IN THE TENNESSEE PUBLIC UTILITY COMMISSION AT NASHVILLE, TENNESSEE

IN RE:)
CHATTANOOGA GAS COMPANY'S PETITION FOR APPROVAL OF ITS 2024 ANNUAL RATE REVIEW FILING PURSUANT TO TENN. CODE ANN. § 65-5-103(d)(6))) DOCKET NO. 25-00028))
DIRECT TI	ESTIMONY
O	F
CLARK 1	D. KAML

June 16, 2025

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I. INTRODUCTION

- 2 Q1. PLEASE STATE YOUR NAME, BUSINESS ADDRESS AND
- 3 OCCUPATION FOR THE RECORD.
- 4 A1. My name is Clark Kaml. My business address is the Office of the Tennessee
- 5 Attorney General, John Sevier State Office Building, 500 Dr. Martin L. King Jr.
- Blvd, Nashville, Tennessee 37243. I am a Financial Analyst employed by the
- 7 Consumer Advocate Division in the Office of the Tennessee Attorney General (the
- 8 "Consumer Advocate").

- 9 Q2. PLEASE PROVIDE A SUMMARY OF YOUR BACKGROUND AND
 10 PROFESSIONAL EXPERIENCE.
- 11 A2. I received a Bachelor of Science Degree in Economics from the University of North
- Dakota in 1987 and a Master of Arts Degree in Economics from the University of
- North Dakota in 1988. I have more than 30 years of experience working in the
- regulated utilities industries including electric, natural gas, telephone, and water. I
- have worked for various agencies including the Public Service Commission of
- North Dakota, the Kansas Corporation Commission, the Minnesota Public Utilities
- 17 Commission, the Minnesota Office of the Attorney General, and the Grant County
- Public Utility District. In addition, I have worked with private companies,
- municipalities, and served on a Rate Committee. In addition, I have worked with
- private companies, municipalities, and served on a Rate Committee. I served as
- 21 Co-Chair of the National Association of State Utility Commissioners ("NARUC")
- 22 Staff Subcommittee on Strategic Issues, and Co-Chair of the National Association
- of State Utility Consumer Advocates ("NASUCA") Gas Committee.

- 1 Q3. HAVE YOU PREVIOUSLY PROVIDED TESTIMONY BEFORE THE
- 2 TENNESSEE PUBLIC UTILITY COMMISSION ("TPUC" OR THE
- 3 "COMMISSION")?
- 4 A3. Yes. I filed testimony in the Tennessee-American Water Company's recent rate
- 5 case, TPUC Docket No. 24-00032 and the Limestone Water Utility Operating
- 6 Company's recent rate case, TPUC Docket No. 24-00044.

7 Q4. ON WHOSE BEHALF ARE YOU TESTIFYING?

8 A4. I am testifying on behalf of the Consumer Advocate Division.

9 Q5. WHAT IS THE PURPOSE OF YOUR TESTIMONY?

- 10 A5. My testimony will discuss the Consumer Advocate's review and recommendations
- with respect to the Annual Petition filed by Chattanooga Gas Company ("CGC" or
- the "Company") to adjust its rates and charges. Specifically, I have reviewed and
- will provide recommendations regarding:
- a. Revenue;
- b. Rate Base; and
- 16 c. Rate Design.

17 O6. WHAT DOCUMENTS HAVE YOU REVIEWED IN PREPARATION OF

18 YOUR TESTIMONY?

- 19 A6. I have reviewed the Company's Pre-Filed Testimony along with the exhibits and
- workpapers filed with the Company's Petition. Additionally, I have reviewed the
- 21 Company's discovery responses to the Consumer Advocate's discovery requests
- issued and filed in this Docket.

II. EXECUTIVE SUMMARYAND RECOMMENDATIONS

2 O7. WHAT ARE YOUR RECOMMENDATIONS?

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- 3 A7. First, I would like to note that this Petition is CGC's sixth Annual Review
- 4 Mechanism ("ARM") filing. My recommendations and findings regarding the
- 5 Company's ARM filing include the following:
- The current proposed increase includes a \$1,977,776 carryover from CGC's 2024 ARM filing, in TPUC Docket No. 24-00024.
 - The \$6,800,000 rate cap on the annual increase expired and does not apply to this Petition.
 - That the Commission takes note of the change in the rate class percentage of contribution to total revenue.

