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December 2, 2010

Via Hand-Delivery

Chairman Mary W. Freeman c/o Sharla Dillon Tennessee Regulatory Authority 460 James Robertson Parkway Nashville, Tennessee 37243

Re:

Petition Of Tennessee American Water Company To Change And Increase Certain Rates And Charges So As To Permit It To Earn A Fair And Adequate Rate Of Return On Its Property Used And Useful In Furnishing Water Service

To Its Customers
Docket No. 10-00189

Dear Chairman Freeman:

Enclosed please find the original and five (5) copies of Tennessee American Water Company's First Supplemental Responses to the Chattanooga Regional Manufacturers Association's First Set of Data Requests to Tennessee American Water Company, Questions 25 through 34. In addition, these responses are being filed today by way of email to the Tennessee Regulatory Authority Docket Manager, Sharla Dillon.

Please file the original and four copies of this material and stamp the additional copy as "filed". Then please return the stamped copies to me by way of our courier.

Should you have any questions concerning this matter, please do not hesitate to contact me at the email address or telephone number listed above.

With kindest regards, I remain

Very truly yours,

12.17 humes

R. Dale Grimes

RDG:smb Enclosures Chairman Mary Freeman December 2, 2010 Page 2

cc: Hon. Sara Kyle (w/o enclosure)

Hon. Eddie Roberson (w/o enclosure)

Mr. David Foster, Chief of Utilities Division (w/o enclosure)

Richard Collier, Esq. (w/o enclosure)

Mr. Jerry Kettles, Chief of Economic Analysis & Policy Division (w/o enclosure)

Ryan McGehee, Esq. (w/enclosure)

Mary L. White, Esq. (w/enclosure)

David C. Higney, Esq. (w/enclosure)

Henry M. Walker, Esq. (w/enclosure)

Michael A. McMahan, Esq. (w/enclosure)

Valerie L. Malueg, Esq. (w/enclosure)

Frederick L. Hitchcock, Esq. (w/enclosure)

Harold L. North, Jr., Esq. (w/enclosure)

Mark Brooks, Esq. (w/enclosure)

Scott H. Strauss, Esq. (w/enclosure)

Katharine M. Mapes, Esq. (w/enclosure)

Donald L. Scholes, Esq. (w/enclosure)

BEFORE THE TENNESSEE REGULATORY AUTHORITY NASHVILLE, TENNESSEE

DESCRIPTION OF PERMININGUES AND DECAM	
PETITION OF TENNESSEE AMERICAN WATER COMPANY TO CHANGE AND INCREASE CERTAIN RATES AND CHARGES SO AS TO PERMIT IT TO EARN A FAIR AND ADEQUATE RATE OF RETURN ON ITS PROPERTY USED AND USEFUL IN FURNISHING WATER SERVICE TO ITS CUSTOMERS	Docket No. 10-00189

TENNESSEE AMERICAN WATER COMPANY'S FIRST SUPPLEMENTAL RESPONSES TO THE CHATTANOOGA REGIONAL MANUFACTURERS ASSOCIATION'S FIRST SET OF DATA REQUESTS TO TENNESSEE AMERICAN WATER COMPANY

The Tennessee American Water Company ("TAWC") hereby responds as follows to the remaining requests contained in the Chattanooga Regional Manufacturers Association's ("CRMA") First Set of Data Requests to TAWC:

GENERAL OBJECTIONS

- (1) TAWC objects to all requests that seek information protected by the attorneyclient privilege, the work product doctrine and/or any other applicable privilege or restriction on disclosure.
- (2) TAWC objects to the definitions and instructions accompanying the requests to the extent the definitions and instructions contradict, are inconsistent with, or impose any obligations beyond those required by applicable provisions of the Tennessee Rules of Civil Procedure or the rules, regulations or orders of the Tennessee Regulatory Authority.
- (3) TAWC objects to the definitions of the words "Tennessee-American," "Company," "TAWC," "you," "your," "person," "document," "referring or relating to," "and,"

"or," "affiliate," "identify," "identifying," and "identification," that accompany the data requests because such definitions are overbroad and unduly burdensome.

- (4) The specific responses set forth below are based upon information now available to TAWC, and TAWC reserves the right at any time to revise, correct, add to or clarify the objections or responses and supplement the information and/or documents produced.
- (5) TAWC is providing its responses herein without wavier of, or prejudice to, its right at any later time to raise objections to: (a) the competence, relevance, materiality, privilege, or admissibility of the response, or the subject matter thereof; and (b) the use of any response, or subject matter thereof, in any subsequent proceedings.
- (6) TAWC objects to each request to the extent that it is unreasonably cumulative or duplicative, or seeks information obtainable from some other source that is more convenient, less burdensome or less expensive.
- (7) TAWC objects to each request to the extent it seeks information outside TAWC's custody or control.
- (8) TAWC objects to requests that call upon TAWC to create, categorize, manipulate, customize or otherwise organize data regarding time periods outside of TAWC's historical test year. TAWC objects to all such requests because they are unduly burdensome, seek to have TAWC create work product and seek information that is not relevant to this rate case.
- (9) TAWC's specific objections to each request are in addition to the General Objections set forth in this section. These General Objections form a part of each discovery response, and they are set forth here to avoid the duplication and repetition of restating them for each discovery response. The absence of a reference to a General Objection in response to a particular request does not constitute a waiver of any General Objection with respect to that

discovery request. All responses are made subject to and without waiver of TAWC's general and specific objections.

Respectfully submitted,

R. Dale Grimes (#006332)

E. Steele Clayton (#017298)

C. David Killion (#026412)

BASS, BERRY & SIMS PLC

150 Third Ave. South, Suite 2800

Nashville, TN 37201

(615) 742-6200

Counsel for Petitioner Tennessee American Water Company

Responsible Witness: James H. Vander Weide/Dr. Edward L. Spitznagel Jr.

Question:

25. Please identify and produce a copy of all articles, journals, books or speeches written by or co-written in the past ten (10) years by any expert witness(es) or other witness(es) of the Company, whether published or not, relative to any issue raised in this proceeding.

Response:

The Company objects to this request on the grounds that the requested information is unduly burdensome and overly broad. Without waiving these objections, the Publications written by the expert witnesses were identified in their testimony provided in the original filing of this rate case.

Responsible Witness: James H. Vander Weide/Michael A. Miller

Question:

26. Please provide complete copies of any and all workpapers supporting or contradicting Tennessee-American witnesses relative to the Company's Cost of Capital and rate of return testimony in this proceeding.

Response:

The Company objects to this request on the grounds that the request is vague and ambiguous. The Company further objects to this request to the extent it seeks the mental impressions of counsel. Subject to, and without waiving the foregoing, the Company is unaware of any "working papers" contrary to the Company's position and has previously produced workpapers in support of its witnesses' testimony in response to TRA-01-Q013.

Responsible Witness: Michael A. Miller

Question:

27. Please provide in tabular format the authorized rates of return in orders from around the country (if any), known to, presented by, reviewed by or referred to by any Company witness or employee relative to any AWW or TAWC affiliated entity, that supports or contradicts TAWC's opinion that an 11.5% return on common equity is fair, just, reasonable, or representative of current investor expectations for a water utility. Please include, but do not limit your response to the jurisdiction, docket number, authorized return, number of customers served and dates of the order(s) surveyed by any witness for Tennessee-American or its affiliate(s), the date the return rate became known to the Company witness, and the bases (if any) why a different return should be awarded to TAWC.

Response:

The Company objects to this question on the grounds that the requested information is overly broad, unduly burdensome, vague and ambiguous. The Company further objects to this request on the grounds that it seeks information that is neither relevant nor reasonably calculated to lead to the discovery of admissible evidence. Without waiving the objections, the calculation of the cost of equity capital is normally based on different methods and variations of the basic DCF, Risk Premium and CAPM methodologies which are based on financial market conditions at points in time and changes in investor expectations can and do occur based on any number of conditions present when such analysis supporting the cost of equity capital are prepared. Based on Mr. Miller's limited review, he is not aware of any AWW employee who has provided testimony or a study that determines, supports or contradicts the 11.5% cost of equity capital used by the Company.

Responsible Witness: Paul Herbert

Question:

28. Please provide an electronic copy of the 2007 Cost of Service Study and the current Cost of Service study prepared by Mr. Herbert for the Tennessee-American Water Company, and a list of trials, court actions, or agency regulatory proceedings (dockets or contested cases) in which Mr. Herbert has participated in the past five (5) years.

Response:

The Excel version of the 2007 Cost of Service Study is included on the enclosed CD and labeled as TN-CMA-01-Q28-ATTACHMENT. The current Cost of Service Study was provided with the testimony of Mr. Paul Herbert in the original filing of this rate case. The electronic version was provided in response to TRA-01-Q013. Included with Mr. Herbert's original testimony filed in this case is a listing of the regulatory proceedings that he has participated in.

TENNESSEE-AMERICAN WATER COMPANY

COMPARISON OF PRO FORMA COST OF SERVICE WITH REVENUES UNDER PRESENT AND PROPOSED RATES FOR THE TWELVE MONTHS ENDED NOVEMBER 30, 2007

ncrease	Percent Increase	<u>(</u>	21.3%	21.5%	21.7%	21.6%	14.9%	21.5%	21.2%	4.7%	20.6%
Proposed Increase	Amount	(8)	\$3,190,566	2,464,930	848,260	561,216	194,851	320,857	7,580,680	64,211	\$7,644,891
evenues sed Rates	Percent of Total	S !	42.0%	32.1%	11.0%	7.3%	3.4%	4.2%	100.0%		
Pro Forma Revenues Under Proposed Rates	Amount	(a)	\$18,185,522	13,925,196	4,762,993	3,164,294	1,505,479	1,810,465	43,353,949	1,433,404	\$44,787,353
evenues int Rates	Percent of Total	(c)	42.0%	32.0%	10.9%	7.2%	3.7%	4.2%	100.0%		
Pro Forma Revenues Under Present Rates	Amount	(†)	414,994,956	11,460,266	3,914,733	2,603,078	1,310,628	1,489,608	35,773,269	1,369,193	\$37,142,462
of Service, - 30, 2007	Percent of Total	(5)	49.5%	27.4%	11.0%	6.7%	4.1%	1.3%	100.0%		
Pro Forma Cost of Service, as of November 30, 2007	Amount	(7)	\$41,441,896	11,892,204	4,771,454	2,925,655	1,759,162	583,545	43,353,916	1,433,404	\$44,787,320
	Customer Classification	(1)	Kesidential	Commercial	Industrial	Other Public Authority	Other Water Utilities	Private Fire Protection	Total Sales of Water	Other Water Revenues	Total

FACTORS FOR ALLOCATING COST OF SERVICE TO CUSTOMER CLASSIFICATIONS, cont.

FACTOR 8. ALLOCATION OF TRANSMISSION AND DISTRIBUTION OPERATIONS AND SUPERVISION EXPENSES.

Factors are based on the allocation of transmission and distribution operation labor, as follows:

	Transmission	
	& Distribution	
Customer	Operating	Allocation
Classification	Labor	Factor
(1)	(2)	(3)
Residential	\$267,408	0.5856
Commercial	112,526	0.2464
Industrial	30,972	0.0678
Other Public Authority	24,541	0.0537
Other Water Utilities	12,591	0.0276
Private Fire Protection	2,934	0.0064
Public Fire Protection	5,692	0.0125
Total	<u>\$456,664</u>	1.0000

FACTOR 9. ALLOCATION OF TRANSMISSION AND DISTRIBUTION MAINTENANCE SUPERVISION EXPENSES.

Factors are based on the allocation of transmission and distribution maintenance labor, as follows:

	Transmission & Distribution	
Customer	Maintenance	Allocation
Classification	Labor	Factor
(1)	(2)	(3)
Residential	\$573,811	0.4835
Commercial	303,819	0.2559
Industrial	74,100	0.0624
Other Public Authority	73,859	0.0622
Other Water Utilities	11,644	0.0098
Private Fire Protection	34,825	0.0293
Public Fire Protection	115,023	0.0969
Total	<u>\$1,187,081</u>	1.0000

FACTORS FOR ALLOCATING COST OF SERVICE TO CUSTOMER CLASSIFICATIONS, cont.

FACTOR 14. ALLOCATION OF ADMINISTRATIVE AND GENERAL EXPENSE.

Factors are based on the allocation of operation and maintenance expenses excluding power and chemicals, as follows:

	Operation and	
Customer	Maintenance	Allocation
Classification	Expenses	Factor
(1)	(2)	(3)
Residential	\$3,460,331	0.5536
Commercial	1,471,238	0.2353
Industrial	531,433	0.0850
Other Public Authority	336,402	0.0538
Other Water Utilities	210,877	0.0337
Private Fire Protection	69,265	0.0111
Public Fire Protection	171,743	0.0275
Total	\$6,251,289	1.0000

FACTOR 15. ALLOCATION OF LABOR RELATED TAXES AND BENEFITS.

Factors are based on the allocation of operation and maintenance labor expense, as follows:

Customer	Labor	Allocation
Classification	Expense	Factor
(1)	(2)	(3)
Residential	\$2,572,172	0.5084
Commercial	1,254,197	0.2479
Industrial	483,926	0.0957
Other Public Authority	298,287	0.0590
Other Water Utilities	193,833	0.0383
Private Fire Protection	67,503	0.0133
Public Fire Protection	189,069	0.0374
Total	\$5,058,987	1.0000

FACTORS FOR ALLOCATING COST OF SERVICE TO CUSTOMER CLASSIFICATIONS, cont.

FACTOR 16. ALLOCATION OF INTANGIBLE PLANT AND OTHER RATE BASE ELEMENTS.

Factors are based on the allocation of utility plant in service less depreciation, follows:

	Utility Plant in	
	Serivce Less	
Customer	Depreciation	Allocation
Classification	Reserve	Factor
(1)	(2)	(3)
Residential	\$60,835,533	0.4330
Commercial	39,602,472	0.2819
Industrial	13,619,915	0.0969
Other Public Authority	10,069,415	0.0717
Other Water Utilities	4,193,835	0.0299
Private Fire Protection	2,633,077	0.0187
Public Fire Protection	9,535,601	0.0679
Total	<u>\$140,489,848</u>	1.0000

FACTOR 17. ALLOCATION OF INCOME TAXES AND INCOME AVAILABLE FOR RETURN.

Factors are based on the allocation of original cost rate base, as shown on the following pages and summarized below.

Customer	Original Cost	Allocation
Classification	Rate Base	Factor
(1)	(2)	(3)
Residential	\$51,809,866	0.4323
Commercial	33,264,513	0.2775
Industrial	12,652,428	0.1055
Other Public Authority	8,432,373	0.0703
Other Water Utilities	4,499,138	0.0375
Private Fire Protection	1,993,231	0.0166
Public Fire Protection	7,229,973	0.0603
Total	\$119,881,522	1.0000

FACTORS FOR ALLOCATING COST OF SERVICE TO CUSTOMER CLASSIFICATIONS, cont.

FACTOR 18. ALLOCATION OF OTHER REVENUES.

Factors are based on the allocation of total cost of service.

Customer	Total Cost	Allocation
Classification	of Service	Factor
(1)	(2)	(3)
Residential	\$19,806,887	0.4703
Commercial	10,995,497	0.2612
Industrial	4,411,673	0.1048
Other Public Authority	2,705,002	0.0643
Other Water Utilities	1,708,301	0.0406
Private Fire Protection	566,633	0.0135
Public Fire Protection	1,907,172	0.0453
Total	<u>\$42,101,165</u>	1.0000

FACTORS FOR ALLOCATING COST OF SERVICE TO CUSTOMER CLASSIFICATIONS, cont.

