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BUTLER SNOW

June 3, 2019

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Hon. Robin L. Morrison, Chairman c/o Ectory Lawless, Docket Room Manager Tennessee Public Utility Commission 502 Deaderick Street, 4<sup>th</sup> Floor Nashville, TN 37243

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

Dear Chairman Morrison:

On May 31<sup>st</sup>, Tennessee-American Water Company filed *Tennessee-American Water Company's Supplemental Testimony of Elaine K. Chambers* in the above-captioned matter. The supplemental testimony was submitted in recognition of the Commission's April 15, 2019, deliberations in TPUC Docket No. 18-00022. The exhibits were inadvertently omitted from the May 31<sup>st</sup> filing. Enclosed for filing are the Supplemental Testimony of Elaine K. Chambers with the exhibits. We apologize for the omission.

As required, an original and four (4) hard copies will follow.

Should you have any questions concerning this filing, or require additional information, please do not hesitate to let me know.

Very truly yours,

BUTLER SNOW LLP

Melvin J. Malone (pg)

Melvin J. Malone

Enclosures

cc: Elaine K. Chambers, Tennessee-American Water Company

Vance Broemel, Assistant Attorney General, Financial Division, Consumer Advocate Unit Daniel Whitaker, Assistant Attorney General, Financial Division, Consumer Advocate Unit 47747432.v1

### PETITIONER'S EXHIBIT EKC-3

### TENNESSEE-AMERICAN WATER COMPANY, INC.

**DOCKET NO. 18-00120** 

### SUPPLEMENTAL TESTIMONY

OF

### **ELAINE K. CHAMBERS**

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 – REVISED 5 31 19 - EKC

PETITIONER'S EXHIBIT – AVG IMPACT – REVISED 5 31 19 - EKC PETITIONER'S EXHIBIT – QIIP 1 – REVISED 5 31 19 - EKC

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PETITIONER'S EXHIBIT – QIIP 2 – REVISED 5 31 19 - EKC

PETITIONER'S EXHIBIT – EDI 1 – REVISED 5 31 19 - EKC PETITIONER'S EXHIBIT – EDI 2 – REVISED 5 31 19 - EKC

PETITIONER'S EXHIBIT - SEC 1 - REVISED 5 31 19 - EKC

PETITIONER'S EXHIBIT – SEC 2 – REVISED 5 31 19 - EKC

<u>PETITIONER'S EXHIBIT – ANNUAL APPROVED TARIFFS – REVISED 5 31 19 - EKC</u>

<u>PETITIONER'S EXHIBIT – PROPOSED TARIFF SHEET NO. 12 – RIDERS – REVISED 5 31 19 - EKC</u>

- 1 Q. PLEASE STATE YOUR NAME AND BUSINESS ADDRESS.
- 2 A. My name is Elaine K. Chambers 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 Director,
- Rates and Regulatory for Tennessee-American Water and Kentucky-American Water.
- 7 Q. HAVE YOU PREVIOUSLY FILED TESTIMONY BEFORE THIS OR ANY
- 8 OTHER COMMISSION?
- 9 A. Yes. I submitted an affidavit in support of Federal Energy Regulatory Commission
- proceeding EL05-55-001, while employed by MISO. I have submitted testimony for
- Indianapolis Power and Light Company's case in chief in the following Cause Nos.:
- 44576, 44893, and 45029 while employed there. I have also submitted testimony for
- various TPUC Dockets.
- 14 Q. PLEASE STATE YOUR EDUCATIONAL AND PROFESSIONAL
- 15 BACKGROUND.
- 16 A. I have a Bachelor of Science degree from the University of Indianapolis in Accounting. I
- also have a Master's of Business Administration from the University of Indianapolis, and
- I am a Certified Public Accountant in the State of Indiana.
- I have twenty-one years of experience at Indianapolis Power and Light Company, twelve
- of which have been in the Rates area. I also have experience in energy consulting with
- Andersen and Black & Veatch. While employed by MISO, I managed the transmission
- and market settlement functions, along with dispute resolution. At Exelon, I managed

various Information Technology initiatives, which included merger and acquisition responsibilities.

### 3 Q. WHAT ARE YOUR DUTIES AS DIRECTOR OF RATES AND

### 4 REGULATORY?

5 A. My primary responsibilities encompass the coordination of regulatory issues in 6 Tennessee and Kentucky. This includes coordinating all reports and filings, working 7 with regulatory staff to make sure that all information produced addresses the 8 requirements or requests, and overseeing the preparation and filing of rate cases and tariff changes. I work with the senior management in both states on planning. I am also 9 10 responsible for keeping abreast of changes in regulation, or trends in regulatory oversight across the United States that may impact our local operations. I report to the Presidents 11 of Tennessee-American Water ("Tennessee-American," "TAWC" or "Company") and 12 Kentucky-American, "KWC" dually. I am located in Kentucky, but work closely with 13 the TAWC staff in Tennessee as well. 14

### 15 Q. WHAT IS THE PURPOSE OF YOUR TESTIMONY?

16 A. The purpose of this supplemental testimony is to support revisions to the calculation of
17 the 2019 Capital Recovery Riders in this Docket No. 18-00120, based on the
18 Commission's deliberations on April 15, 2019 in Docket No. 18-00022.

### 19 Q. ARE YOU SPONSORING ANY EXHIBITS?

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

1		Petitioner's Exhibit Summary - Revised 5 31 19 - EKC
2		Petitioner's Exhibit - Average Impact - Revised 5 31 19 - EKC
3		Petitioner's Exhibit - QIIP 1 - Revised 5 31 19 - EKC
4		Petitioner's Exhibit - QIIP 2 - Revised 5 31 19 - EKC
5		Petitioner's Exhibit – EDI 1 – Revised 5 31 19 - EKC
6		Petitioner's Exhibit – EDI 2 – Revised 5 31 19 - EKC
7		Petitioner's Exhibit – SEC 1 – Revised 5 31 19 - EKC
8		Petitioner's Exhibit – SEC 2 – Revised 5 31 19 - EKC
9		Petitioner's Exhibit – Annual Approved Tariffs – Revised 5 31 19 - EKC
10		Petitioner's Exhibit - Proposed Tariff Sheet No. 12 - Riders - Revised 5 31 19
11		<u>EKC</u>
10		
12		
13		I will discuss these <b>revised</b> exhibits in further detail in my testimony below.
14	Q.	WERE THE PETITIONER'S EXHIBITS LISTED ABOVE PREPARED BY YOU
15		OR UNDER YOUR DIRECTION AND SUPERVISION?
16	A.	Yes.
17	Q.	WHAT WERE THE SOURCES OF THE DATA USED TO PREPARE THE
18		PETITIONER'S EXHIBITS LISTED ABOVE?
19	A.	The data used to prepare the exhibits was acquired from the books of account and
20		business records of Tennessee American and other internal sources which I examined in
21		the course of my investigation of the matters addressed in this testimony.
22	Q.	DO YOU CONSIDER THIS DATA TO BE RELIABLE AND OF A TYPE THAT
23		IS NORMALLY USED AND RELIED ON IN YOUR BUSINESS FOR SUCH
24		PURPOSES?

25

A.

Yes.

- 1 Q. DO THE PETITIONER'S EXHIBITS LISTED ABOVE ACCURATELY
- 2 SUMMARIZE SUCH DATA AND THE RESULTS OF ANALYSIS USING SUCH
- 3 DATA?
- 4 A. Yes, they do.
- 5 Q. CAN YOU EXPLAIN THE REVISIONS IN THE CAPITAL RIDERS
- 6 CALCULATIONS REQUIRED DUE TO THE COMMISSION'S APRIL 15,
- 7 **2019 DELIBERATIONS?**
- 8 A. Yes. In order to include the Bonus and Repairs deductions as directed,
- 9 TAWC updated 4 tabs in the workpapers, "WKP 2019 Accum. Depr.", "WKP
- 10 2019 ADIT Summary", "WKP NOLC Calculation" and "WKP 2019 Tax Depr.
- 11 Balances".
- The Repair percentages for 2014 2019 can be found on tab "WKP 2019 Tax Depr.
- Balances". The Repairs deduction percentages are being applied to annual replacement
- investment for tax lives of 25 years and 39 years, excluding meters.
- Next, we added Bonus percentages for 2014 2019, which can be found on the same tab
- "WKP 2019 Tax Depr. Balances". The Bonus percentages are being applied to annual
- investments with tax lives less than or equal to 25 years.
- Third, we added the actual NOLC Total Company balances for 2014 2019 on tab "WKP"
- NOLC Calculation". Each year's NOLC amount in the Rider's ADIT balance is now the
- lesser of either the actual NOLC Total Company or the Rider specific calculated amount.
- The "WKP 2019 Accum. Depr. and "WKP 2019 ADIT Summary" summarizes the yearly
- 22 amounts for accumulated depreciation and accumulated deferred income taxes related to

<sup>&</sup>lt;sup>1</sup> As directed, TAWC is submitting these revised calculations based upon the deliberations on April 15, 2019, in Docket No. 18-00022.

- the Capital Riders. If specific annual CIAC amounts, either actual or estimated, are
- 2 incorporated for years 2018 and forward, these amounts have been included as an ADIT
- offset due to the taxability change from TCJA.
- It should be noted that 2019 filing (18-00120) still includes 2018 as estimated amounts. It
- should also be noted that TAWC's supplemental testimony in Docket 19-00031 filed on
- 6 5/16/2019 included these revised calculations.
- 7 Q. HAS TAWC INCLUDED A CHART SHOWING THE PROGRESSION OF THE
- 8 APPROVED RIDERS IN EACH DOCKET SINCE THE LAST RATE CASE?
- 9 A. Yes. I have included a chart reflecting each of the annual approvals with its filing. This
- is shown as Petitioner's Exhibit Annual Approved Tariffs Revised 5 31 19 -
- 11 **EKC**.
- 12 Q. WHAT IS THE PROPOSED ADJUSTED QIIP RIDER?
- 13 A. TAWC is proposing a QIIP Rider that would result in an annualized revenue recovery of
- \$5,482,911 for the 2019 calendar year or a surcharge of 11.65%. The surcharge is a
- cumulative amount since 2014. Again, the annualized revenue recovery is the monthly
- surcharge, times 12 months, to cover the cost to support all of the QIIP capital
- investment. This is an decrease of the requested QIIP Riders surcharge recovery from the
- original filing of (\$541,430) and an decrease in the total QIIP Rider surcharge percentage
- from the original filing of -1.15%.

