	Total	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-		
60															
61															
62	Recurring Projects	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-		
63	Investment Projects		-		-		-		-		-		-		
64	Total	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-		
65															
66															
67	Recurring Projects	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-		
68	Investment Projects		-		-		-		-		-		-		
69	Total	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-		
70															
71															
72	Recurring Projects	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-		
73	Investment Projects		-		-		-		-		-		-		
74	Total	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-		
75															
76															
77	Expense:														
78	Chemical Expense for Wastewater handling:	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-		
79	Electric Power Expense for Wastewater handling:		-		-		-		-		-		-		
80	Hauling Expense for Wastewater handling:		-		-		-		-		-		-		
81	Total	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-		
82	Total	\$	11,054,912	\$	(182,320)	\$	-	\$	67,036	\$	31,465	\$	(239,867)	\$	10,913,547
= 1 + 3 + 5 +8															

SEC		7	8	9	10	11	12	
		= 6 x 9.4522%	=(1+2+3)x Depreciation Rate	= (4 x Prop Tax Rate) + (4 x Franchise Rate)		= 7 + 8 + 9 + 10	= 11 / (1 - 4.482%)	
Line #	Investment by Plant Account	Account Description Struct & Imp-T&D	Earnings Basis x PTR	Depr Exp	Prop Tax & Franchise Fees	Operational Expenses	Total Before Revenue Tax	Total With Revenue Tax
1	304400							
2		Recurring Projects	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
3		Investment Projects	868,833	197,517	125,286	-	1,191,635	1,230,914
4		Total QIP	868,833	197,517	125,286	-	1,191,635	1,230,914
5								
6	304500	Structures & Improvement - General						
7		Recurring Projects	\$ 19,014	\$ 1,791	\$ 2,141	\$ -	\$ 22,946	\$ 23,702
8		Investment Projects	-	-	-	-	-	-
9		Total QIP	19,014	1,791	2,141	-	22,946	23,702
10								
11	311520	Pumping Equipment SOS						
12		Recurring Projects	\$ 26,716	\$ 4,983	\$ 3,679	\$ -	\$ 35,379	\$ 36,545
13		Investment Projects	-	-	-	-	-	-
14		Total QIP	26,716	4,983	3,679	-	35,379	36,545
15								
16	320200	Water Trmt Equip Filter Media						
17		Recurring Projects	\$ 71,291	\$ 217,218	\$ 8,711	\$ -	\$ 297,219	\$ 307,016
18		Investment Projects	-	-	-	-	-	-
19		Total QIP	71,291	217,218	8,711	-	297,219	307,016
20								
21	340200	Computer & Peripheral Equipment						
22		Recurring Projects	\$ 45,955	\$ 11,475	\$ 7,079	\$ -	\$ 64,509	\$ 66,635
23		Investment Projects	-	-	-	-	-	-
24		Total QIP	45,955	11,475	7,079	-	64,509	66,635
25								
26	340315	Computer Software Special Deprec Rate						
27		Recurring Projects	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
28		Investment Projects	-	-	-	-	-	-
29		Total QIP	-	-	-	-	-	-
30								
31	341100	Transportation Equip Lt Duty Trucks						
32		Recurring Projects	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
33		Investment Projects	-	-	-	-	-	-
34		Total QIP	-	-	-	-	-	-
35								
36	341200	Transportation Equip Hvy Duty Trucks						
37		Recurring Projects	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
38		Investment Projects	-	-	-	-	-	-
39		Total QIP	-	-	-	-	-	-
40								
41	341300	Transportation Equip Autos						
42		Recurring Projects	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
43		Investment Projects	-	-	-	-	-	-
44		Total QIP	-	-	-	-	-	-
45								
46	343000	Tools, Shop, Garage Equipment						
47		Recurring Projects	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
48		Investment Projects	-	-	-	-	-	-
49		Total QIP	-	-	-	-	-	-
50								
51	331001	Transmission & Distribution Mains						

SEC		7	8	9	10	11	12	
		= 6 x 9.4522%	=(1+2+3)x Depreciation Rate	= (4 x Prop Tax Rate) + (4 x Franchise Rate)		= 7 + 8 + 9 + 10	= 11 / (1 - 4.482%)	
Line #	Investment by Plant Account	Account Description	Earnings Basis x PTR	Depr Exp	Prop Tax & Franchise Fees	Operational Expenses	Total Before Revenue Tax	Total With Revenue Tax
52	Recurring Projects		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
53	Investment Projects		-	-	-	-	-	-
54	Total QIP		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
55								
56	333000							
57	Recurring Projects		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
58	Investment Projects		-	-	-	-	-	-
59	Total		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
60								
61	334100							
62	Recurring Projects		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
63	Investment Projects		-	-	-	-	-	-
64	Total		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
65								
66	334200							
67	Recurring Projects		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
68	Investment Projects		-	-	-	-	-	-
69	Total		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
70								
71	335000							
72	Recurring Projects		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
73	Investment Projects		-	-	-	-	-	-
74	Total		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
75								
76	Expense:							
77	Chemical Expense for WasteWater handling:		\$ -	\$ -	\$ -	\$ 44,000	\$ 44,000	\$ 45,450
78	Electric Power Expense for Wastewater handling:		-	-	-	24,000	24,791	24,791
79	Hauling Expense for Wastewater handling:		-	-	-	120,000	120,000	123,955
80	Total		\$ -	\$ -	\$ -	\$ 188,000	\$ 188,000	\$ 194,197
81								
82	Total		\$ 1,031,808	\$ 432,984	\$ 146,897	\$ 188,000	\$ 1,799,688	\$ 1,859,009
83								
84								

TENNESSEE-AMERICAN WATER COMPANY

TRA NO. 19

First 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

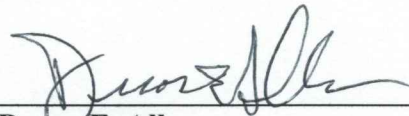
For the Riders defined in the tariffs :

QIIP	2.13 %	(I)
EDI	0.61 %	(I)
<u>SEC</u>	<u>3.95 %</u>	(I)
Subtotal of all Capital Recovery Riders	6.69 %	(I)
QIIP Annual Reconciliation Percentage	0.00 %	
EDI Annual Reconciliation Percentage	0.00 %	
<u>SEC Annual Reconciliation Percentage</u>	<u>0.00 %</u>	
Subtotal of all Reconciliation Percentages	0.00 %	
Total of Capital Recovery Riders and Reconciliation Percentages	6.69 %	
PCOP	-1.15 %	

ISSUED: October 29, 2014

EFFECTIVE: January 1, 2015

BY:


Deron E. Allen
PRESIDENT

109 Wiehl Street
Chattanooga, Tennessee 37403

TENNESSEE-AMERICAN WATER COMPANY

TRA NO. 19
First 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	2.13 %	(I)
EDI	0.61 %	(I)
<u>SEC</u>	<u>3.95 %</u>	(I)
Subtotal of all Capital Recovery Riders	6.69 %	(I)
QIIP Annual Reconciliation Percentage	0.00 %	
EDI Annual Reconciliation Percentage	0.00 %	
<u>SEC Annual Reconciliation Percentage</u>	<u>0.00 %</u>	
Subtotal of all Reconciliation Percentages	0.00 %	
Total of Capital Recovery Riders and Reconciliation Percentages	6.69 %	
PCOP	-1.15 %	

ISSUED: October 23, 2014

EFFECTIVE: January 1, 2015

BY:


Deron E. Allen
PRESIDENT

109 Wiehl Street
Chattanooga, Tennessee 37403

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 Linda C. Bridwell, 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 Regulatory Authority, and if present before the Authority and duly sworn, her testimony would be as set forth in her pre-filed testimony in this matter.

Linda C. Bridwell
Linda C. Bridwell

Sworn to and subscribed before me
this 21st day of October, 2014.

Debbie A. Stora
Notary Public

My Commission Expires: 10/3/2016

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 8th day of October, 2014, 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 Regulatory Authority's approved Alternative Regulatory Mechanism, the attached revised tariff sheet, documenting the 2015 Annual Percentage Rate Filing is submitted for approval; and

NOW THEREFORE BE IT,

RESOLVED, that the revised tariff sheet, documenting the 2015 Annual Percentage Rate Filing, 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.



Deron Allen 10.10.2014 6:57 AM



Nick Rowe 10.13.2014 4:55 PM



Martin Kerckhoff 10.16.2014 3:22 PM



Mark Shaeffer 10.14.2014 12:49 PM

TENNESSEE-AMERICAN WATER COMPANY

TRA NO. 19

First 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	2.13 %	(I)
EDI	0.61 %	(I)
<u>SEC</u>	<u>3.95 %</u>	(I)
Subtotal of all Capital Recovery Riders	6.69 %	(I)
QIIP Annual Reconciliation Percentage	0.00 %	
EDI Annual Reconciliation Percentage	0.00 %	
<u>SEC Annual Reconciliation Percentage</u>	<u>0.00 %</u>	
Subtotal of all Reconciliation Percentages	0.00 %	
Total of Capital Recovery Riders and Reconciliation Percentages	6.69 %	
PCOP	-1.15 %	

ISSUED: October 22, 2014

EFFECTIVE: January 1, 2015

BY:

Deron E. Allen
PRESIDENT

109 Wiehl Street
Chattanooga, Tennessee 37403

STRATEGIC CAPITAL EXPENDITURE PLAN

PROGRAM		2014													
Business Unit	Revision Date	Business Unit	Period 1	2	3	4	5	6	7	8	9	10			
Description	Business Unit	Project Title													
Tennessee	Tennessee	Business Unit	Period 1	2	3	4	5	6	7	8	9	10			
July 14, 2013	Tennessee	Business Unit	Period 1	2	3	4	5	6	7	8	9	10			
TN BP 2014-2018 SCEP	Tennessee	Business Unit	Period 1	2	3	4	5	6	7	8	9	10			
	Tennessee	Business Unit	Period 1	2	3	4	5	6	7	8	9	10			
	Tennessee	Business Unit	Period 1	2	3	4	5	6	7	8	9	10			
	Tennessee	Business Unit	Period 1	2	3	4	5	6	7	8	9	10			
	Tennessee	Business Unit	Period 1	2	3	4	5	6	7	8	9	10			
	Tennessee	Business Unit	Period 1	2	3	4	5	6	7	8	9	10			
	Tennessee	Business Unit	Period 1	2	3	4	5	6	7	8	9	10			
	Tennessee	Business Unit	Period 1	2	3	4	5	6	7	8	9	10			
	Tennessee	Business Unit	Period 1	2	3	4	5	6	7	8	9	10			
	Tennessee	Business Unit	Period 1	2	3	4	5	6	7	8	9	10			
	Tennessee	Business Unit	Period 1	2	3	4	5	6	7	8	9	10			
	Tennessee	Business Unit	Period 1	2	3	4	5	6	7	8	9	10			
	Tennessee	Business Unit	Period 1	2	3	4	5	6	7	8	9	10			
	Tennessee	Business Unit	Period 1	2	3	4	5	6	7	8	9	10			
	Tennessee	Business Unit	Period 1	2	3	4	5	6	7	8	9	10			
	Tennessee	Business Unit	Period 1	2	3	4	5	6	7	8	9	10			
	Tennessee	Business Unit	Period 1	2	3	4	5	6	7	8	9	10			
	Tennessee	Business Unit	Period 1	2	3	4	5	6	7	8	9	10			
	Tennessee	Business Unit	Period 1	2	3	4	5	6	7	8	9	10			
	Tennessee	Business Unit	Period 1	2	3	4	5	6	7	8	9	10			
	Tennessee	Business Unit	Period 1	2	3	4	5	6	7	8	9	10			
	Tennessee	Business Unit	Period 1	2	3	4	5	6	7	8	9	10			
	Tennessee	Business Unit	Period 1	2	3	4	5	6	7	8	9	10			
	Tennessee	Business Unit	Period 1	2	3	4	5	6	7	8	9	10			
	Tennessee	Business Unit	Period 1	2	3	4	5	6	7	8	9	10			
	Tennessee	Business Unit	Period 1	2	3	4	5	6	7	8	9	10			
	Tennessee	Business Unit	Period 1	2	3	4	5	6	7	8	9	10			
	Tennessee	Business Unit	Period 1	2	3	4	5	6	7	8	9	10			
	Tennessee	Business Unit	Period 1	2	3	4	5	6	7	8	9	10			
	Tennessee	Business Unit	Period 1	2	3	4	5	6	7	8	9	10			
	Tennessee	Business Unit	Period 1	2	3	4	5	6	7	8	9	10			
	Tennessee	Business Unit	Period 1	2	3	4	5	6	7	8	9	10			
	Tennessee	Business Unit	Period 1	2	3	4	5	6	7	8	9	10			
	Tennessee	Business Unit	Period 1	2	3	4	5	6	7	8	9	10			
	Tennessee	Business Unit	Period 1	2	3	4	5	6	7	8	9	10			
	Tennessee	Business Unit	Period 1	2	3	4	5	6	7	8	9	10			
	Tennessee	Business Unit	Period 1	2	3	4	5	6	7	8	9	10			
	Tennessee	Business Unit	Period 1	2	3	4	5	6	7	8	9	10			
	Tennessee	Business Unit	Period 1	2	3	4	5	6	7	8	9	10			
	Tennessee	Business Unit	Period 1	2	3	4	5	6	7	8	9	10			
	Tennessee	Business Unit	Period 1	2	3	4	5	6	7	8	9	10			
	Tennessee	Business Unit	Period 1	2	3	4	5	6	7	8	9	10			
	Tennessee	Business Unit	Period 1	2	3	4	5	6	7	8	9	10			
	Tennessee	Business Unit	Period 1	2	3	4	5	6	7	8	9	10			
	Tennessee	Business Unit	Period 1	2	3	4	5	6	7	8	9	10			
	Tennessee	Business Unit	Period 1	2	3	4	5	6	7	8	9	10			
	Tennessee	Business Unit	Period 1	2	3	4	5	6	7	8	9	10			
	Tennessee	Business Unit	Period 1	2	3	4	5	6	7	8	9	10			
	Tennessee	Business Unit	Period 1	2	3	4	5	6	7	8	9	10			
	Tennessee	Business Unit	Period 1	2	3	4	5	6	7	8	9	10			
	Tennessee	Business Unit	Period 1	2	3	4	5	6	7	8	9	10			
	Tennessee	Business Unit	Period 1	2	3	4	5	6	7	8	9	10			
	Tennessee	Business Unit	Period 1	2	3	4	5	6	7	8	9	10			
	Tennessee	Business Unit	Period 1	2	3	4	5	6	7	8	9	10			
	Tennessee	Business Unit	Period 1	2	3	4	5	6	7	8	9	10			
	Tennessee	Business Unit	Period 1	2	3	4	5	6	7	8	9	10			
	Tennessee	Business Unit	Period 1	2	3	4	5	6	7	8	9	10			
	Tennessee	Business Unit	Period 1	2	3	4	5	6	7	8	9	10			
	Tennessee	Business Unit	Period 1	2	3	4	5	6	7	8	9	10			
	Tennessee	Business Unit	Period 1	2	3	4	5	6	7	8	9	10			
	Tennessee	Business Unit	Period 1	2	3	4	5	6	7	8	9	10			
	Tennessee	Business Unit	Period 1	2	3	4	5	6	7	8	9	10			
	Tennessee	Business Unit	Period 1	2	3	4	5	6	7	8	9	10			
	Tennessee	Business Unit	Period 1	2	3	4	5	6	7	8	9	10			
	Tennessee	Business Unit	Period 1	2	3	4	5	6	7	8	9	10			
	Tennessee	Business Unit	Period 1	2	3	4	5	6	7	8	9	10			
	Tennessee	Business Unit	Period 1	2	3	4	5	6	7	8	9	10			
	Tennessee	Business Unit	Period 1	2	3	4	5	6	7	8	9	10			
	Tennessee	Business Unit	Period 1	2	3	4	5	6	7	8	9	10			
	Tennessee	Business Unit	Period 1	2	3	4	5	6	7	8	9	10			
	Tennessee	Business Unit	Period 1	2	3	4	5	6	7	8	9	10			
	Tennessee	Business Unit	Period 1	2	3	4	5	6	7	8	9	10			
	T														

STRATEGIC CAPITAL EXPENDITURE PLAN
PROGRAM

Business Unit Tennessee
Revision Date July 14, 2013
Description TN BP 2014-2018 SCEP

Business Unit	Business Unit No.	Project Title	11	12	Total	U.S. \$	Surcharge Category
Tennessee	DV	RECURRING PROJECTS					
Tennessee		Projects Funded by Others	\$	\$	\$	\$	
Tennessee	A	Mains - New	130,000	60,000	1,500,000		
Tennessee	B	Mains - Replaced / Restored		-	91,166	EDI	
Tennessee	C	Mains - Unscheduled	63,192	35,000	1,148,192	QIIP	
Tennessee	D	Mains - Relocated	62,000	50,000	800,000	QIIP	
Tennessee	E	Hydrants, Valves, and Manholes - New	3,000	-	250,000	QIIP	
Tennessee	F	Hydrants, Valves, and Manholes - Replaced	10,000	7,000	42,797	EDI	
Tennessee	G	Services and Laterals - New	62,710	55,930	365,034	QIIP	
Tennessee	H	Services and Laterals - Replaced	27,300	27,300	461,000	EDI	
Tennessee	I	Meters - New	40,000	40,000	246,000	QIIP	
Tennessee	J	Meters - Replaced	45,000	45,000	562,415	EDI	
Tennessee	K	ITS Equipment and Systems	10,000	5,000	663,078	QIIP	
Tennessee	L	SCADA Equipment and Systems	10,000	5,000	148,662	SEC	
Tennessee	M	Security Equipment and Systems	10,833	10,833	185,414	SEC	
Tennessee	N	Offices and Operations Centers	2,500	1,800	130,000	SEC	
Tennessee	O	Vehicles	50,000	41,000	23,000	EDI	
Tennessee	P	Tools and Equipment			382,293	EDI	
Tennessee	Q	Process Plant Facilities and Equipment	55,490	37,500	29,523	SEC	
Tennessee	R	Capitalized Tank Rehabilitation/Painting	65,000	30,000	797,990	SEC	
Tennessee	S	Engineering Studies			450,000	QIIP	
		Engineering Studies			65,554		
		Total Recurring Projects	-	-			
		ACQUISITIONS			\$ 6,842,118		
Tennessee		Total Acquisitions	-	-	-		
Tennessee	T26-0202	CENTRALLY SPONSORED PROJECTS					
Tennessee	T26-0203	Business Transformation 2010 - 2014	-	-	117,256		
		Business Transformation 2010 - 2014					
		Total Centrally Sponsored Projects	-	-	\$ 117,256		
Tennessee		INVESTMENT PROJECTS					
Tennessee	126-020016	Metershop Building Additions			-		
Tennessee	126-020017	Electrical Motor Efficiency Enhancement (\$2.9)			-		
Tennessee	126-020019	Interconnects Adjacent Water UD (\$0.6)			-		
Tennessee	112-020024	Install New Hill/City Pumps (\$0.7)		-	-	SEC	
Tennessee	126-020025	Install 5,700' of 16" East Braine (\$1.0)			-		
Tennessee	126-020026	5800'-16" Main in Navajo Dr. (\$1.0)			-		
Tennessee	126-020027	Construct 1.0MG Tank & 2500'-16" ER (\$1.0)			-		
Tennessee	126-020030	5933' of 20" Ringgold Rd. at I-75 (\$2.1)			-		
Tennessee	126-020031	Clito Plant Improvements Phase 1B (\$8.6)			-		
Tennessee	126-020032	Wastewater Treatmt & Handling Impr (\$4.5)	750,000	900,000	3,000,000	SEC	
Tennessee	126-020033	Convert ER Reservoir to Pump Storag (\$0.25)	350,000	125,000	2,000,000	SEC	
Tennessee	126-020034	3000'-24" Tennessee River Crossing (\$0.5)			-		
Tennessee	126-020035	Repl Lktout Mtn Pump #4 (\$0.9)			-	EDI	
Tennessee	126-020036	New Office Building			-	QIIP	
Tennessee	126-020022	Post Acquisition BD Capex	18,726	18,725	240,626		
Tennessee		IP Project Unbudgeted Capital			-		
Tennessee		Whitwell Acquisition Capital Investment	120,000	40,000	1,200,000	QIIP	
		Total Investment Projects	\$ 1,238,726	\$ 1,083,725	\$ 6,440,626		
		Total Investment and Centrally Sponsored Projects	\$ 1,238,726	\$ 1,083,725	\$ 6,557,882		
		Contributions	(60,000)	(60,000)	(1,000,000)		
		Advances	(30,000)	(20,000)	(400,000)		
		Total Refunds	40,000	35,000	500,000		
		Gross minus BT	\$ 1,328,726	\$ 1,143,725	\$ 14,782,744		
			(50,000)	(45,000)	(900,000)		
		Net minus BT	\$ 1,278,726	\$ 1,098,725	\$ 13,882,744		
		Gross plus BT	\$ 1,328,726	\$ 1,143,725	\$ 14,900,000		
			(50,000)	(45,000)	(900,000)		
		Net plus BT	\$ 1,278,726	\$ 1,098,725	\$ 14,000,000		

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 Descrip	Portion to Account	In-Service (Months)	Dep Rate	Cumulative Balance of In-Serviced Plant, from						
								1	2	3	4	5	6	7
1														
2	TN	DV	RECURRING PROJECTS											
3	TN	DV	Projects Funded by Others											
4	TN	DV		Transmission & Distribution Mains	95.5%	3	1.25%	\$ -	\$ -	\$ 73,217	\$ 175,083	\$ 302,417	\$ 455,217	\$ 620,750
5	TN			Services	2.3%	3	1.11%	-	-	1,763	4,217	7,283	10,963	14,950
6	TN			Hydrants	2.2%	3	2.30%	-	-	1,687	4,033	6,967	10,487	14,300
7	TN	A	Mains - New	Transmission & Distribution Mains	100.0%	3	1.25%	-	-	-	2,667	10,333	24,667	43,000
8	TN	B	Mains - Replaced / Restored	Transmission & Distribution Mains	96.8%	3	1.25%	8,067	30,653	77,440	156,093	269,427	422,693	584,027
9	TN	B		Services	2.9%	3	1.11%	242	918	2,320	4,688	8,072	12,663	17,497
10	TN	B		Hydrants	0.3%	3	2.30%	25	95	240	485	835	1,310	1,810
11	TN			Transmission & Distribution Mains	100.0%	3	1.25%	20,667	68,000	147,000	217,333	277,667	333,000	404,667
12	TN	C	Mains - Unscheduled	Transmission & Distribution Mains	100.0%	3	1.25%							
13	TN	D	Mains - Relocated	Transmission & Distribution Mains	96.2%	3	1.25%	-	-	3,207	12,827	35,273	76,960	131,473
14	TN	D		Services	0.5%	3	1.11%	-	-	17	67	183	400	683
15	TN	D		Hydrants	3.3%	3	0.023	-	-	110	440	1,210	2,640	4,510
16	TN			Transmission & Distribution Mains	58.7%	1	1.25%	-	-	2,348	5,870	8,805	11,621	13,969
17	TN	E	Hydrants, Valves, and Manholes - New	Hydrants	41.3%	1	2.30%	-	-	1,652	4,130	6,195	8,176	9,828
18	TN	E		Transmission & Distribution Mains	64.1%	1	1.25%	3,205	12,820	32,050	57,690	86,535	128,200	162,195
19	TN	F	Hydrants, Valves, and Manholes - Replaced	Hydrants	35.9%	1	2.30%	1,795	7,180	17,950	32,310	48,465	71,800	90,839
20	TN	F		Services	100.0%	1	1.11%	19,660	42,540	75,420	111,690	157,960	217,450	250,330
21	TN	G	Services and Laterals - New	Services	100.0%	1	1.11%	18,200	36,400	54,600	72,800	91,100	109,400	127,700
22	TN	H	Services and Laterals - Replaced	Services	100.0%	1	1.11%	25,680	51,360	82,176	115,560	152,796	190,042	220,601
23	TN	I	Meters - New	Meters	64.2%	1	7.47%	14,320	28,640	45,824	64,440	85,204	105,973	123,014
24	TN	I		Meter Installations	35.8%	1	2.73%	-	-	-	-	-	-	-
25	TN	J	Meters - Replaced	Meters	72.5%	1	7.47%	32,625	65,250	109,029	152,008	196,587	240,367	284,146
26	TN	J		Meter Installations	27.5%	1	2.73%	12,375	24,750	41,356	57,962	74,568	91,174	107,779
27	TN	K	ITS Equipment and Systems	Computer & Peripheral Equipment	100.0%	1	2.19%	-	5,000	15,000	30,000	40,000	45,000	60,000
28	TN	L	SCADA Equipment and Systems	Computer & Peripheral Equipment	100.0%	1	2.19%	5,000	15,000	30,000	55,000	75,000	90,000	105,414
29	TN	M	Security Equipment and Systems	Structures & Improvement - General	100.0%	1	1.13%	10,833	21,667	32,500	43,333	54,167	65,000	75,833
30	TN	N	Offices and Operations Centers	Structures & Improvement - General	100.0%	1	1.13%	-	-	-	-	-	1,200	3,700
31	TN	O	Vehicles	Transportation Equip Lt Duty Trucks	19.3%	1	16.00%	-	-	-	-	-	5,790	17,370
32	TN	O		Transportation Equip Hwy Duty Trucks	63.6%	1	16.62%	-	-	-	-	-	19,080	57,240
33	TN	O		Transportation Equip Autos	17.1%	1	11.38%	-	-	-	-	-	5,130	15,390

Tennessee American Water Company
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STRATEGIC CAPITAL EXPENDITURE PLAN
PROGRAM

Business Unit Tennessee
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Description TN BP 2014-2018 SCEP

Line #	Business Unit No.	Project Title	Account	Account Descrip	Portion to Account	In-Service (Months)	Dep Rate	Cumulative Balance of In-Serviced Plant, from						
								1	2	3	4	5	6	7
46	TN	P Tools and Equipment	343000	Tools, Shop, Garage Equipment	100.0%	1	6.89%	-	-	-	-	3,360	10,360	20,360
47	TN	Q Process Plant Facilities and Equipment	320200	Water Trmt Equip Filter Media	57.6%	1	33.69%	21,616	43,232	43,232	86,465	43,232	86,465	48,997
49	TN	Q Pumping Equipment SOS	311520	Pumping Equipment SOS	21.0%	1	1.83%	7,885	15,770	15,770	31,541	15,770	31,541	17,873
50	TN	Q Computer & Peripheral Equipment	304200	Computer & Peripheral Equipment	21.3%	1	1.98%	7,999	15,998	15,998	31,995	15,998	31,995	18,131
51	TN	R Capitalized Tank Rehabilitation/Painting	330003	Tank Repainting	100.0%	1	11.08%	10,000	60,000	180,000	250,000	270,000	275,000	280,000
53	TN	S Engineering Studies	331001	Transmission & Distribution Mains	100.0%	1	1.25%	10,000	25,554	40,554	50,554	60,554	65,554	65,554
55		Total Recurring Projects												
57		ACQUISITIONS												
58														
59														
60		Total Acquisitions												
61		CENTRALLY SPONSORED PROJECTS												
62	TN	Business Transformation 2010 - 2014	340315	Computer Software Special Deprec Rate		1	10.00%	39,782	78,557	117,256	117,256	117,256	117,256	117,256
63	TN	Business Transformation 2010 - 2014	340315	Computer Software Special Deprec Rate		1	10.00%	-	-	-	-	-	-	-
64		Total Centrally Sponsored Projects												
65		INVESTMENT PROJECTS												
66	TN	Meter shop Building Additions												
67	TN	Electrical Motor Efficiency Enhancement (\$2.9)												
68	TN	Interconnects Adjacent Water UD (\$0.6)												
69	TN	Install New Hill City Pumps (\$0.7)												
70	TN	Install 5,700' of 16" East Braine (\$1.0)												
71	TN	5800'-16" Main in Navajo Dr. (\$1.0)												
72	TN	Construct 1.0MG Tank & 2500'-16" ER (\$1.0)												
73	TN	5933 lf of 20" Ringgold Rd. at I-75 (\$2.1)												
74	TN	Citico Plant Improvements Phase 1B (\$8.6)												
75	TN	Wastewater Treatment & Handling Impr (\$4.5)												
76	TN	Convert ER Reservoir to Pump Storage (\$0.25)												
77	TN	3000'-24" Tennessee River Crossing (\$0.5)												
78	TN	Repl Ltout Mtn Pump #4 (\$0.9)												
79	TN	New Office Building												
80	TN	Post Acquisition BD Capex												
81	TN	IP Project Unbudgeted Capital												
82	TN	Whitwell Acquisition Capital Investment												
83	TN		331001	Transmission & Distribution Mains	85.0%	12/31/2014	1.25%	17,000	51,000	85,000	136,000	204,000	306,000	433,500
84	TN		320200	Water Trmt Equip Filter Media	6.0%	12/31/2014	33.69%	1,200	3,600	6,000	9,600	14,400	21,600	30,600
85	TN		311520	Pumping Equipment SOS	4.5%	12/31/2014	1.83%	900	2,700	4,500	7,200	10,800	16,200	22,950
86	TN		304200	Computer & Peripheral Equipment	4.5%	12/31/2014	1.98%	900	2,700	4,500	7,200	10,800	16,200	22,950
87						12/31/2014								
88		Total DV Included:												
89														
90		Total DV Excluded:												
91														
92		Total Surcharge Amt:												
93		SEC Total:												
94														
95		EDI Total:												
96														
97		QIIP Total:												
98														