FACTOR 10. ALLOCATION OF COSTS ASSOCIATED WITH METERS.

Factors are based on the relative cost of meters by size as developed on the following page and summarized below:

Customer Classification (1)	Meter <u>Equivalents</u> (2)	Allocation <u>Factor</u> (3)
Residential	66,462	0.7125
Commercial	21,179	0.2271
Industrial	1,578	0.0169
Other Public Authority	3,971	0.0426
Other Water Utilities	83	0.0009
Subtotal	<u>93,273</u>	1.0000

FACTORS FOR ALLOCATING COST OF SERVICE TO CUSTOMER CLASSIFICATIONS, cont.

FACTOR 11. ALLOCATION OF COSTS ASSOCIATED WITH SERVICES.

Factors are based on the relative cost of services by size as developed on the following page and summarized below:

Customer Classification (1)	Service <u>Equivalents</u> (2)	Allocation <u>Factor</u> (3)
Residential Commercial Industrial Other Public Authority Other Water Utilities Private Fire Protection	65,870 10,722 309 1,156 11 5,923	0.7841 0.1277 0.0038 0.0138 0.0001 0.0705
Subtotal	<u>83,991</u>	1.0000

FACTORS FOR ALLOCATING COST OF SERVICE TO CUSTOMER CLASSIFICATIONS, cont.

FACTOR 12. ALLOCATION OF CUSTOMER ACCOUNTING COSTS.

Factors are based on the number of bills by classification, as follows:

Customer Classification	Number of Bills	Allocation Factor
(1)	(2)	(3)
Residential	789,452	0.8635
Commercial	109,244	0.1195
Industrial	1,939	0.0021
Other Public Authority	8,830	0.0097
Other Water Utilities	43	0.0000
Private Fire Protection	4,760	0.0052
Public Fire Protection	0	0.0000
		•
Total	914,268	1.0000

FACTOR 13. ALLOCATION OF METER READING COSTS.

Factors are based on the number of meter readings by classification, as follows:

	Number of	
Customer	Meter	Allocation
Classification	Readings	Factor
(1)	(2)	(3)
Residential	789,452	0.8681
Commercial	109,244	0.1201
Industrial	1,939	0.0021
Other Public Authority	8,830	0.0097
Other Water Utilities	43	0.0000
Total	909,508	1.0000

FACTORS FOR ALLOCATING COST OF SERVICE TO CUSTOMER CLASSIFICATIONS

FACTOR 1. ALLOCATION OF COSTS WHICH VARY WITH THE AMOUNT OF WATER CONSUMED.

Factors are based on the pro forma test year average daily consumption for each customer classification.

	Average Daily	
Customer	Consumption,	Allocation
Classification	_100 Cu. Ft	Factor
(1)	(2)	(3)
Residential	12,206	0.3081
Commercial	11,357	0.2867
Industrial	8,616	0.2174
Other Public Authority	3,057	0.0771
Other Water Utilities	4,119	0.1039
Private Fire Protection	92	0.0023
Public Fire Protection	178	0.0045
Total	39,625	1.0000

FACTOR 2. ALLOCATION OF COSTS ASSOCIATED WITH FACILITIES SERVING BASE AN MAXIMUM DAY EXTRA CAPACITY FUNCTIONS.

Factors are based on the weighting of the factors for average daily consumption (Factor 1) and the factors derived from maximum day extra capacity demand for each custome classification, as follows:

	Averag Consur	•	Maximuı Extra Ca	•	
Customer	Allocation	Weighted	Allocation	Weighted	Allocation
Classification	Factor 1	Factor	Factor	Factor	Factor
(1)	(2)	(3)=(2)x	(4)	(5)=(4)x	(6)=(3)+(5)
		0.6897		0.3103	
Residential	0.3081	0.2125	0.382	0.1186	0.3311
Commercial	0.2867	0.1977	0.3198	0.0992	0.2969
Industrial	0.2174	0.1499	0.1348	0.0418	0.1917
Other Public Authority	0.0771	0.0532	0.0861	0.0267	0.0799
Other Water Utilities	0.1039	0.0717	0.0773	0.024	0.0957
Private Fire Protectio	0.0023	0.0016			0.0016
Public Fire Protection	0.0045	0.0031			0.0031
Total	1.0000	0.6897	1.0000	0.3103	1.0000

FACTORS FOR ALLOCATING COST OF SERVICE TO CUSTOMER CLASSIFICATIONS, cont.

FACTOR 2. ALLOCATION OF COSTS ASSOCIATED WITH FACILITIES SERVING BASE AND MAXIMUM DAY EXTRA CAPACITY FUNCTIONS, cont.

		Maximur Extra Ca	<u> </u>	
	Average Daily		Rate of Flow,	
Customer	Consumption,		100 Cu. Ft.	Allocation
Classification	100 Cu. Ft.	Factor*	Per Day	Factor
(1)	(2)	(3)	$(4)=(2)\times(3)$	(5)
Residential	12,206	1.0	12,206	0.3820
Commercial	11,357	0.9	10,221	0.3198
Industrial	8,616	0.5	4,308	0.1348
Other Public Authority	3,057	0.9	2,751	0.0861
Other Water Utilities	4,119	0.6	2,471	0.0773
Subtotal	39,355		31,958	1.0000

The weighting of the factors is based on the maximum day ratio of 1.45, based on a review of maximum day ratios experienced during the period 1995 through 2007.

	Maximum Day Ratio	Weight
Average Day Maximum Day	1.00	0.6897
Extra Capacity	0.45	0.3103
Total	<u>1.45</u>	1.0000

^{*} Ratio of maximum day to average day minus 1.0.

FACTORS FOR ALLOCATING COST OF SERVICE TO CUSTOMER CLASSIFICATIONS, cont.

BASIS FOR ALLOCATION OF DEMAND-RELATED COSTS OF FIRE SERVICE TO PRIVATE AND PUBLIC FIRE PROTECTION

Description (1)	Restrictive Diameter(s) Squared (2)	Number of Units (3)	Relative Demand (4)=(2)X(3)	Allocation Factor (5)
<u>Private Fire Protection</u> 1 -Inch Fire Line	1	0	0	
1.5 -Inch Fire Line	2.25	1	2	
2 -Inch Fire Line	4	13	52	
2.5 -Inch Fire Line	6.25	1	6	
3 -Inch Fire Line	9	2	18	
4 -Inch Fire Line	16	83	1,328	
6 -Inch Fire Line	36	757	27,252	
8 -Inch Fire Line	64	299	19,136	
10 -Inch Fire Line	100	15	1,500	
12 -Inch Fire Line	144	19	2,736	
Total Private Fire Protection		1,190_	52,031	0.3399
Public Fire Protection				
4-1/2 inch, 3 way	20.25	4,989	101,027	
Total Public Fire Protection		4,989	101,027	0.6601
Total Fire Protection Service		6,179	153,058	1.0000

FACTORS FOR ALLOCATING COST OF SERVICE TO CUSTOMER CLASSIFICATIONS, cont.

FACTOR 4. ALLOCATION OF COSTS ASSOCIATED WITH FACILITIES SERVING BASE, MAXIMUM HOUR AND FIRE SERVICE FUNCTIONS.

			um Hour Capacity	
Customer	Average Hour Consumption,		Rate of Flow, 100 Cu. Ft.	Allocation
Classification (1)	100 Cu. Ft. (2)	Factor* (3)	Per Hour (4)=(2)x(3)	Factor (5)
Residential	509	3.0	1,526	0.4438
Commercial	473	2.8	1,325	0.3854
Industrial	136	1.7	231	0.0670
Other Public Authority	127	2.8	357	0.1038
Other Water Utilities	0	1.7	0	0.0000
Total	1,245		3,438	1.0000

The weighting of the factors is based on the maximum hour ratio of 1.90 and the system demand for fire protection, as follows:

	Maximum Hour Ratio	System Delivery, GPM	Weight
Average Hour Maximum Hour Extra Capacity Subtotal	1.0 0.9 1.9	27,985 25,187 53,172	0.4938 0.4444 0.9382
Fire Protection		3,500	0.0618
Total		56,672	1.0000

^{*} Ratio of maximum hour to average day minus 1.0.

FACTORS FOR ALLOCATING COST OF SERVICE TO CUSTOMER CLASSIFICATIONS, cont.

FACTOR 5. ALLOCATION OF COSTS ASSOCIATED WITH STORAGE FACILITIES.

		*	ım Hour Sapacity	
	Average Hour		Rate of Flow,	
Customer	Consumption,		100 Cu. Ft.	Allocation
Classification	100 Cu. Ft.	Factor*	Per Hour	Factor
(1)	(2)	(3)	(4)=(2)x(3)	(5)
Residential	509	3.0	1,526	0.3713
Commercial	473	2.8	1,325	0.3224
Industrial	359	1.7	610	0.1485
Other Public Authority	127	2.8	357	0.0868
Other Water Utilities	172	1.7	292	0.0710
Total	1,640		4,110	1.0000

^{*} Ratio of maximum hour to average day minus 1.0.

FACTORS FOR ALLOCATING COST OF SERVICE TO CUSTOMER CLASSIFICATIONS, cont.

FACTOR 5. ALLOCATION OF COSTS ASSOCIATED WITH STORAGE FACILITIES.

The weighting of the factors is based on the ratio of the capacity required for a 6-hour demand of fire flow, as related to total storage capacity.

Fire Protection Weight =
$$3500 \text{ GPM } \times 60 \text{ min. } \times 6 \text{ Hours} = 0.0552$$

$$22,806,000 \text{ Gallons Storage} = 0.0552$$
General Service Weight 1 - 0.0552 = 0.9448

The weighting of the average hourly consumption and maximum hour extra demand for general service is based on the maximum hour ratio, as follows.

	Maximum Hour Ratio	Percent	Weight
Average Hour	1.0	52.63	0.4973
Extra Capacity Maximum Hour	0.9	47.37	0.4475
Total	1.9	100.00	0.9448

FACTORS FOR ALLOCATING COST OF SERVICE TO CUSTOMER CLASSIFICATIONS, cont.

FACTOR 7. ALLOCATION OF COSTS ASSOCIATED WITH TRANSMISSION AND DISTRIBUTION MAINS.

Factors are based on the weighting of the factors for maximum day extra capacity and fire demand (Factor 3) and maximum hour extra capacity and fire demand (Factor 4) for each customer classification, as follows:

	Maxim	um Day	Maxir	num Hour	
	Extra Capa	city and Fire	Extra Cap	pacity and Fire	
Customer	Allocation	Weighted	Allocation	Weighted	Allocation
Classification	Factor 3	Factor	Factor 4	Factor	Factor
(1)	(2)	(3)=(2)x	(4)	(5)=(4)x	(6)=(3)+(5)
		0.1751		0.8249	
Residential	0.3238	0.0566	0.3972	0.3277	0.3843
Commercial	0.2908	0.0510	0.3573	0.2947	0.3457
Industrial	0.1878	0.0329	0.0831	0.0685	0.1014
Other Public Authority	0.0783	0.0137	0.0962	0.0794	0.0931
Other Water Utilities	0.0936	0.0164	-	-	0.0164
Private Fire Protection	0.0088	0.0015	0.0225	0.0186	0.0201
Public Fire Protection	0.0169	0.0030	0.0437	0.0360	0.0390
Total	1.0000	0.1751	1.0000	0.8249	1.0000

The weighting of the factors is based on the footage of transmission and distribution mains as set forth below:

	Footage ofMains	Weight
Transmission Mains	1,180,594	0.1751
Distribution Mains	5,563,554	0.8249
Total	6,744,148	1.0000

FACTORS FOR ALLOCATING COST OF SERVICE TO CUSTOMER CLASSIFICATIONS

FACTOR 19. ALLOCATION OF COSTS WHICH VARY WITH THE AMOUNT OF WATER CONSUMED IN THE LOOKOUT MOUNTAIN SERVICE AREA.

Factors are based on the pro forma test year average daily consumption for each customer classification.

	Average Daily	
Customer	Consumption,	Allocation
Classification	100 Cu. Ft.	Factor
(1)	(2)	(3)
Residential	749	0.7892
Commercial	165	0.1739
Other Public Authority	35	0.0369
Total	949	1.0000

FACTOR 20. ALLOCATION OF COSTS WHICH VARY WITH THE AMOUNT OF WATER CONSUMED IN THE LAKEVIEW SERVICE AREA.

Factors are based on the pro forma test year average daily consumption for each customer classification.

	Average Daily	
Customer	Consumption,	Allocation
Classification	100 Cu. Ft.	Factor
(1)	(2)	(3)
Residential	509	0.8555
Commercial	73	0.1227
Other Public Authority	13	0.0218
Total	595	1.0000

FACTOR 21. ALLOCATION OF COSTS ASSOCIATED WITH FIRE HYDRANTS.

These costs are assigned directly to the public fire protection classification.

Customer	Allocation
Classification	Factor
(1)	(3)
Public Fire Protection	1.0000

Public Fire Protection (11)	\$0 0 234 455 689	21,911 7,316 0 0 0 0 0	29,237 4,722 155 0 131 0 0 806 337
Private Fire Protection (10)	\$0 0 120 235 355	11,503 3,739 0 0 0 0	742,7 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Other Water Utilities (9)	\$0 0 5,414 14,045	118,595 118,595 168,914 0 0 190 0	287,708 0 109,019 4,776 4,058 0 18,607 10,415 5,970
Other Public Authority (8)	\$0 0 4,018 11,726	0 109,694 125,344 9,748 1,990 141 0	246,925 0 34 80,899 3,987 0 3,388 0 13,808 8,695 4,984
Industrial (7)	\$0 0 11,329 28,134 39,463	246,913 246,913 353,435 0 397 0 0	600,764 0 81 228,112 9,566 9,566 0 8,128 0 0 38,934 20,863
Commercial (6)	\$0 0 14,940 43,574 58,514	0 407,140 466,098 45,939 11,203 523 523 0	930,934 930,934 125 300,826 14,816 0 12,589 51,345 32,311 18,521
Residential (5)	\$0 0 16,055 48,593 64,648	0 453,703 0 500,890 208,485 78,109 563 0 0	1,241,784 0 138 323,281 16,521 14,040 0 55,176 36,034 20,655
Cost of Service (4)	0 0 52,110 146,762 198,872	0 1,369,459 0 1,625,736 264,172 91,302 1,826 1,826	3,352,599 1,049,272 49,901 0 42,402 0 179,088 108,829 62,381
Factor Ref. (3)	44 H	0 0 0 7 7 0 0 0 ° ° ° ° ° ° ° ° ° ° ° °	00-00000-00
Account Number (1) (2) OPERATION AND MAINTENANCE EXPENSES	Source of Supply ——Operation—— Operating Labor Operating Expense Purchased Water ——Maintenance—— OR MN SS STRUCT & IMP MAT Subtotal Source of Supply	Power and Pumping Expenses ——Operation—— Gen Sup & Eng Lab Oper PU Labor Oper PU Pump Oper Sup and Eng Elec Purch Power PU Purch Power PU - Lookout Mtn. Tariff Purch Power PU - Lakeview Tariff Fuel For Power Production Misc Pumping Exp. Current SS & PUMP Transportation Misc. Pumping Exp. Electric	Water Treatment Expenses ——Operation—— Wit Operation—— Wit Operation Superv & Eng General Wit Labor General Chemicals Misc Wit Expenses-Current WIT Contract Services Other Wit Oper Contract Services Wit Rents Wit Oper Transportation Waste Disposal Exp (Cur) General Wit Expenses Misc Wit Expenses
Account Number (1)	601.1 601.1 610.1 620.2	601.1 601.1 601.1 615.1 615.2 615.3 616.1 650.2 675.1	601.3 601.3 618.3 620.3 631.3 635.3 650.3 675.3 675.3