# 1 Q. HAS TENNESSEE AMERICAN FILED A TARIFF ADDRESSING THE 2 PROPOSED QIIP RIDER?

- Yes. A new tariff <u>Thirteenth Revised Sheet No. 12 Riders 1</u> reflects all three Capital
   Recovery Riders and is attached to my testimony as <u>Petitioner's Exhibit Proposed</u>
- 5 Sheet No. 12- Riders Revised 5 31 19 EKC.

### 6 Q. WHAT IS THE PROPOSED EDI RIDER?

7 A. TAWC is proposing an EDI Rider that would result in an annualized revenue recovery of \$306,548 for the 2019 calendar year or a surcharge of 0.65%. The surcharge is a 8 9 cumulative amount. Again, the annualized revenue recovery is the monthly surcharge, 10 times 12 months, to cover the cost to support all of the EDI capital investment. This is an decrease in the requested EDI Rider surcharge recovery from the original filing of 11 12 (\$14,246) and an decrease in the total EDI Riders surcharge percentage from the original 13 filing of -0.03%. Again, this is shown on the new tariff Thirteenth Revised Sheet No. 12 - Riders - 1 which reflects all three Capital Recovery Riders and is attached to my 14 15 testimony as Petitioner's Exhibit Proposed Sheet No. 12- Riders – Revised 5 31 19 -EKC<sup>1</sup>. 16

### Q. WHAT IS THE PROPOSED SEC RIDER?

TAWC is proposing a SEC Rider that would result in an annualized revenue recovery of \$3,236,635 for the 2019 calendar year or a surcharge of 6.88%. Again, the annualized revenue recovery is the monthly surcharge, times 12 months, to cover the cost to support all of the SEC capital investment. This is an decrease in the requested SEC Rider surcharge recovery from the original filing of (\$301,011) and an decrease in the total SEC Rider surcharge percentage from the original filing of -0.64%. Again, this is shown

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1	on the new tariff Thirteenth Revised Sheet No. 12 – Riders – 1 which reflects all three
2	Capital Recovery Riders and is attached to my testimony as Petitioner's Exhibit
3	<u>Proposed Sheet No. 12- Riders – Revised 5 31 19 - EKC</u> . The sum of the three riders
4	is an increase of 2.75% on the current base bill.

- OFFSET ANY INCREASES IN CUSTOMERS' BILLS RESULTING FROM THE
  COMPANY STILL PROPOSE THAT DEFERRED SAVINGS
  ASSOCIATED WITH THE TAX CUTS AND JOBS ACT ("TCJA") BE USED TO
  OFFSET ANY INCREASES IN CUSTOMERS' BILLS RESULTING FROM THE
  COMPANY STILL PROPOSE THAT DEFERRED SAVINGS
  ASSOCIATED WITH THE TAX CUTS AND JOBS ACT ("TCJA") BE USED TO
  DEFERRED SAVINGS
  ASSOCIATED WITH THE TAX CUTS AND JOBS ACT ("TCJA") BE USED TO
  DEFERRED SAVINGS
  ASSOCIATED WITH THE TAX CUTS AND JOBS ACT ("TCJA") BE USED TO
  DEFERRED SAVINGS
  ASSOCIATED WITH THE TAX CUTS AND JOBS ACT ("TCJA") BE USED TO
  DEFERRED SAVINGS
  DEFERRED SAVINGS
- Yes, the Company still proposes that the savings from the TCJA be used to prevent any increases in customers' bills. In order to offset the 2.75% combined impact of the 2019 riders, the Company is proposing a TCJA credit of -2.75%. Consequently, the Company is still proposing a 0% rate increase as a result of the 2019 Capital Rider infrastructure investment.

### 14 Q. ARE THERE ANY CHANGES TO THE AVERAGE CUSTOMER BILL?

No. See revised table below. If the TPUC authorized the proposed offset, the impact to the average customer bill from the Capital Recovery Riders proposed in this docket will still be zero. For a typical residential customer living in the City of Chattanooga, and using an average of 4,154 gallons per month, the current increase in the proposed Capital Recovery Riders would represent an increase in their bill of \$0.59 per month, or \$7.08 per year. The TCJA offset would decrease the bill by the same amounts, so no net increase would be charged. While the overall sum of the three riders, before offset, is 2.75% as noted above, this is a total increase of 2.36% over the current monthly average bill that includes the previously approved Capital Recovery Riders. This is because the

overall sum of the three riders of 2.75% continues to be calculated on the revenues authorized in 2012. The cumulative impact on customer's bills are summarized in Table 1:

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

TPUC Docket No.	Effective Date	Annual Percentage Increase in Capital Recovery Riders	Capital Recovery Riders Cumulative Total	Cha A	l Increase to ttanooga verage nthly Bill	Chat	verage tanooga thly Bill*	In	onthly crease Total Bill	Monthly Increase from Previous Bill
12-00049	11/1/2012					\$	21.56			
13-00130	4/15/2014	1.080%	1.080%	\$	0.23	\$	21.79	\$	0.23	1.080%
14-00121	6/30/2015	4.640%	5.720%	\$	1.23	\$	22.79	\$	1.00	4.590%
15-00111	3/15/2016	4.660%	10.380%	\$	2.24	\$	23.79	\$	1.00	4.408%
16-00126	3/14/2017	3.570%	13.950%	\$	3.01	\$	24.56	\$	0.77	3.234%
17-00124	4/10/2018	2.480%	16.430%	\$	3.54	\$	25.10	\$	0.53	2.18%
Proposed TCJA Offset	1/1/2019 1/1/2019	2.750% -2.750%	19.180% 16.430%	\$ \$	4.13 3.54	\$ \$	25.69 25.10	\$	0.59	2.36% 0.00%

<sup>\*</sup> The purpose of this table is to aid in the the overall view of the impact of the Capital Recovery Riders and does not include reconciliaitions and the PCOP.

I am also providing a table reflecting the detailed changes for each Capital Recovery Rider, including the reconciliations. This is attached to my testimony as <u>Petitioner's</u>

<u>Exhibit – Annual Approved Tariffs – Revised 5 31 19 - EKC</u>. A summary of the impact for the average residential customer for each of Tennessee American's water rates

- is attached to my testimony as <u>Petitioner's Exhibit Average Impact Revised 5 31 19</u>
- 2 <u>- EKC</u>.
- 3 Q. DOES THIS CONCLUDE YOUR SUPPLEMENTAL TESTIMONY?
- 4 A. Yes. I reserve the ability to submit further testimony as is appropriate.

STATE OF <u>Kentucky</u> )
COUNTY OF <u>Fayette</u> )

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

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

Claine K. Chambers
Elaine K. Chambers

Sworn to and subscribed before me

this 30th day of May, 2

Notary Public

My Commission Expires: 7/25/2020

### 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:

Daniel Whitaker III
Vance Broemel
Financial Division
Consumer Advocate Unit
Office of the Tennessee Attorney General
P.O. Box 20207
Nashville, TN 37202-0207
Daniel.Whitaker@ag.tn.gov
Vance.Broemel@ag.tn.gov

This the 31<sup>st</sup> day of May, 2019.

47722496.v1

# 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	sed Proposed Revenue quirement*	a Percentage Applied to Bill*	Red	Revenue quirement as norized - 2018 (1)	Percentage Applied to Bill as Authorized (1)	Adj	Impact of Proposed justments on Revenue equirement	Impact of Proposed Adjustments on Bill Percentage	2019 TCJA Credit at -2.75%	d = b+c Total Impact of Proposed Adjustments and TCJA Credit on Bill	e = a+c Total Percentage Applied to Bill After TCJA Credit		inal Proposed Revenue equirement	·R	ct of Revised Revenue quirement
1					_		-	_								
2	QIIP	\$ 5,482,911	11.65%	\$	4,730,639	10.05%	\$	752,273	1.60%	-1.60%	0.00%	10.05%	\$	6,024,341	\$	(541,430)
3																
4	EDI	306,548	0.65%		194,545	0.41%		112,003	0.24%	-0.24%	0.00%	0.41%		320,794		(14,246)
5																
6	SEC	3,236,635	6.88%		2,809,385	5.97%		427,250	0.91%	-0.91%	0.00%	5.97%		3,537,646		(301,011)
7																
8	Total	\$ 9,026,095	19.18%	\$	7,734,569	16.43%	\$	1,291,526	2.75%	-2.75%	0.00%	16.43%	\$	9,882,782	\$	(856,687)
9				-									-		-	

<sup>\*</sup>Includes Def. Tax, Accum. Depreciation, Forfeited Discount Gross Up

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

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

Line Number	Area	Char	ervice rge - 5/8" Vleter	umetric Charge	ll Before rcharges	C: Surci	Authorized apital harges at 6.43%		.7 PCOP at -1.25%	Au	ital 2018 ithorized rcharges		2019 QIIP Ircharge at 1.6%	s	2019 EDI Jurcharge at 0.24%		2019 SEC urcharge at 0.91%	Ca	9 Proposed pital Rider justments		al Proposed urcharges	C	019 TCJA Credit at -2.75%	Su	I of Proposed Ircharges & CJA Credit
1									(0.00)							_				_		_	(0.50)		
2	Chattanooga	\$	13.96	\$ 7.60	\$ 21.56	\$	3.54	Ş	(0.27)	\$	3.27	Ş	0.34	Ş	0.05	\$	0.20	Ş	0.59	Ş	3.86	Ş	(0.59)	Ş	3.27
3																									
4	Lookout Mountain	\$	15.66	\$ 12.39	\$ 28.05	\$	4.61	\$	(0.35)	\$	4.26	\$	0.45	\$	0.07	\$	0.26	\$	0.78	\$	5.04	\$	(0.78)	\$	4.26
5																					<u> </u>				
6	Lakeview	\$	15.66	\$ 9.16	\$ 24.82	\$	4.08	\$	(0.31)	\$	3.77	\$	0.40	\$	0.06	\$	0.23	\$	0.69	\$	4.46	\$	(0.69)	\$	3.77
7					 																				
8	Suck Creek	\$	30.60	\$ 16.12	\$ 46.72	\$	7.68	\$	(0.58)	\$	7.09	\$	0.75	\$	0.11	\$	0.43	\$	1.29	\$	8.38	\$	(1.29)	\$	7.09
9																									
10	Whitwell	\$	42.03	\$ 35.68	\$ 77.71	\$	12.77	\$	(0.97)	\$	11.80	\$	1.24	\$	0.19	\$	0.71	\$	2.14	\$	13.94	\$	(2.14)	\$	11.80