III. CGC ARM PROPOSAL AND RESULTS

- 13 O8. CAN YOU PROVIDE A BRIEF DISCUSSION OF THE OVERALL
- 14 PURPOSE OF THE ARM?
- 15 A8. In general, an alternative ratemaking mechanism is intended to provide a more
- streamlined option to traditional cost of service ratemaking processes while
- meeting traditional regulatory objectives of just and reasonable rates. Some general
- thoughts are that an alternative ratemaking mechanism can be less burdensome and
- 19 costly than traditional rate regulation and enable a company to be more responsive
- to changing goals and needs of the company and community.
- 21 Q9. HOW DOES CGC'S ARM MEET THE GOALS OF BEING LESS
- **BURDENSOME AND COSTLY?**
- 23 A9. The ARM design used by CGC was agreed to in a stipulation and settlement among
- 24 the Consumer Advocate, the Company, Commission Staff as a Party, and the
- 25 Chattanooga Regional Manufacturers' Association in TPUC Docket No. 19-

- 1 00047.¹ As designed, the ARM allows the Company to annually adjust its revenue 2 requirement and revenue recovery, subject to certain formulas and criteria, outside
- 3 of a traditional rate case proceeding.

4 O10. HOW MUCH OF A RATE ADJUSTMENT IS THE COMPANY

5 REQUESTING IN THIS DOCKET?

- 6 A10. In the instant Petition, the Company has requested a revenue adjustment of \$3,976,804.²
- 8 Q11. HOW IS THE COMPANY'S \$3,976,804 RATE ADJUSTMENT

9 **CALCULATED?**

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10 A11. The Company's proposed rate adjustment calculation is presented in CGC's

File2025-04-18 CGC Weems Exhibit TW-1.xlsx>, Schedule 1 and reproduced

below in Table 1 below. Table 1 demonstrates that for 2024, CGC had an earned

return of 4.77 percent, representing a revenue deficiency of \$9,727,452. After

normalizing the 2024 period, CGC's earned return is 8.70 percent. The net results

in an annual true up revenue requirement of \$3,976,804.3 See Table 1 below:

[Intentionally Blank, Table on Next Page]

Stipulation and Settlement Agreement by and Among Chattanooga Gas Company, the Consumer Advocate Unit of the Attorney General, the Chattanooga Regional Manufacturer's Association, and Party Staff, TPUC Docket No. 19-00047 (July 26, 2019).

² Direct Testimony of Tiffani Weems at 2:11-13.

³ *Id.* at Exhibit TW-1, Schedule 1, ln 16 (pdf p. 16 of 455).

	Table 1 – Revenue Deficiency Calculation								
Description	Adopted Docket 18-00017	Prior Year Adopted Docket 24-00024	Historic Base Period with Rate Making. Adjustments	Historic Base Period Normalized	Annual True- Up Revenue Requirement Rate Adjustment				
Rate Base	\$149,739,716	\$275,722,898	\$308,037,896	\$301,885,463	\$305,624,279				
Operating Income	\$9,625,826	\$13,109,135	\$14,704,247	\$26,256,370	\$18,801,145				
Earned Return	6.43%	4.75%	4.77%	8.70%	6.15%				
Fair Rate of Return	7.12%	7.12%	7.12%	7.12%	7.12%				
Required Operating Income	\$10,657,876	\$19,624,856	\$21,924,908	\$21,487,003	\$21,753,117				
Operating Income Deficiency	\$1,032,050	\$6,515,720	\$7,220,662	-\$4,769,367	\$2,951,971				
Gross Revenue Conversion Factor	1.347169	1.347169	1.347169	1.347169	1.347169				
Revenue Deficiency	\$1,390,345	\$8,777,776	\$9,727,452	-\$6,425,143	\$3,976,804				

2 Q12. IS THE CALCULATION CONSISTENT WITH THE METHOD UTILIZED

3 IN PREVIOUS FILINGS?

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4 A12. Yes. The formula in Table 1 above is the same formula used in the previous ARM filings and is calculated in accordance with the methodologies and terms from the Commission Order in TPUC Docket No. 19-00047.4

7 Q13. HOW DOES THE REQUEST IN THIS PROCEEDING COMPARE WITH 8 THE REQUEST IN PREVIOUS DOCKETS?

9 A13. Table 2 below is a summary of the current ARM proposal along with the revenue 10 deficiency calculations in previous filings:

Table 2 – Prior ARM Approvals							
Docket Number	Approved Increase	Rate Cap	Carry Over				
20-00049	\$4,758,576						
21-00048	\$11,545,439	\$6,800,000	\$4,745,439				
22-00032	\$7,911,764	\$6,800,000	\$1,111,764				
23-00029	\$11,936,563	\$6,800,000	\$5,136,563				
24-00024	\$8,777,776	\$6,800,000	\$1,977,776				

⁴ Order Approving Settlement Agreement, In re: Petition of Chattanooga Gas Company to Opt into an Annual Review of Rates Mechanism Pursuant to § 65-5-103(d)(6), TPUC Docket No. 19-00047 (October 7, 2019).

1 Q14. IN PREVIOUS YEARS, DID THE RATE INCREASES MATCH THE

DEFICIENCIES?

- 3 A14. They did not. As part of its April 20, 2021, filing in TPUC Docket No. 21-00048,
- 4 CGC offered to "voluntarily and temporarily limit the total rate increase for any
- 5 year over the next four years to a maximum amount of \$6.8 million." The revenue
- 6 deficiencies in each of the last four years exceeded the cap, the differences are
- 7 identified in the above Table 1 above in the column titled Carry Over.

8 Q15. WILL THE RATE INCREASE FOR THIS DOCKET BE SUBJECT TO THE

9 SAME RATE INCREASE CAP?

- 10 A15. No. The rates in this Docket are not subject to the cap. Last year's 2024 docket,
- reviewing 2023 revenue requirements, was the fourth and last year subject to the
- voluntary rate cap. The number of years that the rate cap was in effect does not
- coincide with ARM sequence because the rate cap was approved the year after
- 14 CGC's ARM mechanism was approved.

15 Q16. HOW WERE THE DIFFERENCES BETWEEN THE APPROVED

16 INCREASES AND THE RATE CAP TREATED?

- 17 A16. The amount over \$6.8 million was carried over to the next year. This Petition
- includes the carryover of \$1,977,776 from the ARM docket in 2024.

19 Q17. IS THERE A CARRYING COST ASSOICATED WITH THE

DEFICIENCY?

⁵ Order Approving Settlement Agreement on Chattanooga Gas Company's 2020 Annual Rate Review Filing Pursuant to Tenn. Code Ann. § 65-5-103(d)(6), p. 14, TPUC Docket No. 21-00048 (November 1, 2021).

- 1 A17. Yes. The Direct Testimony of Tiffani Weems noted that with the carrying cost, the
 2 total deficiency balance is \$10,123,374.6 The final deficiency balance implies a
 3 carrying cost of \$395,922 (\$10,123,374 \$9,727,452).7
- 4 Q18. DO YOU HAVE ANY COMMENTS REGARDING THE CARRYING 5 COSTS?
- A18. The actual carrying cost is unclear. Schedule 1 in Exhibit TW-1, CGC indicates a

 Revenue Deficiency of \$9,727,452 without carrying costs.⁸ As noted above, the

 implied carrying cost is \$395,922. The carrying cost is directly computed on

 Schedule 29 in Exhibit TW-1 and reproduced below on Table 3. As demonstrated

 in Table 3, before accounting for taxes, the carrying charge is \$256,969.⁹ The

 product of applying the Tax Gross Up Factor to the carrying cost is \$347,890 while

 the implied carrying cost using Schedule 1 is \$395,923, a difference of \$48,033.

Table 3 -Carrying	Cost				
Description		estoric Base Period with ate Making djustments	S		
Operating Income Deficiency (Excess)	\$	7,220,662	\$	7,220,662	a/
Carrying Charge			\$	256,969	b/
Historic Period Earnings Deficiency Plus Carrying Charges			\$	7,477,631	c/
Gross Revenue Conversion Factor		1.347168975			
Revenue Deficiency w/o carrying cost, Schedule 1	\$	9,727,452			
Tax Gross Up Factor				1.35382116	
Revenue Deficiency with carrying	\$	10,123,375	\$	10,123,375	
Implied Carrying Cost	\$	395,923			
Carrying Multiplied by Tax Gross Up Factor			\$	347,890	
Carrying Cost Variance	\$	48,033			
a/ Schedule 29, ln 30					
b/ Schedule 29, ln 35					
c/ Schedule 29, ln 36					

⁶ Direct Testimony of Tiffani Weems at 10:1-2.