Public Fire	Protection (11)	773	42		o 0	6,812			1,478	5,692	0	o	124	758	4,159	4	0	64	0	1,166		6,583	27,400	0	0	87,623	0	12,311	208	521	0	0	0	148,091
Private Fire	Protection (10)	200	13		0	3,490			757	2,934	0	0	64	390	2,144	2	0	33	0	597		1,990	14,121	20,704	0	0	0	6,345	63	158	0	0	0	50,302
Other Water	Ottilities (9)	13 667	748		0	167,300			3,263	12,313	278	0	269	319	1,749	ω.	0	27	က	2,575		999	11,522	29	93	0	0	5,177	21	53	0	∞	181	38,554
Other Public	Authority (8)	11 411	625	<u> </u>	0	127,831			6,350	11,369	13,172	0	249	1,808	9,929	16	<u>-</u>	153	142	5,011		4,226	65,408	4,053	4,398	0	0	29,388	133	335	0	371	8,558	165,070
1	Industrial (7)	27.377	1.499	0	0	346,518			8,017	25,746	5,226	0	563	1,970	10,814	20	_	167	56	6,326		4,239	71,239	1,116	1,745	0	0	32,007	134	336	0	147	3,395	173,264
	(6)	42 401	2,322	0	0	475,256			29,135	42,305	70,221	0	925	6,715	36,868	74	က	568	758	22,991		17,384	242,873	37,503	23,443	0	0	109,122	548	1,377	0	1,979	45,620	690,412
- - - - - - - - - - - - - - - - - - -	(5)	47 285	2,589	0	0	515,719			69,242	47,098	220,310	0	1,029	7,464	40,985	176	9	631	2,380	54,640		32,846	269,990	230,272	73,549	0	0	121,306	1,035	2,599	0	6,210	143,127	1,324,895
Cost	or Service (4)	142 813	7,820	0	0	1,642,926			118,242	147,457	309,207	0	3,223	19,424	106,648	300	77	1,643	3,339	93,306		67,934	702,553	293,677	103,228	87,623	0	315,656	2,142	5,379	0	8,715	200,881	2,590,587
Factor	(3)	^	7	7	2				∞	5	9	7	5	7	7	∞	œ	7	9	80		თ	7	7	9	21	တ	7	တ	တ	တ	9	9	
Constitution of the consti		Or Mn Wt Struct & Imp Mat	Other Wt Maint Contract Services	Misc. Expense Maint. WT	Wt Maint Transportation	Subtotal Water Treatment	Transmission & Distribution Expenses	Operation	T&D Operation Super & Eng	Storage Facilities Labor	Misc Meter Labor	Maps and Records Labor	Storage Facilities Expense	Misc T & D Expenses-Current	Other T & D Oper Contract Services	T&D Rents	Td Oper Transportation	T&D Lines Expense	Misc Meter Expenses	Misc T&D Expenses-Current	Maintenance	Or Mn T&D Supr & Eng	Or Mn T&D Mains Lab	Or Mn Services Lab	Or Mn Meters Lab	Or Mn Hydrants Lab	Or Mn Other T&D Plant Lab	Or Mn T&D Struct & Imp-Mat	Other T & D Maint Contract Services	Td Maint Transportation	Maps And Records Expenses	Or Mn Meters Mat	Or Mn Other T&D Plant Mat	Subtotal Transmission & Distribution
Account	(1)	620.4	635.4	675.4	6504				601.5	601.5	601.5	601.5	615.5	620.5	635.5	641.5	650.5	675.5	675.5	675.5		601.6	601.6	601.6	601.6	601.6	601.6	620.6	635.6	650.6	675.6	675.6	675.6	

Public Fire Protection	(11)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	C	0	0			38,381	113,799	3,523	0	1,944	1,922	385	0	95,416	6,652	132	0	0	457	669	13,194	9,901	5,464	2.128	1,592	24,615
Private Fire Protection	(10)		0	_	0	0	7	0	0	12	0	2,764	0	118	1,319	. 09	1.732	551	တ္	6,559		;	15,492	40,469	1,253	0	785	776	197	3,131	38,513	2,366	53	0	0	-185	282	5,325	3,996	1,943	859	643	7,336
Other Water Utilities	(6)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		į	42,034	116,538	3,608	0	2,382	2,355	8,889	0	116,927	6,812	162	0	0	-560	857	16,168	12,133	5,595	2,607	1 951	22,061
Other Public Authority	(8)		4,495	2	0	0	20	0	0	22	0	5,156	51	221	2,461	112	3,231	1,027	-18	16,780		1	75,086	179,523	5,558	0	3,803	3,759	6,596	5,840	186,668	10,494	258	0	0	-895	1,367	25,812	19,370	8,619	4,162	3 114	34,940
Industrial	(7)		973	0	0	0	4	0	0	വ	0	1,116	11	48	533	24	669	222	4	3,631		0	118,631	291,192	9,016	0	6,008	5,939	18,598	1,264	294,921	17,022	408	0	0	-1,413	2,160	40,781	30,603	13,981	6,576	4 920	56,947
Commercial	(9)		55,649	21	0	0	248	0	0	269	0	63,525	631	2,719	30,313	1,382	39,803	12,652	-216	206,996			328,398	754,299	23,354	0	16,632	16,442	24,527	71,952	816,410	44,094	1,128	0	0	-3,913	5,981	112,891	84,717	36,216	18,204	13.620	141,932
Residential	(5)		402,237	154	0	0	1,789	0	0	1,939	0	459,029	4,558	19,644	219,036	6,983	287,615	91,423	-1,563	1,495,844		000	772,633	1,546,936	47,894	0	39,129	38,682	26,357	519,925	1,920,802	90,432	2,655	0	0	-9,205	14,071	265,604	199,316	74,274	42,828	32.045	255,553
Cost of Service	(4)		463,354	178	0	0	2,072	0	0	2,247	0	531,590	5,251	22,750	253,662	11,561	333,080	105,875	-1,810	1,729,811			1,395,655	3,042,756	94,206	0	70,683	69,875	85,549	602,112	3,469,657	177,872	4,796	0	0	-16,628	25,417	479,775	360,036	146,092	77,364	57.885	543,384
Factor Ref.	(9)		13	12	12	12	12	12	12	12	12	12	13	12	12	12	12	12	12	•		į	4 :	ر ت	15	4	4	4	-	12	4	15	4	7	7	4	4	4	14	15	4	14	18
Account Description		Customer Accounting Expenses	Meter Reading Labor	Contracts & Orders Labor	Billing & Acctng Salaries	Employee Benefits Ca	Misc Ca Expenses-Current	Ca Contract Services	Other Ca Contract Services	Ca Rents	Ca Transportation	Uncollectible Accounts	Meter Reading Expenses	Collecting Expenses	Billing & Acctng Computer	Cust Acctg-Billing/Telephone	Cust Acctg-Billing/Postage	Misc Cust Acctng Expenses	Misc Oper Ca Cust Serv	Subtotal Customer Accounting	Administrative and Concerd Event	Administrative and deficial Expenses	Adm & General Salaries	Employee Pensions & Benefits	401K Contributions Expense	Or Mn General Ag Plant	Auditing Services	Legal Services	Management Fees - Water Quality	Management Fees - Cust. Billing/Service	Management Fees - Administration	Management Fees - Empl. Service	Contract Services - Other	Other WT Contract Services	Other WT Contract Services	AG Rents	Adm & General Rents	AG Transportation	General Liability	Workmens Comp Premium Exp	Insurance Other	Advertising Exp	Regulatory Commission Expenses
Account Number	(1)		601.7	601.7	601.7	604.7	620.7	632.7	635.7	642.7	650.7	670.7	675.7	675.7	675.7	675.7	675.7	675.7	675.7			0	901.8	601.8	604.8	6208	632.8	633.8	6348	6348	6348	6348	6358	635.8	635.8	641.8	642.8	650.8	657.8	658.8	659.8	8.099	8.999

ALLOCATION OF COST OF SERVICE TO CUSTOMER CLASSIFICATIONS FOR THE TWELVE MONTHS ENDED NOVEMBER 30, 2007

Account Number	F Account Description	Factor Ref.	Cost of Service	Residential	Commercial	Industrial	Other Public Authority	Other Water Utilities	Private Fire Protection	Public Fire Protection
E	(2)	(3)	(4)	(5)	(9)	<u>(</u>	(8)	(6)	(10)	(11)
675.8	Expenses Of Employees	. 15	39,161	19,909	9,708	3,748	2,310	1,500	521	1.465
675.8	Misc Office Expenses	4	68,161	37,734	16,038	5,794	3,667	2,297	757	1.874
6758	Injuries & Damages Exp	14	0	0	0	0	0		0	C
6758	Research & Dev-Service Co	14	0	0	0	0	0	0) C	o C
6758	Or Mn A&G Struc & Imp Mat	14	0	0	0	0	0	0	0	o C
675.8	Misc. General Expense - Current	4	362,111	200,465	85,205	30,779	19,482	12.203	4.019	9.958
822.8	Miscellaneous General Exp	4	421,971	233,603	99,290	35,868	22,702	14,220	4,684	11,604
657.8	AFUDC Adjustment	4	(463,690)	(256,699)	(109,106)	(39,414)	(24,947)	(15,626)	(5.147)	(12.751)
	Subtotal Administrative and General		11,114,199	6,114,943	2,608,019	954,329	597,288	380,113	128,068	331,440
	Total Operation & Maintenance Expenses	ses	20,628,994	10,757,833	4,970,131	2,117,969	1,169,638	893,134	204,021	516,269

Private Public Fire Fire Protection Protection	,		0	c	o w	200	18 35		638 1,214		0	236 449	1,094 2,083	0		25 48	49 93		0		327 634		0		0		2,220 4,306	0	0	4,041 7,838		0	1,031 1,999		1	
Pri Other Water F Utilities Prote]		0	c	380	3	1,081		6,573	0	0	2,428	11,276	0	0	258	503		0	11,662	19,561	13,276	0		0	183	9,316	0	0	16,955	0	0	4,324	1,075	С	>
Other Public Authority	(8)		0	c	324	7	902		6,080	20	τ-	2,246	10,430	279	20	239	465		0	9,737	16,331	11,084	0		0	1,041	8,602	154	0	15,655	0	391	3,993	868	3.200	, , , ,
Industrial	(2)		0	c	778	-	2,165		13,685	0	0	5,056	23,477	0	0	538	1,046		0	23,360	39,182	26,593	0		0	1,133	19,480	0	0	35,452	0	0	9,042	2,153	2.765	>> 1
Commercial	(9)		0	c	1 205	0	3,353		22,566	95	9	8,337	38,711	1,315	282	887	1,725		0	36,180	60,685	41,187	0		0	3,864	32,009	728	0	58,254	0	2,202	14,858	3,335	11.887	
Residential	(5)		0	c	1.345	0	3,738		25,147	432	42	9,289	43,139	5,969	1,970	286	1,922		0	40,347	67,674	45,932	0		0	4,296	35,634	3,303	0	64,853	0	15,357	16,542	3,719	13.213	
Cost of Service	(4)		0	c	4 060	0	11,292		75,903	547	49	28,041	130,210	7,563	2,302	2,982	5,803		0	121,859	204,394	138,724	0		0	11,178	111,567	4,185	0	203,048	0	17,950	51,789	11,233	33.268))!:())
Factor Ref.	ල		4	c	1 0	1 2	5		9	19	50	9	9	ე	20	ဖ	9		2	7	7	7	7		7	7	S.	19	•		19	20	5	7	4	
Account Description		DEPRECIATION EXPENSE	<u>Intangible</u> Comprehensive Planning Study	Source of Supply	Lakes Rivers & Other Intakes	Other P/E SS	Supply Mains	Pumping Equipment	Pumping Structures	Lookout Mountain Tariff	Lakeview Tariff	Power Generation Equipment -other	Electric Pumping Equipment	Lookout Mountain Tariff	Lakeview Tariff	Diesel Pumping Equipment	Other Pumping Equipment	Water Treatment	Land & Land Rights	Water Treatment Structures	Water Treatment Structures-Painting	Water Treatment Equipment	Granular Activated Carbon	Transmission & Distribution	Land & Land Rights	T & D Structures	T & D Reservoirs & Standpipes	Lookout Mountain Tariff	Lakeview Tariff	T & D Reservoirs & Standpipes-Painting	Lookout Mountain Tariff	Lakeview Tariff	Elevated Tanks & Standpipes	Clearwells	T & D Mains not Classified	201000000000000000000000000000000000000
Account Number	(£)	DEPRECIATION	339600	303 00	306000	339200	309000		304200			310100	311200			311300	311500		303.00	304300	304301	320100	320200		303.00	304400	330000			330003			330100	330400	331001	- >>-

TENNESSEE-AMERICAN WATER COMPANY

Factor Ref.
4 962,123
3 388.755
333,477
10 323,473
10 91,490
0 ;
10 57,562
10 349,187 21 212,447
14 0
3,465
14 2,282
14 0
14 3,222
14 8,445
14 6,750
14 13,216
14 9,042
14 4,183
7,301
14 64,692 14 2,504
14 3,504 14 260
14 755
14 1,288
14 221,057
14 158,398
14 34,028
14 17,176
14 0
14 90,605
2 3,854
14 0
14 16,434
14 3,241
14 69,452
14 251
4,810,741

Public Fire Protection	(11)	(8,147) 2,916	302,390		193,731	190	- 45 - 75 - 75	15,584	3,366	0	0	34,547	261,684		289,476	289,476	615,465	1,985,284	(21,362)	1,963,922	(1,963,922)	\$0
Private Fire Protection	(10)	(4,195)	67,333		53,354	58 5 040	34	4,644	1,003	0	0	10,295	74,438		79,690	79,690	169,431	594,913	(6,366) (5,002)	583,545	0	\$583,545
Other Water Utilities	(6)	3,573	174,338		85,310	195 14.513	26.	13,967	3,016	0	0	30,962	148,060		180,023	180,023	382,752	1,778,307	(19,145)	1,759,162	0	\$1,759,162
Other Public Authority	(8)	(17,934) 5,705	297,240		204,573	300 22 356	150	22,120	4,777	0	0	49,036	303,312		337,483	337,483	717,532	2,825,205	(30,322)	2,785,553	140,102	\$2,925,655
Industrial	(7)	(15,492) 9,013	455,933		276,473	36.262	244	36,053	7,786	0	0	79,922	437,227		506,464	506,464	1,076,808	4,594,401	(49,420)	4,542,961	228,493	\$4,771,454
Commercial	(9)	(66,610) 24,950	1,217,570		804,311	93.934	631	89,858	19,406	0	0	199,196	1,208,598		1,332,168	1,332,168	2,832,362	11,560,829	(123,172) (114,940)	11,322,717	569,487	\$11,892,204
Residential	(2)	(74,049) 58,699	2,215,543		1,235,428	2,388 192.642	1,294	161,793	34,941	0	0	358,658	1,987,344		2,075,302	2,075,302	4,412,361	21,448,383	(830,551)	20,396,056	1,025,840	\$21,421,896
Cost of Service	(4)	(186,427) 106,033	4,730,347		2,853,180	378.917	2,545	344,020	74,295	0	0	762,617	4,420,663		4,800,605	4,800,605	10,206,710	44,787,319	(471,563) (961,841)	43,353,915		43,353,915
Factor Ref.	(3)	4 4	·		9 4	5.	15	18	<u>\$</u>	<u>0</u>	9	8			17		17		2 4			
scription	(2)	<u>TIONS</u> Amort of CIAC Amort of Capital Leases	Total Depreciation & Amortization	TAXES OTHER THAN INCOME TAXES	Property Taxes	FICA Oper AG	SUTA Oper AG	Franchise Taxes	PSC Fee	Franchise Lax - Lookout Mtn	Filing Fee	Gross Receipts Tax	Total Taxes Other Than Income Taxes	XES	Federal and State Income Taxes	Total Income Taxes	UTILITY OPERATING INCOME	Total Cost of Service	Less: Other Fees Billing Services and Misc. Revenues	Total Cost of Service Related to Sales	Allocation of Public Fire	Total
Account	Ē	AMORTIZATIONS 680.51 Am 680.52 Am		TAXES OTH	685.20	685.33	685.35	685.43	685.00		685.00	685.44		INCOME TAXES	409.15		UTILITY OF					

