

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

**IN RE:**

**PETITION OF ATMOS ENERGY CORPORATION )**  
**FOR APPROVAL OF ITS 2021 ANNUAL RATE ) DOCKET NO. 21-00019**  
**REVIEW FILING PURSUANT TO TENN. )**  
**CODE ANN. § 65-5-103(d)(6) )**

**REBUTTAL TESTIMONY OF WILLIAM D. MATTHEWS  
ON BEHALF OF ATMOS ENERGY CORPORATION**

## I. INTRODUCTION OF WITNESS

**Q. PLEASE STATE YOUR NAME, POSITION AND BUSINESS ADDRESS.**

A. My name is William D. Matthews. I am Manager, Rates and Regulatory Affairs with Atmos Energy Corporation (“Atmos Energy” or “Company”). My business address is 5420 LBJ Freeway, Ste. 1600, Dallas, Texas 75240.

**Q. PLEASE STATE YOUR EDUCATION AND PROFESSIONAL BACKGROUND.**

A. I hold undergraduate degrees in accounting and finance from Texas A & M University. I started my career with Atmos Energy in 2005 as a Business Planning Analyst. As a Business Planning Analyst, and positions of increasing responsibility within Business Planning & Analysis, I have worked on the annual planning process focusing on customer analysis, integrating upcoming filings within the Company's operating plan and performed various special analysis and projects for the Vice President of Strategic Planning. I was named Manager of Rates and Regulatory Affairs in October 2020.

1     **Q.     WHAT ARE YOUR RESPONSIBILITIES AT ATMOS ENERGY?**

2     A.     I am currently responsible for managing rate proceedings primarily filed with state  
3           regulatory bodies on behalf of the Company. My responsibilities include execution  
4           of applications for changes to rates and tariffs as part of traditional rate cases, tariff  
5           language change proposals, and annual rate making mechanisms that the Company  
6           files in the eight states in which it has regulated operations.

7     **Q.     ARE YOU THE SAME WILLIAM MATTHEWS THAT FILED PRE-FILED**  
8           **TESTIMONY IN THIS DOCKET?**

9     A.     Yes.

10    **Q.     HAVE YOU REVIEWED THE TESTIMONY AND DISCOVERY**  
11       **RESPONSES OF THE INTERVENING PARTY?**

12    A.     Yes. I have reviewed the testimony of David N. Dittmore of the Consumer  
13           Advocate Unit of the Tennessee Attorney General's Office ("Consumer Advocate")  
14           and that office's responses to Atmos Energy's discovery requests.

15                                   **II. PURPOSE OF TESTIMONY**

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

17    A.     The Consumer Advocate has recommended six adjustment items affecting revenue  
18           requirement in its testimony, as well as two recommendations involving rate design  
19           and cash working capital methodologies. The purpose of my testimony is threefold:

20       1.     Concur with the Consumer Advocate's proposed Adjustment No. 2 and  
21               proposed Adjustment No. 4, as well as concur in part with the rate design  
22               recommendation;

- 1           2.     Disagree with Consumer Advocate on its proposed Adjustment No. 1,  
2                     proposed Adjustment No. 3, proposed Adjustment No. 5, proposed  
3                     Adjustment No. 6, and its proposed recommendation regarding cash  
4                     working capital;  
5           3.     Address the Consumer Advocate's comments regarding New Matters and  
6                     Construction Metrics.

7   **Q.    HAVE YOU UPDATED THE COMPANY'S REVENUE REQUIREMENT**  
8       **MODEL   TO   REFLECT   THESE   ADJUSTMENTS   AND**  
9       **RECOMMENDATIONS?**

10   A.    Yes. The updated revenue requirement model is attached to this rebuttal testimony  
11           as Exhibit WDM-R-1.

12                     **III.   REVENUE REQUIREMENT ADJUSTMENTS**

13   **Q.    PLEASE DISCUSS PROPOSED ADJUSTMENT NO. 2 BY THE**  
14       **CONSUMER ADVOCATE?**

15   A.    Adjustment No. 2 recommends removal of \$164,936 from operating expenses  
16           associated with allocated Supplemental Executive Retirement Costs ("SERP") as  
17           shown in the Company's response to Data Request No. 1-25, as well as CA  
18           Schedule B.<sup>1</sup>

19   **Q.    DOES THE COMPANY AGREE WITH THIS PROPOSED ADJUSTMENT?**

20   A.    The Company has followed the same methodology in regards to SERP since Docket  
21           No. 14-00146. As the Company notes in response to Data Request No. 2-14, in

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<sup>1</sup> *In re: Petition of Atmos Energy Corporation for Approval of its Annual Rate Review Filing Pursuant to Tenn. Code Ann. § 65-5-103(d)(6), Docket No. 21-00019, Direct Testimony of David N. Dittmore, pp. 13-14 (April 1, 2021).*

1 both Docket Nos. 14-00146 and 18-00112 the approved exhibits for revenue  
2 requirement methodologies maintained the operational expenses associated with  
3 SERP.<sup>2</sup> However, the Company agrees conceptually with the Consumer Advocate  
4 that the SERP expenses should be included in the same category as other FAS 87  
5 expenses. The Company has removed the SERP expenses from the updated  
6 revenue requirement in this proceeding and in future filings the Company will treat  
7 SERP expenses in accordance with other FAS 87 expenses and only include  
8 allocable cash paid versus the accrual.

9 **Q. PLEASE DISCUSS PROPOSED ADJUSTMENT NO. 4 BY THE**  
10 **CONSUMER ADVOCATE?**

11 A. Proposed Adjustment No. 4 reduces O&M costs \$16,542 to account for certain  
12 invoices in which Tennessee received an allocated piece.<sup>3</sup>

13 **Q. DOES THE COMPANY AGREE WITH THIS PROPOSED ADJUSTMENT?**

14 A. Yes. The Company also noted this in its response to Data Requests Nos. 2-05 and  
15 2-06 in this Docket.

16 **Q. PLEASE DISCUSS THE PROPOSED ADJUSTMENT TO RATE DESIGN**  
17 **METHODOLOGY BY THE CONSUMER ADVOCATE?**

18 A. The Consumer Advocate took its revenue requirement calculation and derived a  
19 percentage rate increase to be applied across the board to each rate class and  
20 individual rate with the goal of producing a uniform rate increase among all

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<sup>2</sup> See *In re: Petition of Atmos Energy Corporation for Approval of its Annual Rate Review Filing Pursuant to Tenn. Code Ann. § 65-5-103(d)(6)* Docket No. 21-00019, *Atmos Energy Corporation's Response to the Consumer Advocate's Second Discovery Request*, Response to Question No. 2-14 (March 19, 2021).

<sup>3</sup> *In re: Petition of Atmos Energy Corporation for Approval of its Annual Rate Review Filing Pursuant to Tenn. Code Ann. § 65-5-103(d)(6)*, Docket No. 21-00019, *Direct Testimony of David N. Dittmore*, pp. 17-18 (April 1, 2021).

1 customers. As part of that calculation, the Consumer Advocate found that the  
2 revenue associated with Transportation Demand Volumes was not reflected in the  
3 Company's Schedule 11-3. The Consumer Advocate proposes to adjust Schedule  
4 11-3 to reflect this revenue as well as allocate a portion of the rate increase to it.<sup>4</sup>

5 **Q. DOES THE COMPANY AGREE WITH THIS PROPOSED ADJUSTMENT?**

6 A. We agree with part of the proposed adjustment. The Company followed the  
7 approved methodology for allocating rate increases. This process involves first  
8 allocating the increase to each Rate Schedule and then in the correct ratio of  
9 customer charge and commodity charge so as to keep all ratios the same as rates  
10 before the increase was allocated. The method the Consumer Advocate has used of  
11 applying the same percentage increase to all rates will shift revenue requirement to  
12 higher usage customers. The Company has agreed to the Consumer Advocate's  
13 recommendation to include Transportation Demand Volumes to Schedule 11-3 and  
14 has allocated a portion of the increase to that charge. This update is shown on  
15 Schedule 11-3 of Exhibit WDM-R-1.

16 **Q. DOES THE COMPANY PROPOSE TO USE THIS METHOD IN FUTURE**  
17 **ARM FILINGS?**

18 A. Yes. The Company will plan to use the proposed rate design adjustment as  
19 described above in future ARM filings.

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<sup>4</sup> See *id.* at 21-22.

1   **Q.     PLEASE DISCUSS PROPOSED ADJUSTMENT NO. 1?**

2   A.     Proposed Adjustment No. 1 by the Consumer Advocate recommends the Company  
3           increase its operating revenue in this filing by \$116,381 to reflect the gain on sale  
4           of a service center owned by the Company in Morristown, Tennessee.<sup>5</sup>

5   **Q.     DOES THE COMPANY AGREE WITH THIS PROPOSED ADJUSTMENT**  
6           **?**

7   A.     No. As the Company mentions in more detail in its response to Data Request No.  
8           2-10, the Company believes that its accounting for gains and losses on dispositions  
9           of utility property is in accordance with the Uniform System of Accounts ("USoA"),  
10          specifically Gas Plant Instruction 7. Land and land rights, sub-part E. and 10.  
11          Additions and retirements of gas plant, subpart E. Tennessee Code § 65-4-111 and  
12          Commission Rule 1220-04-01-.11 requires that utilities follow USoA. The proper  
13          accounting for this transaction is to account 421, which is a below-the-line USoA  
14          account. Moreover, the methodologies identified in Docket No. 14-00146 excluded  
15          below-the-line accounts. I have also included the Company's response to Data  
16          Request No. 2-10 as Exhibit WDM-R-3 in my rebuttal testimony.