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STRATEGIC CAPITAL EXPENDITURE PLAN
PROGRAM

Business Unit Tennessee
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1 2014 Capex, by Period

Line #	Business Unit No.	Project Title	Account	Account Descrip	8	9	10	11	12	Surcharge
1		RECURRING PROJECTS								
2	TN	DV	331001	Transmission & Distribution Mains	\$ 786,283	\$ 945,450	\$ 1,091,883	\$ 1,216,033	\$ 1,308,350	
3	TN	DV	333000	Services	18,937	22,770	26,297	29,287	31,510	
4	TN	DV	335000	Hydrants	18,113	21,780	25,153	28,013	30,140	
5										
6	TN	A	331001	Transmission & Distribution Mains	61,333	76,333	85,722	90,111	91,166	EDI
7										
8	TN	B	331001	Transmission & Distribution Mains	729,227	842,160	932,507	1,010,977	1,068,473	QIIP
9	TN	B	333000	Services	21,847	25,230	27,937	30,288	32,010	QIIP
10	TN	B	335000	Hydrants	2,260	2,610	2,890	3,133	3,311	QIIP
11										
12	TN	C	331001	Transmission & Distribution Mains	486,333	561,333	628,000	688,667	746,000	QIIP
13										
14	TN	D	331001	Transmission & Distribution Mains	185,987	221,260	237,393	240,500	240,500	QIIP
15	TN	D	333000	Services	967	1,150	1,233	1,250	1,250	QIIP
16	TN	D	335000	Hydrants	6,380	7,590	8,140	8,250	8,250	QIIP
17										
18	TN	E	331001	Transmission & Distribution Mains	16,904	20,426	23,361	25,122	25,122	EDI
19	TN	E	335000	Hydrants	11,893	14,371	16,436	17,675	17,675	EDI
20										
21	TN	F	331001	Transmission & Distribution Mains	187,835	207,065	223,090	229,500	233,987	QIIP
22	TN	F	335000	Hydrants	105,199	115,969	124,944	128,534	131,047	QIIP
23										
24	TN	G	333000	Services	279,820	306,090	342,360	405,070	461,000	EDI
25										
26	TN	H	333000	Services	145,900	164,100	191,400	218,700	246,000	QIIP
27										
28	TN	I	334100	Meters	251,288	280,820	309,710	335,390	361,070	EDI
29	TN	I	334200	Meter Installations	140,127	156,595	172,705	187,025	201,345	EDI
30										
31	TN	J	334100	Meters	327,925	371,703	415,482	448,107	480,732	QIIP
32	TN	J	334200	Meter Installations	124,585	140,991	157,596	169,971	182,346	QIIP
33										
34	TN	K	340200	Computer & Peripheral Equipment	80,000	108,662	133,662	143,662	148,662	
35										
36	TN	L	340200	Computer & Peripheral Equipment	125,414	150,414	170,414	180,414	185,414	SEC
37										
38	TN	M	304500	Structures & Improvement - General	86,667	97,500	108,333	119,167	130,000	SEC
39										
40	TN	N	304500	Structures & Improvement - General	8,700	13,700	18,700	21,200	23,000	
41										
42	TN	O	341100	Transportation Equip Lt Duty Trucks	25,090	4,825	25,340	9,650	17,563	EDI
43	TN	O	341200	Transportation Equip Hwy Duty Trucks	82,680	15,900	83,502	31,800	57,876	EDI
44	TN	O	341300	Transportation Equip Autos	22,230	4,275	22,451	8,550	15,561	EDI
45										

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STRATEGIC CAPITAL EXPENDITURE PLAN
PROGRAM

Business Unit Tennessee
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1 2014 Capex, by Period

Line #	Business Unit No.	Project Title	Account	Account Descrip	8	9	10	11	12	Surcharge
46	TN	P Tools and Equipment	343000	Tools, Shop, Garage Equipment	25,360	27,860	29,523	29,523	29,523	
47	TN	Q Process Plant Facilities and Equipment	320200	Water Trmt Equip Filter Media	97,993	48,997	92,229	31,986	53,602	SEC
49	TN	Q	311520	Pumping Equipment SOS	35,746	17,873	33,643	11,668	19,553	SEC
50	TN	Q	304200	Computer & Peripheral Equipment	36,261	18,131	34,128	11,836	19,835	SEC
51										
52	TN	R Capitalized Tank Rehabilitation/Painting	330003	Tank Repainting	295,000	315,000	355,000	420,000	450,000	QIIP
53										
54	TN	S Engineering Studies	331001	Transmission & Distribution Mains	65,554	65,554	65,554	65,554	65,554	
55		Total Recurring Projects								
56										
57		ACQUISITIONS								
58										
59										
60		Total Acquisitions								
61										
62	TN	T26-0202	340315	Computer Software Special Deprec Rate	117,256	117,256	117,256	117,256	117,256	
63	TN	T26-0203	340315	Computer Software Special Deprec Rate	-	-	-	-	-	
64		Total Centrally Sponsored Projects								
65										
66		INVESTMENT PROJECTS								
67	TN	T26-020016		Meter shop Building Additions						
68	TN	T26-020017		Electrical Motor Efficiency Enhancement (\$2.9)						
69	TN	T26-020019		Interconnects Adjacent Water UD (\$0.6)						
70	TN	T12-020024		Install New Hill City Pumps (\$0.7)						
71	TN	T26-020025		Install 5,700' of 16" - East Braine (\$1.0)						
72	TN	T26-020026		5800' -16" Main in Navajo Dr. (\$1.0)						
73	TN	T26-020027		Construct 1.0MG Tank & 2500-16" ER (\$1.0)						
74	TN	T26-020030		5933 lf of 20" Ringgold Rd. at I-75 (\$2.1)						
75	TN	T26-020028		Citico Plant Improvements Phase 1B (\$8.6)						
76	TN	T26-020032		Wastewater Treatmnt & Handling Impr (\$4.5)						
77	TN	T26-020033		Convert ER Reservoir to Pump Storg (\$0.25)						
78	TN	T26-020034		3000'-24" Tennessee River Crossing (\$0.5)						
79	TN	T26-020035		Repl Ltout Mtn Pump #4 (\$0.9)						
80	TN	T26-020036		New Office Building						
81	TN	T26-020022		Post Acquisition BD Capex						
82				IP Project Unbudgeted Capital						
83	TN	T26-000001	331001	Transmission & Distribution Mains	586,500	756,500	884,000	986,000	1,020,000	QIIP
84	TN	T26-000001	320200	Water Trmt Equip Filter Media	41,400	53,400	62,400	69,600	72,000	QIIP
85	TN	T26-000001	311520	Pumping Equipment SOS	31,050	40,050	46,800	52,200	54,000	QIIP
86	TN	T26-000001	304200	Computer & Peripheral Equipment	31,050	40,050	46,800	52,200	54,000	QIIP
87										
88		Total DV Included:								
89										
90		Total DV Excluded:								
91										
92		Total Surcharge Amt:								
93										
94		SEC Total:								
95										
96		EDI Total:								
97										
98		QIIP Total:								

STRATEGIC CAPITAL EXPENDITURE PLAN
PROGRAM

Business Unit Tennessee
Revision Date July 14, 2013
Description TN BP 2014-2018 SSCP

Amounts for Surcharge

Line #	Business Unit No.	Project Title	Account	Account Descrip	Average Plant in Service	Average Retires (Replacement Projects Only)	Average CIAC	Depreciation Expense	Cost of Removal Less Salvage	Tax Depr class life	Tax Depr Rate	Tax Depreciation	Tax over Book Depreciation	Tax Rate
1														
2	TN	DV	RECURRING PROJECTS											
3	TN	DV	Projects Funded by Others											
4	TN	DV		Transmission & Distribution Mains Services Hydrants	\$ 581,224 13,998 13,389			\$ 7,265 \$ 155 \$ 308		25 yr	0.02	11,624	4,359	0.39225
5										25 yr	0.02	280	125	0.39225
6	TN	A	Mains - New	Transmission & Distribution Mains	40,444			\$ 506		25 yr	0.02	809	303	0.39225
7														
8	TN	B	Mains - Replaced / Restored	Transmission & Distribution Mains Services Hydrants	511,012 15,309 1,584	(13,703) (1,317) (39)		\$ 6,216 \$ 155 \$ 36	16,358 1,572 47	25 yr	0.02	10,220	4,004	0.39225
9	TN	B								25 yr	0.02	306	151	0.39225
10	TN	B								25 yr	0.02	32	(4)	0.39225
11														
12	TN	C	Mains - Unscheduled	Transmission & Distribution Mains	381,556			\$ 4,769		25 yr	0.02	7,631	2,862	0.39225
13														
14	TN	D	Mains - Relocated	Transmission & Distribution Mains Services Hydrants	115,440 600 3,960			\$ 1,443 \$ 7 \$ 91		25 yr	0.02	2,309	866	0.39225
15	TN	D								25 yr	0.02	12	5	0.39225
16	TN	D								25 yr	0.02	79	(12)	0.39225
17														
18	TN	E	Hydrants, Valves, and Manholes - New	Transmission & Distribution Mains Hydrants	12,796 9,003			\$ 160 \$ 207		25 yr	0.02	256	96	0.39225
19	TN	E								25 yr	0.02	180	(27)	0.39225
20														
21	TN	F	Hydrants, Valves, and Manholes - Replaced	Transmission & Distribution Mains Hydrants	130,348 73,003	(3,495) (1,798)		\$ 1,586 \$ 1,638	4,173 2,146	25 yr	0.02	2,607	1,021	0.39225
22	TN	F								25 yr	0.02	1,460	(178)	0.39225
23														
24	TN	G	Services and Laterals - New	Services	222,449		(53,204)	\$ 1,879		25 yr	0.02	3,385	1,506	0.39225
25														
26	TN	H	Services and Laterals - Replaced	Services	123,025	(10,583)		\$ 1,248	12,633	25 yr	0.02	2,461	1,212	0.39225
27														
28	TN	I	Meters - New	Meters	198,041			\$ 14,794		25 yr	0.02	3,961	(10,833)	0.39225
29	TN	I		Meter Installations	110,434			\$ 3,015		25 yr	0.02	2,209	(806)	0.39225
30														
31	TN	J	Meters - Replaced	Meters	260,397	(2,515)		\$ 19,264	3,002	25 yr	0.02	5,208	(14,056)	0.39225
32	TN	J		Meter Installations	98,771	(48,400)		\$ 1,375	57,779	25 yr	0.02	1,975	600	0.39225
33														
34	TN	K	ITS Equipment and Systems	Computer & Peripheral Equipment	67,471			\$ 1,478		5 yr	0.2	13,494	12,017	0.39225
35														
36	TN	L	SCADA Equipment and Systems	Computer & Peripheral Equipment	98,957			\$ 2,167		5 yr	0.2	19,791	17,624	0.39225
37														
38	TN	M	Security Equipment and Systems	Structures & Improvement - General	70,417			\$ 796		39 yr	0.02564	1,805	1,010	0.39225
39														
40	TN	N	Offices and Operations Centers	Structures & Improvement - General	7,517			\$ 85		39 yr	0.02564	193	108	0.39225
41														
42	TN	O	Vehicles	Transportation Equip Lt Duty Trucks	2,201			\$ 352		5 yr	0.2	440	88	0.39225
43	TN	O		Transportation Equip Hwy Duty Trucks	7,252			\$ 1,205		5 yr	0.2	1,450	245	0.39225
44	TN	O		Transportation Equip Autos	1,950			\$ 222		5 yr	0.2	390	168	0.39225
45														

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 July 14, 2013
Description TN BP 2014-2018 SSCP

Line #	Business Unit No.	Project Title	Account	Account Descrip	Average Plant in Service	Average Retires (Replacement Projects Only)	Average CIAC	Depreciation Expense	Cost of Removal Less Salvage	Tax Depr class life	Tax Depr Rate	Tax Depreciation	Tax over Book Depreciation	Tax Rate
46	TN	P Tools and Equipment	343000	Tools, Shop, Garage Equipment	14,656			\$ 1,010		25 yr	0.02	293	(717)	0.39225
47														
48	TN	Q Process Plant Facilities and Equipment	320200	Water Trmt Equip Filter Media	58,170			\$ 19,598		25 yr	0.02	1,163	(18,434)	0.39225
49	TN	Q Pumping Equipment SOS	311520	Pumping Equipment SOS	21,219			\$ 388		25 yr	0.02	424	36	0.39225
50	TN	Q Computer & Peripheral Equipment	304200	Computer & Peripheral Equipment	21,525			\$ 426		5 yr	0.2	4,305	3,879	0.39225
51														
52	TN	R Capitalized Tank Rehabilitation/Painting	330003	Tank Repainting	263,333			\$ 29,177		25 yr	0.02	5,267	(23,911)	0.39225
53														
54	TN	S Engineering Studies	331001	Transmission & Distribution Mains	53,841			\$ 673		25 yr	0.02	1,077	404	0.39225
55		Total Recurring Projects												
56														
57		ACQUISITIONS												
58														
59		Total Acquisitions												
60														
61		CENTRALLY SPONSORED PROJECTS												
62	TN	T26-0202 Business Transformation 2010 - 2014	340315	Computer Software Special Deprec Rate	107,575			\$ 10,757		3 yr	0.3333	35,855	25,097	0.39225
63	TN	T26-0203 Business Transformation 2010 - 2014	340315	Computer Software Special Deprec Rate										
64		Total Centrally Sponsored Projects												
65														
66		INVESTMENT PROJECTS												
67	TN	T26-020016 Meter Shop Building Additions												
68	TN	T26-020017 Electrical Motor Efficiency Enhancement (\$2.9)						\$ -						
69	TN	T26-020019 Interconnects Adjacent Water UD (\$0.6)												
70	TN	T12-020024 Install New Hill City Pumps (\$0.7)												
71	TN	T26-020025 Install 5,700' of 16"- East Braine (\$1.0)												
72	TN	T26-020026 5800'-16" Main in Navajo Dr. (\$1.0)												
73	TN	T26-020027 Construct 1.0MG Tank & 2500'-16" ER (\$1.0)												
74	TN	T26-020030 5933 lf of 20" Ringgold Rd. at I-75 (\$2.1)												
75	TN	T26-020028 Chico Plant Improvements Phase 1B (\$8.6)						\$ -						
76	TN	T26-020032 Wastewater Treatmnt & Handling Impr (\$4.5)						\$ -						
77	TN	T26-020033 Convert ER Reservoir to Pump Storag (\$0.25)						\$ -						
78	TN	T26-020034 3000'-24" Tennessee River Crossing (\$0.5)						\$ -						
79	TN	T26-020035 Repl Lktout Mtn Pump #4 (\$0.9)												
80	TN	T26-020036 New Office Building												
81	TN	T26-020022 Post Acquisition BB Capex												
82		IP Project Unbudgeted Capital												
83	TN	T26-000001 Whitwell Acquisition Capital Investment	331001	Transmission & Distribution Mains	455,458			\$ 5,693		25 yr	0.02	9,109	3,416	0.39225
84	TN	T26-000001 Water Trmt Equip Filter Media	320200	Water Trmt Equip Filter Media	32,150			\$ 10,831		25 yr	0.02	643	(10,188)	0.39225
85	TN	T26-000001 Pumping Equipment SOS	311520	Pumping Equipment SOS	24,113			\$ 441		25 yr	0.02	482	41	0.39225
86	TN	T26-000001 Computer & peripheral Equipment	304200	Computer & peripheral Equipment	24,113			\$ 477		5 yr	0.2	4,823	4,345	0.39225
87														
88		Total DV included:			\$ 4,248,698	\$ (81,849)	\$ (53,204)	\$ 151,894	\$ 97,710			\$ 158,277	\$ 6,383	
89														
90		Total DV Excluded:			\$ 3,640,087	\$ (81,849)	\$ (53,204)	\$ 144,165	\$ 97,710			\$ 146,105	\$ 1,939	
91														
92		Total Surcharge Amt:			\$ 3,389,028	\$ (81,849)	\$ (53,204)	\$ 130,162	\$ 97,710			\$ 95,193	\$ (34,969)	
93														
94		SEC Total:			\$ 270,289	\$ -	\$ -	\$ 23,375	\$ -			\$ 27,490	\$ 4,115	
95														
96		EDI Total:			\$ 604,569	\$ -	\$ (53,204)	\$ 22,339	\$ -			\$ 13,080	\$ (9,259)	
97														
98		QIIP Total:			\$ 2,514,170	\$ (81,849)	\$ -	\$ 84,448	\$ 97,710			\$ 54,624	\$ (29,825)	

Tennessee American Water Company
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STRATEGIC CAPITAL EXPENDITURE PLAN
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Business Unit Tennessee
Revision Date July 14, 2013
Description TN BP 2014-2018 SCEP

Line #	Business Unit No.	Project Title	Account	Account Descrip	Depreciation Deferred Tax (DTL/DTA)	NOTES	Accum Dep
1		RECURRING PROJECTS					
2	TN	DV	331001	Transmission & Distribution Mains	(1,710)	This should be zero if related to non-taxable CIAC	\$ (3,633)
3	TN	DV	333000	Services	(49)	This should be zero if related to non-taxable CIAC	\$ (78)
4	TN	DV	335000	Hydrants	16	This should be zero if related to non-taxable CIAC	\$ (154)
5							
6	TN	A	331001	Transmission & Distribution Mains	(119)		\$ (253)
7							
8	TN	B	331001	Transmission & Distribution Mains	(1,571)		\$ (3,108)
9	TN	B	333000	Services	(59)		\$ (78)
10	TN	B	335000	Hydrants	2		\$ (18)
11							
12	TN	C	331001	Transmission & Distribution Mains	(1,122)		\$ (2,385)
13							
14	TN	D	331001	Transmission & Distribution Mains	(340)		\$ (722)
15	TN	D	333000	Services	(2)		\$ (3)
16	TN	D	335000	Hydrants	5		\$ (46)
17							
18	TN	E	331001	Transmission & Distribution Mains	(38)		\$ (80)
19	TN	E	335000	Hydrants	11		\$ (104)
20							
21	TN	F	331001	Transmission & Distribution Mains	(401)		\$ (793)
22	TN	F	335000	Hydrants	70		\$ (819)
23							
24	TN	G	333000	Services	(591)		\$ (939)
25							
26	TN	H	333000	Services	(476)		\$ (624)
27							
28	TN	I	334100	Meters	4,249		\$ (7,397)
29	TN	I	334200	Meter Installations	316		\$ (1,507)
30							
31	TN	J	334100	Meters	5,513		\$ (9,632)
32	TN	J	334200	Meter Installations	(235)		\$ (688)
33							
34	TN	K	340200	Computer & Peripheral Equipment	(4,713)		\$ (739)
35							
36	TN	L	340200	Computer & Peripheral Equipment	(6,913)		\$ (1,084)
37							
38	TN	M	304500	Structures & Improvement - General	(396)		\$ (398)
39							
40	TN	N	304500	Structures & Improvement - General	(42)		\$ (42)
41							
42	TN	O	341100	Transportation Equip Lt Duty Trucks	(35)		\$ (176)
43	TN	O	341200	Transportation Equip Hwy Duty Trucks	(96)		\$ (603)
44	TN	O	341300	Transportation Equip Autos	(66)		\$ (111)
45							

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 Descrip	Depreciation Deferred Tax (DTL/DTA)	Accum Dep	NOTES
46	TN	P Tools and Equipment	343000	Tools, Shop, Garage Equipment	281	\$ (505)	
47	TN	Q Process Plant Facilities and Equipment	320200	Water Trmt Equip Filter Media	7,231	\$ (9,799)	
49	TN	Q	311520	Pumping Equipment SOS	(14)	\$ (194)	
50	TN	Q	304200	Computer & Peripheral Equipment	(1,521)	\$ (213)	
51	TN						
52	TN	R Capitalized Tank Rehabilitation/Painting	330003	Tank Repainting	9,379	\$ (14,589)	
53	TN	S Engineering Studies	331001	Transmission & Distribution Mains	(158)	\$ (337)	
54	TN	S					
55	TN	Total Recurring Projects					
56	TN						
57	TN	ACQUISITIONS					
58	TN						
59	TN						
60	TN	Total Acquisitions					
61	TN	CENTRALLY SPONSORED PROJECTS					
62	TN	Business Transformation 2010 - 2014	340315	Computer Software Special Deprec Rate	(9,844)	\$ (5,379)	
63	TN	Business Transformation 2010 - 2014	340315	Computer Software Special Deprec Rate			
64	TN	Total Centrally Sponsored Projects					
65	TN						
66	TN	INVESTMENT PROJECTS					
67	TN	Meter shop Building Additions					
68	TN	Electrical Motor Efficiency Enhancement (\$2.9)					
69	TN	Interconnects Adjacent Water UD (\$0.6)					
70	TN	Install New Hill City Pumps (\$0.7)					
71	TN	122-020024					
72	TN	126-020025					
73	TN	126-020026					
74	TN	126-020027					
75	TN	126-020030					
76	TN	126-020028					
77	TN	126-020032					
78	TN	126-020033					
79	TN	126-020034					
80	TN	126-020035					
81	TN	126-020036					
82	TN	126-020022					
83	TN	126-000001	331001	Transmission & Distribution Mains	(1,340)	\$ (2,847)	
84	TN	126-000001	320200	Water Trmt Equip Filter Media	3,996	\$ (5,416)	
85	TN	126-000001	311520	Pumping Equipment SOS	(16)	\$ (221)	
86	TN	126-000001	304200	Computer & Peripheral Equipment	(1,704)	\$ (239)	
87	TN						
88	TN	Total DV Included:			\$ (2,504)		
89	TN						
90	TN	Total DV Excluded:			\$ (761)		
91	TN						
92	TN	Total Surcharge Amt:			\$ 13,717		
93	TN						
94	TN	SEC Total:			\$ (1,614)		
95	TN						
96	TN	EDI Total:			\$ 3,652		
97	TN						
98	TN	QIIP Total:			\$ 11,699		

See note under DV above

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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 Descr	Portion to Account	In-Service (Months)	Dep Rate	Prior Year 11 Spend	Prior Year 12 Spend	2014 SCEP Reforecast	Prior 2014 SCEP
1		RECURRING PROJECTS									
2	TN DV	Projects Funded by Others	331001	Transmission & Distribution Mains	95.5%	3	1.25%	85,950	57,300		\$ 1,308,350
3	TN DV		333000	Services	2.3%	3	1.11%	2,070	1,380		31,510
4	TN DV		335000	Hydrants	2.2%	3	2.30%	1,980	1,320		30,140
5											
6	TN A	Mains - New	331001	Transmission & Distribution Mains	100.0%	3	1.25%	0	0		91,166
7											
8	TN B	Mains - Replaced / Restored	331001	Transmission & Distribution Mains	96.8%	3	1.25%	61,170	33,880		1,068,473
9	TN B		333000	Services	2.9%	3	1.11%	1,833	1,015		32,010
10	TN B		335000	Hydrants	0.3%	3	2.30%	190	105		3,311
11											
12	TN C	Mains - Unscheduled	331001	Transmission & Distribution Mains	100.0%	3	1.25%	62,000	50,000		746,000
13											
14	TN D	Mains - Relocated	331001	Transmission & Distribution Mains	96.2%	3	1.25%	-	-		240,500
15	TN D		333000	Services	0.5%	3	1.11%	-	-		1,250
16	TN D		335000	Hydrants	3.3%	3	2.30%	-	-		8,250
17											
18	TN E	Hydrants, Valves, and Manholes - New	331001	Transmission & Distribution Mains	58.7%	1	1.25%				25,122
19	TN E		335000	Hydrants	41.3%	1	2.30%				17,675
20											
21	TN F	Hydrants, Valves, and Manholes - Replaced	331001	Transmission & Distribution Mains	64.1%	1	1.25%				233,987
22	TN F		335000	Hydrants	35.9%	1	2.30%				131,047
23											
24	TN G	Services and Laterals - New	333000	Services	100.0%	1	1.11%				461,000
25											
26	TN H	Services and Laterals - Replaced	333000	Services	100.0%	1	1.11%				246,000
27											
28	TN I	Meters - New	334100	Meters	64.2%	1	7.47%				361,070
29	TN I		334200	Meter Installations	35.8%	1	2.73%				201,345
30											
31	TN J	Meters - Replaced	334100	Meters	72.5%	1	7.47%				480,732
32	TN J		334200	Meter Installations	27.5%	1	2.73%				182,346
33											
34	TN K	ITS Equipment and Systems	340200	Computer & Peripheral Equipment	100.0%	1	2.19%				148,662
35											
36	TN L	SCADA Equipment and Systems	340200	Computer & Peripheral Equipment	100.0%	1	2.19%				185,414
37											
38	TN M	Security Equipment and Systems	304500	Structures & Improvement - General	100.0%	1	1.13%				130,000
39											
40	TN N	Offices and Operations Centers	304500	Structures & Improvement - General	100.0%	1	1.13%				23,000
41											
42	TN O	Vehicles	341100	Transportation Equip.Lt Duty Trucks	19.3%	1	16.00%				17,563
43	TN O		341200	Transportation Equip.Hvy Duty Trucks	63.6%	1	16.62%				57,876
44	TN O		341300	Transportation Equip Autos	17.1%	1	11.38%				15,561
45											
46	TN P	Tools and Equipment	343000	Tools, Shop, Garage Equipment	100.0%	1	6.89%				29,523
47											
48	TN Q	Process Plant Facilities and Equipment	320200	Water Trmt Equip Filter Media	57.6%	1	33.69%				53,602
49	TN Q		311520	Pumping Equipment SOS	21.0%	1	1.83%				19,553
50	TN Q		340200	Computer & Peripheral Equipment	21.3%	1	2.19%				19,835
51											
52	TN R	Capitalized Tank Rehabilitation/Painting	330003	Tank Repainting	100.0%	1	11.08%				450,000
53											

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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 Descrip	Portion to Account	In-Service (Months)	Dep Rate	Prior Year 11 Spend	Prior Year 12 Spend	2014 SCEP Reforecast	Prior 2014 SCEP
54	TN	Engineering Studies	331001	Transmission & Distribution Mains	100.0%	1	1.25%				65,554
55		Total Recurring Projects									
56		ACQUISITIONS									
57											
58											
59		Total Acquisitions									
60											
61		CENTRALLY SPONSORED PROJECTS									
62	TN	Business Transformation 2010 - 2014	340315	Computer Software Special Deprec Rate	100.0%	1	10.00%				117,256
63	TN	Business Transformation 2010 - 2014	340315	Computer Software Special Deprec Rate	100.0%	1	10.00%				-
64		Total Centrally Sponsored Projects									
65											
66		INVESTMENT PROJECTS									
67	TN	Electrical Motor Efficiency Enhancement (\$2.9)			100.0%	12/31/2017					-
73	TN	Construct 1.0MG Tank & 2500-16" ER (\$1.0)			100.0%						-
74	TN	Citico Plant Improvements Phase 1B (\$8.6)	320100	WT Equip Non-Media	100.0%	6/30/2016	1.09%				-
75	TN	Wastewater Treatm't & Handling Impr (\$15.3)	304400	Struct & Imp-T&D	100.0%	5/31/2015	2.13%		2,000,000	6,150,000	-
77	TN	3000'-24" Tennessee River Crossing (\$0.5)			100.0%	12/31/2017					-
79	TN	Retire Basin 1			100.0%						-
80	TN	Basin 2 Tube Settlers			100.0%						-
81	TN	Chlorine Gas Conversion			100.0%						-
82	TN	Post Acquisition BD Capex			100.0%						-
84	TN	Whitwell Acquisition Capital Investment			85.0%	12/31/2014	1.25%				1,020,000
85	TN		320200	Water Trmt Equip Filter Media	6.0%	12/31/2014	33.69%				72,000
86	TN		311520	Pumping Equipment SOS	4.5%	12/31/2014	1.83%				54,000
87	TN		340200	Computer & Peripheral Equipment	4.5%	12/31/2014	2.19%				54,000
88											
89											
90		Total DV Excluded:									