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

			Revised QIIP		Original QIIP		
Line Number	Description	Cor	mpany Totals	Со	mpany Totals		Change
1	Additions Subject to QIIP:	\$	49,542,272	\$	49,542,272	\$	_
2	Plus: Cost of Removal less Salvage		6,795,685	·	6,795,685	·	_
3	Less: Contributions in Aid to Construction (CIAC)		2,284,346		2,284,346.40		_
4	Less: Deferred Income Taxes		6,767,381		565,451		6,201,930
5	Less: Accumulated Depreciation		2,575,012		2,575,012		-
6	Net Investment Supplied QIIP Additions:	\$	44,711,217	\$	50,913,147	\$	(6,201,930)
7							
8	Pre-Tax Rate of Return:		8.45145%		8.45145%		
9	Pre-Tax Return on Additions:	\$	3,778,747	\$	4,302,900	\$	(524,153)
10							· · · · · · · · ·
11	Depreciation Expense on QIIP Additions:		959,335		959,335		-
12							
13	Operational Expenses Related to QIIP		_		-		-
14							
15	Property and Franchise Taxes Associated with QIIP:		574,282		574,282		-
16							
17	QIIP Revenues:	\$	5,312,364	\$	5,836,517	\$	(524,153)
18							
19	Revenue Taxes		3.191%		3.191%		
20	QIIP Revenues with Revenue Taxes	\$	5,487,469	\$	6,028,900	\$	(541,430)
21							
22	QIIP APP Revenue Reduction		(4,558)		(4,558)		-
23							
24	Total QIIP Revenues with Revenue Taxes & APP Reduction	\$	5,482,911	\$	6,024,341	\$	(541,430)
25							
26	Service Charge and Volumetric Revenues as Per Docket No. 12-00049	\$	47,073,724	\$	47,073,724	\$	-
27							
28	QIIP Percentage to Apply to Bill:		11.65%		12.80%		-1.15%
29							

1,004,494 \$

1,004,494

\$

977

977

(137,270) \$

(137,270)

(32,197)

(32,197)

\_\_\_\_\_1 \_\_\_\_2 \_\_\_3 \_\_\_4 \_\_\_5 \_\_\_B \_\_\_C

QIIP =Col 1 + Col 2 **Net Investments** Accumulated (for Property Tax Cost of Removal **Deferred Income** Accumulated Line # **Investment by Plant Account Account Description** Additions Retirements CIAC Calculation) **Net of Salvage** Taxes Depreciation 304300 1 Struct & Imp-Treatment 2 \$ \$ **Recurring Projects** \$ (94,900)(94,900)17,257 3 Investment Projects 6,263,393 (180,782)6,082,611 1,373,729 (855,566) (770,644)4 Total QIP 6.263.393 (275.681) 5.987.711 1.373.729 (855,566) (753.387) 5 6 304301 Struct & Imp-Treatment-Dpr Paint \$ 1,250,689 (170,157) 1,080,532 661,770 (170,843) (451,641) 7 \$ **Recurring Projects** 8 Investment Projects 9 Total QIP 1,250,689 (170,157) 1,080,532 661,770 (170,843) (451,641) 10 11 320100 WT Equip Non-Media 12 **Recurring Projects** \$ 259,932 \$ (123,785)\$ 136,147 89,500 (35,508) \$ (43,061)2,127,828 (340,663) 13 Investment Projects 2,493,903 (366,075)53,846 (68,572)14 Total QIP 2,753,835 (489,860) 2,263,976 143,346 (376,171) (111,633) 15 16 320200 Water Trmt Equip Filter Media 52,740 17 **Recurring Projects** \$ \$ (36,378)\$ \$ 16,362 206,460 (7,207) \$ (18,445)18 Investment Projects 52,740 206,460 19 Total QIP (36,378) 16,362 (7,207) (18,445) 20 21 330000 **Dist Reservoirs & Standpipes** Recurring Projects 22 23,274 \$ \$ 23,274 0 \$ (3,181) \$ (10,917)23 **Investment Projects** 23,274 23,274 0 (3,181) (10,917) 24 Total QIP 25 26 330003 **Tank Repainting** 27 Recurring Projects \$ 1,948,111 (222,583)\$ 1,725,527 418,192 (266,107) \$ (261,410) 28 **Investment Projects** 1,948,111 29 Total QIP \$ (222,583) 1,725,527 \$ 418,192 (266,107) (261,410) 30 31 330100 **Elevated Tanks & Standpipes** 32 Recurring Projects \$ 187,700 \$ 187,700 \$ (25,642)(9,080)33 Investment Projects Total QIP 187,700 187.700 Ś (25,642) (9,080)

(446)

(446)

\$

1,004,940

1,004,940

\$

\$

34 35 36

37

38

39

40

330200

Total QIP

**Recurring Projects** 

Investment Projects

**Ground Level Tanks** 

QIIP =Col 1 + Col 2

Line #	Investment by Plant Account	Account Description	Additions	R	etirements	CIAC	(fo	t Investments r Property Tax Calculation)		t of Removal t of Salvage	ccumulated erred Income Taxes		cumulated
41	331001	Transmission & Distribution Mains	 	-				<u> </u>			 		·
42	Recurring Projects		\$ 19,453,797	\$	(1,171,172)	\$ (2,133,047)	\$	18,282,626	\$	1,228,731	\$ (2,657,350)	\$	(501,342)
43	Investment Projects		2,414,209		-	-		2,414,209		-	(329,774)		(17,410)
44	Total QIP		\$ 21,868,006	\$	(1,171,172)	\$ (2,133,047)	\$	20,696,835	\$	1,228,731	\$ (2,987,124)	\$	(518,752)
45													
46	333000	Services											
47	Recurring Projects		\$ 3,638,217	\$	(122,451)	\$ (29,876.59)	\$	3,515,766	\$	908,872	\$ (496,976)	\$	(93,389)
48	Investment Projects		, , , <sub>=</sub>		-			, , -	•	, -	-	·	
49	Total QIP		\$ 3,638,217	\$	(122,451)	\$ (29,877)	\$	3,515,766	\$	908,872	\$ (496,976)	\$	(93,389)
50			 										
51	334100	Meters											
52	Recurring Projects		\$ 1,288,164	\$	(3,421,270)	\$ -	\$	(2,133,106)	\$	410,752	\$ (175,959)	\$	125,183
53	Investment Projects		-		-	-		-		-	-		-
54	Total QIP		\$ 1,288,164	\$	(3,421,270)	\$ -	\$	(2,133,106)	\$	410,752	\$ (175,959)	\$	125,183
55			 			 							
56	334200	Meter Installations											
57	Recurring Projects		\$ 7,629,951	\$	(957,191)	\$ -	\$	6,672,761	\$	1,392,981	\$ (1,042,238)	\$	(358,513)
58	Investment Projects		-		-	-		-		-	-		-
59	Total QIP		\$ 7,629,951	\$	(957,191)	\$ -	\$	6,672,761	\$	1,392,981	\$ (1,042,238)	\$	(358,513)
60			 										
61	335000	Hydrants											
62	Recurring Projects		\$ 1,425,916	\$	(169,414)	\$ (121,423)	\$	1,256,502	\$	49,875	\$ (194,779)	\$	(63,700)
63	Investment Projects		-		_	-		-		-	-		_
64	Total QIP		\$ 1,425,916	\$	(169,414)	\$ (121,423)	\$	1,256,502	\$	49,875	\$ (194,779)	\$	(63,700)
65			 										
66	346190	Hydrants											
67	Recurring Projects		\$ -	\$	-	\$ -	\$	-	\$	-	\$ -	\$	-
68	Investment Projects		207,335		-	-		207,335		-	(28,321)		(17,131)
69	Total QIP		\$ 207,335	\$	-	\$ -	\$	207,335	\$	-	\$ (28,321)	\$	(17,131)
70			 										
71	Expense:												
72			\$ _	\$	_	\$ _	\$	_	\$	_	\$ _	\$	_
73			_		_	_		_		_	_		_
74			-		-	_		-		-	-		-
75	Total		\$ =	\$	=	\$ =	\$	=	\$		\$ =	\$	=
76			 			 					 		
77	Total		\$ 49,542,272	\$	(7,036,604)	\$ (2,284,346)	\$	42,505,668	\$	6,795,685	\$ (6,767,384)	\$	(2,575,012)