17   **Q.     DOES THE CONSUMER ADVOCATE BELIEVE THE COMPANY**  
18          **ACCOUNTED FOR GAIN ON SALE PROPERLY IN THIS FILING?**

19   A.     Yes. The Consumer Advocate agreed in its testimony that the transaction  
20          mentioned in Proposed Adjustment No. 1 was properly recorded by the Company  
21          to Account 421.<sup>6</sup>

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<sup>5</sup> *Id.* at 10.

<sup>6</sup> *Id.* at 10-11.

1   **Q.   PLEASE DISCUSS THE CONSUMER ADVOCATE’S PROPOSED**  
2       **ADJUSTMENT NO. 3.**

3   A.   The Consumer Advocate’s Proposed Adjustment No. 3 is requesting the Company  
4       to decrease recoverable O&M by \$39,051 for an incentive compensation  
5       adjustment.<sup>7</sup>

6   **Q.   DO YOU AGREE WITH THIS ADJUSTMENT?**

7   A.   No. The allocated O&M identified by the Consumer Advocate and from which the  
8       Consumer Advocate recommends the proposed adjustment is from Cost Center  
9       1903, which is entirely unallocated to Tennessee as the Company notes in its  
10      response to Data Request No. 1-22. Therefore, there is no adjustment that is  
11      necessary.

12  **Q.   PLEASE DISCUSS THE CONSUMER ADVOCATE’S PROPOSED**  
13       **ADJUSTMENT NO. 5?**

14  A.   Proposed Adjustment No. 5 by the Consumer Advocate proposed a reduction to the  
15       Company’s recoverable O&M expenses by \$68,860 for what the Consumer  
16       Advocate labels as “out of period” costs.<sup>8</sup>

17  **Q.   DO YOU AGREE WITH THIS ADJUSTMENT?**

18  A.   No. The historic test period in this ARM filing is October 2019 through September  
19       2020. The Company has included only twelve months of recorded expenses in its  
20       ARM filing. The Consumer Advocate has selected invoices that may have an  
21       invoice date before October 2019, but due to timing did not get recorded into the

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<sup>7</sup> *Id.* at 16.

<sup>8</sup> *Id.* at 10.

1 Company's books until October 2019. Several of these invoices that the Consumer  
2 Advocate has labeled as "out of period" also have an invoice date of October and  
3 do not seem to match with the Consumer Advocate's analysis. Going forward, this  
4 proposed adjustment should also not be an issue as there will not be a "stub period"  
5 between filings as was created in this particular scenario due to the shift from two  
6 ARM filings a year to one ARM filing as a result of Docket No. 18-00112.

7 **Q. PLEASE DISCUSS THE CONSUMER ADVOCATE'S PROPOSED**  
8 **ADJUSTMENT NO. 6.**

9 A. This proposed adjustment is to remove \$15,000 in Association dues paid to the  
10 Northeast Tennessee Regional Economic Partnership Inc.<sup>9</sup>

11 **Q. DO YOU AGREE WITH THIS ADJUSTMENT?**

12 A. No. The Consumer Advocate claims these dues are charitable contributions<sup>10</sup>, and  
13 this is not the case. The dues in question here are dues to an industry association  
14 for a Company membership, and not a charitable contribution. While the  
15 organization may have tax-exempt status as a 501(c)(6), there is a difference  
16 between being a tax-exempt organization and paying association dues to that  
17 organization, as opposed to making a charitable contribution as the Consumer  
18 Advocate suggests is the case for this amount. The purpose of the organization, as  
19 provided by the Company in its response to Data Request No. 2-09, is "on business  
20 retention and expansion, attraction of new business, workforce development with  
21 additional effort dedicated to creating shovel ready sites."

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<sup>9</sup> *Id.* at 19-20.

<sup>10</sup> *Id.* at 20.



1   **Q.   PLEASE DISCUSS THE CONSUMER ADVOCATE’S PROPOSED**  
2       **RECOMMENDATION FOR AN ADJUSTMENT TO THE CASH**  
3       **WORKING CAPITAL METHODOLOGY?**

4   A.   The Consumer Advocate recommends a prospective recommendation to change the  
5       methodologies established in Docket No. 14-00146 by removing certain non-cash  
6       expenses in the computation of the net expense lead days for cash working capital  
7       in future ARM filings.<sup>11</sup>

8   **Q.   DO YOU AGREE WITH THE CONSUMER’S ADVOCATE’S PROPOSAL**  
9       **TO UPDATED METHODOLOGIES AGREED TO IN DOCKET NO. 14-**  
10       **00146?**

11 A.   No. First, the Commission should recognize that the approval of rates in Docket  
12       No. 14-00146 struck a balance between the customer and the Company that was in  
13       the public interest and resulted in just and reasonable rates. The Consumer  
14       Advocate’s desire to revisit methodologies that change that balance should only be  
15       considered within the overall context of a rate proceeding. Second, the Company  
16       fully responded to this proposed recommendation in its response to Data Request  
17       No. 1-07 in this Docket. I have attached this response to my testimony as Exhibit  
18       WDM-R-2. As more fully explained in the attachment, there are sound ratemaking  
19       reasons for how the Company’s lead lag study was developed in Docket No. 14-  
20       00146. The Consumer Advocate’s proposal to revisit this isolated issue should not  
21       be considered at this time.

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<sup>11</sup> *Id.* at 23.

1                   **IV. OTHER CONSUMER ADVOCATE RECOMMENDATIONS**

2   **Q. PLEASE RESPOND TO THE CONSUMER ADVOCATE'S POSITION**  
3       **THAT COVID-19 AND THE GAIN ON SALE SHOULD BE CONSIDERED**  
4       **NEW MATTERS.**

5   A. The Company analyzed prior to its ARM filing and determined that Covid-19 was  
6       having an immaterial impact on the filing and therefore did not propose anything  
7       extraordinary with regards to cost recovery. Had revenue changes or operating cost  
8       changes not been offsetting, the Company would have worked on a way to mitigate  
9       the impact on customer bills and disclosed the proposal as a New Matter. The  
10      Consumer Advocate also acknowledges as well based on discovery that it did not  
11      appear the Covid-19 pandemic had a material impact on the Company's operating  
12      results.<sup>12</sup> The Company has already addressed the Gain on Sale issue in this rebuttal  
13      testimony as part of its response to the Consumer's Advocate's Proposed  
14      Adjustment #1, and would point to that response as why the Gain on Sale issue is  
15      not considered a New Matter.

16 **Q. PLEASE RESPOND TO THE CONSUMER ADVOCATE'S TESTIMONY**  
17 **REGARDING CONSTRUCTION METRICS.**

18 A. The Consumer Advocate performs a high-level analysis of construction metrics in  
19      deriving an average cost. The Company disagrees with any attempt to use such a  
20      high-level analysis with additional requirements to the ARM in terms of metrics.  
21      The information presented by the Consumer Advocate is at such a high level as to  
22      not have much meaning with regards to specific construction.

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<sup>12</sup> *Id.* at 8.

1    **Q.     DOES THIS CONCLUDE YOUR REBUTTAL TESTIMONY?**

2    **A.     Yes.**

BEFORE THE TENNESSEE PUBLIC UTILITY COMMISSION

NASHVILLE, TENNESSEE

IN RE:

PETITION OF ATMOS ENERGY CORPORATION )  
FOR APPROVAL OF ITS 2021 ANNUAL RATE ) DOCKET NO. 21-00019  
REVIEW FILING PURSUANT TO TENN. )  
CODE ANN. § 65-5-103(d)(6) )

VERIFICATION

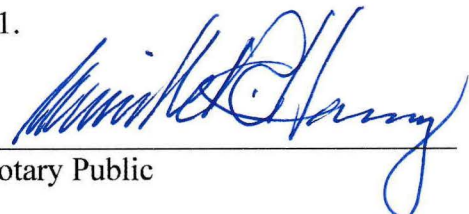
STATE OF TEXAS )

COUNTY OF DALLAS )

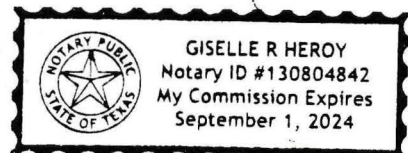
I, William D. Matthews, being first duly sworn, state that I am the Manager of Rates and Regulatory Affairs for Atmos Energy Corporation, that I am authorized to testify on behalf of Atmos Energy Corporation in the above referenced docket, that the Rebuttal Testimony of William D. Matthews in support of Atmos Energy Corporation's filing is true and correct to the best of my knowledge, information and belief.

  
William D. Matthews

Sworn and subscribed before me this 14<sup>th</sup> day of April, 2021.