⁷ *Id.* at 9:22 - 10:2.

⁸ *Id.* at Exhibit 1, Schedule 1, ln 16 (pdf p. 16 of 455).

⁹ *Id.* at Exhibit 1, Schedule 29 (pdf p. 448 of 455).

1 Q19. IS THERE AN EXPLANATION FOR THE DIFFERENCE IN THE

2 CARRYING COST CALCUATIONS?

- 3 A19. Yes. The revenue conversion applied in Schedule 1 includes Forfeited Discounts
- 4 (Late Payments) and an Uncollectable adjustment, produces gross revenue
- 5 conversion factor (1.347168975)¹⁰ that is slightly less than the Tax Gross up Factor
- 6 (1.35382116).¹¹ Therefore, it appears that the revenue deficiency from Schedule 1
- 7 may be understated by \$48,033.

8 Q20. DOES THE DIFFERENCE IN CARRYING COST IMPACT THE FINAL

9 **REVENUE DIFICIENCY?**

- 10 A20. It does not. The ARM is self-correcting. In each filing, the historic base year has
- rate making adjustments to account for deficiencies or overages. In addition, CGC
- followed the ARM calculations from TPUC Docket No. 19-00047, thus, there is no
- 13 adjustment to be made.

14 Q21. HAVE YOU REVIEWED THE CALCULATIONS SUPPORTING THE

- 15 **ARM FILING?**
- 16 A21. Yes, I have.

17 Q22. WHAT WERE THE RESULTS OF YOUR REVIEW?

- 18 A22. The primary driver for the revenue requirement change is the Rate Base increase of
- \$29.9 million. The Rate Base change results in a \$2.128 million increase required
- 20 operating income and contributed \$3.56 million to the deficiency.

Direct Testimony of Tiffani Weems. at Exhibit 1, Schedule 1, ln 14, col C (pdf p. 16 of 455) and Schedule 12, ln 20 (pdf p. 40 of 455).

¹¹ *Id.* at Exhibit 1, Schedule 29, ln 37 (pdf p. 448 of 455).

Overall, the Company's filing reflected the actual revenues, expenses, and net investments recorded on the Company's books and ledgers.

Table 4-Revenue Deficiency Comparision					
Description	CG	CGC ARM Filing			
Rate Base	\$	305,624,279			
Operating Income	\$	18,801,145			
Earned Return		6.15%			
Fair Rate of Return		7.12%			
Required Operating Income	\$	21,753,117			
Operating Income Deficiency (Excess)	\$	2,951,971			
Gross Revenue Conversion Factor		1.347168975			
Revenue Deficiency (Surplus)	\$	3,976,804			

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Consumer Advocate witness David Dittemore has proposed certain adjustments to

CGC's expenses and rate base. At the time of this testimony, the net operating loss
adjustment is not completed. Once the adjustment is known, it will be incorporated
into a revenue requirement schedule and presented to the Commission.

IV. CONSUMER ADVOCATE'S PROPOSED RATE DESIGN FOR THE ARM REVENUE DEFICIENCY

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- 11 Q23. WHAT IS THE PROPOSED RATE INCREASE?
- 12 A23. The total proposed rate increase is \$3,976,804.¹² This is approximately a 5.9 percent¹³ rate increase.
- 14 Q24. HOW HAS THE COMPANY PROPOSED TO ALLOCATE AND
 15 RECOVER THE \$3,976,804 REVENUE DEFICIENCY TO THE VARIOUS
 16 CUSTOMER CLASSES?
- 17 A24. For customers taking service at tariff rates, CGC is proposing to increase rates to

Direct Testimony of Ashley Vette at 2:19.

¹³ *Id.* at 3:16-17.

each Rate Schedule on an equal percentage. 14 The Company has two customers
with Commission-approved Special Contracts; Kordsa, Inc, and Volkswagen
("VW"). For these customers, CGC proposes rates based on the contracts with
those customers. The Kordsa, Inc. contract limits the rate increase to 5 percent. 15
CGC stated that the Special Contract with Volkswagen was part of a package of
incentives offered by the State of Tennessee and local government officials to have
VW relocate to Tennessee. The Company is proposing no rate increase for VW. 16

8 Q25. DO THE PROPOSED RATE ALLOCATIONS TO THE CONTRACT 9 CUSTOMERS AFFECT OTHER CUSTOMERS?

10 A25. The five percent limit on any increase in Kordsa, Inc. rates reduce the allocation by

\$1,579. This represents approximately 0.039 percent of the total revenue increase.