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Total Surcharge Amt:

SEC Total:

EDI Total:

QIIP Total:

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Cumulative Balance of In-Serviced Plant, from 2015 Capex, by Period														
Line #	Business Unit No.	Project Title	Account	1	2	3	4	5	6	7	8	9	10	11
1		RECURRING PROJECTS												
2	TN	DV	331001	\$ 1,355,543	\$ 1,375,375	\$ 1,386,517	\$ 1,410,393	\$ 1,467,693	\$ 1,521,810	\$ 1,587,069	\$ 1,636,411	\$ 1,669,836	\$ 1,706,445	\$ 1,760,562
3	TN	DV	333000	31,575	31,624	31,892	32,467	33,847	35,150	36,722	37,910	38,715	39,597	40,900
4	TN		335000	30,201	30,247	30,504	31,054	32,374	33,621	35,124	36,261	37,031	37,874	39,121
5														
6	TN	A	331001	91,166	91,166	91,167	91,167	94,501	104,501	121,168	136,168	149,502	154,502	154,503
7														
8	TN	B	331001	1,105,596	1,142,342	1,187,515	1,277,862	1,364,983	1,497,276	1,600,530	1,736,050	1,839,304	1,952,238	2,010,318
9	TN	B	333000	32,231	33,014	34,367	37,074	39,684	43,647	46,741	50,801	53,894	57,277	59,017
10	TN	B	335000	3,332	3,412	3,552	3,832	4,102	4,512	4,832	5,252	5,572	5,922	6,107
11														
12	TN	C	331001	800,000	833,334	876,667	901,668	948,335	976,668	1,016,669	1,066,669	1,115,003	1,168,336	1,216,670
13														
14	TN	D	331001	240,500	240,500	250,121	262,948	304,635	333,495	397,629	423,282	455,349	464,970	464,970
15	TN	D	333000	1,250	1,250	1,300	1,367	1,583	1,733	2,067	2,206	2,367	2,417	2,417
16	TN	D	335000	8,250	8,250	8,580	9,020	10,450	11,440	13,640	14,520	15,620	15,950	15,950
17														
18	TN	E	331001	25,122	26,296	28,057	29,818	32,753	35,101	38,036	43,025	48,015	51,537	53,298
19	TN	E	335000	17,675	18,501	19,740	20,979	23,044	24,696	26,761	30,272	33,782	36,260	37,499
20														
21	TN	F	331001	240,397	253,217	266,037	278,857	288,472	298,087	307,702	339,752	358,982	423,082	455,132
22	TN	F	335000	134,637	141,817	148,997	156,177	161,562	166,947	172,332	190,282	201,052	236,952	254,902
23														
24	TN	G	333000	486,000	516,000	552,000	597,000	648,000	702,000	752,000	798,000	839,000	875,000	911,000
25														
26	TN	H	333000	246,000	256,000	276,000	294,000	319,000	354,000	387,000	410,000	431,000	456,000	476,000
27														
28	TN	I	334100	373,910	406,010	431,690	479,840	521,570	544,040	563,300	582,560	617,870	630,710	669,230
29	TN	I	334200	208,505	226,405	240,725	267,575	290,845	303,375	314,115	324,855	344,545	351,705	373,185
30														
31	TN	J	334100	516,982	542,357	585,857	625,732	651,107	676,482	730,857	763,482	821,482	908,482	970,107
32	TN	J	334200	196,096	205,721	222,221	237,346	246,971	256,596	277,221	289,596	311,596	344,596	367,971
33														
34	TN	K	340200	217,435	291,207	369,980	493,731	581,408	673,985	773,332	882,679	972,026	1,062,170	1,141,517
35														
36	TN	L	340200	189,414	191,414	191,414	191,414	191,414	191,414	191,414	195,414	295,414	340,414	370,414
37														
38	TN	M	304500	130,000	135,000	141,000	150,000	185,000	195,000	210,000	225,000	245,000	270,000	310,000
39														
40	TN	N	304500	23,000	23,000	23,000	23,000	23,000	23,000	23,000	33,000	48,000	48,000	48,000
41														
42	TN	O	341100	17,563	20,458	20,458	24,318	24,318	28,178	28,178	40,723	60,023	79,323	88,973
43	TN	O	341200	57,876	67,416	67,416	80,136	80,136	92,856	92,856	134,196	197,796	261,396	293,196
44	TN	O	341300	15,561	18,126	18,126	21,546	21,546	24,966	24,966	36,081	53,181	70,281	78,831
45														
46	TN	P	343000	34,523	34,523	41,523	53,523	58,523	58,523	58,523	61,523	63,523	63,523	65,523
47														
48	TN	Q	320200	91,070	235,178	396,578	598,329	730,907	782,786	817,372	909,601	1,105,587	1,296,502	1,455,021
49	TN	Q	311520	33,221	85,788	144,664	218,258	266,620	285,545	298,161	331,804	402,296	472,938	530,762
50	TN	Q	340200	33,699	87,024	146,748	221,403	270,462	289,659	302,457	336,585	409,107	479,753	538,410
51														
52	TN	R	330003	450,000	450,000	450,000	450,000	450,000	450,000	450,000	460,000	535,000	685,000	885,000
53														

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Cumulative Balance of In-Serviced Plant, from 2015 Capex, by Period														
Line #	Business Unit No.	Project Title	Account	1	2	3	4	5	6	7	8	9	10	11
54	TN	Engineering Studies	331001	65,554	65,554	65,554	65,554	70,554	85,554	95,554	100,554	100,554	100,554	100,554
55		Total Recurring Projects												
56														
57														
58		ACQUISITIONS												
59														
60		Total Acquisitions												
61														
62	TN	CENTRALLY SPONSORED PROJECTS												
63	TN	Business Transformation 2010 - 2014	340315	117,256	117,256	117,256	117,256	117,256	117,256	117,256	117,256	117,256	117,256	117,256
64	TN	Business Transformation 2010 - 2014	340315	-	-	-	-	-	-	-	-	-	-	-
65		Total Centrally Sponsored Projects												
66														
67	TN	INVESTMENT PROJECTS												
73	TN	Electrical Motor Efficiency Enhancement (\$2.9)		-	-	-	-	-	-	-	-	-	-	-
74	TN	Construct 1.0MG Tank & 2500-16" ER (\$1.0)		-	-	-	-	-	-	-	-	-	-	-
75	TN	Citico Plant Improvements Phase 1B (\$8.6)	320100	-	-	-	-	-	-	-	-	-	-	-
76	TN	Wastewater Treatment & Handling Impr (\$15.3)	304400	-	-	-	-	14,200,000.00	14,800,000	15,100,000	15,250,000	15,300,000	15,300,000	15,300,000
77	TN	3000'-24" Tennessee River Crossing (\$0.5)		-	-	-	-	-	-	-	-	-	-	-
79	TN	Retire Basin 1		-	-	-	-	-	-	-	-	-	-	-
80	TN	Basin 2 Tube Settlers		-	-	-	-	-	-	-	-	-	-	-
81	TN	Chlorine Gas Conversion		-	-	-	-	-	-	-	-	-	-	-
82	TN	Post Acquisition BD Capex		-	-	-	-	-	-	-	-	-	-	-
84	TN	Whitwell Acquisition Capital Investment	331001	1,020,000	1,020,000	1,020,000	1,020,000	1,020,000	1,020,000	1,020,000	1,020,000	1,020,000	1,020,000	1,020,000
85	TN		320200	72,000	72,000	72,000	72,000	72,000	72,000	72,000	72,000	72,000	72,000	72,000
86	TN		311520	54,000	54,000	54,000	54,000	54,000	54,000	54,000	54,000	54,000	54,000	54,000
87	TN		340200	54,000	54,000	54,000	54,000	54,000	54,000	54,000	54,000	54,000	54,000	54,000
88														
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		Business Unit		Project Title		Account	12	Surcharge
Line #		No.						
1	TN	DV	RECURRING PROJECTS					
2	TN	DV	Projects Funded by Others					
3	TN	DV			331001	\$	1,811,495	
4	TN	DV			333000		42,127	
5					335000		40,294	
6	TN	A	Mains - New		331001		154,503	EDI
7								
8	TN	B	Mains - Replaced / Restored		331001		2,061,945	QIIP
9	TN	B			333000		60,564	QIIP
10	TN	B			335000		6,262	QIIP
11								
12	TN	C	Mains - Unscheduled		331001		1,276,670	QIIP
13								
14	TN	D	Mains - Relocated		331001		464,970	QIIP
15	TN	D			333000		2,417	QIIP
16	TN	D			335000		15,950	QIIP
17								
18	TN	E	Hydrants, Valves, and Manholes - New		331001		53,298	EDI
19	TN	E			335000		37,499	EDI
20								
21	TN	F	Hydrants, Valves, and Manholes - Replaced		331001		474,362	QIIP
22	TN	F			335000		265,672	QIIP
23								
24	TN	G	Services and Laterals - New		333000		941,000	EDI
25								
26	TN	H	Services and Laterals - Replaced		333000		496,000	QIIP
27								
28	TN	I	Meters - New		334100		694,910	EDI
29	TN	I			334200		387,505	EDI
30								
31	TN	J	Meters - Replaced		334100		1,006,357	QIIP
32	TN	J			334200		381,721	QIIP
33								
34	TN	K	ITS Equipment and Systems		340200		1,177,018	
35								
36	TN	L	SCADA Equipment and Systems		340200		370,414	SEC
37								
38	TN	M	Security Equipment and Systems		304500		320,000	SEC
39								
40	TN	N	Offices and Operations Centers		304500		48,000	
41								
42	TN	O	Vehicles		341100		94,763	EDI
43	TN	O			341200		312,276	EDI
44	TN	O			341300		83,961	EDI
45								
46	TN	P	Tools and Equipment		343000		69,523	
47								
48	TN	Q	Process Plant Facilities and Equipment		320200		1,570,307	SEC
49	TN	Q			311520		572,816	SEC
50	TN	Q			340200		581,070	SEC
51								
52	TN	R	Capitalized Tank Rehabilitation/Painting		330003		950,000	QIIP
53								

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Line #	Business Unit No.	Project Title	Account	12	Surcharge
54	TN	S Engineering Studies	331001	100,554	
55		Total Recurring Projects			
56					
57		ACQUISITIONS			
58					
59		Total Acquisitions			
60					
61		CENTRALLY SPONSORED PROJECTS			
62	TN	Business Transformation 2010 - 2014	340315	117,256	
63	TN	Business Transformation 2010 - 2014	340315	-	
64		Total Centrally Sponsored Projects			
65					
66		INVESTMENT PROJECTS			
67	TN	Electrical Motor Efficiency Enhancement (\$2.9)		-	
73	TN	Construct 1.0MG Tank & 2500-16" ER (\$1.0)		-	
74	TN	Critico Plant Improvements Phase 1B (\$8.6)	320100	-	SEC
75	TN	Wastewater Treatm't & Handling Impr (\$15.3)	304400	15,300,000	SEC
77	TN	3000'-24" Tennessee River Crossing (\$0.5)		-	EDI
79	TN	Retire Basin 1		-	SEC
80	TN	Basin 2 Tube Settlers		-	SEC
81	TN	Chlorine Gas Conversion		-	SEC
82	TN	Post Acquisition BD Capex		-	
84	TN	Whitwell Acquisition Capital Investment	331001	1,020,000	QIIP
85	TN		320200	72,000	QIIP
86	TN		311520	54,000	QIIP
87	TN		340200	54,000	QIIP
88					

Total DV
Included:

Total DV Excluded:

Total Surcharge Amt:

SEC Total:

EDI Total:

QIIP Total:

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Description	TN BP 2015-2019 SCEP										2015			
											Amounts for Surcharge			
	Line #	Business Unit No.	Project Title	Account	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	\$ 1,538,269			\$ 19,228						
3	TN	DV		333000	35,695			\$ 396						
4	TN	DV		335000	34,142			\$ 785						
5														
6	TN	A	Mains - New	331001	117,322			\$ 1,467						
7														
8	TN	B	Mains - Replaced / Restored	331001	1,526,495	(36,934)		\$ 18,620	192,072					
9	TN	B		333000	44,640	(1,052)		\$ 484	14,779					
10	TN	B		335000	4,615	(554)		\$ 93	404					
11														
12	TN	C	Mains - Unscheduled	331001	995,591	(24,089)		\$ 12,144	125,271					
13														
14	TN	D	Mains - Relocated	331001	349,528	(8,457)		\$ 4,263	43,980					
15	TN	D		333000	1,817	(43)		\$ 20	601					
16	TN	D		335000	11,990	(1,438)		\$ 243	1,049					
17														
18	TN	E	Hydrants, Valves, and Manholes - New	331001	37,652			\$ 471						
19	TN	E		335000	26,491			\$ 609						
20														
21	TN	F	Hydrants, Valves, and Manholes - Replaced	331001	324,466	(7,851)		\$ 3,958	40,826					
22	TN	F		335000	181,721	(21,802)		\$ 3,678	15,899					
23							(159,611)	\$ 5,980						
24	TN	G	Services and Laterals - New	333000	698,308			\$ 3,874	118,347					
25														
26	TN	H	Services and Laterals - Replaced	333000	357,462	(8,425)		\$ 39,515						
27								\$ 8,053						
28	TN	I	Meters - New	334100	528,978			\$						
29	TN	I		334200	294,975			\$						
30														
31	TN	J	Meters - Replaced	334100	713,847	(2,828)		\$ 53,113	149,905					
32	TN	J		334200	270,770	(5,628)		\$ 7,238	82,355					
33														
34	TN	K	ITS Equipment and Systems	340200	675,781			\$ 14,800						
35								\$						
36	TN	L	SCADA Equipment and Systems	340200	238,106			\$ 5,215						
37								\$						
38	TN	M	Security Equipment and Systems	304500	203,538	(45,068)		\$ 1,791	-					
39								\$						
40	TN	N	Offices and Operations Centers	304500	31,462			\$ 356						
41								\$						
42	TN	O	Vehicles	341100	10,478	-		\$ 1,676	-					
43	TN	O		341200	34,527	-		\$ 5,738	-					
44	TN	O		341300	9,283	-		\$ 1,056	-					
45								\$						
46	TN	P	Tools and Equipment	343000	53,292			\$ 3,672						
47								\$						
48	TN	Q	Process Plant Facilities and Equipment	320200	772,526	(127,771)		\$ 217,218	63,154					
49	TN	Q		311520	281,802	(9,481)		\$ 4,983	3,882					
50	TN	Q		340200	285,863	-		\$ 6,260	-					
51								\$						
52	TN	R	Capitalized Tank Rehabilitation/Painting	330003	547,308			\$ 60,642						
53								\$						

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2015
Amounts for Surcharge

Line #	Business Unit No.	Project Title	Account	Average Plant in Service	Average Retires (Replacement Projects Only)	Average CIAC	Depreciation Expense	Cost of Removal Less Salvage	Tax Depr class life 25 yr	Y1 Tax Depr Rate	Y2 Tax Depr Rate	Tax over Book Depreciation
54	TN	Engineering Studies	331001	83,246			\$ 1,041			0.02	0.04	2,742
55		Total Recurring Projects										1,701
56		ACQUISITIONS										
57												
58												
59		Total Acquisitions										
60												
61		CENTRALLY SPONSORED PROJECTS										
62	TN	Business Transformation 2010 - 2014	340315	117,256			\$ 11,726		3 yr	0.3333	0.3333	39,081
63	TN	Business Transformation 2010 - 2014	340315	-			\$ -					27,356
64		Total Centrally Sponsored Projects										
65												
66		INVESTMENT PROJECTS										
67	TN	Electrical Motor Efficiency Enhancement (\$2.9)		-			\$ -					
73	TN	Construct 1.0MG Tank & 2500-16" ER (\$1.0)		-			\$ -					
74	TN	Critico Plant Improvements Phase 1B (\$8.6)	320100	-			\$ -		25 yr	0.02	0.04	-
75	TN	Wastewater Treatm't & Handling Impr (\$15.3)	304400	9,273,077			\$ 197,517		39 yr	0.01282	0.02564	118,881
77	TN	3000'-24" Tennessee River Crossing (\$0.5)		-			\$ -					(78,636)
79	TN	Retire Basin 1		-								
80	TN	Basin 2 Tube Settlers		-								
81	TN	Chlorine Gas Conversion		-			\$ -					
82	TN	Post Acquisition BD Capex		-			\$ -					
84	TN	Whitwell Acquisition Capital Investment	331001	1,020,000			\$ 12,750		25 yr	0.02	0.02	11,291
85	TN		320200	72,000			\$ 24,257		25 yr	0.02	0.02	797
86	TN		311520	54,000			\$ 988		25 yr	0.02	0.02	(390)
87	TN		340200	54,000			\$ 1,183		5 yr	0.2		5,978
88												4,795
88				\$ 21,912,319	\$ (301,420)	\$ (159,611)	\$ 757,099	\$ 852,526				\$ 718,586
89												\$ (38,512)
90		Total DV Excluded:		\$ 20,304,213	\$ (301,420)	\$ (159,611)	\$ 736,689	\$ 852,526				\$ 674,252
												\$ (62,437)
91		Total Surcharge Amt:		\$ 19,343,176	\$ (301,420)	\$ (159,611)	\$ 705,096	\$ 852,526				\$ 487,318
92												\$ (217,778)
93		SEC Total:		\$ 11,054,912	\$ (182,320)	\$ -	\$ 432,984	\$ 67,036				\$ 264,319
94												\$ (168,665)
95		EDI Total:		\$ 1,758,014	\$ -	\$ (159,611)	\$ 64,565	\$ -				\$ 58,164
96												\$ (6,401)
97		QUIP Total:		\$ 6,530,250	\$ (119,100)	\$ -	\$ 207,547	\$ 785,489				\$ 164,835
98												\$ (42,712)

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Line #			Business Unit No.	Project Title	Account	Tax Rate	Depreciation		Accum Dep	Depreciation
							Deferred Tax (DTA, (DTL))	NOTES		Deferred Tax (DTA, (DTL))
1										
2	TN	DV		RECURRING PROJECTS	331001	0.39225	(9,085)	This should be zero if related to non-taxable CIAC	\$ (16,879)	\$ (6,252)
3	TN	DV		Projects Funded by Others	333000	0.39225	(234)	This should be zero if related to non-taxable CIAC	\$ (353)	\$ (166)
4	TN	DV			335000	0.39225	(65)	This should be zero if related to non-taxable CIAC	\$ (701)	\$ (17)
5										
6	TN	A		Mains - New	331001	0.39225	(662)		\$ (1,239)	\$ (450)
7										
8	TN	B		Mains - Replaced / Restored	331001	0.39225	(8,681)		\$ (15,526)	\$ (5,911)
9	TN	B			333000	0.39225	(281)		\$ (397)	\$ (199)
10	TN	B			335000	0.39225	(12)		\$ (82)	\$ (4)
11										
12	TN	C		Mains - Unscheduled	331001	0.39225	(6,040)		\$ (10,841)	\$ (4,143)
13										
14	TN	D		Mains - Relocated	331001	0.39225	(1,975)		\$ (3,575)	\$ (1,327)
15	TN	D			333000	0.39225	(11)		\$ (17)	\$ (8)
16	TN	D			335000	0.39225	(30)		\$ (212)	\$ (10)
17										
18	TN	E		Hydrants, Valves, and Manholes - New	331001	0.39225	(211)		\$ (395)	\$ (143)
19	TN	E			335000	0.39225	(39)		\$ (512)	\$ (9)
20										
21	TN	F		Hydrants, Valves, and Manholes - Replaced	331001	0.39225	(2,016)		\$ (3,565)	\$ (1,408)
22	TN	F			335000	0.39225	(556)		\$ (3,477)	\$ (208)
23										
24	TN	G		Services and Laterals - New	333000	0.39225	(4,878)		\$ (4,868)	\$ (3,030)
25										
26	TN	H		Services and Laterals - Replaced	333000	0.39225	(2,250)		\$ (3,185)	\$ (1,600)
27										
28	TN	I		Meters - New	334100	0.39225	9,796		\$ (34,551)	\$ 9,147
29	TN	I			334200	0.39225	(22)		\$ (7,041)	\$ 305
30										
31	TN	J		Meters - Replaced	334100	0.39225	13,191		\$ (45,820)	\$ 12,109
32	TN	J			334200	0.39225	(60)		\$ (4,994)	\$ (265)
33										
34	TN	K		ITS Equipment and Systems	340200	0.39225	(50,386)		\$ (8,877)	\$ (29,906)
35										
36	TN	L		SCADA Equipment and Systems	340200	0.39225	(21,292)		\$ (4,774)	\$ (17,559)
37										
38	TN	M		Security Equipment and Systems	304500	0.39225	(675)		\$ (1,691)	\$ (734)
39										
40	TN	N		Offices and Operations Centers	304500	0.39225	(57)		\$ (263)	\$ (71)
41										
42	TN	O		Vehicles	341100	0.39225	(268)		\$ (1,190)	\$ (169)
43	TN	O			341200	0.39225	(799)		\$ (4,074)	\$ (496)
44	TN	O			341300	0.39225	(406)		\$ (750)	\$ (269)
45										
46	TN	P		Tools and Equipment	343000	0.39225	907		\$ (2,846)	\$ 735
47										
48	TN	Q		Process Plant Facilities and Equipment	320200	0.39225	78,687		\$ (128,207)	\$ 46,574
49	TN	Q			331520	0.39225	(422)		\$ (2,880)	\$ (225)
50	TN	Q			340200	0.39225	(20,983)		\$ (3,556)	\$ (12,013)
51										
52	TN	R		Capitalized Tank Rehabilitation/Painting	330003	0.39225	17,427		\$ (59,498)	\$ 18,093

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	Tax Rate	Depreciation Deferred Tax (DTA, (DTL))	NOTES	Accum Dep	Depreciation Deferred Tax (DTA, (DTL))
54	TN	Engineering Studies	331001	0.39225	(667)		\$ (1,193)	\$ (492)
55		Total Recurring Projects						
56		ACQUISITIONS						
57								
58								
59		Total Acquisitions						
60								
61		CENTRALLY SPONSORED PROJECTS						
62	TN	Business Transformation 2010 - 2014	340315	0.39225	(10,730)		\$ (16,620)	\$ (15,210)
63	TN	Business Transformation 2010 - 2014	340315					
64		Total Centrally Sponsored Projects						
65								
66		INVESTMENT PROJECTS						
67	TN	Electrical Motor Efficiency Enhancement (\$2.9)			-			
73	TN	Construct 1.0MG Tank & 2500-16" ER (\$1.0)						
74	TN	Citico Plant Improvements Phase 1B (\$8.6)	320100	0.39225	-		\$ -	\$ -
75	TN	Wastewater Treatm't & Handling Impr (\$15.3)	304400	0.39225	30,845		\$ (98,758)	\$ 15,422
77	TN	3000'-24" Tennessee River Crossing (\$0.5)			-			
79	TN	Retire Basin 1						
80	TN	Basin 2 Tube Settlers						
81	TN	Chlorine Gas Conversion						
82	TN	Post Acquisition BD Capex						
84	TN	Whitwell Acquisition Capital Investment	331001	0.39225	572		\$ (12,068)	\$ (1,054)
85	TN		320200	0.39225	9,202		\$ (22,960)	\$ 8,597
86	TN		311520	0.39225	153		\$ (935)	\$ 60
87	TN		340200	0.39225	(1,881)		\$ (1,069)	\$ (2,645)
88								
88					\$ 15,106			
89								
90		Total DV Excluded:			\$ 24,491			
91								
92		Total Surcharge Amt:			\$ 85,423			
93								
94		SEC Total:			\$ 66,159			
95								
96		EDI Total:			\$ 2,511			
97								
98		QIIP Total:			\$ 16,754			

See note under DV above

**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
AVERAGE BALANCE OF COST OF REMOVAL LESS SALVAGE SPEND**

Business Unit No.	Account	Account Description	2015 Avg UPIS	Portion of Total Replacement	2015 Allocated Retirement	2015 Cost of Removal Less Salvage
B	331001	Transmission & Distribution Mains	\$ 1,526,495	47.8%	\$ (36,934)	\$ 192,072
B	333000	Services	44,640	11.1%	(1,052)	14,779
B	335000	Hydrants	4,615	2.3%	(554)	404
						-
C	331001	Transmission & Distribution Mains	995,591	31.2%	(24,089)	125,271
						-
D	331001	Transmission & Distribution Mains	349,528	10.9%	(8,457)	43,980
D	333000	Services	1,817	0.4%	(43)	601
D	335000	Hydrants	11,990	6.0%	(1,438)	1,049
						-
F	331001	Transmission & Distribution Mains	324,466	10.2%	(7,851)	40,826
F	335000	Hydrants	181,721	91.6%	(21,802)	15,899
						-
H	333000	Services	357,462	88.5%	(8,425)	118,347
						-
J	334100	Meters	713,847	100.0%	(2,828)	149,905
J	334200	Meter Installations	270,770	100.0%	(5,628)	82,355
						-
M	304500	Structures & Improvement - General	203,538	100.0%	(45,068)	-
						-
Q	320100	WT Equip Non-Media	-	0.0%	-	-
Q	320200	Water Trmt Equip Filter Media	772,526	100.0%	(127,771)	63,154
Q	311520	Pumping Equipment SOS	281,802	100.0%	(9,481)	3,882
		Total	<u>\$ 6,040,809</u>		<u>\$ (301,420)</u>	<u>\$ 852,526</u>

CALCULATION OF AMOUNTS BY ACCOUNT

Account Totals:	Account	Account Description	Total Avg UPIS	Avg 1/2 Year Retirement	Avg 1/2 Year COR
	304500	Structures & Improvement - General	203,538	\$ (15,023)	\$ -
	311520	Pumping Equipment SOS	281,802	(3,160)	1,294
	320100	Water Trmt Equip Filter Non Media	-	(819)	0
	320200	Water Trmt Equip Filter Media	772,526	(42,590)	21,051
	331001	Transmission & Distribution Mains	3,196,081	(25,777)	134,050
	333000	Services	403,918	(3,173)	44,576
	334100	Meters	713,847	(943)	49,968
	334200	Meter Installations	270,770	(1,876)	27,452
	335000	Hydrants	198,326	(7,931)	5,784
		Total:	<u>\$ 6,040,809</u>	<u>\$ (101,292)</u>	<u>\$ 284,175</u>

**Tennessee American Water Company
Two Year Retirement History By Account
For Replacement RP Projects**

2012-2013

Description	Account	Removal & Salvage	Retirements	1/2 Year Removal & Salvage	1/2 Year Retirements
304200-Struct & Imp-Pumping	304200	\$ 400	\$ (96,473)	\$ 100	\$ (24,118)
304300-Struct & Imp-Treatment	304300	100,670 #	(11,896)	25,168	(2,974)
304500-Struct & Imp-General	304500	#	(60,090)	0	(15,023)
310000-Power Generation Equip	310000		(17,180)	0	(4,295)
311520-Pump Eqp SOS & Pumping	311520	5,176	(12,641)	1,294	(3,160)
320100-WT Equip Non-Media	320100	1	(3,275)	0	(819)
320200-WT Equip Filter Media	320200	84,206	(170,362)	21,051	(42,590)
331001-T&D Mains	331001	536,199	(103,107)	134,050	(25,777)
333000-Services	333000	178,304	(12,693)	44,576	(3,173)
334100-Meters	334100	199,873	(3,770)	49,968	(943)
334200-Meter Installations	334200	109,807	(7,505)	27,452	(1,876)
335000-Hydrants	335000	23,136	(31,725)	5,784	(7,931)
340100-Office Furniture & Equip	340100	475	(97,502)	119	(24,376)
340200-Comp & Periph Equip	340200	#	(774,552)	0	(193,638)
340300-Computer Software	340300	#	(3,820,228)	0	(955,057)
340500-Other Office Equipment	340500	#	(5,179)	0	(1,295)
341100-Trans Equip Lt Duty Trks	341100	(3,711) #	(170,036)	(928)	(42,509)
341200-Trans Equip Hvy Duty Trks	341200	(4,922) #	(41,400)	(1,231)	(10,350)
341300-Trans Equip Autos	341300	(7,519)		(1,880)	0
343000-Tools,Shop,Garage Equip	343000	#	(5,400)	0	(1,350)
344000-Laboratory Equipment	344000	4,074 #	(6,671)	1,018	(1,668)
346100-Comm Equip Non-Telephone	346100	#	(12,351)	0	(3,088)
346200-Comm Equip Telephone	346200	#	(36,294)	0	(9,074)
347000-Misc Equipment	347000	0 #	(12,399)	0	(3,100)
		\$ 1,226,169	\$ (5,512,728)	\$ 306,542	\$ (1,378,182)