Public Fire Protection (11)	(3,711)	228	727	- 1,598 (23)	42,175 - 2,866 46,828	1,041	56 4,953 830 8,808	21,646 4,612 1,466 140,473
Private Fire Protection (10)	(1,022)		375	825 (12)	22,142 - 1,505 24,585	- 547 1,890	29 2,557 429 4,546	11,156 2,377 756 72,420
Other Water Utilities (9)	(1,634)	7,029	22,449	- 49,318 (704)	228,273 - 15,514 253,457	5,637 19,489	1,723 152,916 25,638 271,923	9,102 1,939 45,245 303,873
Other Public Authority (8)	(3,919)	5,868	18,743	- 41,176 (587)	211,139 144 25 14,349 234,433	8,820 1,093 5,214 18,026	1,439 127,670 21,405 227,029	51,672 11,010 37,775 280,582 3,694
Industrial (7)	(5,296)	14,079	44,968	98,791 (1,409)	475,261 - 32,300 527,693	- 11,735 40,576	3,452 306,312 51,356 544,699	56,279 11,991 90,632 635,404
Commercial (6)	(15,408)	21,806	69,646	- 153,005 (2,183)	783,667 676 141 53,260 870,123	41,565 6,153 19,351 66,907	5,347 474,408 79,539 843,616	191,871 40,881 140,368 1,044,086 17,408
Residential (5)	(23,666)	24,317	77,668	170,630 (2,434)	873,290 3,070 984 59,350	21,564 74,558	5,963 529,055 88,701 940,793	213,295 45,446 156,537 1,162,360 79,004
Cost of Service (4)	(54,656)	73,444	234,576 0	515,341 -7,352	2,635,948 3,890 1,150 179,144 2,926,752	539,014 50,144 65,088 225,048	18,009 1,597,871 267,897 2,841,415	555,021 118,256 472,780 3,639,200 100,106
Factor Ref.	9	0 0	0000	100	0 6 0 0 0 0 0	9 9 9 9 9 9	00000	7
Account Number Account Description (1) (2)	Intangible Comprehensive Planning Study	Source of Supply Land & Land Rights Struct & Improv SS	Collecting and Impound Res Lakes, Rivers, & Other Intakes Wells and Springs	Supply Mains Other P/E SS	Pumping Equipment Pumping Structures Lookout Mountain Tariff Lakeview Tariff Power Generation Equipment Electric Pumping Equipment	Lokeview Tariff Lakeview Tariff Diesel Pumping Equipment Other Pumping Equipment	Water Treatment Land & Land Rights Water Treatment Structures Water Treatment Structures-Painting Water Treatment Equipment Granular Activated Carbon	Transmission & Distribution Land & Land Rights T & D Structures Clearwell T & D Reservoirs & Standpipes Lookout Mountain Tariff Lakeview Tariff
Account Number (1)	339600	303.00 304.21	305.00 306.20 307.00	339.00 339.00	304.22 310.20 311.22	311.23 311.27	303.00 304.31 304.32 320.31 320.33	303.00 304.40 330.40 330.41

Public Fire Protection (11) 45,689 - 51,535 80,311 159,886 80,690 354,817 - 548,408 80,690 354,817 - 6,120,574	688 4,571 766 1,441 5,594 (371) (1,205) 4,299 (218) (7,225) (7,225) (7,225) (7,225) (7,225) (7,225) (7,225) (7,225) (7,225) (91) (91) 117 29,087 118,326 5,304 (149)
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Other Water Utilities (9) 98,835 111,482 11,965,141 1,254 4,793 666 8,556	843 5,602 939 1,765 6,856 (454) (1,983) (1,983) (1,983) (1,983) (1,983) (1,983) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12) (1,12)
Other Public Authority (8) (1,259 2,966 102,937 176,794 351,969 97 4,940,780 373,847 1,643,916 173,023 226,878 226,878	1,346 8,943 1,499 2,818 10,945 (725) (2,357) 8,410 (44,135) (1,012) (1,013) 230 56,904 35,852 10,548 10,377 (292)
Industrial (7) 206,665 233,111 152,719 304,040 84 4,267,971 896,659 3,942,879 47,644 90,006	2,127 14,129 2,368 4,453 17,292 (1,146) (3,724) 13,287 (6,5001) (22,332) (1,600) (22,332) (1,600) (281) 1,600 363 89,904 56,644 16,665 16,395 (462)
(6) 339,588 339,588 1,509,581 1,307,261 1,307,261 1,388,437 6,105,374 1,601,091 1,209,483 1,209,483 2,158,944	5,888 39,112 6,555 12,326 47,867 (3,173) (10,310) 36,782 (1,868) (1,884) (1,868) (1,888) (1,988) (779) 4,431 1,005 248,876 156,804 46,133 45,386 (1,278)
(5) 378,057 116,402 426,436 729,966 1,453,244 402 20,399,978 1,545,997 6,798,212 9,830,975 3,794,613	13,852 92,020 15,422 29,000 112,619 (7,465) (24,245) (45,445) (10,418) (1,832) (1,832) (1,832) (1,832) (10,424) (1,832) (10,424) (1,832) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (10,424) (
Cost of Service (4) 1,183,647 0 136,063 1,335,115 1,012 2,359,460 4,774,541 20,995,095 12,537,910 5,325,772 6,120,574 6,120,574 6,120,574	25,022 166,220 27,858 52,385 203,431 (13,8485) (43,8485) (58,838) (18,820) (18,820) (18,820) (18,820) (18,820) (18,820) (19,062) (196,062) (5,433) 873,159
Factor (3) (3) (3) (3) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
Account Description (2) T & D Reservoirs & Standpipes-Painting Lookout Mountain Tariff Lakeview Tariff Elevated Tanks & Standpipes T & D Mains not Classified T & D Mains - Mains (4" or less) T & D Mains - Mains (4" or less) T & D Mains - Mains (6" - 10") T & D Mains - Mains (6" - 10") T & D Mains - Mains (10" - 16") T & D Mains - Mains (10" - 16") T & D Mains - Mains (10" - 16") T & D Mains - Mains (10" - 16") Meters - Mains (12" or More) Services Meters - Plastic Case Meters - Plastic Case Meters - Plastic Case Meters - Anetal Case/New Style Meters - Other Meters - Other Meters - Other Meters - Other	General Land & Land Rights AG Office Structures Stores, Shop, & Garage Structures Niscellaneous Structures Office Furniture Computer & Peripheral Equipment Computer and Mainframe Equipment Computer & Periph Personal Computer Software Computer Computer Software Computer Computer Software Computer Com
Account Number (1) 330.42 330.43 331.40 331.44 331.44 331.44 331.44 331.44 331.44 331.44 331.44 331.44 331.44 331.45 331.44 334.42 334.42 334.44 334.44	303.00 304.51 304.52 304.53 340.53 340.53 340.55 340.55 340.55 340.55 340.55 340.54 340.54 340.54 340.54 340.55 340.54 340.55 340.55 340.56 340.57 340.56 340.57 340.56 340.57 340.56 340.57 340.56 340.57 340.57 340.56 340.57 340.56 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 340.57 34

Public Fire Protection (11) 52 (406) 3,072 662 23,540	9,531,890	(2,580) (3,534) (555,190) (1,149,667) (4,574) (4,574) (4,574) (4,574) 2,197 25,242 3,860 16 - 42,000 41 10,277 43,739 54,764
Private Fire Protection (10) 27 (164) 1,240 267 9,502 499	2,632,055	(710) (1,824) (285,853) (108,262) (1,260) 338 (1,260) 338 (1,248 1,144 13,028 8 4,089 2,830 17,655 17,655 17,655
Other Water Utilities (9) 1,591 (497) 3,765 812 28,848	4,192,201	(1,136) (109,084) (154) (143) (1606,260) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,014) (2,01
Other Public Authority (8) (794) (794) 6,010 (1,296 46,054	10,065,496	(2,724) (91,075) (1,222,180) (21,192) (6,786) - (1,214,008) (4,830) 1,443 53,391 10,179 650,586 160 7,710 400 800 1,363 10,852 81 10,852 85,569 10,738 81 81 81 81 81 81 81 81 81 81 81 81 81
Industrial (7) (7) (7) (7) (1,254) (1,254) (9,496 2,048 772,762	13,614,619	(3,682) (218,511) (1,055,750) (5,835) (2,692) (1,640,689) (6,528) 1,247 46,121 24,414 1,560,917 361 17,460 959 959 220 541 14,666 135,193 169,269
Commercial (6) (4,937 (3,472) 26,287 5,688 201,421 1,044	39,587,064	(10,710) (338,424) (4,539,345) (196,100) (36,176) (4,773,066) (18,990) 5,360 198,302 37,804 2,417,508 2,417,508 2,417,508 2,407 7,407 7,267 7,267 353 42,666 374,245 33,264,513
Residential (5) 5,506 (8,168) 61,847 13,336 473,892 2,457	60,811,867	(16,451) (377,407) (5,046,258) (1,204,087) (113,498) (113,498) (1331,456) (29,169) 5,958 220,446 42,094 2,695,982 663 31,940 1,656 45,478 22,800 830 830 (9,002,001) (9,002,001)
Cost of Service (4) 16,628 (14,754) 111,718 24,089 856,018 4,438	140,435,188	(37,993) (1,739,858) (1,535,630) (1,535,630) (15,931,771) (67,385) 15,000 555,000 130,000 8,142,500 2,000 100,000 5,000 100,000 115,000 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,
Factor (3) (3) 2 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4		804101000000000000000000000000000000000
Account Description (2) Laboratory Equipment Power Operated Equipment Communication Equipment Communication Equipment Miscellaneous Equipment Other Tangible Plant	Total Utility Plant in Service (Net)	Accumulated Deferred ITC Accumulated Amortization of Capital Leas GAC - Mains CIAC - Mains CIAC - Mains CIAC - Mains CIAC - Maters CIAC - Meters CIAC - Hydrants Deferred Taxes Utility Plant Acquisition Adjustment CWIP - Mains not classified CWIP - Mains 12" and Greater CWIP - Mains 12" and Greater CWIP - Water treatment Structures CWIP - Water Treatment Structures CWIP - Elevated Tanks and Standpipes CWIP - Hydrants CWIP - Hydrants CWIP - Meters CWIP - Meters CWIP - Hydrants CWIP - Hydrants CWIP - Office Furniture CWIP - Office
Account Number (1) 344.50 345.50 346.51 346.51 346.53 347.51		331.4 304.3 340.2 320.3

This file has been produced in native format.:

Name: TN-CMA-01-Q028-ATTACHMENT-CD ONLY.xls $\,$

TENNESSEE AMERICAN WATER COMPANY
DOCKET NO. 10-00189
FIRST SET OF DATA REQUESTS OF THE
CHATTANOOGA MANUFACTURERS ASSOCIATION

Responsible Witness: Paul Herbert

Question:

29. Please identify in tabular format and provide a copy of all cost of service studies prepared by Mr. Herbert, or those working with him, for any other rate cases involving affiliates of AWW or its parent(s) for the past five (5) years including, but not limited to, a summary of the conclusion(s) of each such study, whether such study recognized any subsidy by one rate class benefiting another class of customers, whether his proposed rate design requested an increase "across-the board" (i.e. allocated proportionally among the various customer classes so that each class, as a whole, would receive the same percentage increase as the other classes) or an increase that called for differential increases amongst customer classes (identifying the differential increases), whether his rate design was opposed, and whether his design was adopted.

Response:

TAWC objects to this question on the grounds that this question is overly broad, unduly burdensome, and not relevant to this proceeding. Without waiving these objections, TAWC provides the following response. Mr. Herbert specializes in cost of service studies and has appeared before regulatory bodies across the country as an expert in this field. Attached to his testimony is a substantial list of docket (case) numbers where he has appeared as a witness, and this testimony and cost of service studies appear on the various regulatory web sites for those cases.

The following table shows the name of the American Water affiliate, year of study and whether the proposed rate design was based on an across-the-board increase or was based on class specific increases.

		Proposed
<u>Company</u>	Year of Study	Rate Design
Arizona American	2008	Class Specific
Illinois American	2009	Class Specific
Iowa American	2009	Class Specific
Kentucky American	2007	Across the Board
•	2010	Class Specific
Missouri American	2006	Across the Board
	2008	Class Specific
	2009	Class Specific
New Jersey American	2006	Class Specific
	2008	Class Specific
	2010	Class Specific
New Mexico American	2006	Class Specific
Ohio American	2007	Class Specific
	2009	Class Specific
Pennsylvania American	2007	Class Specific
	2009	Class Specific
Virginia American	2008	Class Specific
	2010	Class Specific
West Virginia American	2007	Across the Board
	2010	Across the Board

TENNESSEE AMERICAN WATER COMPANY
DOCKET NO. 10-00189
FIRST SET OF DATA REQUESTS OF THE
CHATTANOOGA MANUFACTURERS ASSOCIATION

Responsible Witness: John Watson/Michael A. Miller

Question:

30. Please provide a tabulation of projected capital investment dollars, for each of the Fiscal Years 2002 through 2010, identifying the dollar amount of investment actually expended in each of those years and whether the Company invested or failed to invest the amount it projected would be invested.

Response:

The Company objects to this question on the grounds that some of the information requested is not relevant nor reasonably calculated to lead to the discovery of admissible evidence. Without waiving the objections, the Company would note that its capital spending plan in any given year, as with any Company or utility, is a dynamic process with many factors that can change, such as, field conditions not evident in the planning and design phase, changes in priorities as unexpected events occur which require more or less money be spent on a particular project, weather during the construction period and the financial condition of the Company, the Company's ability to attract capital to fund the planned construction, and timing and results of rate cases, all of which can change the timing of capital projects. The following table provides the actual versus plan spend for the requested period and as is evident in the table in some years the Company spends more than planned and some years less than planned. The Company also incorporates its response to TN-CAPD-01-SUPPLEMENTAL-Q62 as part of its response to this request.