  
Notary Public

My Commission Expires: September 1, 2024



Schedule 1

**Tennessee Distribution System  
Cost of Service  
Twelve Months Ended September 30, 2020**

Line No.	Description (a)	Reference (b)	Amount (c)
1	Cost of Gas	Schedule 3	\$58,864,188
2			
3	Operation & Maintenance Expense	Schedule 4	21,458,013
4			
5	Taxes Other Than Income Taxes	Schedule 5	8,706,589
6			
7	Depreciation & Amortization Expense	Schedule 6	16,000,176
8			
9	Return	Schedule 7	32,094,561
10			
11	Federal Income and State Excise Tax	Schedule 8	8,506,402
12			
13	AFUDC	Wp 1-2	(866,703)
14			
15	Interest on Customer Deposits	Wp 1-1	40,175
16			
17	Total Cost of Service		<u>\$ 144,803,401</u>
18			
19			
20	Revenue at Present Rates	Sch 11-2, Sch 3	<u>\$ 132,429,231</u>
21			
22	Net Revenue Deficiency (Sufficiency)		\$ 12,374,170
23	Amortization of EDITL	WP 7-9	\$ (6,112,798)
24	Annual Reconciliation Revenue Requirement	Schedule 1R	\$ 4,460,777
25			
26	Total Revenue Deficiency (Sufficiency)		<u><u>\$ 10,722,149</u></u>
27			

## Schedule 1R

**Tennessee Distribution System**  
**Cost of Service**  
**Twelve Months Ended September 30, 2020**

Line No.	Description (a)	Reference (b)	Amount (c)
1	Cost of Gas	Schedule 3	\$58,864,188
2			
3	Operation & Maintenance Expense	Schedule 4	21,458,013
4			
5	Taxes Other Than Income Taxes	Schedule 5	8,706,589
6			
7	Depreciation & Amortization Expense	Schedule 6	15,170,284
8			
9	Return	Schedule 7R	29,930,089
10			
11	Federal Income and State Excise Tax	Schedule 8R	7,793,598
12			
13	AFUDC	Wp 1-2	(866,703)
14			
15	Interest on Customer Deposits	Wp 1-1	<u>40,175</u>
16			
17	Total Cost of Service		<u>\$ 141,096,233</u>
18			
19			
20	Actual Adjusted Revenue	Schedule 2	<u>\$ 137,100,734</u>
21			
22	Net Revenue Deficiency (Sufficiency)		\$ 3,995,499
23	Carrying Costs	Schedule 9	<u>\$ 465,278</u>
24	Annual Reconciliation Revenue Requirement		<u>\$ 4,460,777</u>

WP 1-1

**Tennessee Distribution System  
Interest on Customer Deposits  
Twelve Months Ended September 30, 2020**

Line No.	Description	Amount
	(a)	(b)
1	Average Customer Deposit Balance	\$ 1,236,145
2		
3	Interest Rate on Customer Deposits	<u>3.25%</u>
4		
5	Adjusted Customer Deposit Interest	<u><u>\$ 40,175</u></u>

WP 1-2

**Tennessee Distribution System**  
**Allowance for Funds Used During Construction**  
**Twelve Months Ended September 30, 2020**

Line No.	Description	Amount
	(a)	(b)
1	Base Period AFUDC per books - Div 093 (1)	\$ (1,173,361)
2		
3	Less State Excise Tax Effect	<u>(76,268)</u>
4		
5		\$ (1,097,093)
6		
7	Less Federal Tax Effect	<u>(230,390)</u>
8		
9	Net AFUDC - Base Period	\$ (866,703)
10		
11	Change from Base Period to Attrition Year	<u>-</u>
12		
13	Projected Attrition Year Net AFUDC	<u><u>\$ (866,703)</u></u>
14		
15	Note:	
16	1. Twelve months ended September 30, 2020 - Accounts 4320 and 4191	



## Schedule 2

**Tennessee Distribution System**  
**Summary of Revenue at Present Rates**  
**Twelve Months Ended September 30, 2020**

Line	Description	Amount
	(a)	(b) (c)
1	Base period per books revenue (1)	\$ 140,037,791
2		
3	Remove Cost of Service Reserve	(2,223,443)
4	Remove Reconciliation Revenue	(713,614)
5	Projected Attrition Year Revenue:	
6	Ongoing Gross Margin	\$ 78,236,546
7	Gas cost	58,864,188
8	Total	<u>\$ 137,100,734</u>
9		
10		
11	Total Revenue per Consumer Advocate	<u><u>\$ 137,100,734</u></u>
12		
13	Note:	
14	1. Twelve months ended September 30, 2020	

Line No.	Description	Amount
	(a)	(b)
1	Base period per books cost of gas (1)	\$ 60,011,260
2		
3	Adjustments	
4	Net Elimination of Intercompany Leased Storage Property	<u>(1,147,072)</u>
5		
6	Total Adjusted Gas Cost	\$ 58,864,188
7		
8		<u></u>
9		
10		<u></u>
11		<u></u>
12	Note:	
13	1. Twelve months ended September 30, 2020	

WP 3-1

**Tennessee Distribution System**  
**ELIMINATION OF LEASED PROPERTY-RENT**  
**Twelve Months Ended September 30, 2020**

Line No.	Description	Building Rent O&M	Storage Expense O&M	Leased Property Depreciation	Storage Expense Other Taxes	Storage Rent Gas Cost
	(a)	(b)				(c)
1	October-19	\$ -	\$ 42,904	\$ 18,760	\$ 1,000	\$ (91,367)
2	November-19	-	25,672	18,761	1,000	(95,314)
3	December-19	-	16,027	18,761	1,000	(95,314)
4	January-20	-	17,441	18,821	2,100	(97,730)
5	February-20	-	23,108	18,821	2,100	(95,918)
6	March-20	-	25,260	18,821	20,034	(95,918)
7	April-20	-	45,831	18,821	2,100	(95,918)
8	May-20	-	49,526	18,821	1,363	(95,918)
9	June-20	-	22,137	18,821	4,033	(95,918)
10	July-20	-	(48,620)	18,821	1,658	(95,918)
11	August-20	-	14,425	26,813	2,100	(95,918)
12	September-20	-	16,673	21,559	2,100	(95,918)
13						
14	Total Per Books	\$ -	\$ 250,384	\$ 236,397	\$ 40,588	\$ (1,147,072)

## Schedule 4

**Tennessee Distribution System  
Operation and Maintenance Expenses  
Twelve Months Ended September 30, 2020**

Line No.	Description (b)	Amount (c)
1	Base period per books O&M Expense (1)	\$ 21,224,172
2	(with ratemaking adjustments)	
3		
4		
5		
6		
7	<u>Adjustments to O&amp;M</u>	
8		\$ -
9	Inclusion of Barnsley Storage Operating Expense	\$ 250,384
10	<u>Less Consumer Advocate Adjustments:</u>	
11	CAU Adjustment #4 Certain Legal Costs	16,542
12		
13		
14		
15		
16	Total Adjusted O&M TYE 9.30.20	21,458,013
17	Note:	
18	1. Twelve months ended September 30, 2020	

**Tennessee Distribution System  
Operation and Maintenance Expenses  
Twelve Months Ended September 30, 2020**

Line No.	Tennessee	SSU	General Office	Total	
	<u>Historic Base</u>	<u>Historic Base</u>	<u>Historic Base</u>	<u>Historic Base</u>	<u>Attrition</u> <u>Difference</u>
1 Labor	\$ 3,384,945	\$ 3,463,575	\$ 1,391,512	\$ 8,240,031	
2 Benefits	916,960	1,070,379	346,397	2,333,737	
3 Employee Welfare	37,840	1,760,593	613,906	2,412,340	
4 Insurance	177,326	1,164,966	7,936	1,350,227	
5 Rent, Maint., & Utilities	765,014	347,332	155,688	1,268,034	
6 Vehicles & Equip	422,251	4,042	29,572	455,865	
7 Materials & Supplies	455,432	40,916	42,936	539,284	
8 Information Technologies	33,991	1,285,577	56,214	1,375,783	
9 Telecom	148,295	119,828	119,424	387,547	
10 Marketing	127,166	9,900	143,452	280,519	
11 Directors & Shareholders & PR	95	256,470	144	256,710	
12 Dues & Donations	137,880	31,771	4,567	174,219	
13 Print & Postages	43,597	13,433	5,759	62,789	
14 Travel & Entertainment	245,638	65,633	126,685	437,956	
15 Training	7,499	38,744	22,506	68,749	
16 Outside Services	4,862,621	867,511	939,051	6,669,183	
17 Provision for Bad Debt	608,153	-	-	608,153	
18 Miscellaneous	3,715	(3,909,755)	(99,793)	(4,005,833)	
19 Total O&M Expenses	<u>\$ 12,378,421</u>	<u>\$ 6,630,914</u>	<u>\$ 3,905,957</u>	<u>\$ 22,915,292</u>	
20					
21 Disallowed Items					
22 Other (Sub 05416 and 05412)	(4,413)	(472)	(727)	(5,613)	
23 Incentive Comp (MFR 38)	0	(588,199)	(566,864)	(1,155,063)	
24 Benefits (FAS 87 Accrual)	(168,503)	(131,072)	(65,947)	(365,522)	
25 CAU Adjustment #2 Supplemental Exec. Retirement	0	(151,178)	(13,744)	(164,922)	
26					
27 Rate Case Expense				-	
28					
29 Actual Allocable Pension Contribution	-			-	
30					
31 Total O&M	<u>\$ 12,205,504</u>	<u>\$ 5,759,994</u>	<u>\$ 3,258,674</u>	<u>\$ 21,224,172</u>	

WP 4-2

**Tennessee Distribution System  
Operation and Maintenance Expenses by FERC  
Twelve Months Ended September 30, 2020**

Division 093		
Line No.	FERC Account	Historic Base Period
1	7350	696
2	8160	2,677
3	8560	61,343
4	8700	1,482,260
5	8710	84
6	8711	45,135
7	8740	5,382,446
8	8750	519,632
9	8760	2,767
10	8780	583,550
11	8800	2,594
12	8810	339,281
13	8860	843
14	8870	27,718
15	8890	40,834
16	8900	-
17	8910	-
18	8920	4,609
19	8930	123,397
20	8940	-
21	9010	-
22	9020	399,613
23	9030	812,398
24	9040	608,153
25	9090	99,774
26	9100	-
27	9110	249,692
28	9120	75,849
29	9130	213
30	9160	2,921
31	9200	115,244
32	9210	6,608
33	9220	10,536,871
34	9230	155,022
35	9240	133,915
36	9250	37,882
37	9260	931,177
38	9280	581
39	9301	7,958
40	9302	121,554
41	9310	-
42	Total	22,915,292