				6		7		8		9	10		11		12
		QIIP	=Co	ols 1 + 3 + 5 + B + C		=Col 6 x .451452%		(Col 1+2+3)x preciation Rate	Rate	l 4 x Prop Tax e) + (Col 4 x nchise Rate)		=Co	ls 7 + 8 + 9 + 10		Col 11 / (1 - 3.191%)
Line #	Investment by Plant Account	Account Description		nings Basis Net estment (Rate Base)		nings Basis x -Tax Return (PTR)	D	epreciation Expense		perty Tax & nchise Fees	Operational Expenses		tal Before venue Tax		otal With venue Tax
1	304300	Struct & Imp-Treatment													
2	Recurring Projects		\$	17,257	\$	1,458	\$	(3,900)	\$	(1,282)	\$ -	\$	(3,724)	\$	(3,847)
3 4	Investment Projects Total QIP		\$	6,010,911 6,028,168	\$	508,009 509,468	\$	249,995 246,095	\$	82,180 80,898	\$ -		840,185 836,461	ċ	867,879
5	Total QIP		Ş	0,028,108	Ş	509,468	Ş	246,095	\$	80,898	\$ -	\$	830,401	\$	864,032
6	304301	Struct & Imp-Treatment-Dpr Paint													
7	Recurring Projects	Struct & Imp-meatment-Dpi Faint	\$	1,289,975	\$	109,022	\$	130,312	\$	14,599	\$ -	\$	253,932	\$	262,303
8	Investment Projects		Ÿ	-	Ÿ	-	Ÿ	-	Ÿ		-	Ψ.	-	Ÿ	-
9	Total QIP		\$	1,289,975	\$	109,022	\$	130,312	\$	14,599	\$ -	\$	253,932	\$	262,303
10															
11	320100	WT Equip Non-Media													
12	Recurring Projects		\$	270,863	\$	22,892	\$	1,484	\$	1,839	\$ -	\$	26,215	\$	27,079
13	Investment Projects			2,138,514		180,736		23,193		28,748	_		232,677		240,347
14	Total QIP		\$	2,409,377	\$	203,627	\$	24,677	\$	30,588	\$ -	\$	258,893	\$	267,426
15															
16	320200	Water Trmt Equip Filter Media									_				
17	Recurring Projects		\$	233,548	\$	19,738	\$	5,512	\$	221	\$ -	\$	25,471	\$	26,311
18 19	Investment Projects Total QIP		\$	233,548	\$	19,738	\$	5,512	\$	221	\$ -	\$	25,471	\$	26,311
20	Total QIP		Ş	233,548	Ş	19,738	Ş	5,512	\$	221	\$ -		25,471	<u> </u>	20,311
21	330000	Dist Reservoirs & Standpipes													
22	Recurring Projects	Dist Reservoirs & Standpipes	\$	9,176	\$	776	\$	484	\$	314	\$ -	\$	1,574	\$	1,626
23	Investment Projects		,	-	,	-	•	-	*	-	-	,	-	-	-
24	Total QIP		\$	9,176	\$	776	\$	484	\$	314	\$ -	\$	1,574	\$	1,626
25															
26	330003	Tank Repainting													
27	Recurring Projects		\$	1,838,786	\$	155,404	\$	191,188	\$	23,313	\$ -	\$	369,906	\$	382,098
28	Investment Projects			-		-		=		-	-		=		-
29	Total QIP		\$	1,838,786	\$	155,404	\$	191,188	\$	23,313	\$ -	\$	369,906	\$	382,098
30															
31	330100	Elevated Tanks & Standpipes	ć	452.070	ć	42.020		F 442	ć	2.526			20.000		24 207
32 33	Recurring Projects Investment Projects		\$	152,978	\$	12,929	\$	5,143	\$	2,536	\$ -	\$	20,608	\$	21,287
34	Total QIP		\$	152,978	\$	12,929	\$	5,143	\$	2,536	\$ -	<u> </u>	20,608	\$	21,287
35	rotal Qii		Ţ	132,376	y	12,323	7	3,143	7	2,330	7		20,000	7	21,207
36	330200	Ground Level Tanks													
37	Recurring Projects	5.55 25.5	\$	836,450	\$	70,692	\$	27,523	\$	13,571	\$ -	\$	111,787	\$	115,471
38	Investment Projects		•	-		-,		-		-		•	-	•	, -
39	Total QIP		\$	836,450	\$	70,692	\$	27,523	\$	13,571	\$ -	\$	111,787	\$	115,471
40															

				6		7		8		9		10		11		12
		QIIP	=Co	ls 1 + 3 + 5 + B + C		=Col 6 x .451452%		(Col 1+2+3)x preciation Rate	Rat	ol 4 x Prop Tax ee) + (Col 4 x nchise Rate)			=Co	ols 7 + 8 + 9 + 10	= (	Col 11 / (1 - 3.191%)
Line #	Investment by Plant Account	Account Description		ings Basis Net estment (Rate Base)		nings Basis x -Tax Return (PTR)	D	epreciation Expense		perty Tax & nchise Fees		erational openses		otal Before evenue Tax		Fotal With evenue Tax
41	331001	Transmission & Distribution Mains														
42	Recurring Projects		\$	15,390,790	\$	1,300,745	\$	201,870	\$	247,011	\$	-	\$	1,749,626	\$	1,807,297
43	Investment Projects			2,067,025		174,694		30,178		32,618		-		237,489		245,317
44	Total QIP		\$	17,457,815	\$	1,475,439	\$	232,047	\$	279,629	\$		\$	1,987,115	\$	2,052,614
45																
46	333000	Services		2.026.040		224 076		20.502		47.504				440.070	ć	424.050
47	Recurring Projects		\$	3,926,849	\$	331,876	\$	38,693	\$	47,501	\$	-	\$	418,070	\$	431,850
48 49	Investment Projects Total QIP		Ś	3,926,849	\$	331,876	\$	38,693	\$	47,501	\$		\$	418,070	\$	431,850
	Total QIP		Ş	3,920,049	Ş	331,676	Ş	30,093	Ş	47,301	Ş		Ş	418,070	Ş	431,630
50 51	334100	Meters														
52	Recurring Projects	Weters	\$	1,648,140	\$	139,292	\$	(159,343)	\$	(28,820)	\$		\$	(48,871)	¢	(50,482)
53	Investment Projects		Ą	1,048,140	٠	133,232	ڔ	(133,343)	٠	(28,820)	ş	_	٦	(40,071)	٠	(30,482)
54	Total QIP		Ś	1,648,140	\$	139,292	\$	(159,343)	\$	(28,820)	\$		\$	(48,871)	\$	(50,482)
55	. 5 (2)		<u> </u>	2,010,210	<u> </u>	100,202		(133)3 .37		(20,020)				(10,071)	<u> </u>	(50) 102)
56	334200	Meter Installations														
57	Recurring Projects		\$	7,622,181	\$	644,185	\$	182,166	\$	90,154	Ś	_	\$	916,505	\$	946,715
58	Investment Projects		•	-		-		-	•			_		-		-
59	Total QIP		\$	7,622,181	\$	644,185	\$	182,166	\$	90,154	\$	-	\$	916,505	\$	946,715
60						-		-								· · · · · · · · · · · · · · · · · · ·
61	335000	Hydrants														
62	Recurring Projects	•	\$	1,095,889	\$	92,619	\$	26,107	\$	16,976	\$	_	\$	135,702	\$	140,175
63	Investment Projects			-		-		-		-		-		-		-
64	Total QIP		\$	1,095,889	\$	92,619	\$	26,107	\$	16,976	\$	-	\$	135,702	\$	140,175
65								<u> </u>								
66	346190	Hydrants														
67	Recurring Projects		\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
68	Investment Projects			161,883		13,681		8,729		2,801		-		25,212		26,043
69	Total QIP		\$	161,883	\$	13,681	\$	8,729	\$	2,801	\$	-	\$	25,212	\$	26,043
70																
71	Expense:															
72			\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
73				-		-		-		-		-		-		-
74	Takal			-	_		_	<del>-</del>	_				<u> </u>			-
75 76	Total		\$		\$		\$	-	\$		\$	-	\$		\$	
76	Tatal		_	44 744 34 5	_	2 770 74-	_	050 335	_	F74 202			<u> </u>	F 242 264	<u></u>	F 407 400
77	Total		\$	44,711,214	\$	3,778,747	\$	959,335	\$	574,282	\$		\$	5,312,364	\$	5,487,469

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

			Revised EDI		Original EDI	
Line Number	Description	Cor	mpany Totals	Со	mpany Totals	Change
1	Additions Subject to EDI:	\$	2,893,001	\$	2,893,001 \$	_
2	Plus: Cost of Removal less Salvage	·	1,904		1,904	-
3	Less: Contributions in Aid to Construction (CIAC)		22,345		22,344.77	-
4	Less: Deferred Income Taxes		207,305		44,119	163,186
5	Less: Accumulated Depreciation		72,280		72,280	-
6	Net Investment Supplied EDI Additions:	\$	2,592,975	\$	2,756,162 \$	(163,186)
7						<u> </u>
8	Pre-Tax Rate of Return:		8.45145%		8.45145%	
9	Pre-Tax Return on Additions:	\$	219,144	\$	232,936 \$	(13,792)
10			·		· · · · · · · · · · · · · · · · · · ·	· · · · ·
11	Depreciation Expense on EDI Additions:		38,723		38,723	-
12					•	
13	Operational Expenses Related to EDI		-		-	-
14						
15	Property and Franchise Taxes Associated with EDI:		39,062		39,062	-
16			·		·	_
17	EDI Revenues:	\$	296,929	\$	310,721 \$	(13,792)
18			·		· · · · · · · · · · · · · · · · · · ·	· · · · ·
19	Revenue Taxes		3.191%		3.191%	
20	EDI Revenues with Revenue Taxes	\$	306,716	\$	320,963 \$	(14,246)
21						
22	EDI APP Revenue Reduction		(168)		(168)	-
23						
24	Total EDI Revenues with Revenue Taxes & APP Reduction	\$	306,548	\$	320,794 \$	(14,246)
25						
26	Service Charge and Volumetric Revenues as Per Docket No. 12-00049	\$	47,073,724	\$	47,073,724 \$	-
27	-	<u></u>	· · · · ·	-	· · · · ·	
28	EDI Percentage to Apply to Bill:		0.65%		0.68%	-0.03%
29	·· O- ·-   rr / ·-					212270