*** Powerplant Depr Retires Activity Report.

Tennessee American Water
Residential Water Rates

Rate Category Descrip		Charge Type	PRICE LEVELS - (Meter Based)										1		2	
			5/8- METER	3/4- METER	1- METER	1.5- METER	2-METER	3-METER	4-METER	6-METER	8-METER	BlockLim1	Block\$1	BlockLim2		
TN Lone Oak Water:Res		Flat rate										9999999999	\$ 42.030000			
TN Lone Oak Water:Res		Quantity-based price										20	\$ -	9999999999		
TN Suck Creek Water:Res		Meter-Based														
TN Suck Creek Water:Res		Quantity-based price	\$ 30.60	\$ 30.60	\$ 30.60	\$ 30.60	\$ 30.60	\$ 30.60	\$ 30.60	\$ 30.60	\$ 30.60	15	\$ -	95		
TN Chatt Water: Res		Meter-Based														
TN Chatt Water: Res		Quantity-based price	\$ 13.96	\$ 23.45	\$ 39.01	\$ 78.05	\$ 124.88	\$ 234.52	\$ 390.25	\$ 780.50	\$ 1,248.77	30	\$ 0.035660	486		
TN Chatt Water Lookout Mtn.: Res		Meter-Based														
TN Chatt Water Lookout Mtn.: Res		Quantity-based price	\$ 15.66	\$ 23.45	\$ 39.01	\$ 78.05	\$ 124.89	\$ 234.14	\$ 390.25	\$ 780.50	\$ 1,248.77	30	\$ 0.132820	486		
TN Chatt Water Lakeview: Res		Meter-Based														
TN Chatt Water Lakeview: Res		Quantity-based price	\$ 15.66	\$ 23.45	\$ 39.00	\$ 78.05	\$ 124.88	\$ 234.14	\$ 390.25	\$ 780.50	\$ 1,248.77	30	\$ 0.065640	486		
TN -Whitwell Res WT INSIDE CITY		Quantity-based price														
TN -Whitwell Res WT INSIDE CITY		Flat rate										20	\$ -	40		
												9999999999	\$ 20.450000			
TN Whitwell Res WT OUTSIDE CITY		Quantity-based price														
TN Whitwell Res WT OUTSIDE CITY		Flat rate										20	\$ -	40		
												9999999999	\$ 20.450000			

Tennessee American Water
Residential Water Rates

Workpaper

PRICES - (VOLUMES & NON-METER BASED FLAT FEES)										
Rate Category Descrip	Charge Type	2 Block\$2	3 BlockLim3	3 Block\$3	4 BlockLim4	4 Block\$4	5 BlockLim5	5 Block\$5	6 BlockLim6	6 Block\$6
TN Lone Oak Water:Res	Flat rate									
TN Lone Oak Water:Res	Quantity-based price	\$ 0.726550								
TN Suck Creek Water:Res	Meter-Based									
TN Suck Creek Water:Res	Quantity-based price	\$ 0.607310	9999999999	\$ 0.455510						
TN Chatt Water: Res	Meter-Based									
TN Chatt Water: Res	Quantity-based price	\$ 0.565550	3740	\$ 0.355310	37400	\$ 0.265640	112000	\$ 0.203050	9999999999	\$ 0.120570
TN Chatt Water Lookout Mtn.: Res	Meter-Based									
TN Chatt Water Lookout Mtn.: Res	Quantity-based price	\$ 0.728500	3740	\$ 0.518260	37400	\$ 0.361830	112000	\$ 0.299910	9999999999	\$ 0.217430
TN Chatt Water Lakeview: Res	Meter-Based									
TN Chatt Water Lakeview: Res	Quantity-based price	\$ 0.623240	3740	\$ 0.413010	37400	\$ 0.295160	112000	\$ 0.232740	9999999999	\$ 0.150270
TN -Whitwell Res WT INSIDE CITY	Quantity-based price	\$ 0.480000	60	\$ 0.456000	9999999999	\$ 0.419000				
TN -Whitwell Res WT INSIDE CITY	Flat rate									
TN Whitwell Res WT OUTSIDE CITY	Quantity-based price	\$ 0.587000	60	\$ 0.532000	9999999999	\$ 0.437000				
TN Whitwell Res WT OUTSIDE CITY	Flat rate									

Tennessee American Water Company
 Pre Tax Rate of Return & Revenue Conversion Factors

Last Rate Order:	
PTR = ((WCCE +WCPE) * PTRCF) + WCLTD +WSTD	9.4544%
Reconciliation component	0.0000%
Weighted Cost of Common Equity (WCCE)	3.4380%
Weighted Cost of Preferred Equity (WCPE)	0.0015%
Weighted Cost of Long-Term Debt (WCLTD)	3.7620%
Weighted Cost of Short- Term Debt (WCSTD)	0.0330%
(from Settlement agreement)	
Gross Revenue Conversion Factor (PTRCF): 1/(1-PPRT)(1-SIT)(1-FIT)	1.645413
<u>PreTax ROR Conv. Factor</u>	
State Excise Tax	0.065
Balance (1.0-.065)	
Fed Inc. Tax (.935*.35)	0.35
Combined Tax Rate (.065 + .32725)	
Balance (1.0-.39225)	0.39225
PreTax ROR Conv. Factor	0.60775
	<u>1.64541341</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%
Total Rev. Taxes	<u>3.191%</u>
Projection of Annual Revenues from Last Rate Order:	\$ 47,073,724
Projection of Annual Sales from Last Order in 100 Gallons	100,589,065

Tennessee American Water Company
Contributions in Aid to Construction
12 Month History by Account

	2012												Grand Total
	8	9	10	11	12	1	2	3	4	5	6	7	
560815										(10,846)	(11,258)	(6,972)	(29,076)
GARDEN METER SETTINGS COST										(516)	(526)	(228)	-
560824										(1,912)			(1,270)
NEW GARDEN METER COST										(1,912)			-
	(13,865)	(13,065)	(3,550)	(7,438)	(3,518)	(3,486)	(2,324)	(15,672)	(11,231)				(1,912)
	(13,865)	(13,065)	(3,550)	(7,438)	(3,518)	(3,486)	(2,324)	(15,672)	(11,231)	(13,274)	(11,784)	(7,200)	(74,149)
Grand Total													(106,407)
													(53,204) 1/2 Average
													(159,610.50) Multiply by 3 for 1.5 years

GMMCUC	GMOBJ	GMSUB	GMDL01	GMR004	GMR00401	GMR021	GMR02101	GMR022	GMR02201
ASSC76	101000	301000	Organization	B01	Utility Plant Original Cost	A301	Organization	A3011	Organization
ASSC76	101000	302000	Franchises	B01	Utility Plant Original Cost	A302	Franchises & Consents	A3021	Franchises
ASSC76	101000	302100	Franchises Amortizable	B01	Utility Plant Original Cost	A302	Franchises & Consents	A3021	Franchises
ASSC76	101000	303200	Land & Ld Rights SS	B01	Utility Plant Original Cost	A310	Land & Land Rights SS	A3032	Land & Land Rights SS
ASSC76	101000	303300	Land & Ld Rights P	B01	Utility Plant Original Cost	A320	Land & Land Rights P	A3032	Land & Land Rights SS
ASSC76	101000	303400	Land & Ld Rights WT	B01	Utility Plant Original Cost	A330	Land & Land Rights WT	A3033	Land & Land Rights WT
ASSC76	101000	303410	Depletable Ld WT	B01	Utility Plant Original Cost	A330	Land & Land Rights WT	A3033	Land & Land Rights WT
ASSC76	101000	303500	Land & Ld Rights TD	B01	Utility Plant Original Cost	A340	Land & Land Rights TD	A3034	Land & Land Rights TD
ASSC76	101000	303501	Land TD	B01	Utility Plant Original Cost	A340	Land & Land Rights TD	A3034	Land & Land Rights TD
ASSC76	101000	303502	Rights of Way TD	B01	Utility Plant Original Cost	A340	Land & Land Rights TD	A3034	Land & Land Rights TD
ASSC76	101000	303600	Land & Land Rights AG	B01	Utility Plant Original Cost	A389	Land & Land Rights AG	A3035	Land & Land Rights AG
ASSC76	101000	304100	Struct & Imp SS	B01	Utility Plant Original Cost	A311	Struct & Improve SS	A3042	Struct & Improve SS
ASSC76	101000	304101	Struct & Imp SS-Millbury	B01	Utility Plant Original Cost	A311	Struct & Improve SS	A3042	Struct & Improve SS
ASSC76	101000	304102	Struct & Imp SS-Free St	B01	Utility Plant Original Cost	A311	Struct & Improve SS	A3042	Struct & Improve SS
ASSC76	101000	304103	Struct & Imp SS-Downing	B01	Utility Plant Original Cost	A311	Struct & Improve SS	A3042	Struct & Improve SS
ASSC76	101000	304104	Struct & Imp SS-Free St	B01	Utility Plant Original Cost	A311	Struct & Improve SS	A3042	Struct & Improve SS
ASSC76	101000	304200	Struct & Imp P	B01	Utility Plant Original Cost	A321	Struct & Improve P	A3042	Struct & Improve SS
ASSC76	101000	304201	Struct & Imp Pumps (STL)	B01	Utility Plant Original Cost	A321	Struct & Improve P	A3042	Struct & Improve SS
ASSC76	101000	304202	Struct & Imp Pump Booster	B01	Utility Plant Original Cost	A321	Struct & Improve P	A3042	Struct & Improve SS
ASSC76	101000	304220	Struct & Imp P MA	B01	Utility Plant Original Cost	A321	Struct & Improve P	A3042	Struct & Improve SS
ASSC76	101000	304221	Struct & Imp P MA	B01	Utility Plant Original Cost	A321	Struct & Improve P	A3042	Struct & Improve SS
ASSC76	101000	304222	Struct & Imp P MA	B01	Utility Plant Original Cost	A321	Struct & Improve P	A3042	Struct & Improve SS
ASSC76	101000	304224	Struct & Imp P MA	B01	Utility Plant Original Cost	A321	Struct & Improve P	A3042	Struct & Improve SS
ASSC76	101000	304225	Struct & Imp P MA	B01	Utility Plant Original Cost	A321	Struct & Improve P	A3042	Struct & Improve SS
ASSC76	101000	304227	Struct & Imp P MA	B01	Utility Plant Original Cost	A321	Struct & Improve P	A3042	Struct & Improve SS
ASSC76	101000	304228	Struct & Imp P MA	B01	Utility Plant Original Cost	A321	Struct & Improve P	A3042	Struct & Improve SS
ASSC76	101000	304229	Struct & Imp P MA	B01	Utility Plant Original Cost	A321	Struct & Improve P	A3042	Struct & Improve SS
ASSC76	101000	304230	Struct & Imp P MA	B01	Utility Plant Original Cost	A321	Struct & Improve P	A3042	Struct & Improve SS
ASSC76	101000	304231	Struct & Imp P MA	B01	Utility Plant Original Cost	A321	Struct & Improve P	A3042	Struct & Improve SS
ASSC76	101000	304233	Struct & Imp P MA	B01	Utility Plant Original Cost	A321	Struct & Improve P	A3042	Struct & Improve SS
ASSC76	101000	304234	Struct & Imp P MA	B01	Utility Plant Original Cost	A321	Struct & Improve P	A3042	Struct & Improve SS
ASSC76	101000	304235	Struct & Imp P MA	B01	Utility Plant Original Cost	A321	Struct & Improve P	A3042	Struct & Improve SS
ASSC76	101000	304236	Struct & Imp P MA	B01	Utility Plant Original Cost	A321	Struct & Improve P	A3042	Struct & Improve SS
ASSC76	101000	304300	Struct & Imp WT	B01	Utility Plant Original Cost	A331	Struct & Improve WT	A3043	Struct & Improve WT
ASSC76	101000	304301	Struct & Imp WT Depr Pntn	B01	Utility Plant Original Cost	A331	Struct & Improve WT	A3043	Struct & Improve WT
ASSC76	101000	304302	Struct & Imp WT Paint	B01	Utility Plant Original Cost	A331	Struct & Improve WT	A3043	Struct & Improve WT
ASSC76	101000	304310	Struct & Imp WT Wste Hand	B01	Utility Plant Original Cost	A331	Struct & Improve WT	A3043	Struct & Improve WT
ASSC76	101000	304312	Struct & Imp WT WH Repair	B01	Utility Plant Original Cost	A331	Struct & Improve WT	A3043	Struct & Improve WT
ASSC76	101000	304320	Struct & Imp WT Nth Plt (	B01	Utility Plant Original Cost	A331	Struct & Improve WT	A3043	Struct & Improve WT
ASSC76	101000	304321	Struct & Imp WT MA	B01	Utility Plant Original Cost	A331	Struct & Improve WT	A3043	Struct & Improve WT
ASSC76	101000	304322	Struct & Imp WT MA	B01	Utility Plant Original Cost	A331	Struct & Improve WT	A3043	Struct & Improve WT
ASSC76	101000	304323	Struct & Imp WT MA	B01	Utility Plant Original Cost	A331	Struct & Improve WT	A3043	Struct & Improve WT
ASSC76	101000	304324	Struct & Imp WT MA	B01	Utility Plant Original Cost	A331	Struct & Improve WT	A3043	Struct & Improve WT
ASSC76	101000	304330	Struct & Imp WT Ctrl Plt	B01	Utility Plant Original Cost	A331	Struct & Improve WT	A3043	Struct & Improve WT
ASSC76	101000	304340	Struct & Imp WT Ctrl Plt	B01	Utility Plant Original Cost	A331	Struct & Improve WT	A3043	Struct & Improve WT
ASSC76	101000	304350	Struct & Imp WT Sth Plt (	B01	Utility Plant Original Cost	A331	Struct & Improve WT	A3043	Struct & Improve WT
ASSC76	101000	304360	Struct & Imp WT Meramec (	B01	Utility Plant Original Cost	A331	Struct & Improve WT	A3043	Struct & Improve WT
ASSC76	101000	304390	Struct & Imp WT Mix & Set	B01	Utility Plant Original Cost	A331	Struct & Improve WT	A3043	Struct & Improve WT
ASSC76	101000	304391	Struct & Imp WT Pur Bldg	B01	Utility Plant Original Cost	A331	Struct & Improve WT	A3043	Struct & Improve WT
ASSC76	101000	304392	Struct & Imp WT Wsh Wtr T	B01	Utility Plant Original Cost	A331	Struct & Improve WT	A3043	Struct & Improve WT
ASSC76	101000	304400	Struct & Imp TD	B01	Utility Plant Original Cost	A341	Struct & Improve TD	A3044	Struct & Improve TD
ASSC76	101000	304410	Struct & Imp TD Spec Cros	B01	Utility Plant Original Cost	A341	Struct & Improve TD	A3044	Struct & Improve TD
ASSC76	101000	304500	Struct & Imp AG	B01	Utility Plant Original Cost	A390	Struct & Improve AG	A3045	Struct & Improve AG
ASSC76	101000	304510	Struct & Imp AG Cap Lease	B01	Utility Plant Original Cost	A390	Struct & Improve AG	A3045	Struct & Improve AG
ASSC76	101000	304515	Struct & Imp AG Wood	B01	Utility Plant Original Cost	A390	Struct & Improve AG	A3045	Struct & Improve AG
ASSC76	101000	304520	Struct & Imp AG Masonry	B01	Utility Plant Original Cost	A390	Struct & Improve AG	A3045	Struct & Improve AG
ASSC76	101000	304600	Struct & Imp Offices	B01	Utility Plant Original Cost	A390	Struct & Improve AG	A3045	Struct & Improve AG
ASSC76	101000	304610	Gen Structures - HVAC	B01	Utility Plant Original Cost	A390	Struct & Improve AG	A3045	Struct & Improve AG
ASSC76	101000	304620	Struct & Imp Leasehold	B01	Utility Plant Original Cost	A390	Struct & Improve AG	A3045	Struct & Improve AG
ASSC76	101000	304621	Struct & Imp Leasehold	B01	Utility Plant Original Cost	A390	Struct & Improve AG	A3045	Struct & Improve AG
ASSC76	101000	304700	Struct & Imp Store,Shop,G	B01	Utility Plant Original Cost	A390	Struct & Improve AG	A3045	Struct & Improve AG
ASSC76	101000	304800	Struct & Imp Misc	B01	Utility Plant Original Cost	A390	Struct & Improve AG	A3045	Struct & Improve AG
ASSC76	101000	305000	Collect & Imp Impounding	B01	Utility Plant Original Cost	A312	Collecting & Impounding	A3052	Collecting & Impounding
ASSC76	101000	306000	Lake, River & Other Intak	B01	Utility Plant Original Cost	A313	Lake, River & Other Intak	A3062	Lake, River & Other Intak
ASSC76	101000	306001	Intakes Leased	B01	Utility Plant Original Cost	A313	Lake, River & Other Intak	A3062	Lake, River & Other Intak
ASSC76	101000	307000	Wells & Springs	B01	Utility Plant Original Cost	A314	Wells & Springs	A3072	Wells & Springs
ASSC76	101000	307001	Wells & Springs MA	B01	Utility Plant Original Cost	A314	Wells & Springs	A3072	Wells & Springs
ASSC76	101000	307002	Wells & Springs MA	B01	Utility Plant Original Cost	A314	Wells & Springs	A3072	Wells & Springs
ASSC76	101000	307003	Wells & Springs MA	B01	Utility Plant Original Cost	A314	Wells & Springs	A3072	Wells & Springs
ASSC76	101000	307004	Wells & Springs MA	B01	Utility Plant Original Cost	A314	Wells & Springs	A3072	Wells & Springs
ASSC76	101000	307005	Wells & Springs MA	B01	Utility Plant Original Cost	A314	Wells & Springs	A3072	Wells & Springs
ASSC76	101000	307006	Wells & Springs MA	B01	Utility Plant Original Cost	A314	Wells & Springs	A3072	Wells & Springs
ASSC76	101000	307007	Wells & Springs MA	B01	Utility Plant Original Cost	A314	Wells & Springs	A3072	Wells & Springs
ASSC76	101000	307008	Wells & Springs MA	B01	Utility Plant Original Cost	A314	Wells & Springs	A3072	Wells & Springs
ASSC76	101000	307010	Wells & Springs MA	B01	Utility Plant Original Cost	A314	Wells & Springs	A3072	Wells & Springs
ASSC76	101000	307011	Wells & Springs MA	B01	Utility Plant Original Cost	A314	Wells & Springs	A3072	Wells & Springs
ASSC76	101000	307012	Wells & Springs MA	B01	Utility Plant Original Cost	A314	Wells & Springs	A3072	Wells & Springs
ASSC76	101000	307013	Wells & Springs MA	B01	Utility Plant Original Cost	A314	Wells & Springs	A3072	Wells & Springs
ASSC76	101000	307014	Wells & Springs MA	B01	Utility Plant Original Cost	A314	Wells & Springs	A3072	Wells & Springs
ASSC76	101000	307016	Wells & Springs MA	B01	Utility Plant Original Cost	A314	Wells & Springs	A3072	Wells & Springs
ASSC76	101000	307200	Wells Only (LI)	B01	Utility Plant Original Cost	A314	Wells & Springs	A3072	Wells & Springs

Workpaper

**Tennessee American Water Company
NARUC Master Chart of Accounts**

GMMCU	GMOBJ	GMSUB	GMDL01	GMR004	GMR00401	GMR021	GMR02101	GMR022	GMR02201
ASSC76	101000	308000	Infiltration Galleries &	B01	Utility Plant Original Cost	A315	Infil Galleries & Tunnel	A3082	Infiltration Galleries &
ASSC76	101000	309000	Supply Mains	B01	Utility Plant Original Cost	A316	Supply Mains	A3092	Supply Mains
ASSC76	101000	309100	Supply Mains Nth Plt (STL	B01	Utility Plant Original Cost	A316	Supply Mains	A3092	Supply Mains
ASSC76	101000	309200	Supply Mains Ctrl Plt (ST	B01	Utility Plant Original Cost	A316	Supply Mains	A3092	Supply Mains
ASSC76	101000	309300	Supply Mains Sth Plt (STL	B01	Utility Plant Original Cost	A316	Supply Mains	A3092	Supply Mains
ASSC76	101000	309400	Supply Mains Meramec Plt	B01	Utility Plant Original Cost	A316	Supply Mains	A3092	Supply Mains
ASSC76	101000	310000	Power Generation Equip	B01	Utility Plant Original Cost	A323	Other Power Prod Equip	A3102	Power Generation Equip
ASSC76	101000	310100	Power Generation Equip Ot	B01	Utility Plant Original Cost	A323	Other Power Prod Equip	A3102	Power Generation Equip
ASSC76	101000	310200	Boiler Plant Equipment P	B01	Utility Plant Original Cost	A322	Boiler Plant Equip	A3112	Pumping Equipment SS
ASSC76	101000	311100	Pump Equip Steam	B01	Utility Plant Original Cost	A324	Steam Pump Equip	A3112	Pumping Equipment SS
ASSC76	101000	311200	Pump Equip Electric	B01	Utility Plant Original Cost	A325	Electric Pump Equip	A3112	Pumping Equipment SS
ASSC76	101000	311210	Pump Equip Elec Pre46 (ST	B01	Utility Plant Original Cost	A325	Electric Pump Equip	A3112	Pumping Equipment SS
ASSC76	101000	311220	Pump Equip Elec Post46 (S	B01	Utility Plant Original Cost	A325	Electric Pump Equip	A3112	Pumping Equipment SS
ASSC76	101000	311230	Pump Equip Elec Boosters	B01	Utility Plant Original Cost	A325	Electric Pump Equip	A3112	Pumping Equipment SS
ASSC76	101000	311250	Pump Equip Electric TD	B01	Utility Plant Original Cost	A325	Electric Pump Equip	A3114	Pumping Equipment TD
ASSC76	101000	311260	Pump Equip Elec TD <=SHP	B01	Utility Plant Original Cost	A325	Electric Pump Equip	A3114	Pumping Equipment TD
ASSC76	101000	311270	Pump Equip Elec TD >SHP	B01	Utility Plant Original Cost	A325	Electric Pump Equip	A3114	Pumping Equipment TD
ASSC76	101000	311300	Pump Equip Diesel	B01	Utility Plant Original Cost	A326	Diesel Pump Equip	A3112	Pumping Equipment SS
ASSC76	101000	311310	Pump Equip Diesel Stratma	B01	Utility Plant Original Cost	A326	Diesel Pump Equip	A3112	Pumping Equipment SS
ASSC76	101000	311320	Pump Equip Diesel Ctrl PI	B01	Utility Plant Original Cost	A326	Diesel Pump Equip	A3112	Pumping Equipment SS
ASSC76	101000	311350	Pump Equip Diesel TD	B01	Utility Plant Original Cost	A326	Diesel Pump Equip	A3114	Pumping Equipment SS
ASSC76	101000	311400	Pump Equip Hydraulic	B01	Utility Plant Original Cost	A327	Hydraulic Pump Equip	A3112	Pumping Equipment SS
ASSC76	101000	311500	Pump Equip Other	B01	Utility Plant Original Cost	A328	Other Pump Equip	A3112	Pumping Equipment SS
ASSC76	101000	311501	Pump Equip Other MA	B01	Utility Plant Original Cost	A328	Other Pump Equip	A3112	Pumping Equipment SS
ASSC76	101000	311502	Pump Equip Other MA	B01	Utility Plant Original Cost	A328	Other Pump Equip	A3112	Pumping Equipment SS
ASSC76	101000	311503	Pump Equip Other MA	B01	Utility Plant Original Cost	A328	Other Pump Equip	A3112	Pumping Equipment SS
ASSC76	101000	311504	Pump Equip Other MA	B01	Utility Plant Original Cost	A328	Other Pump Equip	A3112	Pumping Equipment SS
ASSC76	101000	311507	Pump Equip Other MA	B01	Utility Plant Original Cost	A328	Other Pump Equip	A3112	Pumping Equipment SS
ASSC76	101000	311508	Pump Equip Other MA	B01	Utility Plant Original Cost	A328	Other Pump Equip	A3112	Pumping Equipment SS
ASSC76	101000	311509	Pump Equip Other MA	B01	Utility Plant Original Cost	A328	Other Pump Equip	A3112	Pumping Equipment SS
ASSC76	101000	311510	Pump Equip Other MA	B01	Utility Plant Original Cost	A328	Other Pump Equip	A3112	Pumping Equipment SS
ASSC76	101000	311511	Pump Equip Other MA	B01	Utility Plant Original Cost	A328	Other Pump Equip	A3112	Pumping Equipment SS
ASSC76	101000	311512	Pump Equip Other MA	B01	Utility Plant Original Cost	A328	Other Pump Equip	A3112	Pumping Equipment SS
ASSC76	101000	311513	Pump Equip Other MA	B01	Utility Plant Original Cost	A328	Other Pump Equip	A3112	Pumping Equipment SS
ASSC76	101000	311514	Pump Equip Other MA	B01	Utility Plant Original Cost	A328	Other Pump Equip	A3112	Pumping Equipment SS
ASSC76	101000	311515	Pump Equip Other MA	B01	Utility Plant Original Cost	A328	Other Pump Equip	A3112	Pumping Equipment SS
ASSC76	101000	311516	Pump Equip Other MA	B01	Utility Plant Original Cost	A328	Other Pump Equip	A3112	Pumping Equipment SS
ASSC76	101000	311520	Pumping Equipment SS	B01	Utility Plant Original Cost	A328	Other Pump Equip	A3113	Pumping Equipment WT
ASSC76	101000	311530	Pumping Equipment WT	B01	Utility Plant Original Cost	A328	Other Pump Equip	A3113	Pumping Equipment WT
ASSC76	101000	311540	Pumping Equipment TD	B01	Utility Plant Original Cost	A328	Other Pump Equip	A3114	Pumping Equipment TD
ASSC76	101000	311550	Pump Equip Other TD	B01	Utility Plant Original Cost	A328	Other Pump Equip	A3114	Pumping Equipment TD
ASSC76	101000	320100	WT Equip Non-Media	B01	Utility Plant Original Cost	A332	Water Treatment Equip	A3203	Water Treatment Equipment
ASSC76	101000	320110	WT Equip Purification (LI	B01	Utility Plant Original Cost	A332	Water Treatment Equip	A3203	Water Treatment Equipment
ASSC76	101000	320120	WT Equip Non-Med North (S	B01	Utility Plant Original Cost	A332	Water Treatment Equip	A3203	Water Treatment Equipment
ASSC76	101000	320130	WT Equip Non Media Ctrl 1	B01	Utility Plant Original Cost	A332	Water Treatment Equip	A3203	Water Treatment Equipment
ASSC76	101000	320140	WT Equip Non Media Ctrl 3	B01	Utility Plant Original Cost	A332	Water Treatment Equip	A3203	Water Treatment Equipment
ASSC76	101000	320150	WT Equip Non Media Sth (S	B01	Utility Plant Original Cost	A332	Water Treatment Equip	A3203	Water Treatment Equipment
ASSC76	101000	320160	WT Equip Non Media Mer (S	B01	Utility Plant Original Cost	A332	Water Treatment Equip	A3203	Water Treatment Equipment
ASSC76	101000	320190	WT Equip Set Basin,Clear	B01	Utility Plant Original Cost	A332	Water Treatment Equip	A3203	Water Treatment Equipment
ASSC76	101000	320191	WT Equip Filter Plant Pip	B01	Utility Plant Original Cost	A332	Water Treatment Equip	A3203	Water Treatment Equipment
ASSC76	101000	320192	WT Equip Wash Water Tank	B01	Utility Plant Original Cost	A332	Water Treatment Equip	A3203	Water Treatment Equipment
ASSC76	101000	320193	WT Equip Chemical Feed (I	B01	Utility Plant Original Cost	A332	Water Treatment Equip	A3203	Water Treatment Equipment
ASSC76	101000	320200	WT Equip Filter Media	B01	Utility Plant Original Cost	A332	Water Treatment Equip	A3203	Water Treatment Equipment
ASSC76	101000	320400	WT Equip Waste Handling (	B01	Utility Plant Original Cost	A332	Water Treatment Equip	A3203	Water Treatment Equipment
ASSC76	101000	320500	WT Equip Pur Sys Lg (PA)	B01	Utility Plant Original Cost	A332	Water Treatment Equip	A3203	Water Treatment Equipment
ASSC76	101000	320502	WT Equip Pur Sys Lg Repai	B01	Utility Plant Original Cost	A332	Water Treatment Equip	A3203	Water Treatment Equipment
ASSC76	101000	330000	Dist Reservoirs & Standpi	B01	Utility Plant Original Cost	A342	Dist Reservoirs & Standpi	A3304	Dist Reservoirs & Standpi
ASSC76	101000	330002	Dist Res & Stand Orig Pai	B01	Utility Plant Original Cost	A342	Dist Reservoirs & Standpi	A3304	Dist Reservoirs & Standpi
ASSC76	101000	330003	Dist Res & Stand Orig Rep	B01	Utility Plant Original Cost	A342	Dist Reservoirs & Standpi	A3304	Dist Reservoirs & Standpi
ASSC76	101000	330020	Dist Res & Stand MA	B01	Utility Plant Original Cost	A342	Dist Reservoirs & Standpi	A3304	Dist Reservoirs & Standpi
ASSC76	101000	330021	Dist Res & Stand MA	B01	Utility Plant Original Cost	A342	Dist Reservoirs & Standpi	A3304	Dist Reservoirs & Standpi
ASSC76	101000	330022	Dist Res & Stand MA	B01	Utility Plant Original Cost	A342	Dist Reservoirs & Standpi	A3304	Dist Reservoirs & Standpi
ASSC76	101000	330023	Dist Res & Stand MA	B01	Utility Plant Original Cost	A342	Dist Reservoirs & Standpi	A3304	Dist Reservoirs & Standpi
ASSC76	101000	330024	Dist Res & Stand MA	B01	Utility Plant Original Cost	A342	Dist Reservoirs & Standpi	A3304	Dist Reservoirs & Standpi
ASSC76	101000	330100	Elevated Tanks & Standpip	B01	Utility Plant Original Cost	A342	Dist Reservoirs & Standpi	A3304	Dist Reservoirs & Standpi
ASSC76	101000	330200	Ground Level Facilities	B01	Utility Plant Original Cost	A342	Dist Reservoirs & Standpi	A3304	Dist Reservoirs & Standpi
ASSC76	101000	330300	Below Grade Facilities	B01	Utility Plant Original Cost	A342	Dist Reservoirs & Standpi	A3304	Dist Reservoirs & Standpi
ASSC76	101000	330400	Clearwell	B01	Utility Plant Original Cost	A342	Dist Reservoirs & Standpi	A3304	Dist Reservoirs & Standpi
ASSC76	101000	331001	TD Mains Not Classified b	B01	Utility Plant Original Cost	A343	TD Mains	A3314	TD Mains
ASSC76	101000	331002	TD Mains (CT)	B01	Utility Plant Original Cost	A343	TD Mains	A3314	TD Mains
ASSC76	101000	331003	TD Mains Paving (LI)	B01	Utility Plant Original Cost	A343	TD Mains	A3314	TD Mains
ASSC76	101000	331100	TD Mains 4in & Less	B01	Utility Plant Original Cost	A343	TD Mains	A3314	TD Mains
ASSC76	101000	331101	TD Mains 4in & Less Nth (	B01	Utility Plant Original Cost	A343	TD Mains	A3314	TD Mains
ASSC76	101000	331200	TD Mains 6in to 8in	B01	Utility Plant Original Cost	A343	TD Mains	A3314	TD Mains
ASSC76	101000	331210	TD Mains 6in to 10in (TN)	B01	Utility Plant Original Cost	A343	TD Mains	A3314	TD Mains
ASSC76	101000	331230	TD Mains 6in & Grtr (LI)	B01	Utility Plant Original Cost	A343	TD Mains	A3314	TD Mains
ASSC76	101000	331300	TD Mains 10in to 16in	B01	Utility Plant Original Cost	A343	TD Mains	A3314	TD Mains
ASSC76	101000	331350	TD Mains 12in & Grtr (TN)	B01	Utility Plant Original Cost	A343	TD Mains	A3314	TD Mains
ASSC76	101000	331400	TD Mains 18in & Grtr	B01	Utility Plant Original Cost	A343	TD Mains	A3314	TD Mains
ASSC76	101000	331500	TD Mains Bridgeport (CN)	B01	Utility Plant Original Cost	A343	TD Mains	A3314	TD Mains
ASSC76	101000	331601	TD Mains AC 4in (STL)	B01	Utility Plant Original Cost	A343	TD Mains	A3314	TD Mains