WP 4-2

**Tennessee Distribution System  
Operation and Maintenance Expenses by FERC  
Twelve Months Ended September 30, 2020**

Division 091		
Line No.	FERC Account	Historic Base Period
43	8170	543
44	8180	380
45	8190	3,550
46	8210	1,641
47	8250	10,217
48	8500	49,013
49	8560	489
50	8570	16,867
51	8600	483
52	8700	2,870,995
53	8711	18,835
54	8740	149,984
55	8750	467,368
56	8760	162,627
57	8780	1,333
58	8800	602,236
59	8810	339,442
60	8870	12,069
61	8890	43,860
62	8900	515
63	8910	524
64	9010	95,711
65	9020	1,763
66	9030	2,014,125
67	9090	184,342
68	9100	7,116
69	9110	156,993
70	9120	23,584
71	9130	20,389
72	9200	(246,685)
73	9210	2,142
74	9220	(9,575,771)
75	9230	189,050
76	9240	(11,074)
77	9250	(13,924)
78	9260	2,383,757
79	9302	9,117
80	9310	1,020
81	Total	(5,376)

WP 4-2

**Tennessee Distribution System  
Operation and Maintenance Expenses by FERC  
Twelve Months Ended September 30, 2020**

Division 002		
Line No.	FERC Account	Historic Base Period
82	8700	281,247
83	8740	88,736
84	8800	19,978
85	8810	5,258
86	8850	-
87	9010	3,168
88	9030	113,724
89	9100	899
90	9110	3,895
91	9120	105,849
92	9160	-
93	9200	(36,068,137)
94	9210	33,715,793
95	9220	(102,202,336)
96	9230	10,806,920
97	9240	111,956
98	9250	26,763,189
99	9260	54,545,133
100	9302	9,516,215
101	9310	5,063,132
102	9320	278,188
103	Total	3,152,807



WP 4-2

**Tennessee Distribution System  
Operation and Maintenance Expenses by FERC  
Twelve Months Ended September 30, 2020**

Division 012		
Line No.	FERC Account	Historic Base Period
104	8700	236
105	8740	83,006
106	8750	87
107	9010	4,259,961
108	9030	21,046,679
109	9200	3,536,069
110	9210	8,381,208
111	9220	(49,450,521)
112	9230	1,257,482
113	9240	81,632
114	9250	372
115	9260	9,611,313
116	9302	1,279
117	9310	1,187,305
118	9320	3,892
119	Total	0

[illegible]

**Atmos Energy Corp - Tennessee Distribution System**  
**Pension Benchmark Calculation**  
**Twelve Months Ended September 30, 2020**

Line No.	Description	Number of Participants	Estimated Liability	Percent of Contribution Applicable to Group	Actual Year Contribution	Allocation Factor to Tennessee	Amount Allocable to Tennessee	Composite Labor Capitalization Rate	Pension Contribution Assigned to Capital/Reduction to O&M Costs
	(a)	(b)	(c)	(d)	(e)	(f)	(g)		
1	All Other (not allocable to Tennessee)	4,112	\$ 449,962,000	77.9%	\$ -	0.00%	\$ -		
2	Co 010 - Shared Services	488	63,757,000	11.0%	-	4.16%	-		
3	Co 010 - CSO	298	20,214,000	3.5%	-	4.68%	-		
4	Active Tennessee Jurisdiction Employees	87	13,970,000	2.4%	-	100.00%	-	57.3%	-
5	Inactive Tennessee Jurisdiction Employees	191	17,040,000	3.0%	-	100.00%	-		
6	Active Division General Office Employees	19	4,062,000	0.7%	-	40.79%	-	49.6%	-
7	Inactive Division General Office Employees (pre-merger)	47	5,712,000	1.0%	-	26.55%	-		
8	Inactive Division General Office Employees (post-merger)	7	2,553,000	0.4%	-	40.79%	-		
9									
10	Total Amount of Contribution Allocable to Tennessee	5,249	\$ 577,270,000	100.00%	\$ -		\$ -		\$ -

1 For General Office employees who worked at United Cities Gas Company prior to the merger with Atmos Energy, the Company has applied the allocation factor used to allocate labor expense in Docket No. 95-02258.

Source: Relied Upons\TN-FYE2020-AcctAllocation

**Consumer Advocate  
Atmos Energy Tennessee  
Calculation of Unsupported Invoices  
Docket No. 21-00019**

Schedule CA - D

Source: Supplemental Response to Consumer Advocate Request 2-6.

Division	Division Description	Vendor Name	Invoice Number	Amount	Source:
091	Mid-States General Office Div	PENNSTUART	1196548	\$ 2,386.00	2-06(a-b)
091	Mid-States General Office Div	PENNSTUART	1198123	\$10,815.75	
091	Mid-States General Office Div	PENNSTUART	1199112	\$ 754.00	
091	Mid-States General Office Div	PENNSTUART	1200957	\$ 3,170.00	
091	Mid-States General Office Div	PENNSTUART	1201863	\$ 3,370.00	
091	Mid-States General Office Div	HUNTON ANDREWS KURTH LLP	101170394	\$ 900.00	
091	Mid-States General Office Div	HUNTON ANDREWS KURTH LLP	101171525-4	\$ 7,235.00	
091	Mid-States General Office Div	HUNTON ANDREWS KURTH LLP	101171588-3	\$ 225.00	
091	Mid-States General Office Div	HUNTON ANDREWS KURTH LLP	101174620-3	\$ 675.00	
091	Mid-States General Office Div	HUNTON ANDREWS KURTH LLP	101178748-5	\$ 337.50	
091	Mid-States General Office Div	HUNTON ANDREWS KURTH LLP	101179244-4	\$ 3,097.50	

Division	Division Description	Vendor Name	Invoice Number	Amount	Source:
091	Mid-States General Office Div	MCGUIREWOODS LLP	92285000	\$ 1,039.50	2-06(c-d), 2-05 (b-c)*
091	Mid-States General Office Div	MCGUIREWOODS LLP	92276255	\$ 346.50	
091	Mid-States General Office Div	MCGUIREWOODS LLP	92269332	\$ 157.50	
091	Mid-States General Office Div	MCGUIREWOODS LLP	92369820	\$ 675.00	
091	Mid-States General Office Div	MCGUIREWOODS LLP	92389389	\$ 685.00	
091	Mid-States General Office Div	MCGUIREWOODS LLP	92379847	\$ 2,750.00	
091	Mid-States General Office Div	MCGUIREWOODS LLP	92395703	\$ 1,935.00	

				Allocated to 093
General VA Legal	\$	11,570.00	40.79%	\$ 4,719
Mildred Clark	\$	21,395.75	40.79%	\$ 8,727
McGuireWoods	\$	7,588.50	40.79%	\$ 3,095
				<b>Total</b>
				<b>Amount</b>
				<b>Removed</b>
				<b>\$ 16,542</b>

## Schedule 5

**Tennessee Distribution System  
Taxes Other Than Income Taxes  
Twelve Months Ended September 30, 2020**

Line No.	Description (a)	Total (b)
1	Base period per books Other Taxes Expense (1)	\$ 8,666,001
2		
3		
4		
5		
6		
7	Inclusion of Barnsley Storage Other taxes	40,588
8		
9	Adjusted Taxes Other Than Income Taxes	\$ 8,706,589
10		
11	Note:	
12	1. Twelve months ended September 30, 2020 - Account 408	