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

\_\_\_\_\_1 \_\_\_\_2 \_\_\_\_3 \_\_\_\_4 \_\_\_\_5 \_\_\_\_B \_\_\_\_C

**EDI** =Col 1 + Col 2

								Investments				cumulated		
	Investment by Plant						•	Property Tax		of Removal	Defe	erred Income		umulated
Line #	Account	Account Description	 Additions	Re	tirements	CIAC	С	alculation)	Net	of Salvage		Taxes	De	oreciation
1	331001	Transmission & Distribution Mains												
2	Recurring Projects		\$ 2,593,798	\$	-	\$ -	\$	2,593,798	\$	-	\$	(185,865)	\$	(59,032)
3	Investment Projects		 -		-	-		-		-		-		
4	Total QIP		\$ 2,593,798	\$	-	\$ -	\$	2,593,798	\$	-	\$	(185,865)	\$	(59,032)
5														
6	333000	Services												
7	Recurring Projects		\$ 18,398	\$	-	\$ -	\$	18,398	\$	-	\$	(1,318)	\$	(373)
8	Investment Projects		 			 				-				-
9	Total QIP		\$ 18,398	\$		\$ 	\$	18,398	\$		\$	(1,318)	\$	(373)
10														
11	334300	Meter Vaults												
12	Recurring Projects		\$ 44,848	\$	-	\$ -	\$	44,848	\$	-	\$	(3,214)	\$	(2,257)
13	Investment Projects		 -		-	 -		-		-		-		-
14	Total QIP		\$ 44,848	\$	-	\$ -	\$	44,848	\$	-	\$	(3,214)	\$	(2,257)
15														
16	335000	Hydrants												
17	Recurring Projects		\$ 235,957	\$	(1,799)	\$ (22,345)	\$	234,158	\$	1,904	\$	(16,908)	\$	(10,618)
18	Investment Projects		 -		-	 -		-		-		-		-
19	Total QIP		\$ 235,957	\$	(1,799)	\$ (22,345)	\$	234,158	\$	1,904	\$	(16,908)	\$	(10,618)
20					<u> </u>									
21	Expense:													
22			\$ -	\$	-	\$ -	\$	-	\$	-	\$	-	\$	-
23			-		-	-		-		-		-		-
24			 -		-	-		-		-		-		
25	Total		\$ -	\$	-	\$ -	\$	-	\$	-	\$	-	\$	-
26														
27	Total		\$ 2,893,001	\$	(1,799)	\$ (22,345)	\$	2,891,202	\$	1,904	\$	(207,305)	\$	(72,280)
28														

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

				6		7		8		9		10		11		12
		EDI	=Co	ols 1 + 3 + 5 + B + C		=Col 6 x .451452%		ol 1+2+3)x eciation Rate	Rate	4 x Prop Tax e) + (Col 4 x ochise Rate)			=Col	s 7 + 8 + 9 + 10		ol 11 / (1 - 3.191%)
				rnings Basis		nings Basis x	_		_				_		_	
Line #	Investment by Plant Account	Account Description		t Investment Rate Base)	Pre	-Tax Return (PTR)		preciation Expense		perty Tax & nchise Fees	•	erational openses		tal Before venue Tax		otal With venue Tax
1	331001	Transmission & Distribution Mains				(* * * * * * * * * * * * * * * * * * *										
2	Recurring Projects		\$	2,348,901	\$	198,516	\$	32,422	\$	35,044	\$	-	\$	265,983	\$	274,750
3	Investment Projects			-		-		-				-				
4	Total QIP		\$	2,348,901	\$	198,516	\$	32,422	\$	35,044	\$	-	\$	265,983	\$	274,750
5																
6	333000	Services														
7	Recurring Projects		\$	16,707	\$	1,412	\$	204	\$	249	\$	-	\$	1,865	\$	1,926
8	Investment Projects			-				-		-		-				-
9	Total QIP		\$	16,707	\$	1,412	\$	204	\$	249	\$	-	\$	1,865	\$	1,926
10																
11	334300	Meter Vaults														
12	Recurring Projects		\$	39,377	\$	3,328	\$	1,224	\$	606	\$	-	\$	5,158	\$	5,328
13	Investment Projects Total QIP		Ś	- 20.277	\$	3,328	_	1,224	\$	606	\$		\$	5,158	\$	5,328
14	Total QIP		\$	39,377	<u> </u>	3,328	\$	1,224	<b>\$</b>	606	<u> </u>		\$	5,158	<u> </u>	5,328
15 16	335000	Understa														
16 17	Recurring Projects	Hydrants	\$	187,991	\$	15,888	\$	4,872	\$	3,164	\$		\$	23,923	\$	24,712
18	Investment Projects		Ş	107,991	Ą	13,000	Ş	4,672	Ş	5,104	ş		ş	23,323	Ş	24,712
19	Total QIP		Ś	187,991	\$	15,888	\$	4,872	\$	3,164	\$		Ś	23,923	\$	24,712
20	10101 011			10.,551		10,000		.,072		3,10.				23,323		
21	Expense:															
22			\$	_	\$	_	\$	_	\$	_	Ś	_	\$	_	\$	_
23				_		-	•	_	•	_	•	_	•	-		-
24				-		-		-		-		_		-		-
25	Total		\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
26																
27	Total		\$	2,592,975	\$	219,144	\$	38,723	\$	39,062	\$	-	\$	296,929	\$	306,716
28												<del></del>			·	

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

Line Number	Description	Co	Revised SEC mpany Totals		Original SEC npany Totals		Change
1	Additions Subject to SEC:	\$	27,467,267	\$	27,467,267	\$	-
2	Plus: Cost of Removal less Salvage		2,974,425		2,974,425		-
3	Less: Contributions in Aid to Construction (CIAC)		-		-		-
4	Less: Deferred Income Taxes		4,042,525		594,534		3,447,991
5	Less: Accumulated Depreciation		2,095,219		2,095,219		
6	Net Investment Supplied SEC Additions:	\$	24,303,949	\$	27,751,939	\$	(3,447,991)
7							
8	Pre-Tax Rate of Return:		8.45145%		8.45145%		
9	Pre-Tax Return on Additions:	\$	2,054,037	\$	2,345,442	\$	(291,405)
10							
11	Depreciation Expense on SEC Additions:		736,617		736,617		-
12							
13	Operational Expenses Related to SEC		-		-		-
14							
15	Property and Franchise Taxes Associated with SEC:		347,250		347,250		-
16							
17	SEC Revenues:	\$	3,137,904	\$	3,429,309	\$	(291,405)
18				-			
19	Revenue Taxes		3.191%		3.191%		
20	SEC Revenues with Revenue Taxes	\$	3,241,335	\$	3,542,345		(301,011)
21							
22	SEC APP Revenue Reduction		(4,700)		(4,700)		_
23			, , ,		(,,,		
24	SEC Revenues with Revenue Taxes & APP Reduction	\$	3,236,635	\$	3,537,646	\$	(301,011)
25							
26	Service Charge and Volumetric Revenues as Per Docket No. 12-00049	¢	47,073,724	\$	47,073,724	ς	_
27	Service sharpe and volumethe nevenues as tel booket No. 12 00045	<del></del>	77,073,724	7	17,073,724	7	
28	SEC Percentage to Apply to Bill:		6.88%		7.52%		-0.64%
28 29	SEC PETCEITIAGE TO APPLY TO BIII.		0.68%		7.32%		-0.04%

1 2 3 4 5 B C

SEC =Col 1 + Col 2

Line #	Investment by Plant Account	Account Description		Additions	Re	tirements		CIAC	(for	Investments Property Tax alculation)		t of Removal		ccumulated erred Income Taxes		cumulated preciation
1	304100	Structures & Improvement-Supply														
2	Recurring Projects		\$	890,561	\$	-	\$	-	\$	890,561	\$	874	\$	(131,071)	\$	(35,573)
3	Investment Projects					-										
4	Total QIP		\$	890,561	\$	-	\$	-	\$	890,561	\$	874	\$	(131,071)	\$	(35,573)
5 6	204200	Characterist & Laurence and Brown														
ь 7	Recurring Projects	Structures & Improvement-Pump	\$	1,044,136	\$	(38,642)	ć		Ś	1,005,494	\$	40,720	ć	(153,673)	\$	(27.010)
8	Investment Projects		\$	1,044,136	>	(14,622)	\$	-	\$	(14,622)	>	243,354	\$	(153,673)	\$	(37,919) 613
9	Total QIP		Ś	1,044,136	\$	(53,264)	\$		\$	990,872	\$	284,074	\$	(153,673)	\$	(37,306)
10	Total QIF		<u> </u>	1,044,130	7	(33,204)	7		7	330,872	<u>,                                      </u>	284,074		(133,073)	J	(37,300)
11	304300	Structures & Improvement-WT														
12	Recurring Projects	Structures & improvement-wr	\$	687,978	\$	(27,649)	\$		\$	660,329	\$	18,410	\$	(101,253)	\$	(52,479)
13	Investment Projects		Ÿ	4,141,710	Ÿ	(54,346)	Ÿ	_	Ÿ	4,087,363	Ÿ	1,535,662	Ÿ	(609,560)	Ÿ	(413,844)
14	Total QIP		Ś	4,829,688	Ś	(81,996)	Ś		Ś	4,747,693	Ś	1,554,072	Ś	(710,813)	Ś	(466,323)
15	10131 4.1		<u> </u>	1,023,000	<u> </u>	(01)330)				1,7 17,033		1,55 1,672		(710,010)		(100,323)
16	304400	Structures & Improvement-T&D														
17	Recurring Projects		\$	109,284	\$	-	\$	_	\$	109,284	\$	-	\$	(16,085)	\$	(5,165)
18	Investment Projects		•	-	•	_	*	_	,	-	*	-	•	-	•	-
19	Total QIP		\$	109,284	\$	-	\$	-	\$	109,284	\$	-	\$	(16,085)	\$	(5,165)
20																
21	304500	Structures & Improvement - General														
22	Recurring Projects	, , , , , , , , , , , , , , , , , , ,	\$	82,913	\$	-	\$	-	\$	82,913	\$	277	\$	(12,204)	\$	(2,639)
23	Investment Projects			1,062,411		-		-		1,062,411		-		(156,361)		(168,211)
24	Total QIP		\$	1,145,324	\$	-	\$	-	\$	1,145,324	\$	277	\$	(168,565)	\$	(170,850)
25																
26	304600	Struc &Imp-Offices														
27	Recurring Projects		\$	9,417	\$	-	\$	-	\$	9,417	\$	-	\$	(1,387)	\$	-
28	Investment Projects			-		-		-		-		-		-		-
29	Total QIP		\$	9,417	\$	-	\$	-	\$	9,417	\$	-	\$	(1,387)	\$	-
30																
31	304700	Struct & Imp-Store, Shop, Garage														
32	Recurring Projects		\$	-	\$	(7,869)	\$	-	\$	(7,869)	\$	1	\$	-	\$	235
33	Investment Projects			-		-		-		-		-		-		-
34	Total QIP		\$	-	\$	(7,869)	\$	-	\$	(7,869)	\$	1	\$	-	\$	235
35																
36	306000	Lake, River & Other Intakes														
37	Recurring Projects		\$	30,376	\$	-	\$	-	\$	30,376	\$	313	\$	(4,471)	\$	(681)
38	Investment Projects			-		-		-		-		-		-		-
39	Total QIP		\$	30,376	\$	-	\$	-	\$	30,376	\$	313	\$	(4,471)	\$	(681)
40																
41	309000	Supply Mains														
42	Recurring Projects		\$	9,862	\$	-	\$	-	\$	9,862	\$	-	\$	(1,451)	\$	(907)
43	Investment Projects			-		-		-				-		-		-
44	Total QIP		\$	9,862	\$	-	\$	-	\$	9,862	\$	-	\$	(1,451)	\$	(907)
45						_						_				_