	Actual	Budget	Difference
2002	5,505,147	6,950,000	1,444,853
2003	6,666,090	5,953,076	(713,014)
2004	8,072,329	9,036,111	963,782
2005	14,762,462	11,332,278	(3,430,184)
2006	15,756,347	16,561,000	804,653
2007	11,401,255	12,001,220	599,965
2008	9,393,558	10,579,799	1,186,241
2009	5,208,935	7,466,747	2,257,812
2010*	8,479,776	8,642,755	162,979
	76,766,123	79,880,231	3,114,108

^{* 2010} is YTD September

TENNESSEE AMERICAN WATER COMPANY
DOCKET NO. 10-00189
FIRST SET OF DATA REQUESTS OF THE
CHATTANOOGA MANUFACTURERS ASSOCIATION

Responsible Witness: John Watson/Michael A. Miller

Question:

Please provide a copy of every advertisement (print; audio; video; electronic) issued or placed during the test year by the Company and/or on behalf of the Company by American Water Affiliate that allocates costs to Tennessee American. For each advertisement, please provide a breakdown of costs relative to the advertisement by account and indicate how much of the cost of the advertisement has been included in the Company's revenue requirement. Please indicate any allocation of advertising costs from any Affiliate and the account where those costs are booked. Please indicate if the Company has a classification method for the various types/functions of advertising and, if so, indicate the classification of each advertisement provided.

Response:

The Company objects to this question on the grounds that it is overly broad, unduly burdensome, and in part requests information that is not relevant nor reasonably calculated to lead to the discovery of admissible evidence. Please see the attached documents identified as TN-CMA-01-Q31-ATTACHMENT that details the advertising paid for by TAWC with copies of the ads that could be located by category. All advertising was charged to account 575030.16. Only conservation and information type ads, which totaled \$9,739 in the historical test year, were included in the Company's revenue requirement. Any advertising expense allocated from an American Water Affiliate was eliminated as detailed on the working papers provided in response to TN-TRA-01-Q13, identified as TRA-01-Q013-MANAGEMENT FEES, pages 1 and 11 of 12.

Conservation

INVOICE



Advertiser:

TN AMERICAN WATER CO DIRECT

CHATTANOOGA, TN 37401 HALOSPECP4

Invoice #: Invoice Date: Contract #:

Page:

IN-1090312866 03/29/2009 71290

\$ 600.00 NZY

Station(s):

InterActive

Advertiser:

TN AMERICAN WATER CO DIRECT

Product: Estimate #: **ECO EXPO GREEN GUIDE GREEN GUIDE INSERTION**

Agency Client Code:

Buyer Name:

Salesperson(s):

REBECCA CRUZ

Terms:

NET 30

IN1090312866

Rate \$600.00

Date 03/29/09

CHATTANOOGA HAS FUN.COM; ECO EXPO GREEN GUIDE INSERTION-APRIL 7, 2009

Remit To: **BREWER INTERACTIVE** 423-242-7656 1305 CARTER STREET CHATTANOOGA, TN 37402 **Invoice Totals**

Gross Amount:

NET 30 Net Amount:

Quantity

1@

Unit Price

\$600.00

\$600.00 \$600.00

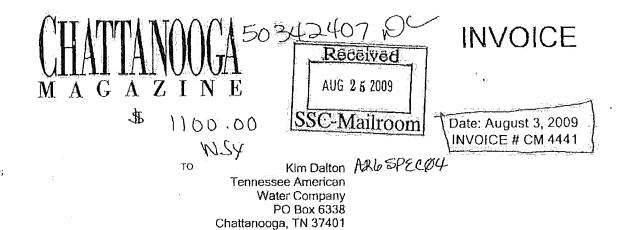
260221,575030.16 TJ29

Received

APR 0 7 2009

Shared Services Center

Informational



Salesperson	Insertion No.	Delivery D	Date Paymer	t Terms	Due Date
Sally Cole	1 of 1	08/03/200	09 Net 30		09/02/2009
Name	Description	Qty.	Unit Price	Discount	Total :!
4-page business profile	4-page business profile 2010 Planner	1	\$1,100.00		\$1,100.00

Total Discount:

260221.575030.16

TJ 29

Subtotal:

Total:

\$0.00

\$1,100.00

Sales Tax:

\$0.00 \$1,100.00

Thank you for your business! Please put Invoice No. on check to insure proper credit.

Make all checks payable to Chattanooga Magazine 6131 Airways Blvd. Chattanooga, TN 37421

Phone 423-892-1328 Fax 423-648-7748

503,42401 (W)

CHATTANOGA M A G A Z I N E

A26SECD2

INVOICE

MSX

Date Jan. 21, 2010 INVOICE # CM 4572

то

Kim Dalton Tennessee American Water Company PO Box 6338 Chattanooga, TN 37401

Salesperson Sally Cole	Naserion No.	Pel Vary 01/21/20	Date: uPaymen	Norms -Di 02	ie Date (; 1 // 20/2010
iName vi in	4-page business profile paid half of \$2200 (\$1100	ieixik	Voit Pice; \'i.'	Discounts :	
4-page business profile	on 8/7/2009), \$1100 remaining on bill 2010 Planner	1	\$1,100.00		\$1,100.00
And the state of t		-4 5	Total Discount:	\$0,00	
•	210221	1578 Ta	030.16 9	Subtotal: Sales Tax: Total:	\$1,100.00 \$0.00 \$1,100.00

Thank you for your business! Please put Invoice No. on check to insure proper credit,

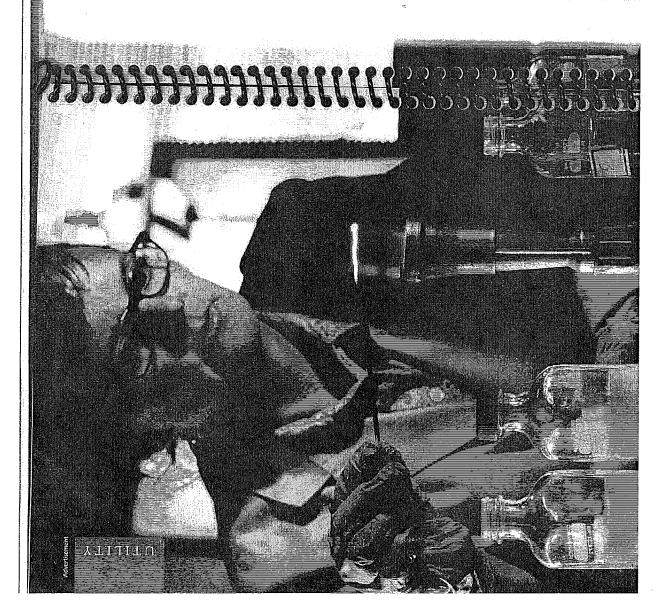
Make all checks payable to Chattanooga Magazine 6131 Alrways Blvd. Chattanooga, TN 37421

Phone 423-892-1328 Fax 423-648-7748

L DELIVERED DIRECTLY TO THE HOME HAS BEEN A FACT OF LIFE IN CHATTANGOGA SINCE 1850, when pipes were installed to be bring water from artesian wells to the homes of chattanooga's 2,500 inhabitants. "HE CONVENIENCE OF DRINKING WATER

In 1856 the area's first water company. Chattanooga Water Corporation, was established pump were built at the foot of pine Street to take water from the Tennessee River. Wooden storage tanks were built on the side of Cameron Hill and anonwinnesselving. General Ulysses S. Grant, a steam boller and and in 1863 the Union Army took possession of the existing system. Under the direction of

the Lookout Water Company. It supplied most of the city's water. A nine million gallon reservoir on Cameron Hill and a pumping station at the comer was pumped from the river to the reservoir. If then flowed into the distribution system by gravity. Water mains were installed and Chattanooga had its first fire protection service. of Water and Pine Streets were erected. Water



CHATTANOOGA WATER TIMELINE

- 1856 Chattanooga's first water company established
- system, install first storage tanks 1863 Union forces seize water
- 1868 First pumping station built
- 1892 Filtered water service begins
- known as Tennessee American Water 1973 Water provider becomes
- Director's Award by the Partnership 2009 9-year recipient of the for safe drinking water

water. The name was changed once again in 1973 to miles of water mains were installed and new storage facilities and filters were added. In 1892, Chattanooga became the second city in the south to have filtered consolidated to become the City Water Company of Chattanooga and rapid progress was made. A new pumping station was built at the mouth of Citico Creek Tennessee American Water Company.

Many improvements have been made since the includes 1,280 miles of water main, 23 water storage tanks, 5,065 fire hydrants, 29 pumping stations and 65 mgd award-winning water treatment facility Tennessee American Water's system ensuring that safe, reliable water service is available to the residents of Chattanooga. 1850s, Today,

Service

Chattanooga will use approximately 70 gallons of expect to have clean water they can drink or use at any time. Having access to safe, reliable water service is a cornerstone of our modern way of life, So just now does the water get from the Tennessee River to On any given day, a typical single-family home in water for daily activities, such as drinking, cooking and washing. When people turn on the faucet, they the tap?

arran Disa

through watersheds, it picks up natural and manmade

consuming water straight from the Tennessee River is recreational activities like swimming and fishing, does not meet Safe Drinking Water standards for human The untreated water in the river, while safe for consumption set by the federal government; therefore, not recommended

law that imposes regulations on the quality of drinking water which water suppliers must adhere to. The Tennessee American Water ensures that the drinking than, EPA standards. We are regulated by the US EPA and the Tennessee Department of Environment and The Safe Drinking Water Act (SDWA) is the federal United States Environmental Protection Agency water our customers receive is as good as, or better (USEPA) is responsible for administering the SDWA, Conservation (TDEC).

To ensure the water collected from the Tennessee water quality standards set by the US Environmental Protection Agency, Tennessee American Water must employ a complex water treatment process that River is free of contaminants and meets stringent involves clarification and filtration.

TENNESSEE AMERICAN WATER TODAY

- 1,280 miles of water main
- 23 Water Storage Tanks
- Over 5,000 fire hydrants
 - 29 pumping stations
- 65 mgd treatment facility

Quality

treatment plant on Citico Drive the process of creating Jennessee American Water tests the water before and From the moment water is collected from the fennessee River at Tennessee American Water's ctandards in the treatment facility, water goes through quality water for its customers begins. Everyday after it is treated to ensure it meets USEPA and TDEC

bottom of the sedimentation vessel.

granular activated carbon to remove very small particles 4. Filtration - Following sedimentation, the clarified water passes through filters containing fine sand and and unpleasant taste and odor-causing compounds.

chemicals are added to help prevent corrosion of home and before water is distributed to customers, the water disinfectant for the water during distribution; fluoride is added for dental health; and corrosion control Final Chemical Treatment - Following filtration is treated with approved chemicals in accordance with state and federal regulations. Chlorine is added as a plumbing.

reservoir to be used in meeting the constantly changing 6. Storage - Water is placed in a closed tank or water needs of the community.

ground storage tanks or it is immediately delivered to will either store the water in a variety of elevated and Once the water is treated, Tennessee American Water homes and businesses.

highest quality water available, strenuous attention to Tennessee American Water has been an active supplies by optimizing system operations." Tennessee American Water's Citico treatment facility has received the Director's Award for the last nine years for the facilities', adherence to the high operating standards of the Partnership. The commitment to producing the controlling costs, and human necessity makes water service the most valuable utility service available to the participant in the Partnership for Safe Water program The Partnership's mission is to "improve the quality of drinking water delivered to customers of public water from the American Water Works Association (AWWVA). citizens of Chattanooga.

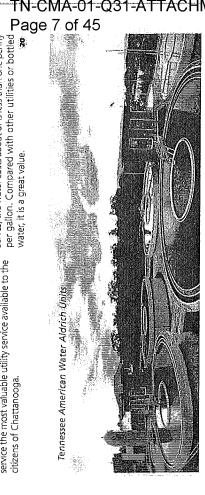
evidence and hearings, testimony and rebuttal; orders from administrative law judges and rights to appeal. This formal process Investor-owned utilities are closely regulated by ong, open and transparent process and in the end, for hearing rate requests includes informing the public intervention by interested parties; presentation of They are the subject of the rates are set by the regulator. public utility commissions.

or the money water providers need to repair and A main driver of increasing rates is capital investment upgrade the water supply infrastructure.

infrastructure and to comply with quality standards to ensure quality water systems across the United States. In addition, another \$300 to \$400 billion will Replacing aging infrastructure is a challenge the whole water industry faces. The EPA estimates that approximately \$335 billion of capital spending will be necessary between 2007 and 2026 to replace aging be required for wastewater.

invest nearly a billion dollars annually to replace aging the foreseeable future, the company estimates it will American Water is committed to consistently providing customers with high-quality drinking water, as well as reliable water and wastewater services. For infrastructure.

commodity in the American household. To put this in perspective, in most of the states American Water serves, the water costs about or is less than one penny Even though there is a significant cost to bring water to customers' taps, water is typically the cheapest



creat_lve co.op

www.creativeco-op.com

Received
FEB 0 9 2010
Shared Services Center

Creative Co-op LLC

28 Front Street Exeter, NH 03833

> P. 603.658.1600 F. 603.658,1601

PLEASE NOTE OUR NEW ADDRESS

Federal Tax ID #80-0032907

January 30, 2010

Tennessee American Water P.O. Box 5608 Cherry Hill, NJ 08034

Attention: David Barney

Workbasket#A28MGR04

INVOIC € #3307

INVOICE

Project Reference	Name	Amount Due	Terms	
AMER0500,136	Divestiture Bill Insert	\$300.00	Upon receipt	

Project Details:

This invoice is for the creation of a new bill insert based directly on an existing bill insert for Tennessee American Water.

AMER0500.136

TN

Divestiture

This project included:

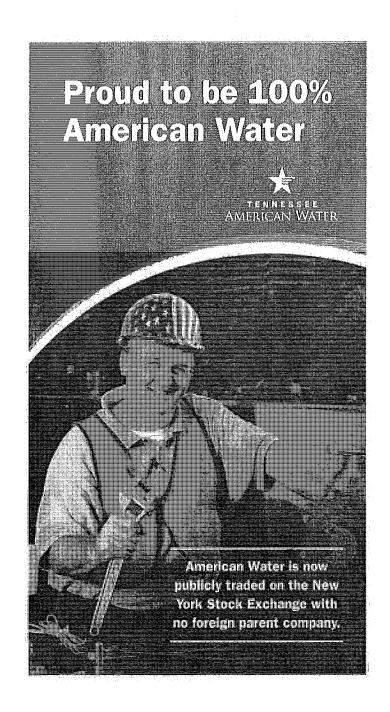
- Print management
- Layout and design of the insert
- Mechanical preparation of files and electronic delivery to the vendor

(Josh Weinstein

Invoice Total:

947,12

Invoice Harperprints Remit to: Harperprints FSC # SGS-COC-007087 One Industry Drive Post Office Box 1596 Henderson NC 27536 Received FEB 0 9 2010 Bill to: Tennessee American Water 204987 Invoice Number: PO Box 5608 Cherry Hill NJ 08034 Involce Date: 50339/63 1/26/2010 Sharad Services Center Page: Toli Terms: 30 days Amount Quantity Description 132699 Ship to: Richards, Dick Salesperson: Purchase Order: **Customer Order:** Date Shipped: 1/26/2010 Divestiture Inserts Tennessee AM267i 879.00 Subtotal: 879.00 Sales Tax Payable 68.12 Job Total: 947.12



INVOICE



140 Christopher Lane, Harleysville, PA 19438-2034 (215) 513-1600 • Fax (215) 513-1840

REMIT TO: Alcom Printing Group Inc. P.O. Box 570 Harleysville, PA 19438-0570

SOLD TO: TN AMERICAN WATER COMPANY

C/O AMERICAN WATER SHARED SERVICES CTR PO BOX 5608-KIM DALTON-#A26SPEC04

CHERRY HILL NJ 08034

36002 Invoice No.

3/11/2010

Customer No. :

Invoice Date

000000651100

Job Number

33795

Customer PO

Salesperson

Maria Kennedy

QUANTITY	DESCRIPTION	UNIT PRICE	PRICE
81.150	"CHATTANOOGA" CCR - MARCH;2010		2,304.66
	AW743i		2
137	PWS ID: TN0000107		
	Change to Tennessee version	:	25,00
	Additional to paper band 101 bundles @ 5.90/bundle		90,90
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	Received MAR 1 5 2010		
	CCCIVED		
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<u> </u>	decimal and the second	Sub Total	2,420.5

PLEASE REFER TO INVOICE NUMBER AND JOB NUMBER ON ALL CORRESPONDENCE.