**Tennessee Distribution System  
Taxes Other Than Income Taxes  
Twelve Months Ended September 30, 2020**

Line No.	Descripton	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Base Period
1	<b><u>Division 093</u></b>													
2	FICA	11,862	94,454	(16,141)	33,440	12,337	13,637	13,947	17,707	13,616	27,558	10,140	11,324	243,881
3	FUTA	8	42	(5)	2,466	(224)	(14)	5	12	(5)	-	-	-	2,286
4	SUTA	1	9	(2)	875	29	(12)	4	24	(9)	-	-	-	919
5	Ad Valorem	455,654	455,654	455,654	421,054	421,054	421,054	421,054	421,054	421,054	421,054	421,054	421,054	5,156,448
6	30105 Corp/State Franchise Tax	83,333	83,333	83,333	83,333	83,333	83,333	83,333	83,333	83,333	83,333	83,333	83,333	1,000,000
7	30107 City Franchise	167	167	167	167	167	167	167	167	167	167	167	167	2,000
8	30109 State Gross Receipts	69,344	113,056	178,309	193,681	164,312	141,386	82,314	56,569	50,680	35,689	35,171	38,068	1,158,580
9	30104 State Supv & Inspection	52,109	52,109	52,109	52,109	52,109	52,109	48,815	48,815	48,815	48,815	48,815	48,815	605,546
10	30108 Dot Transmission User Tax	-	-	-	-	-	23,106	-	-	-	-	-	-	23,106
11	Division 91 Allocations	10,112	(9,461)	14,011	(1,835)	16,528	(1,227)	21,481	22,940	14,578	6,773	3,166	15,278	112,342
12	Division 12 Allocations	8,770	27,621	694	16,002	10,008	2,250	10,688	11,310	3,512	14,855	9,107	9,594	124,412
13	Division 02 Allocations	27,394	42,050	1,794	29,247	16,387	20,636	16,765	18,628	7,407	26,142	15,081	14,951	236,481
14	Total	\$ 718,755	\$ 859,035	\$ 769,923	\$ 830,540	\$ 776,041	\$ 756,425	\$ 698,572	\$ 680,558	\$ 643,149	\$ 664,386	\$ 626,033	\$ 642,583	\$ 8,666,001
15														
16	<b><u>Division 002</u></b>													
17	FICA	287,791	963,007	(3,044)	507,900	298,748	340,937	321,467	366,368	45,527	516,375	281,098	1,555,353	5,481,525
18	FUTA	517	542	349	27,314	736	1,201	(85)	237	(33)	227	203	164	31,373
19	SUTA	1,005	1,140	768	47,489	3,998	2,909	690	243	(64)	403	373	360	59,315
20	Ad Valorem	45,000	45,000	45,000	90,000	90,000	150,465	80,435	80,435	80,435	80,435	80,435	80,435	948,075
21	30105 Corp/State Franchise Tax	-	-	-	-	-	-	-	-	-	-	-	-	-
22	Total	\$ 334,314	\$ 1,009,689	\$ 43,074	\$ 672,702	\$ 393,483	\$ 495,512	\$ 402,508	\$ 447,282	\$ 125,865	\$ 597,439	\$ 362,109	\$ 1,636,312	\$ 6,520,288
23														
24	<b><u>Division 012</u></b>													
25	FICA	166,583	569,385	(5,803)	258,360	171,288	187,966	179,962	193,363	26,965	269,050	146,216	156,616	2,319,951
26	FUTA	299	322	200	15,952	390	649	(46)	124	(17)	119	106	93	18,191
27	SUTA	582	676	440	27,735	2,243	1,573	390	116	(32)	211	194	203	34,332
28	Ad Valorem	20,000	20,000	20,000	40,000	40,000	(142,104)	48,147	48,147	48,147	48,147	48,147	48,147	286,778
29	Total	\$ 187,465	\$ 590,384	\$ 14,836	\$ 342,047	\$ 213,921	\$ 48,084	\$ 228,453	\$ 241,749	\$ 75,064	\$ 317,527	\$ 194,664	\$ 205,059	\$ 2,659,251
30														
31	<b><u>Division 091</u></b>													
32	FICA	24,383	(23,631)	33,952	(8,091)	40,237	(3,375)	52,252	55,802	35,354	16,204	7,361	37,055	267,504
33	FUTA	6	29	(2)	2,283	(179)	(17)	5	12	(5)	-	-	-	2,133
34	SUTA	1	6	(2)	810	61	(16)	4	25	(9)	-	-	-	880
35	Ad Valorem	400	400	400	400	400	400	400	400	400	400	400	400	4,800
36	30105 Corp/State Franchise Tax	-	-	-	-	-	-	-	-	-	-	-	-	-
37	Total	\$ 24,791	\$ (23,195)	\$ 34,348	\$ (4,599)	\$ 40,519	\$ (3,008)	\$ 52,661	\$ 56,238	\$ 35,740	\$ 16,604	\$ 7,761	\$ 37,455	\$ 275,316

**Tennessee Distribution System  
Depreciation and Amortization Expense  
Twelve Months Ended September 30, 2020**

Line No.	Description	Reference	Amount
	(a)	(b)	(c)
1	Base period per books Depreciation Expense (1)		\$ 15,069,477
2			
3	Adjustment to Reflect Year End Plant Levels		<u>829,892</u>
4			
5	Total Proforma Depreciation Expense	Wp 6-2	\$ 15,899,369
6			
7	Adjustment to reflect Proposed Depreciation Rates		<u>-</u>
8			
9	Total Proforma Depreciation Expense	Wp 6-1	15,899,369
10			
11	Amortization of Deferred Pension Regulated Asset	Wp 7-3	0
12			
13	Net Elimination of Intercompany Leased Property	Wp 3-1	236,397
14			
15	Adjustment for Depreciation Expense on Capitalized Incentive Comp	Wp 7-8	<u>(135,590)</u>
16			
17	Total Depreciation and Amortization Expense, As Adjusted		<u>\$ 16,000,176</u>
18			
19	Note:		
20	1. Twelve months ended September 30, 2020		

WP 6-1

**Tennessee Distribution System  
Depreciation Expense Adjustment  
Proforma SSU Depreciation at Proposed Depreciation Rates  
Twelve Months Ended September 30, 2020**

Line No.	Description	Amount	Allocation	Allocated
	(a)	(b)	(c )	(d)
1	Proforma Depreciation			
2	Tennessee Operations	\$ 14,752,217	100.00%	\$ 14,752,217
3	Mid-States General Office	35,932	40.79%	14,657
4	SSU Div 12 - Customer Service	10,303,399	4.68%	482,077
5	SSU Div 02 - General Office	15,617,708	4.16%	650,419
6				
7	Proforma Depreciation Adjustment			<u>\$ 15,899,369</u>



WP 6-2

**Tennessee Distribution System  
Depreciation Expense Adjustment  
Proforma SSU Depreciation at Current Depreciation Rates  
Twelve Months Ended September 30, 2020**

Line No.	Description	Amount	Allocation	Allocated
	(a)	(b)	(c )	(d)
1	Proforma Depreciation			
2	Tennessee Operations	\$ 14,752,217	100.00%	\$ 14,752,217
3	Mid-States General Office	\$ 35,932	40.79%	14,657
4	SSU Div 12 - Customer Service	\$ 10,303,399	4.68%	482,077
5	SSU Div 02 - General Office	\$ 15,617,708	4.16%	650,419
6				
7	Proforma Depreciation Expense			<u>\$ 15,899,369</u>

Schedule 7

**Tennessee Distribution System  
Rate Base & Return  
Twelve Months Ended September 30, 2020**

Line No.	Description (a)	Historic Base Period (1) (b)	Reference (c)
1	Original Cost of Plant	\$ 698,819,253	WP 7-10 WP7-2
2			
3	Accumulated Depreciation and Amortization	(226,109,537)	WP7-2
4			
5	Construction Work in Progress per Books	15,850,710	WP7-2
6			
7	Storage Gas Investment	3,891,363	WP7-2
8			
9	Cash Working Capital	1,343,531	WP 7-5
10			
11	Material & Supplies	80,335	WP7-2
12			
13	Regulatory Assets/Liabilities (EDITL & Deferral)	(27,294,830)	WP 7-9
14			
15	Accumulated Deferred Income Tax	(45,135,975)	WP 7-2
16			
17	Customer Advances for Construction	(20,280)	WP7-2
18			
19	Customer Deposits	(1,236,145)	WP7-2
20			
21	Accumulated Interest on Customer Deposits	(19,393)	WP7-2
22			
23	Unadjusted Rate Base	\$ 420,169,032	
24			
25	Adjustments:	(5,491,775)	WP 7-8
26			
27	Net Elimination of Intercompany Leased Property	\$ 6,511,205	WP7-2
28			
29	Total Rate Base	<u>\$ 421,188,462</u>	
30			
31	Return at Overall Cost of Capital on Rate Base	<u>\$ 32,094,561</u>	
32			
33	Note:		
34	1. Twelve months ended September 30, 2020		

Schedule 7R

**Tennessee Distribution System  
Rate Base & Return  
Twelve Months Ended September 30, 2020**

Line No.	Description (a)	Historic Base Period (1) (b)	Reference (c)
1	Original Cost of Plant	\$ 667,431,221	WP 7-10 WP7-2
2			
3	Accumulated Depreciation and Amortization	(221,924,775)	WP7-2
4			
5	Construction Work in Progress per Books	18,071,193	WP7-2
6			
7	Storage Gas Investment	3,891,363	WP7-2
8			
9	Cash Working Capital	1,343,531	WP 7-5
10			
11	Material & Supplies	80,335	WP7-2
12			
13	Regulatory Assets/Liabilities (EDITL & Deferral)	(27,814,053)	WP 7-9
14			
15	Accumulated Deferred Income Tax	(43,600,078)	WP 7-2
16			
17	Customer Advances for Construction	(20,280)	WP7-2
18			
19	Customer Deposits	(1,236,145)	WP7-2
20			
21	Accumulated Interest on Customer Deposits	(19,393)	WP7-2
22			
23	Unadjusted Rate Base	\$ 396,202,918	
24			
25	Adjustments:	(5,491,775)	WP 7-8
26			
27	Net Elimination of Intercompany Leased Property	\$ 5,713,880	WP7-2
28			
29	Total Rate Base	<u>\$ 396,425,023</u>	
30			
31	Return at Overall Cost of Capital on Rate Base	<u>\$ 29,930,089</u>	
32			
33	Note:		
34	1. Twelve months ended September 30, 2020		

## WP 7-1

[illegible]

**Tennessee Distribution System**  
**Reallocation of Rate Base Items at Proforma Allocation Factors**  
**Twelve Months Ended September 30, 2020**