Tennessee American Water Company
NARUC Master Chart of Accounts

GMMCU	GMOBJ	GMSUB	GMDL01	GMR004	GMR00401	GMR021	GMR02101	GMR022	GMR02201
ASSC76	101000	331602	TD Mains CI <10in 1900-28	B01	Utility Plant Original Cost	A343	TD Mains	A3314	TD Mains
ASSC76	101000	331603	TD Mains CI <10in 1929-56	B01	Utility Plant Original Cost	A343	TD Mains	A3314	TD Mains
ASSC76	101000	331604	TD Mains CI <10in 1957-93	B01	Utility Plant Original Cost	A343	TD Mains	A3314	TD Mains
ASSC76	101000	331605	TD Mains CI 12in (STL)	B01	Utility Plant Original Cost	A343	TD Mains	A3314	TD Mains
ASSC76	101000	331606	TD Mains CI 16in (STL)	B01	Utility Plant Original Cost	A343	TD Mains	A3314	TD Mains
ASSC76	101000	331607	TD Mains DI 6in (STL)	B01	Utility Plant Original Cost	A343	TD Mains	A3314	TD Mains
ASSC76	101000	331608	TD Mains DI 12in (STL)	B01	Utility Plant Original Cost	A343	TD Mains	A3314	TD Mains
ASSC76	101000	331609	TD Mains DI 16in (STL)	B01	Utility Plant Original Cost	A343	TD Mains	A3314	TD Mains
ASSC76	101000	331610	TD Mains Galve 1in (STL)	B01	Utility Plant Original Cost	A343	TD Mains	A3314	TD Mains
ASSC76	101000	331611	TD Mains LJ 20in (STL)	B01	Utility Plant Original Cost	A343	TD Mains	A3314	TD Mains
ASSC76	101000	331612	TD Main PL 6-8in (STL)	B01	Utility Plant Original Cost	A343	TD Mains	A3314	TD Mains
ASSC76	101000	331613	TD Main PL 12in (STL)	B01	Utility Plant Original Cost	A343	TD Mains	A3314	TD Mains
ASSC76	101000	331614	TD Main DI 4in (STL)	B01	Utility Plant Original Cost	A343	TD Mains	A3314	TD Mains
ASSC76	101000	331615	TD Mains DI 24in	B01	Utility Plant Original Cost	A343	TD Mains	A3314	TD Mains
ASSC76	101000	331616	TD Main DI 10in (STL)	B01	Utility Plant Original Cost	A343	TD Mains	A3314	TD Mains
ASSC76	101000	332000	Fire Mains	B01	Utility Plant Original Cost	A344	Fire Mains	A3314	TD Mains
ASSC76	101000	333000	Services	B01	Utility Plant Original Cost	A345	Services	A3334	Services
ASSC76	101000	334100	Meters	B01	Utility Plant Original Cost	A346	Meters	A3344	Meters & Meter Installati
ASSC76	101000	334110	Meters Bronze Case	B01	Utility Plant Original Cost	A346	Meters	A3344	Meters & Meter Installati
ASSC76	101000	334120	Meters Plastic Case	B01	Utility Plant Original Cost	A346	Meters	A3344	Meters & Meter Installati
ASSC76	101000	334130	Meters Other	B01	Utility Plant Original Cost	A346	Meters	A3344	Meters & Meter Installati
ASSC76	101000	334131	Meters Other-Rem Rdr Unts	B01	Utility Plant Original Cost	A346	Meters	A3344	Meters & Meter Installati
ASSC76	101000	334200	Meter Installations	B01	Utility Plant Original Cost	A347	Meter Installations	A3344	Meters & Meter Installati
ASSC76	101000	334201	Meter Installation Other	B01	Utility Plant Original Cost	A347	Meter Installations	A3344	Meters & Meter Installati
ASSC76	101000	334300	Meter Vaults	B01	Utility Plant Original Cost	A346	Meters	A3344	Meters & Meter Installati
ASSC76	101000	335000	Hydrants	B01	Utility Plant Original Cost	A348	Hydrants	A3354	Hydrants
ASSC76	101000	336000	Backflow Prevention Devic	B01	Utility Plant Original Cost	A345	Services	A3364	Backflow Prevention Devic
ASSC76	101000	339100	Other P/E Intangible	B01	Utility Plant Original Cost	A303	Misc Intangible Plant	A3391	Other Plant & Equip Intan
ASSC76	101000	339200	Other P/E SS	B01	Utility Plant Original Cost	A317	Other Water Source Plant	A3392	Other Plant & Equip SS
ASSC76	101000	339300	Other P/E WT	B01	Utility Plant Original Cost	A332	Water Treatment Equip	A3393	Other Plant & Equip WT
ASSC76	101000	339400	Other P/E WT Res Hand Equ	B01	Utility Plant Original Cost	A332	Water Treatment Equip	A3393	Other Plant & Equip WT
ASSC76	101000	339500	Other P/E TD	B01	Utility Plant Original Cost	A349	Other TD Plant	A3394	Other Plant & Equip TD
ASSC76	101000	339600	Other P/E CPS	B01	Utility Plant Original Cost	A303	Misc Intangible Plant	A3391	Other Plant & Equip Intan
ASSC76	101000	340100	Office Furniture & Equip	B01	Utility Plant Original Cost	A391	Office Furniture & Equip	A3405	Office Furniture & Equip
ASSC76	101000	340200	Comp & Periph Equip	B01	Utility Plant Original Cost	A391	Office Furniture & Equip	A3405	Office Furniture & Equip
ASSC76	101000	340210	Comp & Periph Mainframe	B01	Utility Plant Original Cost	A391	Office Furniture & Equip	A3405	Office Furniture & Equip
ASSC76	101000	340220	Comp & Periph Personal	B01	Utility Plant Original Cost	A391	Office Furniture & Equip	A3405	Office Furniture & Equip
ASSC76	101000	340230	Comp & Periph Other	B01	Utility Plant Original Cost	A391	Office Furniture & Equip	A3405	Office Furniture & Equip
ASSC76	101000	340240	Comp & Periph Capital Lea	B01	Utility Plant Original Cost	A391	Office Furniture & Equip	A3405	Office Furniture & Equip
ASSC76	101000	340300	Computer Software	B01	Utility Plant Original Cost	A391	Office Furniture & Equip	A3405	Office Furniture & Equip
ASSC76	101000	340310	Comp Software Mainframe	B01	Utility Plant Original Cost	A391	Office Furniture & Equip	A3405	Office Furniture & Equip
ASSC76	101000	340315	Comp Software Special Dep	B01	Utility Plant Original Cost	A391	Office Furniture & Equip	A3405	Office Furniture & Equip
ASSC76	101000	340320	Comp Software Personal	B01	Utility Plant Original Cost	A391	Office Furniture & Equip	A3405	Office Furniture & Equip
ASSC76	101000	340325	Comp Software Customized	B01	Utility Plant Original Cost	A391	Office Furniture & Equip	A3405	Office Furniture & Equip
ASSC76	101000	340330	Comp Software Other	B01	Utility Plant Original Cost	A391	Office Furniture & Equip	A3405	Office Furniture & Equip
ASSC76	101000	340400	Data Handling Equipment	B01	Utility Plant Original Cost	A391	Office Furniture & Equip	A3405	Office Furniture & Equip
ASSC76	101000	340500	Other Office Equipment	B01	Utility Plant Original Cost	A391	Office Furniture & Equip	A3405	Office Furniture & Equip
ASSC76	101000	340501	Other Off Equip MA	B01	Utility Plant Original Cost	A391	Office Furniture & Equip	A3405	Office Furniture & Equip
ASSC76	101000	341001	Trans Equip Not Classifie	B01	Utility Plant Original Cost	A392	Transportation Equip	A3415	Transportation Equip
ASSC76	101000	341100	Trans Equip Lt Duty Trks	B01	Utility Plant Original Cost	A392	Transportation Equip	A3415	Transportation Equip
ASSC76	101000	341200	Trans Equip Hvy Duty Trks	B01	Utility Plant Original Cost	A392	Transportation Equip	A3415	Transportation Equip
ASSC76	101000	341300	Trans Equip Autos	B01	Utility Plant Original Cost	A392	Transportation Equip	A3415	Transportation Equip
ASSC76	101000	341400	Trans Equip Other	B01	Utility Plant Original Cost	A392	Transportation Equip	A3415	Transportation Equip
ASSC76	101000	342000	Stores Equipment	B01	Utility Plant Original Cost	A393	Stores Equipment	A3425	Stores Equipment
ASSC76	101000	343000	Tools,Shop,Garage Equip	B01	Utility Plant Original Cost	A394	Tools, Shop, Garage Equip	A3435	Tools, Shop, Garage Equip
ASSC76	101000	343100	Tools,Shop,Garage Equip O	B01	Utility Plant Original Cost	A394	Tools, Shop, Garage Equip	A3435	Tools, Shop, Garage Equip
ASSC76	101000	344000	Laboratory Equipment	B01	Utility Plant Original Cost	A395	Laboratory Equipment	A3445	Laboratory Equipment
ASSC76	101000	344100	Laboratory Equip Other	B01	Utility Plant Original Cost	A395	Laboratory Equipment	A3445	Laboratory Equipment
ASSC76	101000	345000	Power Operated Equipment	B01	Utility Plant Original Cost	A396	Power Oper Equipment	A3455	Power Operated Equip
ASSC76	101000	345100	Power Oper Equip Other	B01	Utility Plant Original Cost	A396	Power Oper Equipment	A3455	Power Operated Equip
ASSC76	101000	346000	Comm Equip Not Classified	B01	Utility Plant Original Cost	A397	Communication Equip	A3465	Communication Equip
ASSC76	101000	346100	Comm Equip Non-Telephone	B01	Utility Plant Original Cost	A397	Communication Equip	A3465	Communication Equip
ASSC76	101000	346190	Remote Control & Instrume	B01	Utility Plant Original Cost	A397	Communication Equip	A3465	Communication Equip
ASSC76	101000	346200	Comm Equip Telephone	B01	Utility Plant Original Cost	A397	Communication Equip	A3465	Communication Equip
ASSC76	101000	346300	Comm Equip Other	B01	Utility Plant Original Cost	A397	Communication Equip	A3465	Communication Equip
ASSC76	101000	347000	Misc Equipment	B01	Utility Plant Original Cost	A398	Misc Equipment	A3475	Miscellaneous Equip
ASSC76	101000	348000	Other Tangible Property	B01	Utility Plant Original Cost	A399	Other Tangible Property	A3485	Other Tangible Plant
ASSC76	101000	351000	WW Organization	B01	Utility Plant Original Cost	A301	Organization	A3511	WW Organization
ASSC76	101000	352000	WW Franchises	B01	Utility Plant Original Cost	A302	Franchises & Consents	A3521	WW Franchises
ASSC76	101000	352200	WW Other Intangible Plt	B01	Utility Plant Original Cost	A303	Misc Intangible Plant	A3521	WW Franchises
ASSC76	101000	353200	WW Land & Ld Rights Coll	B01	Utility Plant Original Cost	A350	WW Land & Ld Rights Coll	A3532	WW Land & Ld Rights Coll
ASSC76	101000	353300	WW Land & Ld Rights SPP	B01	Utility Plant Original Cost	A360	WW Land & Ld Rights SPP	A3533	WW Land & Ld Rights SPP
ASSC76	101000	353400	WW Land & Ld Rights TDP	B01	Utility Plant Original Cost	A370	WW Land & Ld Rights TDP	A3534	WW Land & Ld Rights TDP
ASSC76	101000	353500	WW Land & Ld Rights Gen	B01	Utility Plant Original Cost	A389	Land & Land Rights AG	A3537	WW Land & Ld Rights Gen
ASSC76	101000	354200	WW Struct & Imp Coll	B01	Utility Plant Original Cost	A351	WW Struct & Imp Coll	A3542	WW Struct & Imp Coll
ASSC76	101000	354300	WW Struct & Imp SPP	B01	Utility Plant Original Cost	A361	WW Struct & Imp SPP	A3543	WW Struct & Imp SPP
ASSC76	101000	354400	WW Struct & Imp TDP	B01	Utility Plant Original Cost	A371	WW Struct & Imp TDP	A3544	WW Struct & Imp TDP
ASSC76	101000	354500	WW Struct & Imp Gen	B01	Utility Plant Original Cost	A390	Struct & Improve AG	A3547	WW Struct & Imp Gen
ASSC76	101000	354510	WW Struct & Imp Gen Lease	B01	Utility Plant Original Cost	A390	Struct & Improve AG	A3547	WW Struct & Imp Gen
ASSC76	101000	354515	WW Struct & Imp AG Wood	B01	Utility Plant Original Cost	A390	Struct & Improve AG	A3547	WW Struct & Imp Gen
ASSC76	101000	354520	WW Struct & Imp AG Masonr	B01	Utility Plant Original Cost	A390	Struct & Improve AG	A3547	WW Struct & Imp Gen

Workpaper

**Tennessee American Water Company
NARUC Master Chart of Accounts**

GMMCU	GMOBJ	GMSUB	GMDL01	GMR004	GMR00401	GMR021	GMR02101	GMR022	GMR02201
ASSC76	101000	354530	WW Struct & Imp AG Fencin	B01	Utility Plant Original Cost	A390	Struct & Improve AG	A3547	WW Struct & Imp Gen
ASSC76	101000	355200	WW Pwr Gen Equip Coll	B01	Utility Plant Original Cost	A356	WW Other Equip Coll	A3552	WW Pwr Gen Equip Coll
ASSC76	101000	355300	WW Pwr Gen Equip SPP	B01	Utility Plant Original Cost	A363	WW Elec Pump Equip SPP	A3553	WW Pwr Gen Equip SPP
ASSC76	101000	355400	WW Pwr Gen Equip TDP	B01	Utility Plant Original Cost	A372	WW TD Equipment	A3554	WW Pwr Gen Equip TDP
ASSC76	101000	355500	WW Pwr Gen Equip RWTP	B01	Utility Plant Original Cost	A372	WW TD Equipment	A3555	WW Pwr Gen Equip RWTP
ASSC76	101000	355600	WW Pwr Gen Equip RWDP	B01	Utility Plant Original Cost	A372	WW TD Equipment	A3556	WW Pwr Gen Equip RWDP
ASSC76	101000	360000	WW Collection Sewers Forc	B01	Utility Plant Original Cost	A3521	WW Collection Sewers Forc	A3602	WW Collection Sewers Forc
ASSC76	101000	361100	WW Collecting Mains	B01	Utility Plant Original Cost	A352	WW Collecting Mains	A3612	WW Collection Sewers Grav
ASSC76	101000	361101	WW Collecting Mains Other	B01	Utility Plant Original Cost	A352	WW Collecting Mains	A3612	WW Collection Sewers Grav
ASSC76	101000	362000	WW Special Coll Struct	B01	Utility Plant Original Cost	A3523	WW Special Coll Struct	A3622	WW Special Coll Struct
ASSC76	101000	363000	WW Services Sewer	B01	Utility Plant Original Cost	A353	WW Services Sewer	A3632	WW Services Sewer
ASSC76	101000	364000	WW Flow Measuring Devices	B01	Utility Plant Original Cost	A354	WW Flow Measuring Devices	A3642	WW Flow Measuring Devices
ASSC76	101000	365000	WW Flow Measuring Install	B01	Utility Plant Original Cost	A355	WW Flow Measuring Install	A3652	WW Flow Measuring Install
ASSC76	101000	370000	WW Receiving Wells	B01	Utility Plant Original Cost	A362	WW Receiving Wells	A3703	WW Receiving Wells
ASSC76	101000	371100	WW Pump Equip Elect	B01	Utility Plant Original Cost	A363	WW Elec Pump Equip SPP	A3713	WW Pumping Equipment
ASSC76	101000	371160	WW Pump Eq Elec <+5HP	B01	Utility Plant Original Cost	A363	WW Elec Pump Equip SPP	A3713	WW Pumping Equipment
ASSC76	101000	371170	WW Pump Eq Elec >5HP	B01	Utility Plant Original Cost	A365	WW Other Pump Equip SPP	A3713	WW Pumping Equipment
ASSC76	101000	371200	WW Pump Equip Oth Pwr	B01	Utility Plant Original Cost	A365	WW Other Pump Equip SPP	A3713	WW Pumping Equipment
ASSC76	101000	371300	WW Pump Equip Misc	B01	Utility Plant Original Cost	A365	WW Other Pump Equip SPP	A3713	WW Pumping Equipment
ASSC76	101000	380000	WW TD Equipment	B01	Utility Plant Original Cost	A372	WW TD Equipment	A3804	WW TD Equipment
ASSC76	101000	380050	WW TD Equip Grit Removal	B01	Utility Plant Original Cost	A372	WW TD Equipment	A3804	WW TD Equipment
ASSC76	101000	380100	WW TD Equip Sed Tanks/Acc	B01	Utility Plant Original Cost	A372	WW TD Equipment	A3804	WW TD Equipment
ASSC76	101000	380200	WW TD Equip Sldge/Effl Rm	B01	Utility Plant Original Cost	A372	WW TD Equipment	A3804	WW TD Equipment
ASSC76	101000	380250	WW TD Equip Sldge Dig Tnk	B01	Utility Plant Original Cost	A372	WW TD Equipment	A3804	WW TD Equipment
ASSC76	101000	380300	WW TD Equip Sldge Dry/Fil	B01	Utility Plant Original Cost	A372	WW TD Equipment	A3804	WW TD Equipment
ASSC76	101000	380350	WW TD Equip Sec Trmt Filt	B01	Utility Plant Original Cost	A372	WW TD Equipment	A3804	WW TD Equipment
ASSC76	101000	380400	WW TD Equip Aux Effl Trmt	B01	Utility Plant Original Cost	A372	WW TD Equipment	A3804	WW TD Equipment
ASSC76	101000	380450	WW TD Equip Oth Sew Rem	B01	Utility Plant Original Cost	A372	WW TD Equipment	A3804	WW TD Equipment
ASSC76	101000	380500	WW TD Equip Chem Trmt Plt	B01	Utility Plant Original Cost	A372	WW TD Equipment	A3804	WW TD Equipment
ASSC76	101000	380600	WW TD Equip Oth Disp	B01	Utility Plant Original Cost	A372	WW TD Equipment	A3804	WW TD Equipment
ASSC76	101000	380625	WW TD Equip Gen Trmt	B01	Utility Plant Original Cost	A372	WW TD Equipment	A3804	WW TD Equipment
ASSC76	101000	380650	WW TD Equip Influent Lift	B01	Utility Plant Original Cost	A372	WW TD Equipment	A3804	WW TD Equipment
ASSC76	101000	381000	WW Plant Sewers	B01	Utility Plant Original Cost	A373	WW Plant Sewers	A3814	WW Plant Sewers
ASSC76	101000	382000	WW Outfall Sewer Lines	B01	Utility Plant Original Cost	A374	WW Outfall Sewer Lines	A3824	WW Outfall Sewer Lines
ASSC76	101000	389100	WW Oth Plt & Misc Equip I	B01	Utility Plant Original Cost	A303	Misc Intangible Plant	A3891	WW Oth Plt&Misc Eq Intang
ASSC76	101000	389200	WW Oth Plt & Misc Equip C	B01	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	B01	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	B01	Utility Plant Original Cost	A375	WW Other TD Equip	A3894	WW Oth Plt&Misc Eq TDP
ASSC76	101000	389600	WW Other P/E-CPS	B01	Utility Plant Original Cost	A303	Misc Intangible Plant	A3891	WW Oth Plt&Misc Eq Intang
ASSC76	101000	390000	WW Office Furniture & Equ	B01	Utility Plant Original Cost	A391	Office Furniture & Equip	A3907	WW Office Furniture & Equ
ASSC76	101000	390200	WW Computers & Peripheral	B01	Utility Plant Original Cost	A391	Office Furniture & Equip	A3907	WW Office Furniture & Equ
ASSC76	101000	390300	WW Computer Software	B01	Utility Plant Original Cost	A391	Office Furniture & Equip	A3907	WW Office Furniture & Equ
ASSC76	101000	391000	WW Trans Equipment	B01	Utility Plant Original Cost	A392	Transportation Equip	A3917	WW Transportation Equip
ASSC76	101000	391100	WW Trans Equip Lt Dty Trk	B01	Utility Plant Original Cost	A392	Transportation Equip	A3917	WW Transportation Equip
ASSC76	101000	391200	WW Trans Equip Hvy Dty Tr	B01	Utility Plant Original Cost	A392	Transportation Equip	A3917	WW Transportation Equip
ASSC76	101000	392000	WW Stores Equipment	B01	Utility Plant Original Cost	A393	Stores Equipment	A3927	WW Stores Equip
ASSC76	101000	393000	WW Tool Shop & Garage Equ	B01	Utility Plant Original Cost	A394	Tools, Shop, Garage Equip	A3937	WW Tools,Shop,Garage Equi
ASSC76	101000	394000	WW Laboratory Equipment	B01	Utility Plant Original Cost	A395	Laboratory Equipment	A3947	WW Laboratory Equipment
ASSC76	101000	395000	WW Power Operated Equip	B01	Utility Plant Original Cost	A396	Power Oper Equipment	A3957	WW Power Operated Equip
ASSC76	101000	396000	WW Communication Equip	B01	Utility Plant Original Cost	A397	Communication Equip	A3967	WW Communications Equip
ASSC76	101000	397000	WW Misc Equipment	B01	Utility Plant Original Cost	A398	Misc Equipment	A3977	WW Misc Equipment
ASSC76	101000	398000	WW Other Tangible Plant	B01	Utility Plant Original Cost	A399	Other Tangible Property	A3987	WW Other Tangible Propert
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

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Tennessee American Water Company
NARUC Master Chart of Accounts