Terms:

NET 30 DAYS

Tax Postage and/or Freight Deposit Total

0.00 206.00 $_{-0.00}$ 2,626.56

SERVICE CHARGE OF 11/1% PER MONTH (18% PER YEAR) CHARGED ON PAST OUE INVOICES.



797 East Lancaster Avenue Suite 14 Downingtown, PA 19335

RECEIVED

DEC 17 2009

SSC-MAILROOM

Invoice

Date	Involce #
12/15/2009	6580

Bill To:

Tennessee American Water Accounts Payable Department PO Box 5608 Cherry Hill, NJ 08034

Attention: Kim Dalton

Remit To:

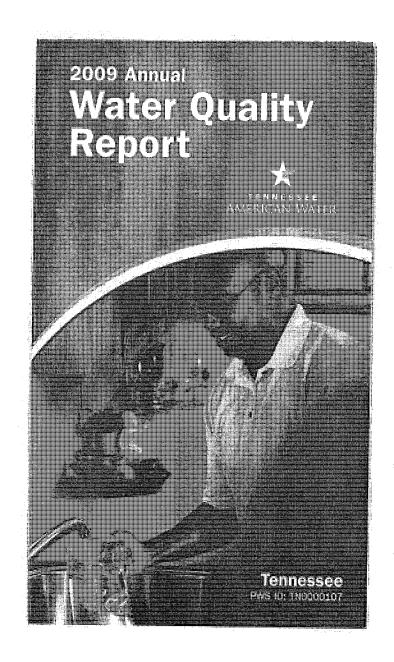
Windrunner Advertising 797 East Lancaster Avenue Suite 14

Downingtown, PA 19335

Purchase Order	Vendor Number	District No.	Workbasket	Terms	Due Date
AW-CCR-TN-09			(A26SPEC04)	in the second	{/15/2010
	Description	Lipegan and dengapan 4	1		Amount
2009 CCR - TENNESSEE INITIAL BILLING (1)			angle and the second spiperine for a separate size a second secon		*
50% of Standard "per CCR" fee (\$475.00)	ig å	به به اود ا	m jane di di		, .237.501
nvoice covers the following system: Chattan Dut-of-state sale, exempt from sales tax	ooga-TN0000107				0,00
		-A'			
4.					
]	
proved and respect to a superior of the superi	, the appearance			A	i j
Initial payment is due to Windrunner Adve	rtising by 1/15/10		T	otal	\$237.50

Phone #: 610-518-6620

Fax #: 610-518-6624



Page 14 of 45

Invoice **Harperprints** Remit to: Harperprints FSC # SGS-COC-007087 Received One Industry Drive Post Office Box 1596 Henderson NC 27536 FEB 0 9 2010 Shared Services Centor Bill to: 204991 Tennessee American Water Invoice Number: 50339163 AND FOC THE 71. 18 PO Box 5608 Invoice Date: 1/28/2010 Cherry Hill NJ 08034 Page: . 1 of 1 Terms: 30 days Description Amount Quantity 132702 Ship to: Job: Salesperson: Richards, Dick Purchase Order: **Customer Order:** Date Shipped: 1/28/2010 80,000 Web Self-Serve Bill Inserts Tennessee AM273i 921,00 Subtotal: 921.00 Sales Tax Payable 71,38 Job Total: 992.38) Invoice Total: 992.38

SAVEYOURSELFTHETRIP

Pay your bill online using My H20 Online



Pay your bill online

American Water has offered 24-hour service for your convenience for years. Now, we're making around-the-clock service even simpler with our new self-service website **My H20 Online**. Why make a special trip to pay your bill in person, when you can pay your bill electronically:

Sign up for our Automatic Payment Program

Sign up for Automatic Payment, and your bill will be paid on time, every time, directly from your checking or savings account on the date it is due. You'll still receive a copy of your bill well before the due date, so you will have time to ask any questions before payment. And it's totally free! To sign up, visit **My H20 Online.**

Pay online using your credit card

With My H2O Online, you can also pay your bill online with a credit card.

Here's what else you can do on My H2O Online

Turning water service on/off: Turning your residential water service to your home on and off has never been easier. With My H2O Online, you can set up your account if you are a new customer. You can even look for an available time that works best for you. Likewise, you can arrange to have your water service turned off if you are moving. Make sure to allow a few days before you want service stopped. This will enable us to take a final and accurate meter reading and ensure that you are only charged for water used.

Manage your account: You'll be able to change your mailing address or add a second person on your water service account. You can also update your phone number(s) so that we have your current contact information and know how to reach you.

View your bill: Log on and check your account balance. You can even view your account history and your usage history.

Sign Up Today!

Signing up is easy. All you need is the address where you receive service and your account number, and My H20 Online takes care of the rest. Even if you have service at more than one properly, you only need one My H20 Online account to manage them all.

Why wait any longer, Visit My H20 Online today to start managing your water service ecount online at: www.amwater.com/myh2o



For more information

If you have questions about the site or forget your password, we are just a phone call away. Contact our Customer Service Center at 1-866.736.6420

Our customer service representatives are available 24/7 to assist you.

GREATER CHATT PUBLIC TV CORP 50450609 7540 BONNYSHIRE DRIVE

CHATTANOOGA, TN 37416

Phone: (423) 702-7800 Fax: (423) 702-7823

pc

INVOICE

\$440.00

INVOICE NO. 7637

BILLING FAX:

BILLING PHONE: (423) 755-7613

ACCT. NO.: TENNES

SOLD TO: TENNESSEE AMERICAN WATER COMPANY ATTN: KIM DALTON 1966 SPECOLA 1101 BROAD STREET

CHATTANOOGA, TN 37402

SHIP TO: TENNESSEE AMERICAN WATER COMPANY

ATTN: KIM DALTON 1101 BROAD STREET CHATTANOOGA, TN 37402

SALES NO.		RCHASE DER NO.		SHIP VIA	SALES- PERSON	DATE SHIPPED	1	rerms	INVOICE DATE
5		, <u></u>				07/01/2009	DUE UPON I	RECEIPT	07/01/2009
QUANTITY ORDERED	QUANTITY SHIPPED	BACK ORDERED	•	ITEM,NO,		DESCRIPTION		UNIT PRICE	EXTENDED PRIC
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GREATER CHATT PUBLIC TV CORP 7540 BONNYSHIRE DRIVE CHATTANOOGA, TN 37416

Phone: (423) 702-7800 Fax: (423) 702-7823

INVOICE

INVOICE NO. 7611

BILLING PHONE: (423) 755-7613

BILLING FAX:

ACCT, NO.: TENNES

SOLD TO: TENNESSEE AMERICAN WATER COMPANY

ATTN: KIM DALTON A26 SPEC CHATTANOOGA, TN 37402

SHIP TO: TENNESSEE AMERICAN WATER COMPANY

ATTN: KIM DALTON 1101 BROAD STREET CHATTANOOGA, TN 37402

SALES NO.	ORI	RCHASE		, SHIP VIA	SALES- PERSON	DATE SHIPPED	. 11	RMS	INVOICE DATE
5						06/01/2009	DUE UPON RE	CCEIPT (06/01/2009
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				SSC-MAILF		Thank	You	TOTAL	440.0

GREATER CHATT PUBLIC TV CORP

7540 BONNYSHIRE DRIVE CHATTANOOGA, TN 37416 50450GO

Phone: (423) 702-7800 Fax: (423) 702-7823

B 440.00 INVOICE

INVOICE NO. 7587

BILLING PHONE: (423) 755-7613

BILLING FAX:

SHIP TO: TENNESSEE AMERICAN WATER COMPANY

ATTN: KIM DALTON 1101 BROAD STREET CHATTANOOGA, TN 37402

ACCT. NO.: TENNES

SOLD TO: TENNESSEE AMERICAN WATER COMPANY

1101 BROAD STREET HASPECTHY
CHATTANOOCA

CHATTANOOGA, TN 37402

SALES NO.	PUI ORI	RCHASE DER NO.	SHIP VIA	SALES- PERSON	DATE SHIPPED	TE	ERMS	INVOICE DATE
8	: 111 - 111 - 11			ADC	05/01/2009	DUE UPON RI	ECEIPT (05/01/2009
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					Thank '		FREIGHT	0.00

Windrunner pavertising

797 East Lancester Avenue Suite 14 Downingtown, PA 19335 50106950 pc

Invoice

Received

MAY 2 1 2009

Shared Services Center

\$ 515.00 NSY

Bill To:

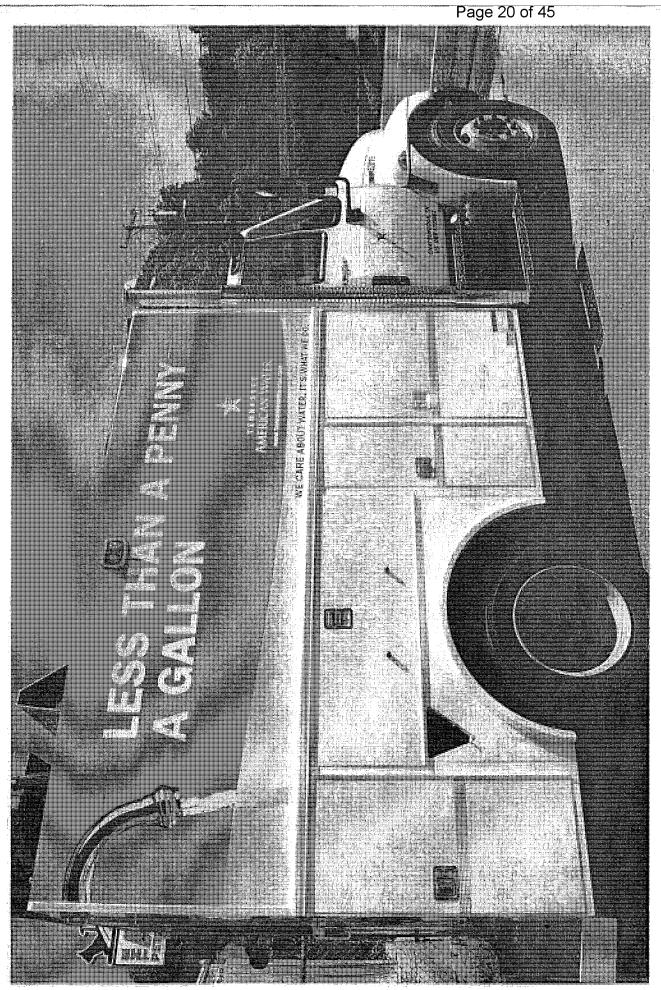
Tennesee American Water, Accounts Payable Department PO Box 5608 Cherry Hill, NJ 08034

Attention: David Barney

Remit To:

Windrunner Advertising 797 East Lancaster Avenue Suite 14 Downingtown, PA 19335

A27mGR02 Job No. Purchase Order Vendor Number District No. Workbasket Terms **Due Date** Net 30 AW-TN-1081 A27MGR02 6/18/2009 Description **Amount** TENNESSEE TRUCK DECAL Graphic Design/Production 155.00 -Create new truck decal based on existing art (provided) - per estimate. 2 Additional Rounds of Revisions 275.00 - Photoshop to make water pitcher image more opaque - Replace pitcher with new image of faucet (provided) Project Coordination 85,00 v. ∵ G⊅ gr S **Total** \$515?00 Phone #: 610-518-6620 Fax #: 610-518-6624



Promotional

CHATTANOOGA, TN 37416

ACCT NO,: TENNES

GREATER CHATT PUBLIC TV CORP
7540 BONNYSHIRE DRIVE 504 50609

INVOICE

Phone: (423) 702-7800 Fax: (423) 702-7823

SOLD TO: TENNESSEE AMERICAN WATER COMPANY

INVOICE NO. 7646

\$ 100.00 NSV

BILLING PHONE; (423) 755-7613

BILLING FAX:

SHIP TO: TENNESSEE AMERICAN WATER COMPANY

ATTN: KIM DALTON 1101 BROAD STREET

ATTN: KIM DALTON 426 SPECAL CHATTANOOGA, TN 37402 CHATTANOOGA, TN 37402 PURCHASE ORDER NO. SALES SALES-PERSON TERMS INVOICE DATE SHIP VIA DATÉ SHIPPED NO. 07/01/2009 07/01/2009 DUE UPON RECEIPT BACK ORDERED QUANTITY SHIPPED QUANTITY ORDERED UNIT PRICE EXTENDED PRICE ITEM NO. DESCRIPTION-0 UW 100.00 100.00 FUNDING FOR: CAPITOL FOURTH 260221,575030,16 T606 RECEIVED JUL 1 6 2009 SSC-MAILROOM SALES AMOUNT 100.00 TAXABLE TOTAL 0.00 SALES TAX 0.00 **FREIGHT** 0.00 Thank You 100,00

8913023 (0610)

creat_lve co.op



Creative Co-op LLC

28 Front Street Exeter, NH 03833

www.creativeco-op.com

P..603.658.1600--F. 603.658.1601

PLEASE NOTE NEW ADDRESS

Federal Tax ID #80-0032907

November 30, 2009

Tennessee American Water

P.O. Box 5608 Cherry Hill, NJ 08034

Attention: David Barney Workbasket #A28MGR04

INVOICE

INVOICE

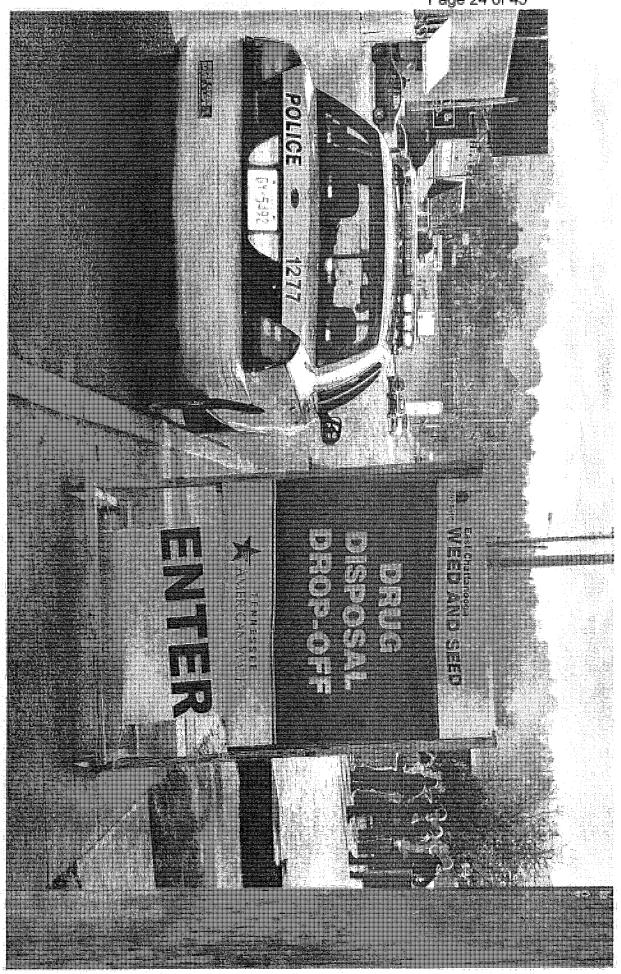
Project Reference	Name	Amount Due	Terms	
AMER0707	Banner for Local Event	\$225.00	Upon receipt	