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SEC =Col 1 + Col 2

Line #	Investment by Plant Account	Account Description		Additions	Re	etirements		CIAC	(for	Investments Property Tax Calculation)		t of Removal t of Salvage		ccumulated erred Income Taxes		umulated preciation
46	310000	Power Generation Equip														
47	Recurring Projects		\$	43,178	\$	-	\$	-	\$	43,178	\$	115	\$	(6,355)	\$	(20,509)
48	Investment Projects			-		-		-		-		-		-		-
49	Total QIP		\$	43,178	\$	-	\$	-	\$	43,178	\$	115	\$	(6,355)	\$	(20,509)
50										<u>.</u>						
51	311200	Pump Eqp Electric														
52	Recurring Projects		\$	51,831	\$	(165,004)	\$	-	\$	(113,173)	\$	49,517	\$	(7,628)	\$	6,110
53	Investment Projects			-		-		-				-		-		-
54	Total QIP		\$	51,831	\$	(165,004)	\$	-	\$	(113,173)	\$	49,517	\$	(7,628)	\$	6,110
55																
56	311520	Pumping Equipment SOS														
57	Recurring Projects		\$	2,145,484	\$	(74,947)	\$	-	\$	2,070,537	\$	41,384	\$	(315,766)	\$	(89,482)
58	Investment Projects							-								<del></del>
59	Total QIP		\$	2,145,484	\$	(74,947)	\$	-	\$	2,070,537	\$	41,384	\$	(315,766)	\$	(89,482)
60																
61	320100	WT Equip Non-Media			_		_		_		_		_			
62	Recurring Projects		\$	3,485,150	\$	(616,837)	\$	-	\$	2,868,313	\$	395,663	\$	(512,932)	\$	(103,474)
63	Investment Projects		Ś	10,675,325	_	(31,111)		-	_	10,644,214		34,423	_	(1,571,149)	_	(342,818)
64	Total QIP		\$	14,160,475	\$	(647,948)	\$		\$	13,512,527	\$	430,086	\$	(2,084,081)	\$	(446,291)
65																
66	320200	Water Trmt Equip Filter Media		4.456.745		(440.747)				707.000		400.070		(470.047)		(677 440)
67	Recurring Projects		\$	1,156,745	\$	(449,717)	\$	-	\$	707,028	\$	489,873	\$	(170,247)	\$	(677,142)
68	Investment Projects		Ś	1 156 745	Ċ	(440.747)	ć		ć	707.020	ć	400.073	ć	(470.247)	_	(677.4.42)
69	Total QIP		\$	1,156,745	\$	(449,717)	\$		\$	707,028	\$	489,873	\$	(170,247)	\$	(677,142)
70	220000	Dist Become in 0 Characteries														
71	330000	Dist Reservoirs & Standpipes	\$	20.665	\$	(0)			\$	20.665	\$		,	(4.266)		(4.204)
72 73	Recurring Projects Investment Projects		\$	29,665	\$	(0)	\$	-	\$	29,665	\$	-	\$	(4,366)	\$	(1,294)
73 74	Total QIP		\$	29,665	\$	(0)	\$	<del></del>	\$	29,665	\$		\$	(4,366)	\$	(1,294)
75	Total QIF		<u> </u>	23,003	7	(0)			<u>,</u>	23,003			<u>,</u>	(4,300)		(1,234)
76	330200	Ground Level Tanks														
70 77	Recurring Projects	Giodila Level Faliks	\$		\$		\$	_	\$		\$	_	\$		\$	_
78	Investment Projects		Ą	254,153	Ų	(1,500)	Ų		Ų	252,653	Ų	50,000	Ç	(37,405)	Ÿ	(11,579)
78 79	Total QIP		\$	254,153	\$	(1,500)	\$		\$	252,653	\$	50,000	\$	(37,405)	Ś	(11,579)
80	10131 411		<u> </u>	25 1,155	<u> </u>	(1,500)	<u> </u>		<u> </u>	232,033	Ť	30,000	<u> </u>	(57) 103)	<u> </u>	(11)3737
81	331001	Transmission & Distribution Mains														
82	Recurring Projects		\$	_	\$	(1,011)	\$	_	\$	(1,011)	\$	_	\$	_	\$	20
83	Investment Projects		Ÿ	-	Ψ.	(1,011)	Ψ.	_	Ÿ	(1,011)	Ψ.	-	Ψ.	_	Ý	-
84	Total QIP		\$		\$	(1,011)	\$		\$	(1,011)	\$		\$		\$	20
85	• • •				<u> </u>		<u></u>		<u></u>		÷		÷			
91	340200	Computer & Peripheral Equipment														
92	Recurring Projects	American enteren enterprise	\$	78,567	\$	(0)	\$	_	\$	78,567	\$	2,554	\$	(11,562)	\$	(3,541)
93	Investment Projects		•	-,	•	-	•	_	•	-,		-	•	-	•	-
94	Total QIP		\$	78,567	\$	(0)	\$	-	\$	78,567	\$	2,554	\$	(11,562)	\$	(3,541)
95	•					(-)	_		_		<u> </u>		<u> </u>		<del></del>	
96	340300	Computer Software														
	-	•														

=Col 1 + Col 2

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	Investment by Plant						(for F	Investments Property Tax		of Removal	cumulated rred Income		mulated
Line #	Account	Account Description	 Additions	Reti	irements	 CIAC	Ca	lculation)	Net	of Salvage	 Taxes	Depr	reciation
97	Recurring Projects		\$ 124,563	\$	-	\$ -	\$	124,563	\$	-	\$ (18,333)	\$	-
98	Investment Projects		-		-	-		-		-	-		-
99	Total QIP		\$ 124,563	\$	-	\$ -	\$	124,563	\$	-	\$ (18,333)	\$	-
100													
101	340330	Computer Software Other											
102	Recurring Projects		\$ 1,224	\$	-	\$ -	\$	1,224	\$	-	\$ (182)	\$	-
103	Investment Projects		 -		-			-		-	-		
104	Total QIP		\$ 1,224	\$	-	\$ -	\$	1,224	\$	-	\$ (182)	\$	-
105			 			 							

SEC

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SEC =Col 1 + Col 2

Line #	Investment by Plant Account	Account Description		Additions	R	etirements	CIAC	(for	Investments Property Tax alculation)	et of Removal	ccumulated ferred Income Taxes	cumulated preciation
106	343000	Tools, Shop, Garage Equipment								 ,		
107	Recurring Projects		\$	4,127	\$	(3,416)	\$ -	\$	711	\$ -	\$ (606)	\$ (140)
108	Investment Projects			-		-	-		-	-	-	-
109	Total QIP		\$	4,127	\$	(3,416)	\$ -	\$	711	\$ -	\$ (606)	\$ (140)
110												
111	344000	Laboratory Equipment										
112	Recurring Projects		\$	6,138	\$	(150,505)	\$ -	\$	(144,367)	\$ 1,535	\$ (901)	\$ 6,775
113	Investment Projects			-		-	-		-	-	-	-
114	Total QIP		\$	6,138	\$	(150,505)	\$ -	\$	(144,367)	\$ 1,535	\$ (901)	\$ 6,775
115			-									
116	345000	Power Operated Equipment										
117	Recurring Projects		\$	51,973	\$	(14,251)	\$ -	\$	37,722	\$ 2,117	\$ (7,648)	\$ (9,977)
118	Investment Projects			-		-	-		-	-	-	-
119	Total QIP		\$	51,973	\$	(14,251)	\$ -	\$	37,722	\$ 2,117	\$ (7,648)	\$ (9,977)
120			-									
121	346100	Comm Equip Non-Telephone										
122	Recurring Projects		\$	35,018	\$	-	\$ -	\$	35,018	\$ -	\$ (5,154)	\$ (8,556)
123	Investment Projects			-		-	-		-	-	-	-
124	Total QIP		\$	35,018	\$	-	\$ -	\$	35,018	\$ -	\$ (5,154)	\$ (8,556)
125				:								 
126	346190	Remote Control & Instrument										
127	Recurring Projects		\$	953,473	\$	(109,284)	\$ -	\$	844,189	\$ 63,645	\$ (140,328)	\$ (99,979)
128	Investment Projects			286,295		-	-		286,295	-	(42,135)	(19,007)
129	Total		\$	1,239,768	\$	(109,284)	\$ -	\$	1,130,484	\$ 63,645	\$ (182,463)	\$ (118,986)
130							 					 
131	347000	Misc Equipment										
132	Recurring Projects		\$	9,763	\$	(4,756)	\$ -	\$	5,007	\$ 3,990	\$ (1,435)	\$ (1,578)
133	Investment Projects			5,946		-	-		5,946	-	(873)	(2,478)
134	Total		\$	15,709	\$	(4,756)	\$ -	\$	10,953	\$ 3,990	\$ (2,308)	\$ (4,057)
135				:								 
136	Expense:											
137	Chemical Expense for Wast	eWater handling:	\$		\$	-	\$ 	\$		\$ -	\$ 	\$ -
138	Electric Power Expense for	Wasterwater handling:				-				-		-
139	Hauling Expense for Waster	rwater handling:		_		-			-	-	-	-
140	Total	-	\$	-	\$	-	\$ -	\$	-	\$ -	\$ -	\$ -
141												
142	Total		\$	27,467,267	\$	(1,765,469)	\$ -	\$	25,701,798	\$ 2,974,425	\$ (4,042,521)	\$ (2,095,219)