12 Q26. WHAT IS THE PROPOSED RATE INCREASE TO TARIFFED RATES?

A26. Ms. Vette noted in her testimony that the tariff rates will increase approximately
5.9 percent.¹⁷ The specific impacts are calculated in Exhibit TW-1, Schedule 17.1.
The Company's proposed allocation of the revenue deficiency is presented below in Table 5:

[Intentionally Blank, Table on Next Page]

Id. at 2:21-23.

Direct Testimony of Ashley Vette at 3:1-3.

Id. at 3-7.

Id. at 3:16-17.

Table 5 - Company Proposed Revenue Allocation							
Rate Schedule	Normalized Revenue	Percent Increase	Revenue Increase	Normalized Revenue Plus Increase			
Residential (R-1)	\$30,825,936	5.90%	\$1,818,577	\$32,644,513			
Multi-Family (R-4)	\$55,322	5.90%	\$3,264	\$58,586			
Commercial (C-1)	\$6,959,736	5.90%	\$410,590	\$7,370,326			
Commercial (C-2)	\$17,797,820	5.90%	\$1,049,983	\$18,847,802			
Industrial (F-1/T-2)	\$5,175,422	5.90%	\$305,324	\$5,480,746			
Industrial (I-1)	\$0	5.90%	\$0	\$0			
Industrial (T-1)	\$1,966,886	5.90%	\$116,037	\$2,082,923			
Industrial (F-1/T-2/T-1)	\$2,582,833	5.90%	\$152,374	\$2,735,207			
Industrial (T-3)	\$1,896,511	5.90%	\$111,885	\$2,008,396			
Contract-VW		0.00%	\$0	\$0			
Contract-Kordsa	\$175,434	5.00%	\$8,772	\$184,206			
Total	\$67,435,901	5.90%	\$3,976,804	\$71,412,705			

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2 Q27. WHAT IS THE IMPACT ON RESIDENTIAL CUSTOMERS?

3 A27. CGC proposed the following rate changes:18

	Current		Proposed	
	Winter	Summer	Winter	Summer
Customer Charge	\$32.50	\$26.80	\$34.40	\$28.40
Volumetric Rate/Therm	\$0.22429		\$0.23750	

- 5 Ms. Vette stated in her testimony that the proposed rates will result in an average
- 6 monthly bill increase of \$2.43.19

Direct Testimony of Ashley Vette at 4:1.

¹⁹ *Id*.

- 1 V. REVENUE ALLOCATION AND RATE DESIGN
- 2 Q28. HAVE YOU COMPARED THE REVENUE RECOVERY ALLOCATION
- 3 RESULTING FROM THIS FILING WITH THOSE IN THE ORIGINAL
- 4 **ARM FILING?**
- 5 A28. Yes. The rate design and revenue contribution by class was reviewed from TPUC
- 6 Docket No. 18-00017 to the current proposal.²⁰
- 7 Q29. HAS THE PERCENTAGE OF REVENUE CONTRIBUTION BY
- 8 CUSTOMER CLASS REMAINED CONSISTANT IN THE ARM
- 9 FILLINGS?
- 10 A29. Generally, yes. As demonstrated in Table 6 below, there have been some changes
- in the percentage of revenue contributed by rate classes:

	Table 6 - Percent of Revenue by Class										
Rate Sechdule	Revenue Per Rate Schedule Docket 18-00017	% of Total by Rate Schedule	Normalized Revenue Plus Increase	% of Total by Rate Schedule	% of Revenue Drift	Revnue Represented by Drift	Absolute Value	Percent Change of the Revenue Allocation by Class			
Residential (R-1)	\$14,746,291.99	44.8%	\$32,644,513	45.7%	0.9%	\$647,444	\$647,444	1.98%			
Multi-Family (R-4)	\$28,579.00	0.1%	\$58,586	0.1%	0.0%	(\$3,426)	\$3,426	-5.85%			
Commercial (C-1)	\$3,648,000.60	11.1%	\$7,370,326	10.3%	-0.8%	(\$545,245)	\$545,245	-7.40%			
Commercial (C-2)	\$8,592,932.76	26.1%	\$18,847,802	26.4%	0.3%	\$202,528	\$202,528	1.07%			
Industrial (F-1/T-2)	\$2,114,123.66	6.4%	\$5,480,746	7.7%	1.3%	\$893,440	\$893,440	16.30%			
Industrial (I-1)	\$36,273.94	0.1%	\$0	0.0%	-0.1%	(\$78,709)	\$78,709				
Industrial (T-1)	\$1,082,153.11	3.3%	\$2,082,923	2.9%	-0.4%	(\$265,174)	\$265,174	-12.73%			
Industrial (F-1/T-2/T-1)	\$1,333,341.87	4.1%	\$2,735,207	3.8%	-0.2%	(\$157,929)	\$157,929	-5.77%			
Industrial (T-3)	\$1,329,836.64	4.0%	\$2,008,396	2.8%	-1.2%	(\$877,134)	\$877,134	-43.67%			
Special Contract			\$184,206	0.3%	0.3%	\$184,206	\$184,206				
Total Revenue	\$32,911,533.58	100.0%	\$71,412,705	100.0%			\$3,855,236				

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13 Q30. ARE THERE ANY CHANGES THAT STAND OUT?

14 A30. There are a few deviations that are interesting. Of the classes contributing to

Amended Order, In re: Petition of Chattanooga Gas Company for Approval of an Adjustment in Rates and Tariff, the Termination of the AUA Mechanism and the Related Tariff Changes and Revenue Deficiency Recovery; and an Annual Rate Review Mechanism, TPUC Docket No. 18-00017 (January 15, 2019).

- revenue in TPUC Docket No. 18-00017,²¹ and still contributing revenue, four of them have had their percentage of contribution to the total revenue change by 0.8 to 1.3 percent. As a percentage of total revenue, the numbers may not appear
- 4 significant. However, the rate change for the customer looks a little different.

5 Q31. HAVE THE CHANGES IN RATES BY CUSTOMER CLASS BEEN

6 CONSISTENT?

- 7 A31. Generally, the rate changes for classes have been consistent. The increase in tariffed rates from TPUC Docket No. 18-00017²² to those proposed in the instant
- 9 Docket varies from 100 to 114 percent:²³
- The customer charge for all classes was consistent at 1.038333 percent.
- Commodity charge increases varied between 102.5836 and 1.058564 percent.
- The most pronounced difference was the Demand Charge for Industrial Transport Customers (T-1), which increased 114 percent, while the demand charge for Commercial and other Industrial Customers increased 100 percent.

18 O32. DO YOU HAVE ANY COMMENTS REGARDING THE DIFFERENCES IN

19 THE RATE INCREASES?

- A32. As demonstrated above, the ARM filings have the potential to change rate design over time. To the extent that rate design is being altered, unintentionally or by
- design, such changes should be specifically identified in the petitions.

²¹ *Id*.

²² *Id*.

File <Exhibit CDK-1.xlsx> filed with this Testimony.

1 Q33. WHAT RATES DO YOU RECOMMEND?

- 2 A33. I recommend approval of the Company's proposal, as shown above in Table 5, and
- 3 that in future proceedings, the Company identify the proposed rate changes to each
- 4 specific rate and the percentage of impact that it will have on the customer classes.

5 Q34. DOES THIS COMPLETE YOUR TESTIMONY?

- 6 A34. Yes. However, I reserve the right to incorporate any new information that may
- 7 subsequently become available.

IN THE TENNESSEE PUBLIC UTILITY COMMISSION AT NASHVILLE, TENNESSEE

)) DOCKET NO. 25-00028)))
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f the Consumer Advocate Division of the
fy that the attached Direct Testimony
nced case and the opinion of the Consumer
CLARK D. KAML
STATE OF TENNESSEE NOTARY PUBLIC CAMAN COUNTS STOR EXPIRES