GMMCU	GMOBJ	GMSUB	GMDL01	GMR004	GMR00401	GMR021	GMR02101	GMR022	GMR02201
ASSC84	101000	311509	Pump Equip Other MA	B01	Utility Plant Original Cost	B3112	Pumping Equipment	B324	Pumping Equipment
ASSC84	101000	311510	Pump Equip Other MA	B01	Utility Plant Original Cost	B3112	Pumping Equipment	B324	Pumping Equipment
ASSC84	101000	311511	Pump Equip Other MA	B01	Utility Plant Original Cost	B3112	Pumping Equipment	B324	Pumping Equipment
ASSC84	101000	311512	Pump Equip Other MA	B01	Utility Plant Original Cost	B3112	Pumping Equipment	B324	Pumping Equipment
ASSC84	101000	311513	Pump Equip Other MA	B01	Utility Plant Original Cost	B3112	Pumping Equipment	B324	Pumping Equipment
ASSC84	101000	311514	Pump Equip Other MA	B01	Utility Plant Original Cost	B3112	Pumping Equipment	B324	Pumping Equipment
ASSC84	101000	311515	Pump Equip Other MA	B01	Utility Plant Original Cost	B3112	Pumping Equipment	B324	Pumping Equipment
ASSC84	101000	311516	Pump Equip Other MA	B01	Utility Plant Original Cost	B3112	Pumping Equipment	B324	Pumping Equipment
ASSC84	101000	311520	Pumping Equipment SS	B01	Utility Plant Original Cost	B3112	Pumping Equipment	B324	Pumping Equipment
ASSC84	101000	311530	Pumping Equipment WT	B01	Utility Plant Original Cost	B3112	Pumping Equipment	B332	Water Treatment Equipment
ASSC84	101000	311540	Pumping Equipment TD	B01	Utility Plant Original Cost	B3112	Pumping Equipment	B324	Pumping Equipment
ASSC84	101000	311550	Pump Equip Other TD	B01	Utility Plant Original Cost	B3112	Pumping Equipment	B324	Pumping Equipment
ASSC84	101000	320100	WT Equip Non-Media	B01	Utility Plant Original Cost	B3203	Water Treatment Equipment	B332	Water Treatment Equipment
ASSC84	101000	320110	WT Equip Purification (LI	B01	Utility Plant Original Cost	B3203	Water Treatment Equipment	B332	Water Treatment Equipment
ASSC84	101000	320120	WT Equip Non-Med North (S	B01	Utility Plant Original Cost	B3203	Water Treatment Equipment	B332	Water Treatment Equipment
ASSC84	101000	320130	WT Equip Non Media Ctrl 1	B01	Utility Plant Original Cost	B3203	Water Treatment Equipment	B332	Water Treatment Equipment
ASSC84	101000	320140	WT Equip Non Media Ctrl 3	B01	Utility Plant Original Cost	B3203	Water Treatment Equipment	B332	Water Treatment Equipment
ASSC84	101000	320150	WT Equip Non Media Sth (S	B01	Utility Plant Original Cost	B3203	Water Treatment Equipment	B332	Water Treatment Equipment
ASSC84	101000	320160	WT Equip Non Media Mer (S	B01	Utility Plant Original Cost	B3203	Water Treatment Equipment	B332	Water Treatment Equipment
ASSC84	101000	320190	WT Equip Set Basin,Clear	B01	Utility Plant Original Cost	B3203	Water Treatment Equipment	B332	Water Treatment Equipment
ASSC84	101000	320191	WT Equip Filter Plant Pip	B01	Utility Plant Original Cost	B3203	Water Treatment Equipment	B332	Water Treatment Equipment
ASSC84	101000	320192	WT Equip Wash Water Tank	B01	Utility Plant Original Cost	B3203	Water Treatment Equipment	B332	Water Treatment Equipment
ASSC84	101000	320193	WT Equip Chemical Feed (I	B01	Utility Plant Original Cost	B3203	Water Treatment Equipment	B332	Water Treatment Equipment
ASSC84	101000	320200	WT Equip Filter Media	B01	Utility Plant Original Cost	B3203	Water Treatment Equipment	B332	Water Treatment Equipment
ASSC84	101000	320400	WT Equip Waste Handling (	B01	Utility Plant Original Cost	B3203	Water Treatment Equipment	B332	Water Treatment Equipment
ASSC84	101000	320500	WT Equip Pur Sys Lg (PA)	B01	Utility Plant Original Cost	B3203	Water Treatment Equipment	B332	Water Treatment Equipment
ASSC84	101000	320502	WT Equip Pur Sys Lg Repai	B01	Utility Plant Original Cost	B3203	Water Treatment Equipment	B332	Water Treatment Equipment
ASSC84	101000	330000	Dist Reservoirs & Standpi	B01	Utility Plant Original Cost	B3304	Dist Reservoirs & Standpi	B342	Resorviours and Tanks
ASSC84	101000	330002	Dist Res & Stand Orig Pai	B01	Utility Plant Original Cost	B3304	Dist Reservoirs & Standpi	B342	Resorviours and Tanks
ASSC84	101000	330003	Dist Res & Stand Orig Rep	B01	Utility Plant Original Cost	B3304	Dist Reservoirs & Standpi	B342	Resorviours and Tanks
ASSC84	101000	330020	Dist Res & Stand MA	B01	Utility Plant Original Cost	B3304	Dist Reservoirs & Standpi	B342	Resorviours and Tanks
ASSC84	101000	330021	Dist Res & Stand MA	B01	Utility Plant Original Cost	B3304	Dist Reservoirs & Standpi	B342	Resorviours and Tanks
ASSC84	101000	330022	Dist Res & Stand MA	B01	Utility Plant Original Cost	B3304	Dist Reservoirs & Standpi	B342	Resorviours and Tanks
ASSC84	101000	330023	Dist Res & Stand MA	B01	Utility Plant Original Cost	B3304	Dist Reservoirs & Standpi	B342	Resorviours and Tanks
ASSC84	101000	330024	Dist Res & Stand MA	B01	Utility Plant Original Cost	B3304	Dist Reservoirs & Standpi	B342	Resorviours and Tanks
ASSC84	101000	330100	Elevated Tanks & Standpip	B01	Utility Plant Original Cost	B3304	Dist Reservoirs & Standpi	B342	Resorviours and Tanks
ASSC84	101000	330200	Ground Level Facilities	B01	Utility Plant Original Cost	B3304	Dist Reservoirs & Standpi	B342	Resorviours and Tanks
ASSC84	101000	330300	Below Grade Facilities	B01	Utility Plant Original Cost	B3304	Dist Reservoirs & Standpi	B342	Resorviours and Tanks
ASSC84	101000	330400	Clearwell	B01	Utility Plant Original Cost	B3304	Dist Reservoirs & Standpi	B342	Resorviours and Tanks
ASSC84	101000	331001	TD Mains Not Classified b	B01	Utility Plant Original Cost	B3314	TD Mains	B343	Transmission and Distribu
ASSC84	101000	331002	TD Mains (CT)	B01	Utility Plant Original Cost	B3314	TD Mains	B343	Transmission and Distribu
ASSC84	101000	331003	TD Mains Paving (LI)	B01	Utility Plant Original Cost	B3314	TD Mains	B343	Transmission and Distribu
ASSC84	101000	331100	TD Mains 4in & Less	B01	Utility Plant Original Cost	B3314	TD Mains	B343	Transmission and Distribu
ASSC84	101000	331101	TD Mains 4in & Less Nth (	B01	Utility Plant Original Cost	B3314	TD Mains	B343	Transmission and Distribu
ASSC84	101000	331200	TD Mains 6in to 8in	B01	Utility Plant Original Cost	B3314	TD Mains	B343	Transmission and Distribu
ASSC84	101000	331210	TD Mains 6in to 10in (TN)	B01	Utility Plant Original Cost	B3314	TD Mains	B343	Transmission and Distribu
ASSC84	101000	331230	TD Mains 6in & Grtr (LI)	B01	Utility Plant Original Cost	B3314	TD Mains	B343	Transmission and Distribu
ASSC84	101000	331300	TD Mains 10in to 16in	B01	Utility Plant Original Cost	B3314	TD Mains	B343	Transmission and Distribu
ASSC84	101000	331350	TD Mains 12in & Grtr (TN)	B01	Utility Plant Original Cost	B3314	TD Mains	B343	Transmission and Distribu
ASSC84	101000	331400	TD Mains 18in & Grtr	B01	Utility Plant Original Cost	B3314	TD Mains	B343	Transmission and Distribu
ASSC84	101000	331500	TD Mains Bridgeport (CN)	B01	Utility Plant Original Cost	B3314	TD Mains	B343	Transmission and Distribu
ASSC84	101000	331601	TD Mains AC 4in (STL)	B01	Utility Plant Original Cost	B3314	TD Mains	B343	Transmission and Distribu
ASSC84	101000	331602	TD Mains CI <10in 1900-28	B01	Utility Plant Original Cost	B3314	TD Mains	B343	Transmission and Distribu
ASSC84	101000	331603	TD Mains CI <10in 1929-56	B01	Utility Plant Original Cost	B3314	TD Mains	B343	Transmission and Distribu
ASSC84	101000	331604	TD Mains CI <10in 1957-93	B01	Utility Plant Original Cost	B3314	TD Mains	B343	Transmission and Distribu
ASSC84	101000	331605	TD Mains CI 12in (STL)	B01	Utility Plant Original Cost	B3314	TD Mains	B343	Transmission and Distribu
ASSC84	101000	331606	TD Mains CI 16in (STL)	B01	Utility Plant Original Cost	B3314	TD Mains	B343	Transmission and Distribu
ASSC84	101000	331607	TD Mains DI 6in (STL)	B01	Utility Plant Original Cost	B3314	TD Mains	B343	Transmission and Distribu
ASSC84	101000	331608	TD Mains DI 12in (STL)	B01	Utility Plant Original Cost	B3314	TD Mains	B343	Transmission and Distribu
ASSC84	101000	331609	TD Mains DI 16in (STL)	B01	Utility Plant Original Cost	B3314	TD Mains	B343	Transmission and Distribu
ASSC84	101000	331610	TD Mains Galve 1in (STL)	B01	Utility Plant Original Cost	B3314	TD Mains	B343	Transmission and Distribu
ASSC84	101000	331611	TD Mains LJ 20in (STL)	B01	Utility Plant Original Cost	B3314	TD Mains	B343	Transmission and Distribu
ASSC84	101000	331612	TD Main PL 6-8in (STL)	B01	Utility Plant Original Cost	B3314	TD Mains	B343	Transmission and Distribu
ASSC84	101000	331613	TD Main PL 12in (STL)	B01	Utility Plant Original Cost	B3314	TD Mains	B343	Transmission and Distribu
ASSC84	101000	331614	TD Main DI 4in (STL)	B01	Utility Plant Original Cost	B3314	TD Mains	B343	Transmission and Distribu
ASSC84	101000	331615	TD Mains DI 24in	B01	Utility Plant Original Cost	B3314	TD Mains	B343	Transmission and Distribu
ASSC84	101000	331616	TD Main DI 10in (STL)	B01	Utility Plant Original Cost	B3314	TD Mains	B343	Transmission and Distribu
ASSC84	101000	332000	Fire Mains	B01	Utility Plant Original Cost	B3314	TD Mains	B344	Fire Mains
ASSC84	101000	333000	Services	B01	Utility Plant Original Cost	B3334	Services	B345	Services
ASSC84	101000	334100	Meters	B01	Utility Plant Original Cost	B3344	Meters & Meter Installati	B346	Meters
ASSC84	101000	334110	Meters Bronze Case	B01	Utility Plant Original Cost	B3344	Meters & Meter Installati	B346	Meters
ASSC84	101000	334120	Meters Plastic Case	B01	Utility Plant Original Cost	B3344	Meters & Meter Installati	B346	Meters
ASSC84	101000	334130	Meters Other	B01	Utility Plant Original Cost	B3344	Meters & Meter Installati	B346	Meters
ASSC84	101000	334131	Meters Other-Rem Rdr Unts	B01	Utility Plant Original Cost	B3344	Meters & Meter Installati	B346	Meters
ASSC84	101000	334200	Meter Installations	B01	Utility Plant Original Cost	B3344	Meters & Meter Installati	B347	Meter Installations
ASSC84	101000	334201	Meter Installation Other	B01	Utility Plant Original Cost	B3344	Meters & Meter Installati	B347	Meter Installations
ASSC84	101000	334300	Meter Vaults	B01	Utility Plant Original Cost	B3344	Meters & Meter Installati	B346	Meters
ASSC84	101000	335000	Hydrants	B01	Utility Plant Original Cost	B3354	Hydrants	B348	Hydrants
ASSC84	101000	336000	Backflow Prevention Devic	B01	Utility Plant Original Cost	B3334	Services	B345	Services
ASSC84	101000	339100	Other P/E Intangible	B01	Utility Plant Original Cost	B3391	Other Plant & Equip Intan	B303	Other intangible Plant
ASSC84	101000	339200	Other P/E SS	B01	Utility Plant Original Cost	B3392	Other Plant & Equip SS	B317	Other Source of Supply PI

Tennessee American Water Company
NARUC Master Chart of Accounts

GMMCU	GMOBJ	GMSUB	GMDL01	GMR004	GMR00401	GMR021	GMR02101	GMR022	GMR02201
ASSC84	101000	339300	Other P/E WT	B01	Utility Plant Original Cost	B3393	Other Plant & Equip WT	B332	Water Treatment Equipment
ASSC84	101000	339400	Other P/E WT Res Hand Equ	B01	Utility Plant Original Cost	B3393	Other Plant & Equip WT	B332	Water Treatment Equipment
ASSC84	101000	339500	Other P/E TD	B01	Utility Plant Original Cost	B3394	Other Plant & Equip TD	B349	Other Transmission and Di
ASSC84	101000	339600	Other P/E CPS	B01	Utility Plant Original Cost	B3391	Other Plant & Equip Intan	B303	Other intangible Plant
ASSC84	101000	340100	Office Furniture & Equip	B01	Utility Plant Original Cost	B3405	Office Furniture & Equip	B372	Office Furniture and Equi
ASSC84	101000	340200	Comp & Periph Equip	B01	Utility Plant Original Cost	B3405	Office Furniture & Equip	B372	Office Furniture and Equi
ASSC84	101000	340210	Comp & Periph Mainframe	B01	Utility Plant Original Cost	B3405	Office Furniture & Equip	B372	Office Furniture and Equi
ASSC84	101000	340220	Comp & Periph Personal	B01	Utility Plant Original Cost	B3405	Office Furniture & Equip	B372	Office Furniture and Equi
ASSC84	101000	340230	Comp & Periph Other	B01	Utility Plant Original Cost	B3405	Office Furniture & Equip	B372	Office Furniture and Equi
ASSC84	101000	340240	Comp & Periph Capital Lea	B01	Utility Plant Original Cost	B3405	Office Furniture & Equip	B372	Office Furniture and Equi
ASSC84	101000	340300	Computer Software	B01	Utility Plant Original Cost	B3405	Office Furniture & Equip	B372	Office Furniture and Equi
ASSC84	101000	340310	Comp Software Mainframe	B01	Utility Plant Original Cost	B3405	Office Furniture & Equip	B372	Office Furniture and Equi
ASSC84	101000	340315	Comp Software Special Dep	B01	Utility Plant Original Cost	B3405	Office Furniture & Equip	B372	Office Furniture and Equi
ASSC84	101000	340320	Comp Software Personal	B01	Utility Plant Original Cost	B3405	Office Furniture & Equip	B372	Office Furniture and Equi
ASSC84	101000	340325	Comp Software Customized	B01	Utility Plant Original Cost	B3405	Office Furniture & Equip	B372	Office Furniture and Equi
ASSC84	101000	340330	Comp Software Other	B01	Utility Plant Original Cost	B3405	Office Furniture & Equip	B372	Office Furniture and Equi
ASSC84	101000	340400	Data Handling Equipment	B01	Utility Plant Original Cost	B3405	Office Furniture & Equip	B372	Office Furniture and Equi
ASSC84	101000	340500	Other Office Equipment	B01	Utility Plant Original Cost	B3405	Office Furniture & Equip	B372	Office Furniture and Equi
ASSC84	101000	340501	Other Off Equip MA	B01	Utility Plant Original Cost	B3405	Office Furniture & Equip	B372	Office Furniture and Equi
ASSC84	101000	341001	Trans Equip Not Classifie	B01	Utility Plant Original Cost	B3415	Transportation Equip	B373	Transportation Equipment
ASSC84	101000	341100	Trans Equip Lt Duty Trks	B01	Utility Plant Original Cost	B3415	Transportation Equip	B373	Transportation Equipment
ASSC84	101000	341200	Trans Equip Hvy Duty Trks	B01	Utility Plant Original Cost	B3415	Transportation Equip	B373	Transportation Equipment
ASSC84	101000	341300	Trans Equip Autos	B01	Utility Plant Original Cost	B3415	Transportation Equip	B373	Transportation Equipment
ASSC84	101000	341400	Trans Equip Other	B01	Utility Plant Original Cost	B3415	Transportation Equip	B373	Transportation Equipment
ASSC84	101000	342000	Stores Equipment	B01	Utility Plant Original Cost	B3425	Stores Equipment	B374	Stores Equipment
ASSC84	101000	343000	Tools,Shop,Garage Equip	B01	Utility Plant Original Cost	B3435	Tools, Shop, Garage Equip	B378	Tools, Shop and Garage Eq
ASSC84	101000	343100	Tools,Shop,Garage Equip O	B01	Utility Plant Original Cost	B3435	Tools, Shop, Garage Equip	B378	Tools, Shop and Garage Eq
ASSC84	101000	344000	Laboratory Equipment	B01	Utility Plant Original Cost	B3445	Laboratory Equipment	B375	Laboratory Equipment
ASSC84	101000	344100	Laboratory Equip Other	B01	Utility Plant Original Cost	B3445	Laboratory Equipment	B375	Laboratory Equipment
ASSC84	101000	345000	Power Operated Equipment	B01	Utility Plant Original Cost	B3455	Power Operated Equip	B377	Power Operated Equipment
ASSC84	101000	345100	Power Oper Equip Other	B01	Utility Plant Original Cost	B3455	Power Operated Equip	B377	Power Operated Equipment
ASSC84	101000	346000	Comm Equip Not Classified	B01	Utility Plant Original Cost	B3465	Communication Equip	B376	Communication Equipment
ASSC84	101000	346100	Comm Equip Non-Telephone	B01	Utility Plant Original Cost	B3465	Communication Equip	B376	Communication Equipment
ASSC84	101000	346190	Remote Control & Instrume	B01	Utility Plant Original Cost	B3465	Communication Equip	B376	Communication Equipment
ASSC84	101000	346200	Comm Equip Telephone	B01	Utility Plant Original Cost	B3465	Communication Equip	B376	Communication Equipment
ASSC84	101000	346300	Comm Equip Other	B01	Utility Plant Original Cost	B3465	Communication Equip	B376	Communication Equipment
ASSC84	101000	347000	Misc Equipment	B01	Utility Plant Original Cost	B3475	Miscellaneous Equip	B379	Other General Plant
ASSC84	101000	348000	Other Tangible Property	B01	Utility Plant Original Cost	B3485	Other Tangible Plant	B379	Other General Plant
ASSC84	101000	351000	WW Organization	B01	Utility Plant Original Cost	B3511	Organization SWR	B301	Organization
ASSC84	101000	352000	WW Franchises	B01	Utility Plant Original Cost	B3521	Franchises SWR	B302	Franchises and Consents
ASSC84	101000	352200	WW Other Intangible Plt	B01	Utility Plant Original Cost	B3521	Franchises SWR	B303	Other intangible Plant
ASSC84	101000	353200	WW Land & Ld Rights Coll	B01	Utility Plant Original Cost	B3532	Land & Ld Rights Coll SWR	B306	Land and Land Rights
ASSC84	101000	353300	WW Land & Ld Rights SPP	B01	Utility Plant Original Cost	B3533	Land & Ld Rights SPP SWR	B306	Land and Land Rights
ASSC84	101000	353400	WW Land & Ld Rights TDP	B01	Utility Plant Original Cost	B3534	Land & Ld Rights TDP SWR	B306	Land and Land Rights
ASSC84	101000	353500	WW Land & Ld Rights Gen	B01	Utility Plant Original Cost	B3535	Land & Ld Rights Gen SWR	B306	Land and Land Rights
ASSC84	101000	354200	WW Struct & Imp Coll	B01	Utility Plant Original Cost	B3542	Struct & Imp Coll SWR	B311	Structures and Improvemen
ASSC84	101000	354300	WW Struct & Imp SPP	B01	Utility Plant Original Cost	B3543	Struct & Imp SPP SWR	B321	Structures and Improvemen
ASSC84	101000	354400	WW Struct & Imp TDP	B01	Utility Plant Original Cost	B3544	Struct & Imp TDP SWR	B341	Structures and Improvemen
ASSC84	101000	354500	WW Struct & Imp Gen	B01	Utility Plant Original Cost	B3545	Struct & Imp Gen SWR	B371	Structures and Improvemen
ASSC84	101000	354510	WW Struct & Imp Gen Lease	B01	Utility Plant Original Cost	B3545	Struct & Imp Gen SWR	B371	Structures and Improvemen
ASSC84	101000	354515	WW Struct & Imp AG Wood	B01	Utility Plant Original Cost	B3545	Struct & Imp Gen SWR	B371	Structures and Improvemen
ASSC84	101000	354520	WW Struct & Imp AG Masonr	B01	Utility Plant Original Cost	B3545	Struct & Imp Gen SWR	B371	Structures and Improvemen
ASSC84	101000	354530	WW Struct & Imp AG Fencin	B01	Utility Plant Original Cost	B3545	Struct & Imp Gen SWR	B371	Structures and Improvemen
ASSC84	101000	355200	WW Pwr Gen Equip Coll	B01	Utility Plant Original Cost	B3713	Pumping Equipment SWR	B323	Other Power Production Eq
ASSC84	101000	355300	WW Pwr Gen Equip SPP	B01	Utility Plant Original Cost	B3713	Pumping Equipment SWR	B323	Other Power Production Eq
ASSC84	101000	355400	WW Pwr Gen Equip TDP	B01	Utility Plant Original Cost	B3713	Pumping Equipment SWR	B323	Other Power Production Eq
ASSC84	101000	355500	WW Pwr Gen Equip RWTP	B01	Utility Plant Original Cost	B3713	Pumping Equipment SWR	B323	Other Power Production Eq
ASSC84	101000	355600	WW Pwr Gen Equip RWDP	B01	Utility Plant Original Cost	B3713	Pumping Equipment SWR	B323	Other Power Production Eq
ASSC84	101000	360000	WW Collection Sewers Forc	B01	Utility Plant Original Cost	B3602	Collection Sewers Force S	B316	Supply Mains
ASSC84	101000	361100	WW Collecting Mains	B01	Utility Plant Original Cost	B3612	Collection Sewers Gravity	B316	Supply Mains
ASSC84	101000	361101	WW Collecting Mains Other	B01	Utility Plant Original Cost	B3612	Collection Sewers Gravity	B316	Supply Mains
ASSC84	101000	362000	WW Special Coll Struct	B01	Utility Plant Original Cost	B3622	Special Collecting Struct	B311	Structures and Improvemen
ASSC84	101000	363000	WW Services Sewer	B01	Utility Plant Original Cost	B3632	Services SWR	B345	Services
ASSC84	101000	364000	WW Flow Measuring Devices	B01	Utility Plant Original Cost	B3642	Flow Measuring Devices SW	B346	Meters
ASSC84	101000	365000	WW Flow Measuring Install	B01	Utility Plant Original Cost	B3652	Flow Measuring Install SW	B347	Meter Installations
ASSC84	101000	370000	WW Receiving Wells	B01	Utility Plant Original Cost	B3703	Receiving Wells SWR	B315	Wells
ASSC84	101000	371100	WW Pump Equip Elect	B01	Utility Plant Original Cost	B3713	Pumping Equipment SWR	B324	Pumping Equipment
ASSC84	101000	371160	WW Pump Eq Elec <=5HP	B01	Utility Plant Original Cost	B3713	Pumping Equipment SWR	B324	Pumping Equipment
ASSC84	101000	371170	WW Pump Eq Elec >5HP	B01	Utility Plant Original Cost	B3713	Pumping Equipment SWR	B324	Pumping Equipment
ASSC84	101000	371200	WW Pump Equip Oth Pwr	B01	Utility Plant Original Cost	B3713	Pumping Equipment SWR	B324	Pumping Equipment
ASSC84	101000	371300	WW Pump Equip Misc	B01	Utility Plant Original Cost	B3713	Pumping Equipment SWR	B324	Pumping Equipment
ASSC84	101000	380000	WW TD Equipment	B01	Utility Plant Original Cost	B3804	Trmt & Disp Equipment SWR	B349	Other Transmission and Di
ASSC84	101000	380050	WW TD Equip Grit Removal	B01	Utility Plant Original Cost	B3804	Trmt & Disp Equipment SWR	B349	Other Transmission and Di
ASSC84	101000	380100	WW TD Equip Sed Tanks/Acc	B01	Utility Plant Original Cost	B3804	Trmt & Disp Equipment SWR	B349	Other Transmission and Di
ASSC84	101000	380200	WW TD Equip Sldge/Effl Rm	B01	Utility Plant Original Cost	B3804	Trmt & Disp Equipment SWR	B349	Other Transmission and Di
ASSC84	101000	380250	WW TD Equip Sldge Dig Trnk	B01	Utility Plant Original Cost	B3804	Trmt & Disp Equipment SWR	B349	Other Transmission and Di
ASSC84	101000	380300	WW TD Equip Sldge Dry/Fil	B01	Utility Plant Original Cost	B3804	Trmt & Disp Equipment SWR	B349	Other Transmission and Di
ASSC84	101000	380350	WW TD Equip Sec Trmt Filtr	B01	Utility Plant Original Cost	B3804	Trmt & Disp Equipment SWR	B349	Other Transmission and Di
ASSC84	101000	380400	WW TD Equip Aux Effl Trmt	B01	Utility Plant Original Cost	B3804	Trmt & Disp Equipment SWR	B349	Other Transmission and Di
ASSC84	101000	380450	WW TD Equip Oth Sew Rem	B01	Utility Plant Original Cost	B3804	Trmt & Disp Equipment SWR	B349	Other Transmission and Di
ASSC84	101000	380500	WW TD Equip Chem Trmt Plt	B01	Utility Plant Original Cost	B3804	Trmt & Disp Equipment SWR	B349	Other Transmission and Di

Workpaper

**Tennessee American Water Company
NARUC Master Chart of Accounts**

GMMCU	GMOBJ	GMSUB	GMDL01	GMR004	GMR00401	GMR021	GMR02101	GMR022	GMR02201
ASSC84	101000	380600	WW TD Equip Oth Disp	B01	Utility Plant Original Cost	B3804	Trmt & Disp Equipment SWR	B349	Other Transmission and Di
ASSC84	101000	380625	WW TD Equip Gen Trmt	B01	Utility Plant Original Cost	B3804	Trmt & Disp Equipment SWR	B349	Other Transmission and Di
ASSC84	101000	380650	WW TD Equip Influent Lift	B01	Utility Plant Original Cost	B3804	Trmt & Disp Equipment SWR	B349	Other Transmission and Di
ASSC84	101000	381000	WW Plant Sewers	B01	Utility Plant Original Cost	B3814	Plant Sewers SWR	B343	Transmission and Distribu
ASSC84	101000	382000	WW Outfall Sewer Lines	B01	Utility Plant Original Cost	B3824	Outfall Sewer Lines	B343	Transmission and Distribu
ASSC84	101000	389100	WW Oth Plt & Misc Equip I	B01	Utility Plant Original Cost	B3891	Oth Plnt & Misc Equip Int	B303	Other intangible Plant
ASSC84	101000	389200	WW Oth Plt & Misc Equip C	B01	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	B01	Utility Plant Original Cost	B3893	Oth Plnt & Misc Equip SPP	B325	Other Pumping Plant
ASSC84	101000	389400	WW Oth Plt & Misc Equip T	B01	Utility Plant Original Cost	B3894	Oth Plnt & Misc Equip TDP	B349	Other Transmission and Di
ASSC84	101000	389600	WW Other P/E-CPS	B01	Utility Plant Original Cost	B3891	Oth Plnt & Misc Equip Int	B303	Other intangible Plant
ASSC84	101000	390000	WW Office Furniture & Equ	B01	Utility Plant Original Cost	B3905	Other Furn & Equipment SW	B372	Office Furniture and Equi
ASSC84	101000	390200	WW Computers & Peripheral	B01	Utility Plant Original Cost	B3905	Other Furn & Equipment SW	B372	Office Furniture and Equi
ASSC84	101000	390300	WW Computer Software	B01	Utility Plant Original Cost	B3905	Other Furn & Equipment SW	B372	Office Furniture and Equi
ASSC84	101000	391000	WW Trans Equipment	B01	Utility Plant Original Cost	B3915	Transportation Equip SWR	B373	Transportation Equipment
ASSC84	101000	391100	WW Trans Equip Lt Dty Trk	B01	Utility Plant Original Cost	B3915	Transportation Equip SWR	B373	Transportation Equipment
ASSC84	101000	391200	WW Trans Equip Hvy Dty Tr	B01	Utility Plant Original Cost	B3915	Transportation Equip SWR	B373	Transportation Equipment
ASSC84	101000	392000	WW Stores Equipment	B01	Utility Plant Original Cost	B3925	Stores Equipment SWR	B374	Stores Equipment
ASSC84	101000	393000	WW Tool Shop & Garage Equ	B01	Utility Plant Original Cost	B3935	Tools, Shop, Garage Equip	B378	Tools, Shop and Garage Eq
ASSC84	101000	394000	WW Laboratory Equipment	B01	Utility Plant Original Cost	B3945	Laboratory Equipment SWR	B375	Laboratory Equipment
ASSC84	101000	395000	WW Power Operated Equip	B01	Utility Plant Original Cost	B3955	Power Operated Equip SWR	B377	Power Operated Equipment
ASSC84	101000	396000	WW Communication Equip	B01	Utility Plant Original Cost	B3965	Communication Equip SWR	B376	Communication Equipment
ASSC84	101000	397000	WW Misc Equipment	B01	Utility Plant Original Cost	B3975	Miscellaneous Equip SWR	B379	Other General Plant
ASSC84	101000	398000	WW Other Tangible Plant	B01	Utility Plant Original Cost	B3985	Other Tangible Plant SWR	B390	Other Tangible Property