Project Details:

This invoice is for the creation of a new banner design for Tennessee American Water. This project included:

- Account service and project management
- Layout and design of the banner
- Creation of a high-res PDF of final artwork and electronic delivery to David Barney for production coordination

losh Weinstein



50456170 Invoice AGC of East Tennessee 101 West 21st Street DATE INVOICE # Chattanooga, TN 37408 423/265-1111 -37438 7/24/2009 **BILL TO** \$ 525.00 Tennessee American Water NSX Attention: Kim Dalton P. O. Box 6338 Chattanooga, TN 37401 A26Speco4 P.O. NO. **TERMS** Due on receipt RATE QTY TRUOMA ITEM 525.00 2 Business Card - Color 525.00 2 BC Color Tennessee Sales Tax 9.25% 0.00 26022120030 575030.16 NO Record of payment RECEIVED SEP 1 5 2009 SSC-MAILROOM

PLEASE RETURN REMITTANCE COPY WITH PAYMENT

Total

\$525,00





Allegra Print & Imaging 6242 Perimeter Drive Chattanooga, TN 37421 Phone; (423) 855-1777 Fax: (423) 855-5063 www.allegrachat.com

50337218 pc

2x 311.14

Invoice								
No 44770	Date: 07/07/09							
nio To:								

Kimberly Dalton A 26 SPE CO4 Tennessee American Water Co. P.O. Box 6338 1101 Broad Street Chattanooga TN 37401

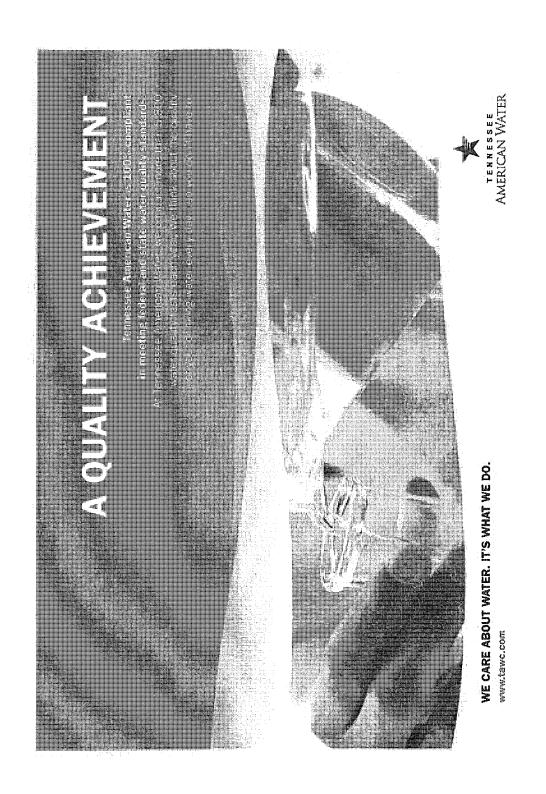
see notes

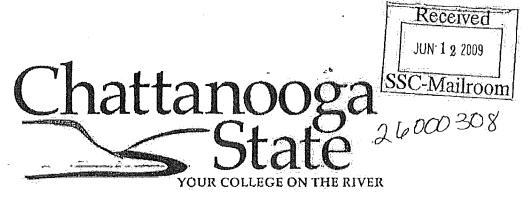
Fax: 423-755-7636

Acct.No	Ordered By	Phone	P.O. No	Prepared By	Sales Rep	Ship Via
854	Kimberly Dalton	423-755-7613	<u> </u>	Charity	Jennifer	OurTruck
Quantity	Description					Price
1	Sign - TN Poster (Paper WF Vi		284.80			
	T613					
		. R	ECEIVE	ED		
		·				
		SS	C-MAILRO	OM		
	Thank you for the or	der.			Subtotal Shipping Postage Tax TOTAL Paid BALANCE	284.80 0.00 0.00 \$\frac{26.34}{311.14} 0.00 311.14
	Received by:		Date:	1	Terms	Net 30 Days

Please pay from this invoice

Allegra Print & Imaging • 6242 Perimeter Drive • Chattanooga TN 37421 • (423) 855-1777





Invoice

Chattanooga State Marketing Dept. 2400 308 c/o Patty Brown, Marketing & Communications Director 4501 Amnicola Highway, CBIH-221 Chattanooga, TN 37406

Email: patty.brown@chattanoogastate.edu

Invoice # 10-0003

Date: June 3, 2009

Billed To:

A26 SPECPY Kimberly Dalton

TN American Water Company 1101 Broad St. PO Box 6338, Chattanooga, TN 37401

423-755-7613

kdaltou@amwater.com

260 221, 575030.16

1129

Sponsorship Description:

Amount

Student Handbook Sponsorship For one half-page black & white TN American Water ad in student handbook

\$500.00

Total due

\$500.00

Please make your check out to Chattanooga State. Send this form and your payment to Patty Brown at the address above.

We appreciate your support!!

Patty Brown Director, Marketing & Communications Dept.



797 East Lancaster Avenue

Suite 14 Downingtown, PA 19335

50106950

\$ 230.00 NSX

Received

JUL 1 3 2009

SSC-Mailroom

50106950 pc Invoice - Invoice # Date 7/10/2009

Remit To:

Windrunner Advertising 797 East Lancaster Avenue Suite 14 Downingtown, PA 19335

Bill To:

Tennesee American Water Accounts Payable Department PO Box 5608 Cherry Hill, NJ 08034

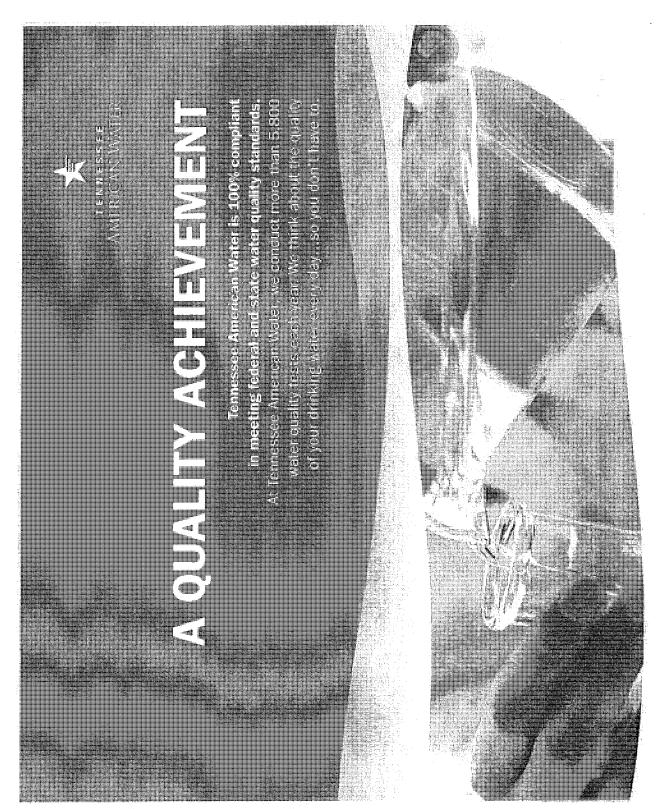
Anention: David Barney

Inv# (a	Purchase Order	7. 10 69 Vendor Number	District No.	A 2.7 MGR	Terms ¹	Due Date
AW-TN-1074		<u> </u>		A27MGR02	Net 30	8/9/2009
Garaga Brogg Hang Hill.	15. W. C	Description	<u> </u>	!!		Amount*
TENNESSEE AIRPOI						
Graphic Design/Produc Request to change for Includes file prep	ction mat of "Quality" post	er from portrait to lar	idscape		e .	185.00
Client Services & Coor	dination					45.00
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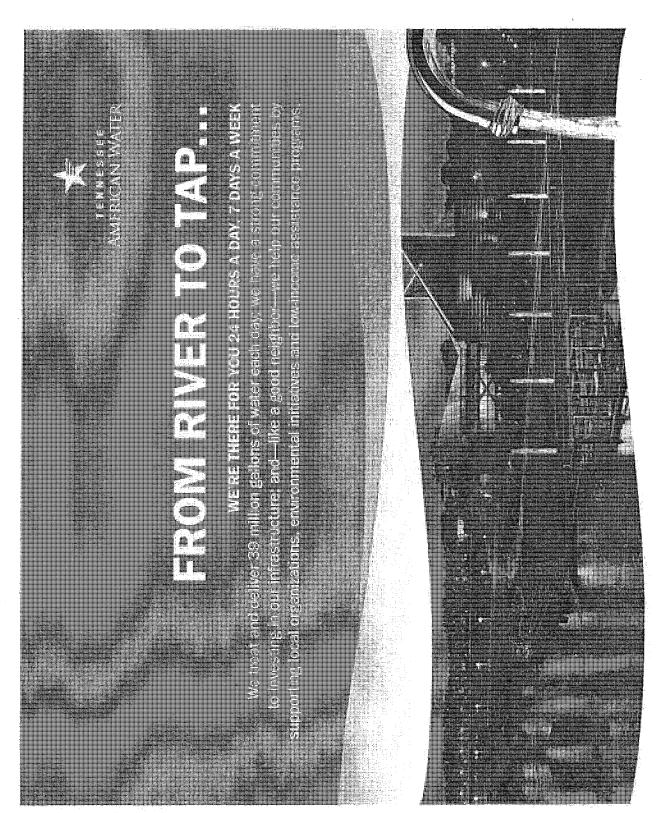
Invoice Chaitanooga Metropolitan Airport Authority 1001 Airport Road Involce # Date Suite 14 11/30/2009 Chattanooga, TN 37421 Ship To Bill To TENNESSEE AMERICAN WATER COMPANY P.O. BOX 6338 CHATTANOOGA, TN 37401 attn: Kim Dalton Via F.O.B. Project P.O. Number Terms Rep Ship 11/30/2009 Price Each Amount llem Çode Description Quantity Quarterly advertising hilling - November 09 thru-January 2010. 1 ADVERTISING 2,400.00 2,400.00 Vendor# 50/33950 #2400,00 260221. 5750301 16 - TG13 12/9/09 FECEIVED DEC 11 2009 SSIC-MAILROCM Total \$2,400,00

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St	001 Airport Road uite 14 hattanooga, TN 374	21	\$	50133 2400.0	Ų	c Z	Date 3/31/2009)	Invoice # 8880
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Quantity	Item Code	اجتنت جينون		Description	ا	Price E	ach	Amount
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						Total		\$2,400.00

Chattanooga Metropolitan Airport Authority 50133950 Invoice 1001 Airport Road Date invoice # Suite 14 5/31/2009 8490 Chattanooga, TN 37421 NSX Ship To Bill To TENNESSEE AMERICAN WATER COMPANY
P.O. BOX 6338
CHATTANOOGA, TN 37401 PJO SPECTAL
attn: Kim Dalton Received JUN-1 2 2009 SSC-Mailroom F.O.B. Project Via P.O. Number Terms Rep Ship 5/31/2009 Description Price Each Amount Quantity Item Code 2,400.00 2,400.00 Quarterly advertising billing - May thru July 1 ADVERTISING 260221.575030.16 TG13 **Total** \$2,400.00

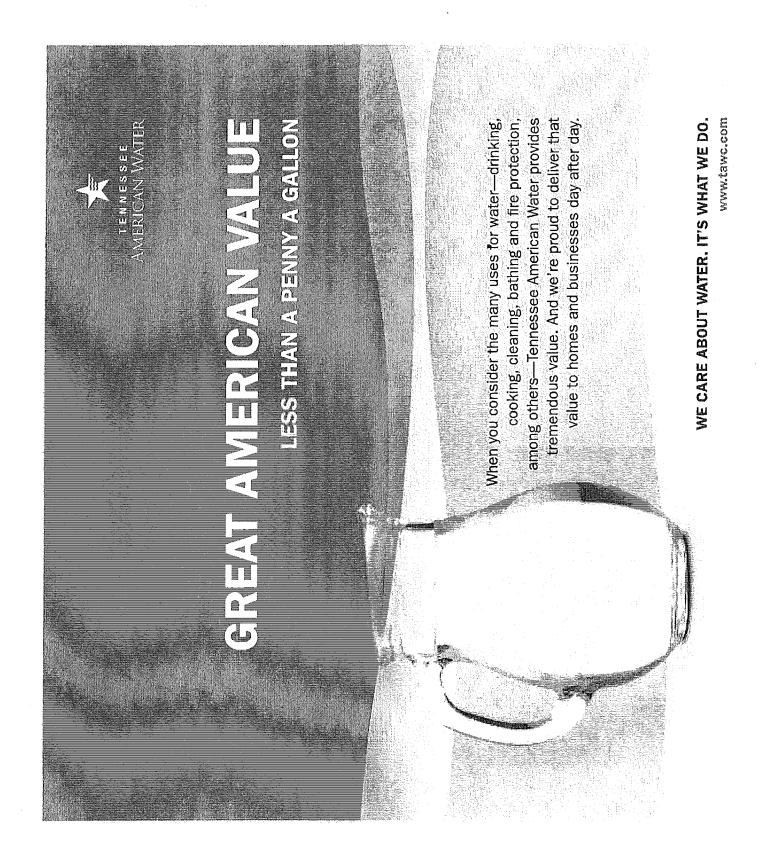


WE CARE ABOUT WATER. IT'S WHAT WE DO.



WE CARE ABOUT WATER, IT'S WHAT WE DO.

WWW.tawc.com



IN Stitutional

The Chattanoogan.Com, LLC 50077083
P.O. Box 2331

Invoice

Date Invoice # (70355)

Chattanooga, TN 37409

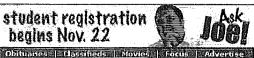
Bill To
Tennessec American Water Co
P. O. Box 5608
Cherry Hill, NJ 08034

080.00 # 480.00

AZLOPOC P.O. No. Terms Due on receipt Quantity Amount Description Rate Item Standard Banner Ad March 28, 2009 - March 27, 2010 980.00 980,00 RECEIVED MAR 3 0 2009 SSC-MAILIROOM Thank you for advertising with us. **Total** \$980.00 Phone # Fax# 1-423-266-2325 1-706-820-1243



New student registration begins Nov. 22



Chattanooga's source for breaking local news News | Opinion | Sports | Happenings

Obituaries

Amos Edward Wright Army Veteran Worked For **DuPont For 37 Years**

Amos Edward Wright, 82, of Chattanooga, Tennessee, died on Monday, November 8, 2010 at Cumberland Medical Center in Crossville, Tennessee. He was a veteran of the United States Army and was an avid fisherman and UT Vols fan. Amos retired from DuPont after 37 years of service. He was the son of the late Edward James Wright and Nola Beatrice Wright and was preceded in death by his wife, Carolyn ...