Exhibit CDK-1

		D	ocket	
		18-00017	<u>25-00028</u>	Change
Rate Schedule				
Residential (R-1)	Winter	\$14.00	\$28.40	102.86%
Residential (R-1)	Summer	\$17.00	\$34.40	102.35%
Residential (R-1)	Commodity	\$0.11591	\$0.23750	104.90%
Multi-Family (R-4)	Customer Charge	\$6.25	\$12.60	101.60%
Multi-Family (R-4)	Commodity Winter	\$0.23	\$0.44370	103.83%
Multi-Family (R-4)	Commodity Summer	\$0.19350	\$0.39441	103.83%
Multi-Family (R-4)	AC	\$0.03948	\$0.07998	102.58%
Commercial (C-1)	Winter	\$31.00	\$63.40	104.52%
Commercial (C-1)	Summer	\$26.00	\$54.80	110.77%
	Commodity Winter	\$0.185810	\$0.378090	103.48%
	Commodity Summer AC	\$0.145890 \$0.039480	\$0.296780 \$0.079980	103.43%
	AC	\$0.039480	\$0.079980	102.58%
Commercial (C-2)	Customer Charge	\$75.00000	\$152.90	103.87%
	First 3,000 Therms		4.02.0	
	Winter	\$0.187440	\$0.384380	105.07%
	Summer	\$0.147170	\$0.302000	105.20%
	Next 2,000 Therms			
	Winter	\$0.171090	\$0.350980	105.14%
	Summer	\$0.116830	\$0.240080	105.50%
	Over 10,000 Therms	00.466660	#0.244020	10.5.1.50/
	Winter Summer	\$0.166660	\$0.341920	105.16%
	Over 15,000 Therms	\$0.108920	\$0.223890	105.55%
	Winter	\$0.086230	\$0.177510	105.86%
	Summer	\$0.086230	\$0.177480	105.82%
	Demand Charge/Dth	\$6.35	\$12.70	100.00%
	AC	\$0.039480	\$0.079980	102.58%
		#200.00	DC11 50	402.020
Industrial (F-1/T-2)	Customer Charge	\$300.00	\$611.50	103.83%
	Demand Charge/Dth	\$6.35	\$12.70	100.00%
	Commodity Charge First 1,500 Dths Month	\$0.80640	\$1.64850	104.43%
	Next 2,500 Dths Month	\$0.68910	\$1.40077	103.28%
	Next 11,000 Dths Month	\$0.39080	\$0.79980	104.66%
	Over 15,000 Dths Month	\$0.24020	\$0.49380	105.58%
	,			
Industrial (I-1)	Customer Charge	\$300.00	\$611.50	103.83%
	Commodity Charge			
	First 1,500 Dths Month	\$0.80640	\$1.64850	104.43%
	Next 2,500 Dths Month	\$0.68910	\$1.40077 \$0.79980	103.28%
	Next 11,000 Dths Month Over 15,000 Dths Month	\$0.39080 \$0.24020	\$0.79980	104.66%
	Over 15,000 Dais Wollar	\$0.24020	\$0. 4 9360	105.5670
Industrial (T-1)	Customer Charge	\$300.00	\$611.50	103.83%
, ,	Demand Charge/Dth	\$1.35	\$2.90	114.81%
	Commodity Charge			
	First 1,500 Dths Month	\$0.80640	\$1.64850	104.43%
	Next 2,500 Dths Month	\$0.68910	\$1.40077	103.28%
	Next 11,000 Dths Month	\$0.39080	\$0.79980	104.66%
	Next 15,000 Dths Month	\$0.24020	\$0.49380	105.58%
Industrial (T-3)	Customer Charge Winter	\$75.00	\$152.90	103.87%
muustriai (1-5)	Demand Charge/DTH	\$6.35	\$12.70	100.00%
	Commodity Charge Winter	Ψ0.55	Ψ12.70	100.0070
	First 1,500 Dths Month	\$0.18744	\$0.38438	105.07%
	Next 2,500 Dths Month	\$0.17109	\$0.35098	105.14%
	Next 11,000 Dths Month	\$0.16666	\$0.34192	105.16%
	Next 15,000 Dths Month	\$0.08623	\$0.17751	105.86%
	Commodity Charge Summer		-	
	First 1,500 Dths Month	\$0.14717	\$0.30208	105.26%
	Next 2,500 Dths Month	\$0.11683	\$0.24008	105.50%
	Next 11,000 Dths Month	\$0.11892	\$0.22389	105.55%

18-00017 Chattanooga Gas Revised tariff sheets filed 10/22/2018.

25-00038 Values: Vett Exhibit AV-1