Tennessee American Water
 SCEP Monthly Utility Account In-Serviced Worksheet

fp_number	est_in_service_date	fp_descr	budget_version	year	2012
RP-2602-A1	12/31/2016 0:00	Mains - New	2011-2016 BP	Inservice	96,728.00
RP-2602-B1	12/31/2016 0:00	Mains - Replaced/Restored	2011-2016 BP	CWIP	1,450,000.00
		3 month CWIP Lag		CWIP	331.00
				CWIP	333.00
				Inservice	335.00
				Inservice	333.00
				Inservice	335.00
RP-2602-C1	12/31/2016 0:00	Mains - Unscheduled	2011-2016 BP		150,000.00
RP-2602-D1	12/31/2016 0:00	Mains - Relocated	2011-2016 BP	CWIP	770,000.00
				CWIP	331.00
				CWIP	333.00
				CWIP	335.00
				Inservice	331.00
				Inservice	333.00
				Inservice	335.00
RP-2602-E1	12/31/2016 0:00	Hydrants, Valves, and Manholes - New	2011-2016 BP		38,162.24
					331.00
					335.00
RP-2602-F1	12/31/2016 0:00	Hydrants, Valves, and Manholes - Replaced	2011-2016 BP		90,000.00
					331.00
					335.00
RP-2602-G1	12/31/2016 0:00	Services and Laterals - New	2011-2016 BP		450,000.00
RP-2602-H1	12/31/2016 0:00	Services and Laterals - Replaced	2011-2016 BP		382,000.00
RP-2602-I1	12/31/2016 0:00	Meters - New	2011-2016 BP		485,000.00
				334100	311,370.00
				334200	173,630.00
RP-2602-J1	12/31/2016 0:00	Meters - Replaced	2011-2016 BP		777,000.00
					334,100.00
					334,200.00
RP-2602-K1	12/31/2016 0:00	ITS Equipment and Systems	2011-2016 BP		204,075.00
RP-2602-L1	12/31/2016 0:00	SCADA Equipment and Systems	2011-2016 BP		70,000.00
RP-2602-M1	12/31/2016 0:00	Security Equipment and Systems	2011-2016 BP		80,000.00
RP-2602-N1	12/31/2016 0:00	Offices and Operations Centers	2011-2016 BP		20,600.00
RP-2602-O1	12/31/2016 0:00	Vehicles	2011-2016 BP		335,000.00
			341100		64,655.00
			341200		213,060.00
			341300		57,285.00
RP-2602-P1	12/31/2016 0:00	Tools and Equipment	2011-2016 BP		36,000.00
RP-2602-Q1	12/31/2016 0:00	Process Plant Facilities and Equipment	2011-2016 BP		721,000.00
				320200	415,606.03
				311520	151,604.67
				304200	153,789.30
RP-2602-R1	12/31/2016 0:00	Capitalized Tank Rehabilitation/Painting	2011-2016 BP		870,064.00
RP-2602-S1	12/31/2016 0:00	Engineering Studies	2011-2016 BP		69,470.12
RP-2603-G1	12/31/2015 0:00	Services and Laterals - New	2011-2016 BP		0.00
RP-2603-I1	12/31/2015 0:00	Meters - New	2011-2016 BP		0.00
RP-2603-K1	12/31/2016 0:00	ITS Equipment and Systems	2011-2016 BP		11,700.00
RP-2603-Q1	12/31/2015 0:00	Process Plant Facilities and Equipment	2011-2016 BP		0.00
RP-2603-R1	12/31/2015 0:00	Capitalized Tank Rehabilitation/Painting	2011-2016 BP		0.00
RP-2604-G1	12/31/2015 0:00	Services and Laterals - New	2011-2016 BP		0.00
RP-2604-I1	12/31/2015 0:00	Meters - New	2011-2016 BP		0.00
DV-2602-1	12/31/2016 0:00	PROJECTS FUNDED BY OTHERS	2011-2016 BP		1,729,341.65
				CWIP	0.9550
				CWIP	0.0230
				CWIP	0.0220
				Inservice	
				Inservice	
					2,572,816.00
CS-2602-3	12/31/2014 0:00	Business Transformation	2011-2016 BP		2012
CS-2602-4	12/31/2013 0:00	Business Transformation - Other	2011-2016 BP		56,696.00
IP-2602-15	12/31/2011 0:00	Dummy Unbudgeted Amount	2011-2016 BP		0.00
IP-2602-18	12/30/2016 0:00	Electrical Motor Efficiency Enhance	2011-2016 BP		0.00
IP-2602-19	12/31/2016 0:00	NRW Pressure Reduction	2011-2016 BP		100,000.00
IP-2602-20	12/31/2015 0:00	Interconnects Adjacent Water UD	2011-2016 BP		0.00

Tennessee American Water
SCEP Monthly Utility Account In-Serviced Workpaper

fp_number	est_in_service_date	fp_descr	budget_version	year	2012
IP-2602-22	12/31/2015 0:00	Conversion to ARCVIEW GIS	2011-2016 BP	2012	350,000.00
IP-2602-24	12/31/2011 0:00	Unallocated Indirect Overhead	2011-2016 BP	2012	0.00
IP-2602-25	12/31/2016 0:00	Post Acquisition BD CapEx	2011-2016 BP	2012	32,500.00
			15	303	
			25	304	
			60	331	
IP-2602-26	12/31/2016 0:00	Install New Hill City Pumps	2011-2016 BP	2012	300,000.00
IP-2602-29	12/31/2016 0:00	Install 5,700' of 16" East Braine	2011-2016 BP	2012	0.00
IP-2602-30	12/31/2016 0:00	5800'-16" Main in Navajo Dr.	2011-2016 BP	2012	0.00
IP-2602-31	12/31/2016 0:00	Construct 1.0MG Tank & 2500'-16" ER	2011-2016 BP	2012	0.00
IP-2602-34	8/31/2015 0:00	Citico Plant Improvements Phase 1B	2011-2016 BP	2012	0.00
IP-2602-4	12/31/2014 0:00	5933 If of 20" Ringgold Rd. at I-75	2011-2016 BP	2012	275,000.00
IP-2602-6	12/31/2014 0:00	Wastewater Treatm't & Handling Impr	2011-2016 BP	2012	0.00
IP-2602-7	12/31/2016 0:00	Convert ER Reservoir to Pump Storag	2011-2016 BP	2012	0.00
IP-2602-8	12/31/2016 0:00	3000'-24" Tennessee River Crossin	2011-2016 BP	2012	0.00
IP-2602-9	12/31/2016 0:00	Repl Lktout Mtn Pump#4	2011-2016 BP	2012	0.00

Tennessee American Water
 SCEP Monthly Utility Account In-Serviced Worksheet

fp_number	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
RP-2602-A1													
RP-2602-B1													
RP-2602-C1													
RP-2602-D1													
RP-2602-E1													
RP-2602-F1													
RP-2602-G1													
RP-2602-H1													
RP-2602-I1													
RP-2602-J1													
RP-2602-K1													
RP-2602-L1													
RP-2602-M1													
RP-2602-N1													
RP-2602-O1													
RP-2602-P1													
RP-2602-Q1													
RP-2602-R1													
RP-2602-S1													
RP-2603-G1													
RP-2603-H1													
RP-2603-K1													
RP-2603-Q1													
RP-2603-R1													
RP-2604-G1													
RP-2604-I1													
DV-2602-1													
CS-2602-3													
CS-2602-4													
IP-2602-15													
IP-2602-18													
IP-2602-19													
IP-2602-20													

Tennessee American Water
SCEP Monthly Utility Account In-Serviced Worksheet

fp_number	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
IP-2602-22	29,166.67	29,166.67	29,166.67	29,166.67	29,166.67	29,166.67	29,166.67	29,166.67	29,166.67	29,166.67	29,166.67	29,166.63
IP-2602-24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IP-2602-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7,500.00	25,000.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1,125.00	3,750.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1,875.00	6,250.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4,500.00	15,000.00
IP-2602-26	25,000.00	25,000.00	25,000.00	25,000.00	25,000.00	25,000.00	25,000.00	25,000.00	25,000.00	25,000.00	25,000.00	25,000.00
IP-2602-29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IP-2602-30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IP-2602-31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IP-2602-34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IP-2602-4	22,916.67	22,916.67	22,916.67	22,916.67	22,916.67	22,916.67	22,916.67	22,916.67	22,916.67	22,916.67	22,916.67	22,916.63
IP-2602-6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IP-2602-7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IP-2602-8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IP-2602-9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

fp_number	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
RP-2602-A1	0.00	9,500.00	12,500.00	11,070.00	11,200.00	11,400.00	13,600.00	9,093.00	6,297.00	1,273.00	0.00	0.00
RP-2602-A1	500.00	3,166.67	7,333.33	11,023.33	11,590.00	11,223.33	12,066.67	11,364.33	9,663.33	5,543.33	2,523.33	424.33
RP-2602-B1	105,500.00	185,000.00	195,000.00	255,000.00	285,000.00	285,000.00	175,080.00	125,000.00	63,000.00	15,000.00	10,000.00	36,000.00
RP-2602-B1	102,124.00	179,080.00	188,760.00	256,520.00	275,880.00	275,880.00	179,080.00	125,000.00	60,984.00	14,520.00	9,680.00	34,848.00
RP-2602-B1	3,059.50	5,365.00	5,655.00	7,685.00	8,265.00	8,265.00	5,365.00	3,625.00	1,827.00	435.00	290.00	1,040.00
RP-2602-B1	316.50	555.00	585.00	795.00	855.00	855.00	555.00	375.00	189.00	45.00	30.00	108.00
RP-2602-B1	94,057.33	105,350.67	156,654.67	208,120.00	240,386.67	269,426.67	243,613.33	191,986.67	120,354.67	65,501.33	28,394.67	19,682.67
RP-2602-B1	2,817.83	3,156.17	4,493.17	6,235.00	7,201.67	8,071.67	7,298.33	5,751.67	3,605.67	1,962.33	850.67	589.67
RP-2602-B1	291.50	326.50	485.50	645.00	740.67	835.00	755.00	595.00	373.00	103.00	88.00	61.00
RP-2602-C1	10,200.00	5,500.00	15,000.00	17,000.00	7,000.00	15,000.00	15,000.00	25,000.00	19,635.00	10,000.00	10,000.00	10,000.00
RP-2602-D1	41,666.67	41,666.67	41,666.67	41,666.67	41,666.67	41,666.67	41,666.67	41,666.67	41,666.67	41,666.67	41,666.67	41,666.67
RP-2602-D1	40,083.34	40,083.34	40,083.34	40,083.34	40,083.34	40,083.34	40,083.34	40,083.34	40,083.34	40,083.34	40,083.34	40,083.34
RP-2602-D1	208.33	208.33	208.33	208.33	208.33	208.33	208.33	208.33	208.33	208.33	208.33	208.33
RP-2602-D1	1,375.00	1,375.00	1,375.00	1,375.00	1,375.00	1,375.00	1,375.00	1,375.00	1,375.00	1,375.00	1,375.00	1,375.00
RP-2602-D1	54,513.36	47,298.36	40,083.34	40,083.34	40,083.34	40,083.34	40,083.34	40,083.34	40,083.34	40,083.34	40,083.34	40,083.34
RP-2602-E1	283.33	245.83	208.33	208.33	208.33	208.33	208.33	208.33	208.33	208.33	208.33	208.33
RP-2602-E1	1,870.00	1,622.50	1,375.00	1,375.00	1,375.00	1,375.00	1,375.00	1,375.00	1,375.00	1,375.00	1,375.00	1,375.00
RP-2602-E1	0.00	0.00	0.00	1,965.45	5,896.35	7,861.79	9,827.24	7,861.79	3,930.89	1,965.45	0.00	0.00
RP-2602-E1	0.00	0.00	0.00	1,153.72	3,461.16	4,614.87	5,768.59	4,614.87	2,307.43	1,153.72	0.00	0.00
RP-2602-F1	0.00	0.00	0.00	811.73	2,435.19	3,246.92	4,058.65	3,246.92	1,623.46	811.73	0.00	0.00
RP-2602-F1	\$ 4,967.75	\$ 4,967.75	\$ 4,967.75	\$ 4,967.75	\$ 4,967.75	\$ 4,967.75	\$ 4,967.75	\$ 4,967.75	\$ 4,967.75	\$ 4,967.75	\$ 4,967.75	\$ 4,967.75
RP-2602-F1	4,967.75	4,967.75	4,967.75	4,967.75	4,967.75	4,967.75	4,967.75	4,967.75	4,967.75	4,967.75	4,967.75	4,967.75
RP-2602-G1	37,440.00	49,920.00	49,920.00	43,680.00	43,680.00	56,160.00	49,920.00	56,160.00	43,680.00	43,680.00	68,640.00	81,120.00
RP-2602-H1	17,185.19	17,185.19	17,185.19	17,185.19	17,185.19	17,185.19	17,185.19	17,185.19	17,185.19	17,185.19	25,777.78	25,777.78
RP-2602-I1	30,000.00	40,000.00	40,000.00	35,000.00	35,000.00	45,000.00	40,000.00	45,000.00	35,000.00	35,000.00	55,000.00	65,000.00
RP-2602-I1	19,260.00	25,680.00	25,680.00	22,470.00	22,470.00	28,890.00	25,680.00	28,890.00	22,470.00	22,470.00	35,310.00	41,730.00
RP-2602-I1	10,740.00	14,320.00	14,320.00	12,530.00	12,530.00	16,110.00	14,320.00	16,110.00	12,530.00	12,530.00	19,690.00	23,270.00
RP-2602-I1	18,630.00	49,680.00	49,680.00	62,100.00	62,100.00	74,520.00	55,890.00	55,890.00	55,890.00	37,260.00	43,470.00	49,680.00
RP-2602-I1	13,506.75	36,018.00	40,022.50	49,524.75	36,018.00	54,027.00	40,520.25	40,520.25	40,520.25	27,013.50	31,515.75	36,018.00
RP-2602-I1	5,123.25	13,662.00	17,077.50	18,785.25	13,662.00	20,493.25	15,369.75	15,369.75	15,369.75	10,246.50	11,954.25	13,662.00
RP-2602-K1	0.00	0.00	60,000.00	7,950.00	10,000.00	13,000.00	12,000.00	9,500.00	0.00	0.00	0.00	0.00
RP-2602-L1	0.00	0.00	25,000.00	0.00	0.00	25,000.00	0.00	20,000.00	0.00	0.00	0.00	0.00
RP-2602-M1	5,833.33	5,833.33	5,833.33	5,833.33	5,833.33	5,833.33	5,833.33	5,833.33	5,833.33	5,833.33	5,833.33	5,833.33
RP-2602-N1	0.00	0.00	0.00	0.00	0.00	0.00	2,500.00	5,396.60	5,362.10	5,362.10	2,863.60	1,562.80
RP-2602-O1	0.00	0.00	0.00	0.00	0.00	30,000.00	90,000.00	40,000.00	25,000.00	100,000.00	50,000.00	41,000.00
RP-2602-P1	0.00	0.00	0.00	0.00	0.00	5,790.00	17,370.00	7,720.00	4,825.00	19,300.00	9,650.00	7,913.00
RP-2602-Q1	0.00	0.00	0.00	0.00	0.00	19,080.00	57,240.00	25,440.00	15,900.00	63,600.00	31,800.00	26,076.00
RP-2602-Q1	0.00	0.00	0.00	0.00	0.00	5,130.00	15,390.00	6,840.00	4,275.00	17,100.00	8,550.00	7,011.00
RP-2602-Q1	0.00	0.00	0.00	0.00	1,600.00	8,000.00	10,000.00	2,600.00	5,000.00	3,000.00	3,000.00	4,400.00
RP-2602-Q1	0.00	5,000.00	25,000.00	25,000.00	60,000.00	75,000.00	75,000.00	105,000.00	171,630.00	100,000.00	0.00	0.00
RP-2602-Q1	0.00	2,882.15	14,410.75	14,410.75	34,585.80	43,222.25	43,222.25	60,525.15	58,219.43	98,932.68	57,643.00	0.00
RP-2602-R1	0.00	1,051.35	5,256.75	5,256.75	12,616.20	15,770.25	15,770.25	22,078.35	21,237.27	36,088.64	21,027.00	0.00
RP-2602-R1	0.00	1,066.50	5,332.50	5,332.50	12,798.00	15,997.50	15,997.50	22,396.50	21,543.30	36,608.68	21,330.00	0.00
RP-2602-S1	145,749.99	145,749.99	145,749.99	145,749.99	145,749.99	145,749.99	145,749.99	145,749.99	145,749.99	145,749.99	145,749.99	145,750.11
RP-2602-S1	3,473.51	3,473.51	6,947.01	6,947.01	6,947.01	6,947.01	6,947.01	6,947.01	6,947.01	6,947.01	3,473.51	3,473.49
RP-2603-G1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RP-2603-H1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RP-2603-I1	0.00	0.00	0.00	0.00	3,100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RP-2603-Q1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RP-2603-R1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RP-2604-G1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RP-2604-I1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RP-2604-I1	144,123.80	144,124.80	144,125.80	144,126.80	144,127.80	144,128.80	144,129.80	144,130.80	144,131.80	144,132.80	144,133.80	144,134.80
RP-2604-I1	137,638.23	137,639.19	137,640.15	137,641.10	137,642.05	137,643.01	137,643.96	137,644.92	137,645.87	137,646.83	137,647.78	137,648.74
RP-2604-I1	3,314.85	3,314.87	3,314.89	3,314.92	3,314.94	3,314.96	3,314.98	3,315.01	3,315.03	3,315.05	3,315.07	3,315.10
RP-2604-I1	3,170.72	3,170.75	3,170.77	3,170.79	3,170.81	3,170.83	3,170.85	3,170.88	3,170.90	3,170.92	3,170.94	3,170.97
RP-2604-I1	137,627.73	137,627.73	137,627.73	137,627.73	137,627.73	137,627.73	137,627.73	137,627.73	137,627.73	137,627.73	137,627.73	137,627.73
RP-2604-I1	3,314.59	3,314.59	3,314.59	3,314.59	3,314.59	3,314.59	3,314.59	3,314.59	3,314.59	3,314.59	3,314.59	3,314.59
RP-2604-I1	3,170.50	3,170.50	3,170.50	3,170.50	3,170.50	3,170.50	3,170.50	3,170.50	3,170.50	3,170.50	3,170.50	3,170.50
RP-2604-I1	169,287.00	190,408.00	94,365.00	93,285.00	85,488.00	84,641.00	96,645.00	94,406.00	91,180.00	83,844.00	41,503.00	40,652.00
RP-2604-I1	4,873.00	4,885.00	4,900.00	4,900.00	4,900.00	4,900.00	4,900.00	4,900.00	4,900.00	4,900.00	4,900.00	4,900.00
RP-2602-15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RP-2602-15	3,867.33	3,867.33	3,867.33	3,867.33	3,867.33	3,867.33	3,867.33	3,867.33	3,867.33	3,867.33	3,867.33	3,867.33
RP-2602-18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RP-2602-20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Tennessee American Water
SCEP Monthly Utility Account In-Serviced Workpaper

fp_number	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
IP-2602-22	4,166.67	4,166.67	4,166.67	4,166.67	4,166.67	4,166.67	4,166.67	4,166.67	4,166.67	4,166.67	4,166.67	4,166.63
IP-2602-24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IP-2602-25	25,000.00	7,830.00	7,830.00	7,830.00	7,830.00	7,830.00	7,830.00	7,830.00	7,830.00	9,330.00	11,460.00	11,458.00
	3,750.00	1,174.50	1,174.50	1,174.50	1,174.50	1,174.50	1,174.50	1,174.50	1,174.50	1,399.50	1,719.00	1,718.70
	6,250.00	1,957.50	1,957.50	1,957.50	1,957.50	1,957.50	1,957.50	1,957.50	1,957.50	2,332.50	2,865.00	2,864.50
	15,000.00	4,698.00	4,698.00	4,698.00	4,698.00	4,698.00	4,698.00	4,698.00	4,698.00	5,598.00	6,876.00	6,874.80
IP-2602-26	33,333.33	33,333.33	33,333.33	33,333.33	33,333.33	33,333.33	33,333.33	33,333.33	33,333.33	33,333.33	33,333.37	33,333.37
IP-2602-29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IP-2602-30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IP-2602-31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IP-2602-34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IP-2602-4	149,999.99	149,999.99	149,999.99	149,999.99	149,999.99	149,999.99	149,999.99	149,999.99	149,999.99	149,999.99	149,999.99	150,000.11
IP-2602-6	50,473.72	2,675.69	2,693.53	2,711.48	2,729.56	321,840.76	2,766.08	2,784.52	2,803.08	2,821.77	2,840.59	2,859.53
IP-2602-7	0.00	0.00	0.00	0.00	0.00	250,000.00	0.00	0.00	0.00	0.00	0.00	0.00
IP-2602-8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IP-2602-9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Tennessee American Water
SCEP Monthly Utility Account In-Serviced Workpaper

fp_number	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
RP-2602-A1	0.00	1,500.00	2,500.00	186,661.00	5,070.00	10,200.00	11,400.00	12,600.00	12,200.00	12,593.00	10,093.00	6,874.00
RP-2602-B1	0.00	500.00	1,333.33	182,494.33								3,480.00
	65,500.00	85,000.00	125,000.00	3,480,000.00	205,000.00	255,000.00	255,000.00	255,000.00	165,000.00	123,000.00	95,000.00	90,000.00
	63,404.00	82,280.00	121,000.00	3,368,640.00								36,000.00
	1,899.50	2,465.00	3,625.00	100,920.00								
RP-2602-C1	196.50	255.00	375.00	10,440.00								
	35,977.33	60,177.33	88,894.67	3,435,488.13								
	1,077.83	1,802.83	2,663.17	99,808.77								
	111.50	186.50	275.50	11,709.44								
RP-2602-D1	10,200.00	5,500.00	15,000.00	339,835.00	7,000.00	7,000.00	15,000.00	5,000.00	8,000.00	25,000.00	25,000.00	16,209.00
	41,666.67	41,666.67	41,666.67	1,395,000.01	41,666.67	41,666.67	41,666.67	41,666.67	41,666.67	41,666.67	41,666.67	41,666.63
	40,083.34	40,083.34	40,083.34	1,341,990.01								
	208.33	208.33	208.33	6,975.00								
RP-2602-E1	1,375.00	1,375.00	1,375.00	42,542.50								
	0.00	0.00	0.00	77,471.20	2,024.31	6,072.93	8,097.25	10,121.56	8,097.25	4,048.63	2,024.31	0.00
	0.00	0.00	0.00	45,475.59								
	0.00	0.00	0.00	31,995.61								
RP-2602-F1	\$ 5,128.00	\$ 5,128.00	\$ 5,128.00	1,132,687.00	8,000.00	8,000.00	8,000.00	8,000.00	8,000.00	8,000.00	8,000.00	8,000.00
	5,128.00	5,128.00	5,128.00	1,100,377.00								
	2,872.00	2,872.00	2,872.00	74,313.00								
	38,520.00	51,360.00	51,360.00	1,215,240.00	44,940.00	44,940.00	57,780.00	44,940.00	57,780.00	44,940.00	70,620.00	83,460.00
RP-2602-G1	17,703.70	17,703.70	17,703.70	667,111.10	17,703.70	17,703.70	17,703.70	17,703.70	17,703.70	17,703.70	26,555.56	26,555.56
	30,900.00	41,200.00	41,200.00	1,098,300.00	36,050.00	36,050.00	46,350.00	41,200.00	46,350.00	36,050.00	56,650.00	66,950.00
	19,837.80	26,450.40	26,450.40	705,108.60								
	11,062.20	14,749.60	14,749.60	393,191.40								
RP-2602-H1	20,730.00	55,280.00	69,100.00	1,543,110.00	76,010.00	82,920.00	62,190.00	62,190.00	62,190.00	41,460.00	48,370.00	55,280.00
	15,029.25	40,078.00	50,097.50	1,118,754.75								
	5,700.75	15,202.00	19,002.50	424,355.25								
	0.00	0.00	20,000.00	336,525.00	10,000.00	12,000.00	8,500.00	6,750.00	0.00	2,600.00	0.00	0.00
RP-2602-I1	0.00	5,000.00	25,000.00	170,000.00	25,000.00	70,000.00	85,000.00	75,000.00	105,000.00	101,000.00	173,909.00	100,000.00
	8,750.00	8,750.00	8,750.00	176,250.00	8,750.00	8,750.00	8,750.00	8,750.00	8,750.00	8,750.00	8,750.00	8,750.00
	0.00	0.00	0.00	43,647.20	0.00	0.00	0.00	2,500.00	5,000.00	5,000.00	2,500.00	1,800.00
	0.00	0.00	0.00	711,000.00	0.00	0.00	30,000.00	90,000.00	40,000.00	25,000.00	100,000.00	50,000.00
RP-2602-O1	0.00	0.00	0.00	137,223.00								41,000.00
	0.00	0.00	0.00	452,196.00								
	0.00	0.00	0.00	121,581.00								
	0.00	0.00	0.00	0.00	0.00	1,600.00	8,000.00	10,000.00	2,600.00	5,000.00	3,000.00	5,040.00
RP-2602-P1	0.00	5,000.00	25,000.00	25,000.00	60,000.00	75,000.00	75,000.00	105,000.00	101,000.00	171,630.00	100,000.00	0.00
	0.00	2,882.15	14,410.75									
	0.00	1,051.35	5,256.75									
	0.00	1,066.50	5,332.50									
RP-2602-R1	59,107.33	59,107.33	59,107.33	59,107.33	59,107.33	59,107.33	59,107.33	59,107.33	59,107.33	59,107.33	59,107.33	59,107.37
	3,473.51	3,473.51	6,947.01	6,947.01	6,947.01	6,947.01	6,947.01	6,947.01	6,947.01	6,947.01	3,473.51	3,473.49
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RP-2603-G1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RP-2603-I1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RP-2603-Q1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RP-2604-G1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RP-2604-I1	144,135.80	144,136.80	144,137.80	3,891,369.70	166,666.66	166,666.66	166,666.66	166,666.66	166,666.66	166,666.66	166,666.66	166,666.74
	137,649.69	137,650.65	137,651.60	3,716,258.06								
	3,315.12	3,315.15	3,315.17	89,501.50								
	3,170.99	3,171.01	85,610.13									
CS-2602-3	137,627.73	137,627.73	137,627.73	3,483,531.60								
	3,314.59	3,314.59	82,872.36									
	3,170.50	3,170.50	3,170.50	80,463.23								
	24,564.00	23,942.00	23,894.00	3,810,920.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IP-2602-15	0.00	0.00	0.00	74,553.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	79,166.66	79,166.66	79,166.66	283,907.98	79,166.66	79,166.66	79,166.66	79,166.66	79,166.66	79,166.66	79,166.66	79,166.74
	0.00	0.00	0.00	100,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IP-2602-19	278,769.67	1,866.55	1,878.99	282,515.21	1,891.52	1,904.13	1,916.82	1,929.61	1,942.47	1,955.42	1,968.46	1,981.58
IP-2602-20												