Click here for more

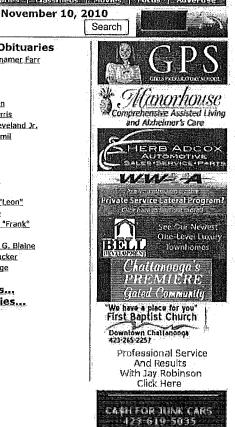
Mary Elizabeth Rice Retired From Winn Dixie Corporation

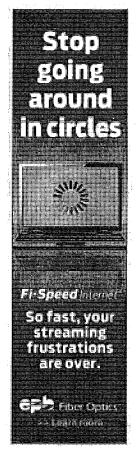
Mary Elizabeth Rice, 69, Chattanooga, died on Monday, Nov. 9, 2010, at her residence. She retired from Winn Dixie Corporation and was of the Baptist faith. She was preceded in death by her husband, Herbert Monroe Rice; parents, Thomas Paul Henry and Minnie Bell Youngblood; two sisters, Peggy Toelke and Judy Colvert. She is survived by her sons, Herbert and special daughterin-law, Rhonda ...

Other Local Obituaries

- * Counts, Ann Kennamer Farr
- Dean, Lucy
- "Edmonds, J.E.
- Foust, Gregory
- "Hamili, Betty Ellen
- " Hart, Emily L. Harris
- * Jones, Grover Cleveland Jr.
- " Juntunen, John Emil
- Maier, Emma
- McGhee, Michael
- Nunn, Edward
- Patton, Belton G.
- Rogers, Earl L. " Shipley, Richard "Leon"
- Smith, Albert Lee
- Stewart, Franklin "Frank"
- Watkins, Edward
- Wimberly, James G. Blaine
- Wynne, Doris Thacker Young, Jeane Ridge

All Obituaries... Area Obituaries...





Click here for more

Are you postmanapnusal and losing your Sexual Desire?

Find out About This Sexual Desire Research Study for Postmenopausal Women. It's a clinical research study evaluating a non-normonal

Area Obituaries

- Crawley, Geraldine Rose Burchard (Graysville)
- Whaley, Glenda Sue (Decatur)
- Sands, Margaret G. (Dayton)
- Blackton, Paul John (Dalton)
- Minton, Susan Diane Vaughan (Lafayette)
- Bates, Georgia "Doc" Duvell (Benton)
- Rogers, Samuel "Sammy" James (Benton)
- Gallagher, Dorothy Lee "Dottie" (Pikeville)
- Fields, Clarice (Pikeville)
- Mahan, Nobel C. (Waleska, Ga.)
- Leininger, Daniel Earl (Rocky Face)
- Wheat, Dorls J. Daley (Cohutta)
- McGuire, James Paul (Cleveland)
- O'Nelli, Dawn M. (Cleveland)
- Montgomery, Blily Randy (Dayton)
- Harvey, Robert Darwin "Little Man" (Graysville)
- McCarver, David J. (Dunlap)
- Ware, Jeffery Bradford (Lindale, Ga.)

Breaking News

- Judge Sets \$100,000 Bond For Man Charged With Death Of Motorcyclist
- City Council To Tighten Code On Private Wrecker Charges
- Police Search For Air Conditioning Units Thieves

Sports

- Friday Night Lights: McCallie-Baylor
- Lady Flames Soccer Seeks Third Consecutive National Title
- Lee Volleyball Takes No. 1 Ranking Into Tournament Play

Happenings

- No Room At Market Street Bridge For Fall, Winter Statues
- Serial Killers, Serious Shift And Sufjan Stevens
- Hospice Of Chattanooga Offers Fifth Annual Hollday Hearts Event



December

Memorial Sports Medicine

inspired medicine





50342407

INVOICE

\$995.00

MX

Date: March 16, 2009) INVOICE # CM 4306

. TO

Kim Dalton Tennessee American Water Company PO Box 6338 Chattanooga, TN 37401

Kim Dalton A26 SPECOH

Salesperson	Insertion No.	Delivery Date	Payment Terms	Due Date
Sally Cole	1 of 1	03/16/2009	Net 30	04/15/2009

•	Name	Description	Oly.	Unit Price	Discount	Total .
	ВС	Full page 4/color BC ad March/April 2009	1	\$995.00		\$995,00
	M. Balladi, and a second of the second or second of the se	The state of the s		Total Discount:	\$0.00	

260221.575030.16

TJ29

Subtotal:

Sales Tax:

\$995.00

Total:

\$995.00

Thank you for your business! Please put Invoice No. on check to insure proper credit.

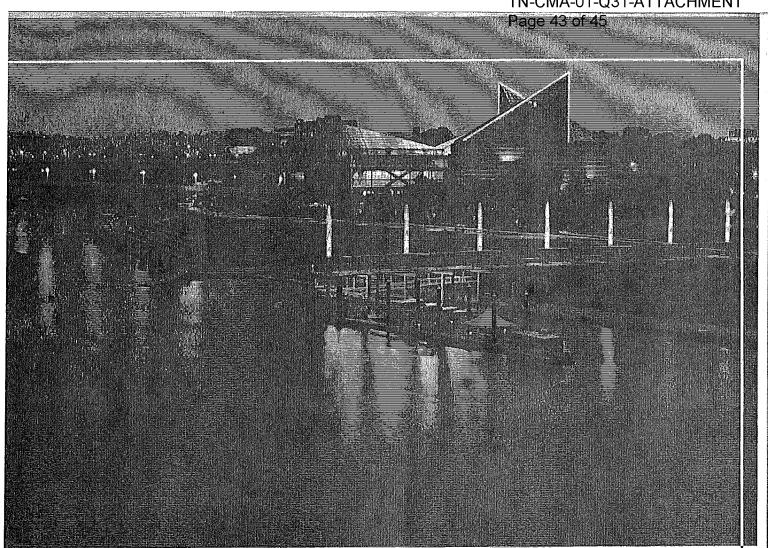
Make all checks payable to Chattenooga Magazine 6131 Airways Blvd, Chattanooga, TN 37421

Phone 423-892-1328 Fax 423-648-7748

RECEIVED

MAR 2 5 2009

SSC-MAILROOM



Water Quality is Essential.

It's easy to take water for granted. And because so many do, we don't. In Tennessee, we know that water is a precious natural resource, and we continually strive to find new and better ways to treat and deliver water to our customers.

The Tennessee River belongs to us all. Ensuring that Tennessee American Water continues to provide quality water is our number one goal. We care about water. It's what we do. Visit us at www.tawc.com



Page 44 of 45

CMC Publications, LLC 26004298

dba CityScope, HeathScope and Business Trend Magazine PO Box 4482 Chattanooga, TN 37405 Invoice

Date	Invoice #
11/14/2009	3319

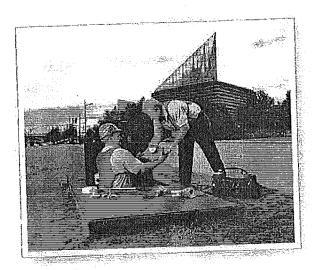
Bill To

Tennessee American Waters
Kim Dalton
PO Box 6338
Chattanooga, TN 37401

P.O. No. Terms Project Net 15 Quantity Description Rate Amount 1 Full Page Ad Placement in the Chattanooga Area Chamber of 2,200.00 2,200,00 Commerce Business to Business Directory 260221.575030.16 TJ29 RECEIVED NOV 1 9 2009 SSC-MAILRODM Thank you for advertising in the Chattanooga Area Chamber of Commerce Business to **Total** Business Directory. \$2,200.00 Fax# E-mail Web Site .. Phone # 423-266-3440 423-266-9440 emullinix@sceniccitymags.com cityscopemag.com

FROM THE RIVER TO YOUR TAP





You may not see all that's involved to provide your water service.

Like the pumping and filtration systems that collect and treat water from the Tennessee River...

Or the 1,300-miles of water pipelines that deliver high-quality, reliable water service to your home and business for less than a penny a gallon...

Or the water quality professionals that perform hundreds of tests every $\ensuremath{\mathsf{day}}\xspace...$

Or the facilities needed to protect your home or business in the event of a fire...

What you do see is reliable water service 24 hours a day, whenever you turn on your tap!

If you have any questions or need additional information call: Kim Dalton at (423) 755-7613 or email her at Kim.Dalton@amwater.com www.tennesseeamwater.com



Not paid for at customer expense.

WE CARE ABOUT WATER. IT'S WHAT WE DO.

TENNESSEE AMERICAN WATER COMPANY
DOCKET NO. 10-00189
FIRST SET OF DATA REQUESTS OF THE
CHATTANOOGA MANUFACTURERS ASSOCIATION

Responsible Witness: John Watson/Michael A. Miller

Question:

32. Please provide a tabulation relative to the Company for each type of advertising and cost for the test year and the past two years by the Company and/or on behalf of the Company by AWW, TAWC or any American Water Affiliate, identifying the bases for any statements implying that the Company's "customer" or "ratepayer" is not paying for advertising campaigns, specifically including, but not limited to, a detailed explanation of such claims relative to: (a) radio advertising over 2009 and 2010 in the Chattanooga SMSA; (b) any other radio advertising; (c) full-page, half-page, quarter-page or other advertisements in the Chattanooga Times Free Press; (d) advertising in periodicals 2009 and 2010 in the Chattanooga SMSA; (e) any outside vendors paid for such services or advertising; and (f) the removal or change in said advertisement as to whom is paying for the advertisement. Please include all memoranda, correspondence and communications relative to that advertising and cost.

Response:

The Company objects to this request on the grounds that the requested information is not relevant nor reasonably calculated to lead to the discovery of admissible evidence, and is overly broad, unduly burdensome, vague and ambiguous. Without waiving these objections, the advertising campaigns referenced above were paid by AWW, not allocated or charged to TAWC and were not included in the revenue requirement in this case. Any advertising expense of AWWSC was also eliminated from this case, see the working papers provided in response to TN-TRA-01-Q013, identified as TRA-01-Q013-MANAGEMENT FEES, pages 1 and 11 of 12, wherein advertising expense was eliminated from management fees for the historical test year.

TENNESSEE AMERICAN WATER COMPANY DOCKET NO. 10-00189 FIRST SET OF DATA REQUESTS OF THE CHATTANOOGA MANUFACTURERS ASSOCIATION

Responsible Witness: Michael A. Miller

Question:

- 33. Concerning the Company's development of cash working capital included in rate base, please provide the following:
 - a. A description of the purpose of including cash working capital in rate base.
 - b. Identify all previous Tennessee Regulatory Authority precedent for developing cash working capital in the manner proposed by the Company in this proceeding.
 - c. Please describe the purpose of a lead-lag study in estimating an appropriate amount of cash working capital for regulated utility operations.
 - d. Please provide a comparison of Tennessee-American's method for estimating an appropriate amount of cash working capital for Tennessee operations relative to the methodology used by affiliated AWW water utilities in other jurisdictions.

Response:

- a. Working cash represents the capital invested by the Company as generated by the lead/lag from the time revenue is generated until collected, and time expenses are incurred until they are paid. These timing differences are embedded in the capital structure of the Company. The purpose of including working cash in rate base is to appropriately recognize in rate base working cash so that the Company can recover the appropriate cost of that invested capital in rates.
- b. The Company objects to this request as being overly broad and unduly burdensome, and requires research that can be performed by the CMA. Without waiving these objections, the Company has performed a lead/lag study for this case and has determined its working cash consistently with the approach approved by the TRA in docket number 08-00039.

- c. The purpose is to determine the amount of days the Company has the use of revenue for expenses until the day the expense is paid for (lag) and the time between when revenue is recorded and when the cash from that revenue is received. The lead/lag days are then applied to the appropriate cost of service elements to determine the appropriate working cash requirement to include in rate base.
- d. The Company objects to this question on the grounds that the request is overly broad, unduly burdensome, requires research that can be performed by the CMA, and requests information not in the possession of TAWC in the format requested. Without waiving these objections, in rate cases filed this year for the regulated subsidiaries of AWW in the states of Virginia, West Virginia, and Kentucky, the working cash was prepared from a lead/lag study using the same methodologies as used in the TAWC lead/lag study. Mr. Miller has not researched the lead/lag studies filed in other jurisdictions for other AWW regulated subsidiaries.

TENNESSEE AMERICAN WATER COMPANY
DOCKET NO. 10-00189
FIRST SET OF DATA REQUESTS OF THE
CHATTANOOGA MANUFACTURERS ASSOCIATION

Responsible Witness: Michael A. Miller

Question:

34. Please provide complete copies of any and all documents (in native format, where applicable) referred to or relied upon in responding to any and all of CMA's, the City of Chattanooga (the "City), the Tennessee Attorney General's Consumer Advocate and Protection Division (the "CAPD"), the Tennessee Regulatory Authority Staff's and/or any other person or entity's discovery and data requests in this proceeding, and or in complying with the TRA's Minimum Filing Guidelines.

Response:

The Company objects to this request on the grounds that it is vague and ambiguous, overly broad and seeks information that is neither relevant nor reasonably calculated to lead to the discovery of admissible evidence. The Company further objects to the extent the request seeks privileged or work product documents. Without waiving these objections, the Company refers the CRMA to the documents produced by the Company to the TRA and intervenors in this matter.

BEFORE THE TENNESSEE REGULATORY AUTHORITY **NASHVILLE, TENNESSEE**

PETITION OF TENNESSEE AMERICAN)	
WATER COMPANY TO CHANGE AND)	
INCREASE CERTAIN RATES AND)	•
CHARGES SO AS TO PERMIT IT TO)	DOCKET NO. 10-00189
EARN A FAIR AND ADEQUATE)	
RATE OF RETURN ON ITS PROPERTY)	
USED AND USEFUL IN FURNISHING)	
WATER SERVICE TO ITS CUSTOMERS)	•
	•	•

AFFIDAVIT

STATE OF WEST VIRGINIA

COUNTY OF KANAWHA

I, MICHAEL A. MILLER, Treasurer/Comptroller for Tennessee American Water Company, do hereby certify that the foregoing responses to the Supplemental Data Requests to the Chattanooga Regional Manufacturer's Association were prepared by me or under my supervision and are true and accurate to the best of my knowledge and information.

DATED this 30⁷⁴ day of November, 2010.

Michael 4. Miller (printed name)

Sworn to and subscribed before me this <u>3071</u> day of November, 2010.

My Commission Expires:

Typtember 7, 2019

OFFICIAL SEAL STATE OF WEST VIRGINIA

CERTIFICATE OF SERVICE

I hereby certify that a true and correct copy of the foregoing has been served via the method(s) indicated, on this the 1st day of December, 2010, upon the following:

[x] Hand-Delivery[] U.S. Mail[] Facsimile[] Overnight[x] Email	T. Jay Warner, Esq. Ryan McGehee, Esq. Mary L. White, Esq. Counsel for the Consumer Advocate and Protection Division Office of the Attorney General P.O. Box 20207 Nashville, TN 37202
[] Hand-Delivery[] U.S. Mail[] Facsimile[x] Overnight[x] Email	David C. Higney, Esq. Counsel for Chattanooga Regional Manufacturers Association Grant, Konvalinka & Harrison, P.C. 633 Chestnut Street, 9th Floor Chattanooga, TN 37450
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[] Hand-Delivery[] U.S. Mail[] Facsimile[x] Overnight[x] Email	Michael A. McMahan, Esq. Valerie L. Malueg, Esq. Special Counsel City of Chattanooga (Hamilton County) Office of the City Attorney 100 East 11 th Street, Suite 200 Chattanooga, TN 37402
[] Hand-Delivery[] U.S. Mail[] Facsimile[x] Overnight[x] Email	Frederick L. Hitchcock, Esq. Harold L. North, Jr., Esq. Counsel for City of Chattanooga Chambliss, Bahner & Stophel, P.C. 1000 Tallan Building Two Union Square Chattanooga, TN 37402
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