Line No.	Month	Factors																	
		Division 093 - Tennessee	Division 091 - Mid-States General Office	Division 012 - SSU Customer	CKV	Division 002 - SSU General	Greenville	AEAM	ALGN	FY19	100%	40.59%	4.63%	1.44%	4.16%	1.27%	5.09%	0.00%	
		(a)	(b)	(c)	(d)	(e)	(f)	(g)		FY20	(h)	(i)	(j)	(k)	(l)	(m)	5.10%	8.78%	Total Tennessee (n)
1	<b>Gas Plant in Service (Account 101)</b>																		
2																			
3	Sep-19	\$	624,458,635	\$	3,717,562	\$	131,418,386	\$	16,804,137	\$	132,498,942	\$	9,258,178	\$	24,088,731	\$	20,385,141		
4	Oct-19		629,127,547		3,719,956		132,712,389		16,804,137		136,548,169		9,258,178		24,091,015		20,815,001		
5	Nov-19		632,806,337		3,719,956		132,718,620		16,804,137		136,547,737		9,258,178		24,089,933		20,817,423		
6	Dec-19		636,922,510		2,862,906		133,546,526		16,804,137		138,417,347		9,258,178		24,089,832		20,823,328		
7	Jan-20		640,344,005		2,862,906		133,667,736		16,819,748		138,339,771		9,258,178		24,089,832		20,823,328		
8	Feb-20		641,458,907		2,862,906		133,671,050		16,827,395		138,822,180		9,258,178		24,215,062		20,823,328		
9	Mar-20		644,386,590		2,835,657		133,670,987		16,831,767		138,920,652		9,258,178		24,215,064		20,823,328		
10	Apr-20		658,135,639		2,846,417		133,683,022		16,866,435		139,223,049		9,258,178		28,044,896		20,823,328		
11	May-20		660,645,413		2,846,417		133,681,235		16,945,857		139,299,439		9,258,178		28,051,227		20,823,328		
12	Jun-20		664,968,859		2,714,030		133,681,229		16,925,736		139,949,087		9,258,178		28,051,470		20,823,328		
13	Jul-20		669,733,205		2,714,030		133,681,229		16,948,371		142,209,197		9,258,178		28,239,567		20,823,328		
14	Aug-20		674,721,175		2,714,030		133,863,502		16,948,741		144,894,808		9,258,178		20,823,328		20,823,328		
15	Sep-20		681,907,605		2,714,030		133,540,878		16,948,650		134,787,275		9,258,178		28,246,300		20,823,328		
16	Average	\$	650,739,725	\$	3,010,062	\$	133,348,984	\$	16,867,634	\$	138,496,743	\$	9,258,178	\$	25,410,481	\$	20,788,527		
17																			
18	<b>Construction Work in Process (Account 1070)</b>																		
19																			
20	Sep-19	\$	17,139,253	\$	581,303	\$	2,216,424	\$	-	\$	21,726,795	\$	-	\$	-	\$	-	\$	-
21	Oct-19		16,295,575		298,408		978,576		-		15,152,722		-		0		0		
22	Nov-19		17,927,510		203,327		1,058,383		-		14,750,491		-		0		0		
23	Dec-19		18,506,546		612,458		114,886		-		13,881,385		-		0		0		
24	Jan-20		17,940,295		991,552		49,774		-		15,390,780		-		0		0		
25	Feb-20		20,933,599		864,189		59,734		-		16,617,058		-		0		0		
26	Mar-20		22,740,802		713,149		104,600		-		18,632,122		-		0		0		
27	Apr-20		12,832,747		441,652		402,354		-		16,776,763		-		0		0		
28	May-20		15,333,288		337,958		676,402		-		17,511,460		-		0		0		
29	Jun-20		16,759,771		766,864		913,104		-		14,019,762		-		0		0		
30	Jul-20		16,554,672		676,771		1,222,124		-		20,143,713		-		0		0		
31	Aug-20		14,381,041		414,226		1,264,591		-		19,346,319		-		0		0		
32	Sep-20		14,570,613		519,758		1,653,501		-		23,789,041		-		0		0		
33	Average	\$	17,070,439	\$	570,893	\$	824,189	\$	-	\$	17,518,339	\$	-	\$	-	\$	-	\$	-

## WP 7-2

										Factors	Division 093	Division 091	Division 012	CKV	Division 002	Greenville	AEAM	ALGN		
										FY19	100%	40.59%	4.63%	1.44%	4.16%	1.27%	5.09%	0.00%		
Line No.	Month	Division 093 - Tennessee	Division 091 - Mid-States General Office	Division 012 - SSU Customer	CKV	Division 002 - SSU General	Greenville	AEAM	ALGN	FY20	100%	40.79%	4.68%	2.00%	4.16%	1.28%	5.10%	8.78%	Total Tennessee	
	(a)	(b)	(c)	(d)	(e)	(f)	(g)				(h)	(i)	(j)	(k)	(l)	(m)			(n)	
34	Inventories- Plant Materials (Account 1540)																			
35																				
36																				
37	Sep-19	\$ -	\$ 64,640	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-	\$ 26,237	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	26,237	
38	Oct-19	-	64,640	-	-	56,277	0	0	0	0	0	26,367	0	0	2,344	0	0	0	28,710	
39	Nov-19	-	64,640	-	-	56,277	0	0	0	0	0	26,367	0	0	2,344	0	0	0	28,710	
40	Dec-19	-	64,640	-	-	56,277	0	0	0	0	0	26,367	0	0	2,344	0	0	0	28,710	
41	Jan-20	-	64,640	-	-	-	0	0	0	0	0	26,367	0	0	0	0	0	0	26,367	
42	Feb-20	-	92,824	-	-	0	0	0	0	0	0	37,863	0	0	0	0	0	0	37,863	
43	Mar-20	-	155,238	-	-	0	0	0	0	0	0	63,322	0	0	0	0	0	0	63,322	
44	Apr-20	-	157,820	-	-	0	0	0	0	0	0	64,375	0	0	0	0	0	0	64,375	
45	May-20	-	273,631	-	-	0	0	0	0	0	0	111,614	0	0	0	0	0	0	111,614	
46	Jun-20	-	273,584	-	-	0	0	0	0	0	0	111,595	0	0	0	0	0	0	111,595	
47	Jul-20	-	275,258	-	-	0	0	0	0	0	0	112,278	0	0	0	0	0	0	112,278	
48	Aug-20	-	410,816	-	-	0	0	0	0	0	0	167,572	0	0	0	0	0	0	167,572	
49	Sep-20	-	581,043	-	-	0	0	0	0	0	0	237,008	0	0	0	0	0	0	237,008	
50	Average	\$ -	\$ 195,647	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-	\$ 79,795	\$ -	\$ -	\$ 541	\$ -	\$ -	\$ -	\$ 80,335	
51																				
52																				
53	Inventories- Gas Stored (Account 1641)																			
54	Includes Tennessee stored gas in Division 93 and an allocated portion of Tennessee stored gas in Division 96																			
55	Sep-19	\$ 6,154,782	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,154,782	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	6,154,782	
56	Oct-19	7,367,805	-	-	-	-	0	0	0	7,367,805	0	0	0	0	0	0	0	0	7,367,805	
57	Nov-19	6,141,823	-	-	-	-	0	0	0	6,141,823	0	0	0	0	0	0	0	0	6,141,823	
58	Dec-19	5,202,560	-	-	-	-	0	0	0	5,202,560	0	0	0	0	0	0	0	0	5,202,560	
59	Jan-20	3,434,389	-	-	-	-	0	0	0	3,434,389	0	0	0	0	0	0	0	0	3,434,389	
60	Feb-20	2,094,812	-	-	-	-	0	0	0	2,094,812	0	0	0	0	0	0	0	0	2,094,812	
61	Mar-20	1,719,027	-	-	-	-	0	0	0	1,719,027	0	0	0	0	0	0	0	0	1,719,027	
62	Apr-20	1,630,389	-	-	-	-	0	0	0	1,630,389	0	0	0	0	0	0	0	0	1,630,389	
63	May-20	2,142,150	-	-	-	-	0	0	0	2,142,150	0	0	0	0	0	0	0	0	2,142,150	
64	Jun-20	2,735,086	-	-	-	-	0	0	0	2,735,086	0	0	0	0	0	0	0	0	2,735,086	
65	Jul-20	3,354,001	-	-	-	-	0	0	0	3,354,001	0	0	0	0	0	0	0	0	3,354,001	
66	Aug-20	3,912,974	-	-	-	-	0	0	0	3,912,974	0	0	0	0	0	0	0	0	3,912,974	
67	Sep-20	4,697,916	-	-	-	-	0	0	0	4,697,916	0	0	0	0	0	0	0	0	4,697,916	
68	Average	\$ 3,891,363	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,891,363	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,891,363	

Tennessee Distribution System  
Reallocation of Rate Base Items at Proforma Allocation Factors  
Twelve Months Ended September 30, 2020