Tennessee American Water
SCEP Monthly Utility Account In-Serviced Worksheet

fp_number	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
IP-2602-22	0.00	0.00	0.00	400,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IP-2602-24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IP-2602-25	11,461.00	11,461.00	11,461.00	186,771.00	11,461.00	11,461.00	15,130.00	15,130.00	15,130.00	20,286.00	20,286.00	20,287.00
	1,719.15	1,719.15	1,719.15									
	2,865.25	2,865.25	2,865.25									
	6,876.60	6,876.60	6,876.60									
IP-2602-26	0.00	0.00	0.00	700,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IP-2602-29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IP-2602-30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IP-2602-31	0.00	0.00	0.00	0.00	0.00	100,000.00	0.00	0.00	0.00	0.00	0.00	0.00
IP-2602-34	0.00	0.00	0.00	0.00	0.00	21,978.59	133,988.27	190,496.18	357,454.44	447,229.48	560,829.91	566,755.40
IP-2602-4	0.00	0.00	0.00	2,075,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IP-2602-6	24,785.93	2,897.78	2,917.10	430,601.12	2,936.55	2,956.13	2,995.67	3,015.64	3,035.75	3,055.99	3,076.36	3,096.87
IP-2602-7	0.00	0.00	0.00	250,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IP-2602-8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IP-2602-9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Tennessee American Water
 SCEP Monthly Utility Account In-Serviced Worksheet

fp_number	year4_total	jan_yr4	feb_yr4	mar_yr4	apr_yr4	may_yr4	jun_yr4	jul_yr4	aug_yr4	sep_yr4	oct_yr4	nov_yr4	dec_yr4
RP-2602-A1	91,166.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RP-2602-B1	1,754,500.00	0.00	0.00	0.00	0.00	0.00	1,754,500.00	0.00	0.00	0.00	0.00	0.00	0.00
RP-2602-C1	163,909.00	0.00	0.00	0.00	0.00	0.00	163,909.00	0.00	0.00	0.00	0.00	0.00	0.00
RP-2602-D1	500,000.00	41,666.67	41,666.67	41,666.67	41,666.67	41,666.67	41,666.67	41,666.67	41,666.67	41,666.67	41,666.67	41,666.67	41,666.63
RP-2602-E1	42,797.00	0.00	0.00	0.00	0.00	0.00	42,797.00	0.00	0.00	0.00	0.00	0.00	0.00
RP-2602-F1	99,000.00	8,400.00	8,400.00	8,400.00	8,200.00	8,200.00	8,200.00	8,200.00	8,200.00	8,200.00	8,200.00	8,200.00	8,200.00
RP-2602-G1	661,000.00	39,660.00	52,880.00	52,880.00	46,270.00	46,270.00	59,490.00	52,880.00	59,490.00	46,270.00	46,270.00	72,710.00	85,930.00
RP-2602-H1	246,000.00	18,222.22	18,222.22	18,222.22	18,222.22	18,222.22	18,222.22	18,222.22	18,222.22	18,222.22	27,333.33	27,333.33	27,333.36
RP-2602-I1	531,000.00	31,860.00	42,480.00	42,480.00	37,170.00	37,170.00	47,790.00	42,480.00	47,790.00	37,170.00	37,170.00	58,410.00	69,030.00
RP-2602-J1	355,000.00	10,650.00	28,400.00	35,500.00	39,050.00	28,400.00	42,600.00	31,950.00	31,950.00	31,950.00	21,300.00	24,850.00	28,400.00
RP-2602-K1	52,000.00	0.00	0.00	0.00	0.00	0.00	52,000.00	0.00	0.00	0.00	0.00	0.00	0.00
RP-2602-L1	150,000.00	0.00	0.00	0.00	0.00	0.00	150,000.00	0.00	0.00	0.00	0.00	0.00	0.00
RP-2602-M1	130,000.00	10,833.33	10,833.33	10,833.33	10,833.33	10,833.33	10,833.33	10,833.33	10,833.33	10,833.33	10,833.33	10,833.33	10,833.37
RP-2602-N1	23,000.00	0.00	0.00	0.00	0.00	0.00	1,200.00	2,500.00	5,000.00	5,000.00	5,000.00	2,500.00	1,800.00
RP-2602-O1	376,000.00	0.00	0.00	0.00	0.00	0.00	30,000.00	90,000.00	40,000.00	25,000.00	100,000.00	50,000.00	41,000.00
RP-2602-P1	40,000.00	0.00	0.00	0.00	0.00	3,360.00	8,000.00	10,000.00	2,600.00	5,000.00	3,000.00	3,000.00	5,040.00
RP-2602-Q1	750,000.00	37,500.00	37,500.00	75,000.00	75,000.00	75,000.00	75,000.00	75,000.00	75,000.00	75,000.00	75,000.00	37,500.00	37,500.00
RP-2602-R1	1,848,000.00	153,999.99	153,999.99	153,999.99	153,999.99	153,999.99	153,999.99	153,999.99	153,999.99	153,999.99	153,999.99	153,999.99	154,000.11
RP-2602-S1	65,554.20	0.00	0.00	0.00	0.00	0.00	65,554.20	0.00	0.00	0.00	0.00	0.00	0.00
RP-2603-G1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RP-2603-H1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RP-2603-K1	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2,000.00
RP-2603-Q1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RP-2603-R1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RP-2604-G1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RP-2604-I1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DV-2602-1	2,000,000.00	166,666.66	166,666.66	166,666.66	166,666.66	166,666.66	166,666.66	166,666.66	166,666.66	166,666.66	166,666.66	166,666.74	166,666.74
CS-2602-3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CS-2602-4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IP-2602-15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IP-2602-18	950,000.00	79,166.66	79,166.66	79,166.66	79,166.66	79,166.66	79,166.66	79,166.66	79,166.66	79,166.66	79,166.66	79,166.74	79,166.74
IP-2602-19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IP-2602-20	300,000.00	278,769.50	1,866.50	1,879.00	1,891.50	1,904.00	1,917.00	1,929.50	1,942.50	1,955.50	1,968.50	1,981.50	1,995.00

Tennessee American Water
SCEP Monthly Utility Account In-Serviced Worksheet

fp_number	year4_total	jan_yr4	feb_yr4	mar_yr4	apr_yr4	may_yr4	jun_yr4	jul_yr4	aug_yr4	sep_yr4	oct_yr4	nov_yr4	dec_yr4
IP-2602-22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IP-2602-24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IP-2602-25	240,626.00	20,286.00	20,286.00	20,286.00	20,286.00	20,286.00	20,286.00	20,286.00	21,186.00	21,261.00	18,726.00	18,726.00	18,725.00
IP-2602-26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IP-2602-29	100,000.00	0.00	0.00	0.00	0.00	0.00	100,000.00	0.00	0.00	0.00	0.00	0.00	0.00
IP-2602-30	100,000.00	0.00	0.00	0.00	0.00	0.00	100,000.00	0.00	0.00	0.00	0.00	0.00	0.00
IP-2602-31	500,000.00	0.00	0.00	0.00	0.00	0.00	500,000.00	0.00	0.00	0.00	0.00	0.00	0.00
IP-2602-34	6,030,440.97	1,074,678.77	530,342.12	534,131.79	613,215.33	582,469.08	596,660.87	500,557.01	454,265.00	354,500.00	349,500.00	319,500.00	120,621.00
IP-2602-4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IP-2602-6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IP-2602-7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IP-2602-8	100,000.00	0.00	0.00	0.00	0.00	0.00	100,000.00	0.00	0.00	0.00	0.00	0.00	0.00
IP-2602-9	400,000.00	0.00	0.00	0.00	0.00	0.00	400,000.00	0.00	0.00	0.00	0.00	0.00	0.00

Tennessee American Water
 SCEP Monthly Utility Account In-Serviced Workpaper

fp_number	year5_total	jan_yr5	feb_yr5	mar_yr5	apr_yr5	may_yr5	jun_yr5	jul_yr5	aug_yr5	sep_yr5	oct_yr5	nov_yr5	dec_yr5
RP-2602-A1	93,901.00	0.00	0.00	0.00	0.00	0.00	93,901.00	0.00	0.00	0.00	0.00	0.00	0.00
RP-2602-B1	1,754,500.00	0.00	0.00	0.00	0.00	0.00	1,754,500.00	0.00	0.00	0.00	0.00	0.00	0.00
RP-2602-C1	168,826.00	0.00	0.00	0.00	0.00	0.00	168,826.00	0.00	0.00	0.00	0.00	0.00	0.00
RP-2602-D1	500,000.00	41,666.67	41,666.67	41,666.67	41,666.67	41,666.67	41,666.67	41,666.67	41,666.67	41,666.67	41,666.67	41,666.67	41,666.63
RP-2602-E1	50,000.00	0.00	0.00	0.00	0.00	0.00	50,000.00	0.00	0.00	0.00	0.00	0.00	0.00
RP-2602-F1	102,000.00	8,500.00	8,500.00	8,500.00	8,500.00	8,500.00	8,500.00	8,500.00	8,500.00	8,500.00	8,500.00	8,500.00	8,500.00
RP-2602-G1	681,000.00	40,860.00	54,480.00	54,480.00	47,670.00	47,670.00	61,290.00	54,480.00	61,290.00	47,670.00	47,670.00	74,910.00	88,530.00
RP-2602-H1	253,000.00	18,740.74	18,740.74	18,740.74	18,740.74	18,740.74	18,740.74	18,740.74	18,740.74	18,740.74	28,111.11	28,111.11	28,111.12
RP-2602-I1	547,000.00	32,820.00	43,760.00	43,760.00	38,290.00	38,290.00	49,230.00	43,760.00	49,230.00	38,290.00	38,290.00	60,170.00	71,110.00
RP-2602-J1	944,000.00	28,320.00	75,520.00	94,400.00	103,840.00	75,520.00	113,280.00	84,960.00	84,960.00	84,960.00	56,640.00	66,080.00	75,520.00
RP-2602-K1	60,850.00	0.00	0.00	0.00	0.00	0.00	60,850.00	0.00	0.00	0.00	0.00	0.00	0.00
RP-2602-L1	70,000.00	0.00	0.00	0.00	0.00	0.00	70,000.00	0.00	0.00	0.00	0.00	0.00	0.00
RP-2602-M1	150,000.00	12,500.00	12,500.00	12,500.00	12,500.00	12,500.00	12,500.00	12,500.00	12,500.00	12,500.00	12,500.00	12,500.00	12,500.00
RP-2602-N1	23,700.00	0.00	0.00	0.00	0.00	0.00	1,900.00	2,500.00	5,000.00	5,000.00	5,000.00	2,500.00	1,800.00
RP-2602-O1	376,000.00	0.00	0.00	0.00	0.00	0.00	30,000.00	90,000.00	40,000.00	25,000.00	100,000.00	50,000.00	41,000.00
RP-2602-P1	40,000.00	0.00	0.00	0.00	0.00	3,360.00	8,000.00	10,000.00	2,600.00	5,000.00	3,000.00	3,000.00	5,040.00
RP-2602-Q1	750,000.00	0.00	0.00	0.00	0.00	0.00	750,000.00	0.00	0.00	0.00	0.00	0.00	0.00
RP-2602-R1	435,328.00	36,277.33	36,277.33	36,277.33	36,277.33	36,277.33	36,277.33	36,277.33	36,277.33	36,277.33	36,277.33	36,277.33	36,277.37
RP-2602-S1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RP-2603-G1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RP-2603-H1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RP-2603-I1	9,700.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9,700.00
RP-2603-K1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RP-2603-Q1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RP-2603-R1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RP-2604-G1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RP-2604-I1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DV-2602-1	2,000,000.00	166,666.66	166,666.66	166,666.66	166,666.66	166,666.66	166,666.66	166,666.66	166,666.66	166,666.66	166,666.66	166,666.66	166,666.74
CS-2602-3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CS-2602-4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IP-2602-15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IP-2602-18	950,000.00	79,166.66	79,166.66	79,166.66	79,166.66	79,166.66	79,166.66	79,166.66	79,166.66	79,166.66	79,166.66	79,166.66	79,166.74
IP-2602-19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IP-2602-20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Tennessee American Water
SCEP Monthly Utility Account In-Serviced Workpaper

fp_number	year5_total	jan_yr5	feb_yr5	mar_yr5	apr_yr5	may_yr5	jun_yr5	jul_yr5	aug_yr5	sep_yr5	oct_yr5	nov_yr5	dec_yr5
IP-2602-22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IP-2602-24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IP-2602-25	243,633.00	18,726.00	18,726.00	18,726.00	18,265.00	18,265.00	18,265.00	21,933.00	21,933.00	22,010.00	22,261.00	22,261.00	22,262.00
IP-2602-26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IP-2602-29	900,000.00	0.00	0.00	0.00	0.00	0.00	900,000.00	0.00	0.00	0.00	0.00	0.00	0.00
IP-2602-30	900,000.00	0.00	0.00	0.00	0.00	0.00	900,000.00	0.00	0.00	0.00	0.00	0.00	0.00
IP-2602-31	400,000.00	0.00	0.00	0.00	0.00	0.00	400,000.00	0.00	0.00	0.00	0.00	0.00	0.00
IP-2602-34	330,000.00	110,000.00	110,000.00	110,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IP-2602-4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IP-2602-6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IP-2602-7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IP-2602-8	400,000.00	0.00	0.00	0.00	0.00	0.00	400,000.00	0.00	0.00	0.00	0.00	0.00	0.00
IP-2602-9	500,000.00	0.00	0.00	0.00	0.00	0.00	500,000.00	0.00	0.00	0.00	0.00	0.00	0.00

Tennessee American Water
 SCEP Monthly Utility Account In-Serviced Worksheet

fp_number	year6_total	jan_yr6	feb_yr6	mar_yr6	apr_yr6	may_yr6	jun_yr6	jul_yr6	aug_yr6	sep_yr6	oct_yr6	nov_yr6	dec_yr6	
RP-2602-A1	0	0	0	0	0	0	0	0	0	0	0	0	0	96.8%
RP-2602-B1	0	0	0	0	0	0	0	0	0	0	0	0	0	2.9%
														0.3%
RP-2602-C1	0	0	0	0	0	0	0	0	0	0	0	0	0	96.2%
RP-2602-D1	0	0	0	0	0	0	0	0	0	0	0	0	0	0.5%
														3.3%
RP-2602-E1	0	0	0	0	0	0	0	0	0	0	0	0	0	58.7%
														41.3%
RP-2602-F1	0	0	0	0	0	0	0	0	0	0	0	0	0	64.1%
														35.9%
RP-2602-G1	0	0	0	0	0	0	0	0	0	0	0	0	0	64.2%
RP-2602-H1	0	0	0	0	0	0	0	0	0	0	0	0	0	35.8%
RP-2602-I1	0	0	0	0	0	0	0	0	0	0	0	0	0	72.5%
														27.5%
RP-2602-J1	0	0	0	0	0	0	0	0	0	0	0	0	0	19.3%
														63.6%
RP-2602-K1	0	0	0	0	0	0	0	0	0	0	0	0	0	17.1%
RP-2602-L1	0	0	0	0	0	0	0	0	0	0	0	0	0	57.6%
RP-2602-M1	0	0	0	0	0	0	0	0	0	0	0	0	0	21.0%
RP-2602-N1	0	0	0	0	0	0	0	0	0	0	0	0	0	21.3%
RP-2602-O1	0	0	0	0	0	0	0	0	0	0	0	0	0	
RP-2602-P1	0	0	0	0	0	0	0	0	0	0	0	0	0	
RP-2602-Q1	0	0	0	0	0	0	0	0	0	0	0	0	0	
RP-2602-R1	0	0	0	0	0	0	0	0	0	0	0	0	0	
RP-2602-S1	0	0	0	0	0	0	0	0	0	0	0	0	0	
RP-2603-G1	0	0	0	0	0	0	0	0	0	0	0	0	0	
RP-2603-I1	0	0	0	0	0	0	0	0	0	0	0	0	0	
RP-2603-K1	0	0	0	0	0	0	0	0	0	0	0	0	0	
RP-2603-Q1	0	0	0	0	0	0	0	0	0	0	0	0	0	
RP-2603-R1	0	0	0	0	0	0	0	0	0	0	0	0	0	
RP-2604-G1	0	0	0	0	0	0	0	0	0	0	0	0	0	
RP-2604-I1	0	0	0	0	0	0	0	0	0	0	0	0	0	
DV-2602-1	0	0	0	0	0	0	0	0	0	0	0	0	0	95.5%
														2.3%
														2.2%
CS-2602-3	0	0	0	0	0	0	0	0	0	0	0	0	0	
CS-2602-4	0	0	0	0	0	0	0	0	0	0	0	0	0	
IP-2602-15	0	0	0	0	0	0	0	0	0	0	0	0	0	
IP-2602-18	0	0	0	0	0	0	0	0	0	0	0	0	0	
IP-2602-19	0	0	0	0	0	0	0	0	0	0	0	0	0	
IP-2602-20	0	0	0	0	0	0	0	0	0	0	0	0	0	

Tennessee American Water
 SCEP Monthly Utility Account In-Serviced Worksheet

fp_number	year6_total	jan_yr6	feb_yr6	mar_yr6	apr_yr6	may_yr6	jun_yr6	jul_yr6	aug_yr6	sep_yr6	oct_yr6	nov_yr6	dec_yr6
IP-2602-22	0	0	0	0	0	0	0	0	0	0	0	0	0
IP-2602-24	0	0	0	0	0	0	0	0	0	0	0	0	0
IP-2602-25	0	0	0	0	0	0	0	0	0	0	0	0	0
IP-2602-26	0	0	0	0	0	0	0	0	0	0	0	0	0
IP-2602-29	0	0	0	0	0	0	0	0	0	0	0	0	0
IP-2602-30	0	0	0	0	0	0	0	0	0	0	0	0	0
IP-2602-31	0	0	0	0	0	0	0	0	0	0	0	0	0
IP-2602-34	0	0	0	0	0	0	0	0	0	0	0	0	0
IP-2602-4	0	0	0	0	0	0	0	0	0	0	0	0	0
IP-2602-6	0	0	0	0	0	0	0	0	0	0	0	0	0
IP-2602-7	0	0	0	0	0	0	0	0	0	0	0	0	0
IP-2602-8	0	0	0	0	0	0	0	0	0	0	0	0	0
IP-2602-9	0	0	0	0	0	0	0	0	0	0	0	0	0

Workpaper

Tennessee American Water Company
Depreciation Rate Download

rate_type	company	depr_afudc	utility_sub_accn	naruc_acct	start_month	rate_eff	life_rate	cor_rate	annual_del	annual_eq	annual_tax	afudc_gros	prior_end_plant_bal	prior_end_depr_reserve
AFUDC	1026-Tennes	1026			1/1/2014	0.00	01/2014		0.038	0.0344	0.0034			
DEPRECIATION	1026-Tennes	26:252	271	271110-CIAC-A	1/1/2014	0.00	01/2006	0.00%					-	0
DEPRECIATION	1026-Tennes	26:252	271	271120-CIAC-A	1/1/2014	0.00	01/2006	0.00%					(4,274,152.38)	0
DEPRECIATION	1026-Tennes	26:252	271	271130-CIAC-A	1/1/2014	0.00	01/2006	0.00%					-	0
DEPRECIATION	1026-Tennes	26:252	271	271140-CIAC-A	1/1/2014	0.00	01/2006	0.00%					-	0
DEPRECIATION	1026-Tennes	26:252	271	271150-CIAC-A	1/1/2014	0.00	01/2006	0.00%					(143,044.07)	0
DEPRECIATION	1026-Tennes	26:252	271	271160-CIAC-A	1/1/2014	0.00	01/2006	0.00%					-	0
DEPRECIATION	1026-Tennes	26:252	271	271210-CIAC-T	1/1/2014	0.00	01/2006	0.00%					-	0
DEPRECIATION	1026-Tennes	26:252	271	271230-CIAC-T	1/1/2014	0.00	01/2006	0.00%					(122,049.65)	0
DEPRECIATION	1026-Tennes	26:252	271	271240-CIAC-T	1/1/2014	0.00	01/2006	0.00%					-	0
DEPRECIATION	1026-Tennes	26:252	271	271250-CIAC-T	1/1/2014	0.00	01/2006	0.00%					-	0
DEPRECIATION	1026-Tennes	26:252	271	271260-CIAC-T	1/1/2014	0.00	01/2006	0.00%					-	0
DEPRECIATION	1026-Tennes	26:271110		271110-CIAC-A	1/1/2014	0.00	09/2012	1.08%					(5,772,674.94)	-1359441
DEPRECIATION	1026-Tennes	26:271120		271120-CIAC-A	1/1/2014	0.00	09/2012	1.08%					(2,467,039.71)	-433516
DEPRECIATION	1026-Tennes	26:271130		271130-CIAC-A	1/1/2014	0.00	10/2008	1.11%					(492,242.20)	-176901
DEPRECIATION	1026-Tennes	26:271140		271140-CIAC-A	1/1/2014	0.00	09/2012	7.03%					(102,366.65)	-59950.3
DEPRECIATION	1026-Tennes	26:271150		271150-CIAC-A	1/1/2014	0.00	09/2012	1.97%					(806,139.87)	-185480
DEPRECIATION	1026-Tennes	26:271160		271160-CIAC-A	1/1/2014	0.00	10/2008	1.25%					(2,937,334.37)	-1526168
DEPRECIATION	1026-Tennes	26:271210		271210-CIAC-T	1/1/2014	0.00	09/2012	1.08%					(1,749,642.51)	-253314
DEPRECIATION	1026-Tennes	26:271230		271230-CIAC-T	1/1/2014	0.00	10/2008	1.11%					(1,695,134.82)	-199709
DEPRECIATION	1026-Tennes	26:271240		271240-CIAC-T	1/1/2014	0.00	09/2012	7.03%					(108,370.12)	-45572.1
DEPRECIATION	1026-Tennes	26:271250		271250-CIAC-T	1/1/2014	0.00	09/2012	1.97%					(188,121.83)	-43033.1
DEPRECIATION	1026-Tennes	26:271260		271260-CIAC-T	1/1/2014	0.00	10/2008	1.25%					-	-74737.5
DEPRECIATION	1026-Tennes	26:304100		304100-Struct	1/1/2014	0.00	10/2008	1.72%					168,173.05	7666.81
DEPRECIATION	1026-Tennes	26:304200		304200-Struct	1/1/2014	0.00	10/2008	1.72%					6,625,841.68	2814938
DEPRECIATION	1026-Tennes	26:304300		304300-Struct	1/1/2014	0.00	10/2008	3.57%					5,635,808.47	1994281
DEPRECIATION	1026-Tennes	26:304301		304300-Struct	1/1/2014	0.00	10/2008	12.06%					1,692,026.09	2425096
DEPRECIATION	1026-Tennes	26:304310		304300-Struct	1/1/2014	0.00	03/2012	3.57%					81,252.33	5559.79
DEPRECIATION	1026-Tennes	26:304330		304300-Struct	1/1/2014	0.00	03/2012	3.57%					-	1560.6
DEPRECIATION	1026-Tennes	26:304400		304400-Struct	1/1/2014	0.00	10/2008	1.85%					1,553,929.00	527815.1
DEPRECIATION	1026-Tennes	26:304500		304500-Struct	1/1/2014	0.00	10/2008	0.98%					607,276.95	-4589.09
DEPRECIATION	1026-Tennes	26:304510		304510-Struct	1/1/2014	0.00	10/2008	0.00%					1,590,500.00	0
DEPRECIATION	1026-Tennes	26:304600		304600-Struct	1/1/2014	0.00	10/2008	0.98%					1,387,113.58	135678.6
DEPRECIATION	1026-Tennes	26:304700		304700-Struct	1/1/2014	0.00	10/2008	0.63%					315,524.71	276587.6
DEPRECIATION	1026-Tennes	26:304800		304800-Struct	1/1/2014	0.00	10/2008	0.43%					649,107.61	615262.6
DEPRECIATION	1026-Tennes	26:306000		306000-Lake, F306	1/1/2014	0.00	10/2008	0.79%					489,122.97	275555.3
DEPRECIATION	1026-Tennes	26:309000		309000-Supply	1/1/2014	0.00	10/2008	1.87%					603,834.40	146047.9
DEPRECIATION	1026-Tennes	26:310000		310000-Power	1/1/2014	0.00	10/2008	11.74%					703,858.72	260050.7
DEPRECIATION	1026-Tennes	26:311200		311200-Pump	1/1/2014	0.00	10/2008	2.23%					6,422,861.63	3813052
DEPRECIATION	1026-Tennes	26:311300		311300-Pump	1/1/2014	0.00	10/2008	2.27%					119,296.31	68815.46
DEPRECIATION	1026-Tennes	26:311500		311500-Pump	1/1/2014	0.00	10/2008	1.66%					369,382.96	109090
DEPRECIATION	1026-Tennes	26:311520		311520-Pump	1/1/2014	0.00	09/2012	1.66%					537,576.96	21942.67
DEPRECIATION	1026-Tennes	26:320100		320100-WT Eq	1/1/2014	0.00	10/2008	0.99%					15,210,114.46	10249001
DEPRECIATION	1026-Tennes	26:320200		320200-WT Eq	1/1/2014	0.00	12/2008	30.31%					1,221,690.57	855063.6
DEPRECIATION	1026-Tennes	26:330000		330000-Dist Re	1/1/2014	0.00	10/2008	1.73%					6,795,346.23	2457526
DEPRECIATION	1026-Tennes	26:330003		330003-Tank R	1/1/2014	0.00	10/2008	11.08%					4,314,016.10	2675396
DEPRECIATION	1026-Tennes	26:330100		330100-Elevat	1/1/2014	0.00	10/2008	2.28%					2,144,470.13	817440.4
DEPRECIATION	1026-Tennes	26:330200		330200-Groun	1/1/2014	0.00	10/2008	2.28%					301,258.31	195941.6
DEPRECIATION	1026-Tennes	26:330300		330300-Below	1/1/2014	0.00	04/2011	2.28%					18,647.76	1204.62
DEPRECIATION	1026-Tennes	26:330400		330400-Clearw	1/1/2014	0.00	10/2008	1.38%					680,783.96	263320
DEPRECIATION	1026-Tennes	26:331001		331001-T&D N	1/1/2014	0.00	10/2008	1.08%					1,938,174.69	439045.5
DEPRECIATION	1026-Tennes	26:331100		331100-T&D N	1/1/2014	0.00	10/2008	1.08%					8,043,618.36	1379386
DEPRECIATION	1026-Tennes	26:331200		331200-T&D N	1/1/2014	0.00	10/2008	1.08%					1,457.83	530.04
DEPRECIATION	1026-Tennes	26:331210		331210-T&D N	1/1/2014	0.00	10/2008	1.08%					74,185,634.15	1728353.4
DEPRECIATION	1026-Tennes	26:331300		331300-T&D N	1/1/2014	0.00	10/2008	1.08%					9,816,243.13	2730647
DEPRECIATION	1026-Tennes	26:331350		331350-T&D N	1/1/2014	0.00	10/2008	1.08%					28,982,670.56	5968980
DEPRECIATION	1026-Tennes	26:331400		331400-T&D N	1/1/2014	0.00	10/2008	1.08%					651,993.85	183730.2
DEPRECIATION	1026-Tennes	26:333000		333000-Service	1/1/2014	0.00	10/2008	1.11%					24,956,835.35	8593597
DEPRECIATION	1026-Tennes	26:334100		334100-Meter	1/1/2014	0.00	10/2008	7.26%					5,077,291.83	2347679
DEPRECIATION	1026-Tennes	26:334110		334110-Meter	1/1/2014	0.00	10/2008	7.03%					5,903,918.69	1542562
DEPRECIATION	1026-Tennes	26:334120		334120-Meter	1/1/2014	0.00	10/2008	7.03%					-	0
DEPRECIATION	1026-Tennes	26:334130		334130-Meter	1/1/2014	0.00	10/2008	7.03%					8,534.40	2936.09
DEPRECIATION	1026-Tennes	26:334131		334130-Meter	1/1/2014	0.00	10/2008	7.03%					17,906.89	7045.39
DEPRECIATION	1026-Tennes	26:334200		334200-Meter	1/1/2014	0.00	10/2008	2.65%					12,202,115.71	2021689
DEPRECIATION	1026-Tennes	26:335000		335000-Hydrant	1/1/2014	0.00	10/2008	1.97%					8,794,570.58	2745859
DEPRECIATION	1026-Tennes	26:339200		339200-Other	1/1/2014	0.00	06/2009	4.68%					-	0
DEPRECIATION	1026-Tennes	26:339600		339600-Other	1/1/2014	0.00	06/2009	10.00%					149,654.08	-41774.1
DEPRECIATION	1026-Tennes	26:340100		340100-Office	1/1/2014	0.00	10/2008	1.39%					15,952.00	300682
DEPRECIATION	1026-Tennes	26:340200		340200-Comp	1/1/2014	0.00	10/2008	2.19%					251,425.11	164992.2
DEPRECIATION	1026-Tennes	26:340210		340200-Comp	1/1/2014	0.00	10/2008	2.19%					48,755.35	90126.46
DEPRECIATION	1026-Tennes	26:340220		340200-Comp	1/1/2014	0.00	10/2008	2.19%					723,065.12	156045.3
DEPRECIATION	1026-Tennes	26:340230		340200-Comp	1/1/2014	0.00	10/2008	2.19%					530,382.17	64939.33
DEPRECIATION	1026-Tennes	26:340240		340200-Comp	1/1/2014	0.00	03/2010	2.19%					22,167.52	1834.9
DEPRECIATION	1026-Tennes	26:340300		340300-Compi	1/1/2014	0.00	10/2008	1.83%					570,510.40	217648
DEPRECIATION	1026-Tennes	26:340310		340300-Compi	1/1/2014	0.00	10/2008	1.83%					18,451.72	422204.3
DEPRECIATION	1026-Tennes	26:340315		340300-Compi	1/1/2014	0.00	11/2012	10.00%					7,036,906.24	614395.6
DEPRECIATION	1026-Tennes	26:340320		340300-Compi	1/1/2014	0.00	10/2008	1.83%					138,183.42	161984
DEPRECIATION	1026-Tennes	26:340330		340300-Compi	1/1/2014	0.00	10/2008	1.83%					14,221.83	16786.66
DEPRECIATION	1026-Tennes	26:340400		340400-Data H	1/1/2014	0.00	10/2008	4.94%					15,283.88	14860.07
DEPRECIATION	1026-Tennes	26:340500		340500-Other	1/1/2014	0.00	10/2008	1.39%					38,755.09	23501.67
DEPRECIATION	1026-Tennes	26:341100		341100-Trans I	1/1/2014	0.00	10/2008	18.82%					1,128,648.34	852606.8
DEPRECIATION	1026-Tennes	26:341200		341200-Trans I	1/1/2014	0.00	10/2008	19.55%					1,536,714.84	1167091
DEPRECIATION	1026-Tennes	26:341300		341300-Trans I	1/1/2014	0.00	10/2008	13.39%					1,032,203.69	237418.2
DEPRECIATION	1026-Tennes	26:341400		341400-Trans I	1/1/2014	0.00	10/2008	8.52%					700,039.67	197452.1
DEPRECIATION	1026-Tennes	26:342000		342000-Stores	1/1/2014	0.00	05/2009	4.00%					-	0
DEPRECIATION	1026-Tennes	26:343000		343000-Tools,	1/1/2014	0.00	10/2008	6.89%					1,416,838.82	785586.5
DEPRECIATION	1026-Tennes	26:344000												