				6		7		8		9		10		11		12
		SEC	=Cols	s 1 + 3 + 5 + B + C		=Col 6 x 451452%		(Col 1+2+3)x preciation Rate	Rate	l 4 x Prop Tax e) + (Col 4 x nchise Rate)			=Col	ls 7 + 8 + 9 + 10		col 11 / (1 - 3.191%)
Line #	Investment by Plant Account	Account Description		ngs Basis Net stment (Rate Base)		nings Basis x Tax Return (PTR)	C	Depreciation Expense		perty Tax & nchise Fees	-	erational openses		tal Before venue Tax		otal With venue Tax
1	304100	Structures & Improvement-Supply				<u> </u>	-					•				
2	Recurring Projects		\$	724,791	\$	61,255	\$	17,633	\$	12,032	\$	-	\$	90,921	\$	93,918
3	Investment Projects			-		-		-		-		-		-		-
4	Total QIP		\$	724,791	\$	61,255	\$	17,633	\$	12,032	\$	-	\$	90,921	\$	93,918
5																
6	304200	Structures & Improvement-Pump														
7	Recurring Projects		\$	893,264	\$	75,494	\$	19,909	\$	13,585	\$	-	\$	108,988	\$	112,580
8	Investment Projects			243,967		20,619		(290)		(198)		-		20,132		20,795
9	Total QIP		\$	1,137,231	\$	96,113	\$	19,619	\$	13,387	\$		\$	129,119	\$	133,375
10																
11 12	304300	Structures & Improvement-WT	\$	552,656	\$	46,707	\$	27,140	\$	8,922	\$		\$	82,769	\$	05 407
13	Recurring Projects Investment Projects		Ş	4,653,968	Ş	393,328	Ş	167,991	Ş	55,223	Ş	-	Ş	616,542	Ş	85,497 636,864
14	Total QIP		\$	5,206,624	\$	440,035	\$	195,130	\$	64,145	\$		\$	699,310	\$	722,361
15	Total QIF		<u> </u>	3,200,024		440,033	Ţ	133,130		04,143	<del>,</del>		- <u>-</u>	033,310	7	722,301
16	304400	Structures & Improvement-T&D														
17	Recurring Projects	on actual co a improvement rap	\$	88,034	\$	7,440	\$	2,328	\$	1,477	\$	_	\$	11,244	\$	11,615
18	Investment Projects		•	-	•	-	•	-,	•	-,		-	•	,	•	,
19	Total QIP		\$	88,034	\$	7,440	\$	2,328	\$	1,477	\$	-	\$	11,244	\$	11,615
20																
21	304500	Structures & Improvement - General														
22	Recurring Projects		\$	68,348	\$	5,776	\$	937	\$	1,120	\$	-	\$	7,834	\$	8,092
23	Investment Projects			737,839		62,358		12,005		14,354		-		88,717		91,642
24	Total QIP		\$	806,186	\$	68,134	\$	12,942	\$	15,474	\$	-	\$	96,551	\$	99,733
25																
26	304600	Struc &Imp-Offices														
27	Recurring Projects		\$	8,030	\$	679	\$	106	\$	127	\$	-	\$	912	\$	942
28	Investment Projects		Ś	8,030	_	679	ć	106	Ś	127	Ś	-	Ś	912	Ś	942
29	Total QIP		\$	8,030	\$	679	\$	106	<u> </u>	127	<u>\$</u>		>	912	\$	942
30	204700	Struct & Imm Stone Show Covers														
31 32	304700 Recurring Projects	Struct & Imp-Store,Shop,Garage	\$	236	\$	20	\$	(57)	\$	(106)	\$		\$	(144)	\$	(149)
33	Investment Projects		Ÿ	-	Ÿ	-	Ÿ	(37)	Ÿ	(100)	Ψ		Ÿ	(144)	Ÿ	(143)
34	Total QIP		\$	236	Ś	20	\$	(57)	\$	(106)	\$	-	Ś	(144)	Ś	(149)
35					_		<u> </u>	(0.7	_	(200)			· <u></u>	(=7	_	(2.07
36	306000	Lake, River & Other Intakes														
37	Recurring Projects	•	\$	25,537	\$	2,158	\$	252	\$	410	\$	-	\$	2,821	\$	2,914
38	Investment Projects			-		-		-		-		-		-		-
39	Total QIP		\$	25,537	\$	2,158	\$	252	\$	410	\$	-	\$	2,821	\$	2,914
40																
41	309000	Supply Mains														
42	Recurring Projects		\$	7,504	\$	634	\$	184	\$	133	\$	-	\$	952	\$	983
43	Investment Projects			-		-		-		-				-		-
44	Total QIP		\$	7,504	\$	634	\$	184	\$	133	\$	-	\$	952	\$	983
45																

				6		7		8		9		10		11		12
		SEC	=Col	ls 1 + 3 + 5 + B + C		=Col 6 x .451452%		(Col 1+2+3)x preciation Rate	Rat	ol 4 x Prop Tax te) + (Col 4 x nchise Rate)			=Co	ols 7 + 8 + 9 + 10		Col 11 / (1 - 3.191%)
Line #	Investment by Plant Account	Account Description		ings Basis Net estment (Rate Base)		nings Basis x -Tax Return (PTR)	D	epreciation Expense		operty Tax & unchise Fees	-	erational xpenses		otal Before evenue Tax		otal With venue Tax
46	310000	Power Generation Equip														
47	Recurring Projects		\$	16,429	\$	1,388	\$	5,324	\$	583	\$	-	\$	7,296	\$	7,536
48	Investment Projects				_		_		_	-		-			_	
49	Total QIP		\$	16,429	\$	1,388	\$	5,324	\$	583	\$	-	\$	7,296	\$	7,536
50 51	311200	Pump Eqp Electric														
52	Recurring Projects	Pump Eqp Electric	\$	99,830	\$	8,437	\$	(2,773)	\$	(1,529)	\$		\$	4,135	\$	4,272
53	Investment Projects		ş	99,630	۶	0,437	ş	(2,773)	Ş	(1,329)	Ş		ş	4,133	ş	4,272
54	Total QIP		\$	99,830	\$	8,437	\$	(2,773)	\$	(1,529)	\$	-	\$	4,135	\$	4,272
55	10101 Q.1		<u> </u>	33,030		0,137		(2,775)		(1)323)				1,133		.,2,2
56	311520	Pumping Equipment SOS														
57	Recurring Projects	b9 = 4p	\$	1,781,620	\$	150,573	\$	37,891	\$	27,974	\$		\$	216,438	\$	223,572
58	Investment Projects		·	-		-		-		-			·	-		-
59	Total QIP		\$	1,781,620	\$	150,573	\$	37,891	\$	27,974	\$	-	\$	216,438	\$	223,572
60																
61	320100	WT Equip Non-Media														
62	Recurring Projects		\$	3,264,408	\$	275,890	\$	31,265	\$	38,753	\$	-	\$	345,907	\$	357,309
63	Investment Projects			8,795,781		743,371		116,022		143,811		-		1,003,204		1,036,272
64	Total QIP		\$	12,060,188	\$	1,019,261	\$	147,287	\$	182,564	\$	-	\$	1,349,112	\$	1,393,581
65																
66	320200	Water Trmt Equip Filter Media														
67	Recurring Projects		\$	799,229	\$	67,546	\$	238,198	\$	9,552	\$	-	\$	315,297	\$	325,689
68	Investment Projects											-				
69	Total QIP		\$	799,229	\$	67,546	\$	238,198	\$	9,552	\$		\$	315,297	\$	325,689
70																
71	330000	Dist Reservoirs & Standpipes		24.005		2 020		c.=						2047		2447
72 73	Recurring Projects Investment Projects		\$	24,006	\$	2,029	\$	617	\$	401	\$	-	\$	3,047	\$	3,147
73 74	Total QIP		\$	24,006	Ś	2,029	\$	617	\$	401	\$		Ś	3,047	\$	3,147
75	Total QIF		<u>,</u>	24,000	<u>,</u>	2,023	7	017		401	,		<del>,</del>	3,047	7	3,147
76	330200	Ground Level Tanks														
77	Recurring Projects	Ground Level rains	\$	_	\$	_	\$	_	\$	_	\$		\$	_	\$	-
78	Investment Projects		·	255,169		21,566		6,923		3,414			·	31,902		32,953
79	Total QIP		\$	255,169	\$	21,566	\$	6,923	\$	3,414	\$	-	\$	31,902	\$	32,953
80																
81	331001	<b>Transmission &amp; Distribution Mains</b>														
82	Recurring Projects		\$	20	\$	2	\$	(13)	\$	(14)	\$	-	\$	(25)	\$	(25)
83	Investment Projects			-		-		-		-		-		-		-
84	Total QIP		\$	20	\$	2	\$	(13)	\$	(14)	\$	-	\$	(25)	\$	(25)
85																
91	340200	Computer & Peripheral Equipment														
92	Recurring Projects		\$	66,018	\$	5,579	\$	1,721	\$	1,061	\$	-	\$	8,362	\$	8,637
93	Investment Projects			-		-	_	-		-		-		-		-
94	Total QIP		\$	66,018	\$	5,579	\$	1,721	\$	1,061	\$	-	\$	8,362	\$	8,637
95																
96	340300	Computer Software														