										Factors	Division 093	Division 091	Division 012	CKV	Division 002	Greenville	AEAM	ALGN	
										FY19	100%	40.59%	4.63%	1.44%	4.16%	1.27%	5.09%	0.00%	
Line No.	Month	Division 093 - Tennessee	Division 091 - Mid-States General Office	Division 012 - SSU Customer	CKV	Division 002 - SSU General	Greenville	AEAM	ALGN	FY20	100%	40.79%	4.68%	2.00%	4.16%	1.28%	5.10%	8.78%	Total Tennessee
	(a)	(b)	(c)	(d)	(e)	(f)	(g)				(h)	(i)	(j)	(k)	(l)	(m)			(n)
69																			
70	Customers Deposits (Account 2350)																		
71																			
72	Sep-19	\$ (1,388,443)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (1,388,443)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	(1,388,443)
73	Oct-19	(1,347,932)	-	-	-	-	0	0	0	(1,347,932)	0	0	0	0	0	0	0	0	(1,347,932)
74	Nov-19	(1,307,274)	-	-	-	-	0	0	0	(1,307,274)	0	0	0	0	0	0	0	0	(1,307,274)
75	Dec-19	(1,282,755)	-	-	-	-	0	0	0	(1,282,755)	0	0	0	0	0	0	0	0	(1,282,755)
76	Jan-20	(1,253,245)	-	-	-	-	0	0	0	(1,253,245)	0	0	0	0	0	0	0	0	(1,253,245)
77	Feb-20	(1,239,727)	-	-	-	-	0	0	0	(1,239,727)	0	0	0	0	0	0	0	0	(1,239,727)
78	Mar-20	(1,231,062)	-	-	-	-	0	0	0	(1,231,062)	0	0	0	0	0	0	0	0	(1,231,062)
79	Apr-20	(1,206,550)	-	-	-	-	0	0	0	(1,206,550)	0	0	0	0	0	0	0	0	(1,206,550)
80	May-20	(1,195,136)	-	-	-	-	0	0	0	(1,195,136)	0	0	0	0	0	0	0	0	(1,195,136)
81	Jun-20	(1,180,553)	-	-	-	-	0	0	0	(1,180,553)	0	0	0	0	0	0	0	0	(1,180,553)
82	Jul-20	(1,154,118)	-	-	-	-	0	0	0	(1,154,118)	0	0	0	0	0	0	0	0	(1,154,118)
83	Aug-20	(1,144,835)	-	-	-	-	0	0	0	(1,144,835)	0	0	0	0	0	0	0	0	(1,144,835)
84	Sep-20	(1,138,262)	-	-	-	-	0	0	0	(1,138,262)	0	0	0	0	0	0	0	0	(1,138,262)
85	Average	\$ (1,236,145)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (1,236,145)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	(1,236,145)
86																			
87																			
88	Accumulated Deferred FIT (Total Accounts 1900, 2820, 2830)																		
89																			
90	Sep-19	(66,397,993)	(1,969,115)	(16,141,705)	-	657,020,955	\$ -	\$ -	\$ -	\$ (66,397,993)	\$ (799,264)	\$ (747,531)	\$ -	\$ 27,331,921	\$ -	\$ -	\$ -	\$ -	(40,612,868)
91	Oct-19	(66,426,047)	(1,969,115)	(16,141,705)	-	656,917,190	-	-	-	(66,426,047)	(803,202)	(755,240)	0	27,358,124	0	0	0	0	(40,626,365)
92	Nov-19	(66,449,471)	(1,969,115)	(16,141,705)	-	656,813,425	-	-	-	(66,449,471)	(803,202)	(755,240)	0	27,353,803	0	0	0	0	(40,654,110)
93	Dec-19	(68,382,700)	(2,187,315)	(16,421,952)	-	658,289,326	-	-	-	(68,382,700)	(892,206)	(768,352)	0	27,415,269	0	0	0	0	(42,627,990)
94	Jan-20	(68,402,410)	(2,187,315)	(16,421,952)	-	658,185,561	-	-	-	(68,402,410)	(892,206)	(768,352)	0	27,410,947	0	0	0	0	(42,652,021)
95	Feb-20	(68,422,120)	(2,187,315)	(16,421,952)	-	658,081,797	-	-	-	(68,422,120)	(892,206)	(768,352)	0	27,406,626	0	0	0	0	(42,676,052)
96	Mar-20	(70,699,184)	(546,197)	(16,105,004)	-	620,002,002	-	-	-	(70,699,184)	(222,794)	(753,523)	0	25,820,746	0	0	0	0	(45,854,755)
97	Apr-20	(70,718,894)	(546,197)	(16,105,004)	-	624,350,791	-	-	-	(70,718,894)	(222,794)	(753,523)	0	26,001,857	0	0	0	0	(45,693,354)
98	May-20	(70,738,604)	(546,197)	(16,105,004)	-	620,266,654	-	-	-	(70,738,604)	(222,794)	(753,523)	0	25,831,768	0	0	0	0	(45,883,153)
99	Jun-20	(68,839,713)	(2,942,181)	(15,295,491)	-	626,463,378	-	-	-	(68,839,713)	(1,200,116)	(715,647)	0	26,089,838	0	0	0	0	(44,665,638)
100	Jul-20	(68,859,423)	(2,942,181)	(15,295,491)	-	633,564,831	-	-	-	(68,859,423)	(1,200,116)	(715,647)	0	26,385,587	0	0	0	0	(44,389,599)
101	Aug-20	(68,879,133)	(2,942,181)	(15,295,491)	-	611,478,066	-	-	-	(68,879,133)	(1,200,116)	(715,647)	0	25,465,756	0	0	0	0	(45,329,140)
102	Sep-20	(69,668,489)	(3,344,951)	(14,865,719)	-	638,532,202	-	-	-	(69,668,489)	(1,364,406)	(695,539)	0	26,592,459	0	0	0	0	(45,135,975)
103	Average	\$ (68,683,398)	\$ (2,021,490)	\$ (15,904,475)	\$ -	639,997,398	\$ -	\$ -	\$ -	\$ (68,683,398)	\$ (824,263)	\$ (743,548)	\$ -	\$ 26,651,131	\$ -	\$ -	\$ -	\$ -	(43,600,078)