				6		7	8			9		10		11		12
		SEC	=Cols	s 1 + 3 + 5 + B + C		Col 6 x 51452%	=(Col 1+2 Depreciatio	,	Rate)	x Prop Tax + (Col 4 x hise Rate)			=Cols	7+8+9+ 10		l 11 / (1 - 191%)
	Investment by Plant			ngs Basis Net stment (Rate	Pre-T	ngs Basis x ax Return	Deprecia -		•	erty Tax &	•	ational		al Before		tal With
Line #	Account	Account Description		Base)		(PTR)	Expens	_	Franc	hise Fees	Exp	enses	Rev	enue Tax	Rev	enue Tax
97	Recurring Projects		\$	106,230	\$	8,978	\$	2,279	\$	1,683	\$	-	\$	12,940	\$	13,367
98	Investment Projects					-		-				•				-
99	Total QIP		\$	106,230	\$	8,978	\$	2,279	\$	1,683	\$	-	\$	12,940	\$	13,367
100																
101	340330	Computer Software Other														
102	Recurring Projects		\$	1,042	\$	88	\$	22	\$	17	\$		\$	127	\$	131
103	Investment Projects			-		-		-		-		-		-		-
104	Total QIP		\$	1,042	\$	88	\$	22	\$	17	\$	-	\$	127	\$	131
105																

				6		7		8		9		10		11		12
		SEC	=Co	ls 1 + 3 + 5 + B + C	8	=Col 6 x 3.451452%	,	Col 1+2+3)x reciation Rate	Rat	ol 4 x Prop Tax ce) + (Col 4 x nchise Rate)			=Co	ols 7 + 8 + 9 + 10		Col 11 / (1 - 3.191%)
Line #	Investment by Plant Account	Account Description		ings Basis Net estment (Rate Base)		nings Basis x -Tax Return (PTR)		epreciation Expense		perty Tax & nchise Fees	-	erational penses		otal Before evenue Tax		otal With
106	343000	Tools, Shop, Garage Equipment														
107	Recurring Projects		\$	3,381	\$	286	\$	49	\$	10	\$	-	\$	344	\$	356
108	Investment Projects							-		-		-		-		-
109	Total QIP		\$	3,381	\$	286	\$	49	\$	10	\$	-	\$	344	\$	356
110																
111	344000	Laboratory Equipment			_		_		_		_				_	/\
112	Recurring Projects		\$	13,547	\$	1,145	\$	(1,458)	\$	(1,951)	\$	-	\$	(2,264)	\$	(2,338)
113 114	Investment Projects Total QIP		\$	13,547	\$	1,145	\$	(1,458)	\$	(1,951)	\$		\$	(2,264)	\$	(2,338)
	TOTAL CIP		Ş	13,547	Ş	1,145	Ş	(1,456)	Ş	(1,951)	Ş		Ş	(2,204)	Ş	(2,330)
115 116	345000	Power Operated Equipment														
117	Recurring Projects	rower Operated Equipment	\$	36,464	\$	3,082	\$	2,652	\$	510	\$		\$	6,243	\$	6,449
118	Investment Projects		Ą	30,404	Ç	3,002	Ų	2,032	Ç	510	Ÿ		Ų	0,243	Ų	0,443
119	Total QIP		Ś	36,464	Ś	3,082	Ś	2,652	Ś	510	\$		Ś	6,243	Ś	6,449
120	10131 4.1		<u> </u>	30,101	<u> </u>	3,002	<u> </u>	2,032		310	<del>-</del>		<u> </u>	0,2.13	<u> </u>	0,1.15
121	346100	Comm Equip Non-Telephone														
122	Recurring Projects		\$	21,307	\$	1,801	\$	1,474	\$	473	\$		\$	3,748	\$	3,872
123	Investment Projects		•	,	•	-	•	-,	*	-	•	2.0	•	-		-
124	Total QIP		\$	21,307	\$	1,801	\$	1,474	\$	473	\$	-	\$	3,748	\$	3,872
125																
126	346190	Remote Control & Instrument														
127	Recurring Projects		\$	776,811	\$	65,652	\$	35,540	\$	11,406	\$	-	\$	112,598	\$	116,309
128	Investment Projects			225,153		19,029		12,053		3,868		-		34,950		36,102
129	Total		\$	1,001,964	\$	84,680	\$	47,593	\$	15,274	\$	-	\$	147,547	\$	152,411
130																
131	347000	Misc Equipment														
132	Recurring Projects		\$	10,740	\$	908	\$	317	\$	68	\$	-	\$	1,292	\$	1,335
133	Investment Projects			2,594		219		376		80		-		676		698
134	Total		\$	13,334	\$	1,127	\$	693	\$	148	\$	-	\$	1,968	\$	2,033
135																
136	Expense:															
137	Chemical Expense for Waste		\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
138	Electric Power Expense for	=		-		-		-				-		-		-
139	Hauling Expense for Waster Total	water nandling:	Ś		Ś		\$		\$		Ś		\$		Ś	
140	IULai		Ş		Ş		Ş		ş		ş		<u>ې</u>	<del></del>	Ş	<del></del>
141 142	Total		Ś	24,303,953	Ś	2,054,037	Ś	736,617	Ś	347,250	Ś		Ś	3,137,904	Ś	3,241,335
142	iotai		3	24,303,333	Ţ	2,034,037	•	/30,01/	7	347,230	· ·		7	3,137,304	Ţ	3,241,335

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

TPUC Docket No.	Effective Date	Rider	Authorized Annual Change	Total Cumulative Rider	Reconciliation Authorized	Individual Authorized Rider Total	Capital Riders Cumulative Total	TCJA Offset	Impact to
12 00120	4/15/2014	OUD	0.700%	0.700%	0.000%	0.7000/			
13-00130	4/15/2014	QIIP EDI	0.790% 0.180%	0.790% 0.180%	0.000%	0.790% 0.180%			
		SEC	0.110%	0.110%	0.000%	0.110%			
		Total	1.080%	0.11070	0.000%	0.11070	1.080%	0.00%	1.080%
14-00121	6/30/2015	QIIP	1.340%	2.130%	0.000%	2.130%			
		EDI	-0.130%	0.050%	0.000%	0.050%			
		SEC	3.430%	3.540%	0.000%	3.540%			
		Total	4.640%		0.000%		5.720%	0.00%	5.720%
15-00029*	11/1/2015	QIIP	0.000%	2.130%	0.254%	2.384%			
		EDI	0.000%	0.050%	-0.150%	-0.100%			
		SEC	0.000%	3.540%	0.064%	3.604%			
		Total	0.000%	5.720%	0.168%		5.888%	0.00%	5.888%
15-00111	3/15/2016	QIIP	2.430%	4.560%	0.000%	4.560%			
		EDI	0.050%	0.100%	0.000%	0.100%			
		SEC	2.180%	5.720%	0.000%	5.720%			
		Total	4.660%		0.000%		10.380%	0.00%	10.380%
16-00022*	10/11/2016	QIIP	0.000%	4.560%	1.166%	5.726%			
		EDI	0.000%	0.100%	-0.178%	-0.078%			
		SEC	0.000%	5.720%	-0.118%	5.602%			
		Total	0.000%		0.870%		11.250%	0.00%	11.250%
16-00126	3/14/2017	QIIP	2.960%	7.520%	0.000%	7.520%			
		EDI	0.240%	0.340%	0.000%	0.340%			
		SEC	0.370%	6.090%	0.000%	6.090%			
		Total	3.570%		0.000%		13.950%	0.00%	13.950%
17-00020*	8/16/2017	QIIP	0.000%	7.520%	1.763%	9.283%			
		EDI	0.000%	0.340%	-0.031%	0.309%			
		SEC	0.000%	6.090%	-0.826%	5.264%			
		Total	0.000%		0.906%		14.856%	0.00%	14.856%
17-00124	4/10/2018	QIIP	2.530%	10.050%	0.000%	10.050%			
		EDI	0.070%	0.410%	0.000%	0.410%			
		SEC	-0.120%	5.970%	0.000%	5.970%			
		Total	2.480%		0.000%		16.430%	0.00%	16.430%
18-00022*	Pending	QIIP	0.000%	10.050%	1.552%	11.602%			
		EDI	0.000%	0.410%	-0.081%	0.329%			
		SEC	0.000%	5.970%	-0.623%	5.347%			
		Total	0.000%		0.848%		17.278%	0.00%	17.278%
Proposed	1/1/2019	QIIP	1.600%	11.650%	0.000%	11.650%			
		EDI	0.240%	0.650%	0.000%	0.650%			
		SEC	0.910%	6.880%	0.000%	6.880%			
		Total	2.750%		0.000%		19.180%	-2.75%	16.430%

 $<sup>\</sup>boldsymbol{\ast}$  Reconciliations are only effective until December 31 of the year authorized by the TPUC.

### **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	11.65% (I)
EDI	0.65% (I)
SEC	6.88% (I)
Subtotal of all Capital Recovery Riders	19.18% (I)
QIIP Annual Reconciliation Percentage	0.000%
EDI Annual Reconciliation Percentage	0.000%
SEC Annual Reconciliation Percentage	0.000%
Subtotal of all Capital Recovery Riders	0.000%
Total of Capital Recovery Riders and Reconciliation Percentages	19.18% (I)
Offset to Capital Recovery Riders for TCJA savings	-2.75% (N)
	` ,
PCOP	-1.10%

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

ISSUED:	May 31, 2019	EFFECTIVE:	January 1, 2019	
BY:				
	Darlene L. Williams	109 Wiehl Street		
	PRESIDENT		Chattanooga, Tennessee 37403	