NP 7-2

										Factors	Division 093	Division 091	Division 012	CKV	Division 002	Greenville	AEAM	ALGN	
										FY19	100%	40.59%	4.63%	1.44%	4.16%	1.27%	5.09%	0.00%	
Line No.	Month	Division 093 - Tennessee	Division 091 - Mid-States General Office	Division 012 - SSU Customer	CKV	Division 002 - SSU General	Greenville	AEAM	ALGN	FY20	100%	40.79%	4.68%	2.00%	4.16%	1.28%	5.10%	8.78%	Total Tennessee
	(a)	(b)	(c)	(d)	(e)	(f)	(g)				(h)	(i)	(j)	(k)	(l)	(m)			(n)
104	Accumulated Depreciation ( Account 1080)																		
105																			
106																			
107	Sep-19	\$ (210,058,746)	\$ (2,033,998)	\$ (49,037,820)	\$ (4,056,752)	\$ (63,860,404)	\$ (3,996,640)	\$ (13,974,379)	\$ (5,202,803)	\$ (210,058,746)	\$ (825,600)	\$ (2,270,969)	\$ (58,416)	\$ (2,656,578)	\$ (50,895)	\$ (711,776)	\$ -	\$ (216,632,980)	
108	Oct-19	\$ (210,966,958)	\$ (2,038,907)	\$ (49,714,116)	\$ (4,103,184)	\$ (64,626,984)	\$ (4,020,353)	\$ (14,109,838)	\$ (5,314,786)	\$ (210,966,958)	\$ (831,670)	\$ (2,326,031)	\$ (82,197)	\$ (2,691,470)	\$ (51,380)	\$ (719,419)	\$ (466,412)	\$ (218,135,537)	
109	Nov-19	\$ (211,906,448)	\$ (2,043,817)	\$ (50,390,422)	\$ (4,149,615)	\$ (65,392,095)	\$ (4,044,067)	\$ (14,245,293)	\$ (5,426,778)	\$ (211,906,448)	\$ (833,673)	\$ (2,357,674)	\$ (83,127)	\$ (2,723,334)	\$ (51,683)	\$ (726,326)	\$ (476,240)	\$ (219,158,504)	
110	Dec-19	\$ (212,864,506)	\$ (1,190,538)	\$ (50,792,385)	\$ (4,196,032)	\$ (61,711,400)	\$ (4,067,781)	\$ (14,380,747)	\$ (5,538,796)	\$ (212,864,506)	\$ (485,620)	\$ (2,376,481)	\$ (84,057)	\$ (2,570,047)	\$ (51,986)	\$ (733,232)	\$ (486,070)	\$ (219,651,999)	
111	Jan-20	\$ (213,461,879)	\$ (1,194,371)	\$ (51,471,531)	\$ (4,243,306)	\$ (62,463,587)	\$ (4,091,494)	\$ (14,516,202)	\$ (5,650,814)	\$ (213,461,879)	\$ (487,184)	\$ (2,408,257)	\$ (85,004)	\$ (2,601,373)	\$ (52,289)	\$ (740,138)	\$ (495,901)	\$ (220,332,025)	
112	Feb-20	\$ (214,384,964)	\$ (1,198,204)	\$ (52,150,693)	\$ (4,289,937)	\$ (63,207,121)	\$ (4,115,208)	\$ (14,657,268)	\$ (5,762,832)	\$ (214,384,964)	\$ (488,747)	\$ (2,440,033)	\$ (85,938)	\$ (2,632,338)	\$ (52,592)	\$ (747,331)	\$ (505,731)	\$ (221,337,676)	
113	Mar-20	\$ (215,689,263)	\$ (1,174,690)	\$ (52,830,796)	\$ (4,336,553)	\$ (63,955,279)	\$ (4,138,910)	\$ (14,793,651)	\$ (5,875,879)	\$ (215,689,263)	\$ (479,156)	\$ (2,471,854)	\$ (86,872)	\$ (2,663,496)	\$ (52,895)	\$ (754,285)	\$ (515,652)	\$ (222,713,474)	
114	Apr-20	\$ (215,219,197)	\$ (1,179,263)	\$ (53,510,931)	\$ (4,385,145)	\$ (64,704,380)	\$ (4,162,612)	\$ (14,954,151)	\$ (5,988,926)	\$ (215,219,197)	\$ (481,022)	\$ (2,503,676)	\$ (87,846)	\$ (2,694,693)	\$ (53,198)	\$ (762,468)	\$ (525,573)	\$ (222,327,673)	
115	May-20	\$ (216,242,710)	\$ (1,183,837)	\$ (54,191,054)	\$ (4,433,551)	\$ (65,449,589)	\$ (4,186,315)	\$ (15,114,698)	\$ (6,101,973)	\$ (216,242,710)	\$ (482,887)	\$ (2,535,498)	\$ (88,815)	\$ (2,725,729)	\$ (53,501)	\$ (770,654)	\$ (535,493)	\$ (223,435,287)	
116	Jun-20	\$ (217,311,330)	\$ (1,055,380)	\$ (54,871,177)	\$ (4,460,503)	\$ (66,199,010)	\$ (4,210,017)	\$ (15,275,248)	\$ (6,215,020)	\$ (217,311,330)	\$ (430,489)	\$ (2,567,320)	\$ (89,355)	\$ (2,756,939)	\$ (53,804)	\$ (778,840)	\$ (545,414)	\$ (224,533,492)	
117	Jul-20	\$ (217,701,623)	\$ (1,059,153)	\$ (55,551,301)	\$ (4,507,859)	\$ (66,976,216)	\$ (4,233,720)	\$ (15,437,845)	\$ (6,328,067)	\$ (217,701,623)	\$ (432,029)	\$ (2,599,141)	\$ (90,304)	\$ (2,789,307)	\$ (54,107)	\$ (787,130)	\$ (555,335)	\$ (225,008,976)	
118	Aug-20	\$ (218,249,864)	\$ (1,062,926)	\$ (56,232,950)	\$ (4,555,048)	\$ (67,807,620)	\$ (4,257,422)	\$ (15,604,092)	\$ (6,441,114)	\$ (218,249,864)	\$ (433,568)	\$ (2,631,035)	\$ (91,249)	\$ (2,823,932)	\$ (54,410)	\$ (795,607)	\$ (565,256)	\$ (225,644,917)	
119	Sep-20	\$ (219,109,839)	\$ (1,066,700)	\$ (56,470,820)	\$ (4,602,223)	\$ (57,538,247)	\$ (4,281,124)	\$ (15,770,532)	\$ (6,554,161)	\$ (219,109,839)	\$ (435,107)	\$ (2,642,164)	\$ (92,194)	\$ (2,396,251)	\$ (54,712)	\$ (804,093)	\$ (575,176)	\$ (226,109,539)	
120	Average	\$ (214,859,025)	\$ (1,344,753)	\$ (52,862,769)	\$ (4,332,285)	\$ (64,145,533)	\$ (4,138,897)	\$ (14,833,380)	\$ (5,877,073)	\$ (214,859,025)	\$ (548,212)	\$ (2,471,549)	\$ (85,029)	\$ (2,671,191)	\$ (52,881)	\$ (756,254)	\$ (480,635)	\$ (221,924,775)	
121																			
122	Customers Advances (Account 2520)																		
123																			
124																			
125	Sep-19	\$ (20,280)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (20,280)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (20,280)
126	Oct-19	\$ (20,280)	-	-	-	-	-	-	-	\$ (20,280)	0	0	0	0	0	0	0	0	\$ (20,280)
127	Nov-19	\$ (20,280)	-	-	-	-	-	-	-	\$ (20,280)	0	0	0	0	0	0	0	0	\$ (20,280)
128	Dec-19	\$ (20,280)	-	-	-	-	-	-	-	\$ (20,280)	0	0	0	0	0	0	0	0	\$ (20,280)
129	Jan-20	\$ (20,280)	-	-	-	-	-	-	-	\$ (20,280)	0	0	0	0	0	0	0	0	\$ (20,280)
130	Feb-20	\$ (20,280)	-	-	-	-	-	-	-	\$ (20,280)	0	0	0	0	0	0	0	0	\$ (20,280)
131	Mar-20	\$ (20,280)	-	-	-	-	-	-	-	\$ (20,280)	0	0	0	0	0	0	0	0	\$ (20,280)
132	Apr-20	\$ (20,280)	-	-	-	-	-	-	-	\$ (20,280)	0	0	0	0	0	0	0	0	\$ (20,280)
133	May-20	\$ (20,280)	-	-	-	-	-	-	-	\$ (20,280)	0	0	0	0	0	0	0	0	\$ (20,280)
134	Jun-20	\$ (20,280)	-	-	-	-	-	-	-	\$ (20,280)	0	0	0	0	0	0	0	0	\$ (20,280)
135	Jul-20	\$ (20,280)	-	-	-	-	-	-	-	\$ (20,280)	0	0	0	0	0	0	0	0	\$ (20,280)
136	Aug-20	\$ (20,280)	-	-	-	-	-	-	-	\$ (20,280)	0	0	0	0	0	0	0	0	\$ (20,280)
137	Sep-20	\$ (20,280)	-	-	-	-	-	-	-	\$ (20,280)	0	0	0	0	0	0	0	0	\$ (20,280)
138	Average	\$ (20,280)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (20,280)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (20,280)



## WP 7-2

											Factors	Division 093	Division 091	Division 012	CKV	Division 002	Greenville	AEAM	ALGN		
											FY19	100%	40.59%	4.63%	1.44%	4.16%	1.27%	5.09%	0.00%		
Line No.	Month	Division 093 - Tennessee	Division 091 - Mid-States General Office	Division 012 - SSU Customer	CKV	Division 002 - SSU General		Greenville	AEAM	ALGN	FY20	100%	40.79%	4.68%	2.00%	4.16%	1.28%	5.10%	8.78%	Total Tennessee	
	(a)	(b)	(c)	(d)	(e)	(f)	(g)					(h)	(i)	(j)	(k)	(l)	(m)			(n)	
139																					
140	Interest on Customer Deposits (Account 2370-26919)																				
141																					
142	Sep-19	\$	(28,430)	\$	-	\$	-	\$	-	\$	-	\$	(28,430)	\$	-	\$	-	\$	-	\$	(28,430)
143	Oct-19		(28,936)		-		-		0		0		(28,936)		0		0		0		(28,936)
144	Nov-19		(28,781)		-		-		0		0		(28,781)		0		0		0		(28,781)
145	Dec-19		(29,586)		-		-		0		0		(29,586)		0		0		0		(29,586)
146	Jan-20		(30,507)		-		-		0		0		(30,507)		0		0		0		(30,507)
147	Feb-20		(1,386)		-		-		0		0		(1,386)		0		0		0		(1,386)
148	Mar-20		(5,751)		-		-		0		0		(5,751)		0		0		0		(5,751)
149	Apr-20		(9,617)		-		-		0		0		(9,617)		0		0		0		(9,617)
150	May-20		(13,482)		-		-		0		0		(13,482)		0		0		0		(13,482)
151	Jun-20		(16,683)		-		-		0		0		(16,683)		0		0		0		(16,683)
152	Jul-20		(19,660)		-		-		0		0		(19,660)		0		0		0		(19,660)
153	Aug-20		(19,235)		-		-		0		0		(19,235)		0		0		0		(19,235)
154	Sep-20		(20,060)		-		-		0		0		(20,060)		0		0		0		(20,060)
155	Average	\$	(19,393)	\$	-	\$	-	\$	-	\$	-	\$	(19,393)	\$	-	\$	-	\$	-	\$	(19,393)
156																					
157																					
158	Net elimination of intercompany leased property																				
159																					
160	Sep-19	\$	5,650,655	\$	-	\$	-	\$	-	\$	-	\$	5,650,655	\$	-	\$	-	\$	-	\$	5,650,655
161	Oct-19		5,631,894		-		-		0		0		5,631,894		0		0		0		5,631,894
162	Nov-19		5,613,134		-		-		0		0		5,613,134		0		0		0		5,613,134
163	Dec-19		5,594,373		-		-		0		0		5,594,373		0		0		0		5,594,373
164	Jan-20		5,575,553		-		-		0		0		5,575,553		0		0		0		5,575,553
165	Feb-20		5,556,732		-		-		0		0		5,556,732		0		0		0		5,556,732
166	Mar-20		5,561,950		-		-		0		0		5,561,950		0		0		0		5,561,950
167	Apr-20		5,543,129		-		-		0		0		5,543,129		0		0		0		5,543,129
168	May-20		5,524,308		-		-		0		0		5,524,308		0		0		0		5,524,308
169	Jun-20		5,505,488		-		-		0		0		5,505,488		0		0		0		5,505,488
170	Jul-20		5,486,667		-		-		0		0		5,486,667		0		0		0		5,486,667
171	Aug-20		6,525,354		-		-		0		0		6,525,354		0		0		0		6,525,354
172	Sep-20		6,511,205		-		-		0		0		6,511,205		0		0		0		6,511,205
173	Average	\$	5,713,880	\$	-	\$	-	\$	-	\$	-	\$	5,713,880	\$	-	\$	-	\$	-	\$	5,713,880

WP 7-3

**Tennessee Distribution System  
Pension Regulated Asset  
Twelve Months Ended September 30, 2020**

Line No.				
1	Annual benchmark per Docket 12-00064	2,086,819		
2	Quarterly benchmark	521,705		
3				
4		Contribution	Benchmark	Difference
5	Quarter ended 3/31/13	521,705	521,705	-
6	Quarter ended 6/30/13	641,911	521,705	120,206
7	Quarter ended 9/30/13	1,038,413	521,705	516,708
8	Quarter ended 12/31/13	417,671	521,705	(104,034)
9	Quarter ended 3/30/14	390,181	521,705	(131,524)
10	Quarter ended 6/30/14	1,418,839	521,705	897,134
11		\$ 4,428,719	\$ 3,130,229	\$ 1,298,490
12				
13	Monthly Amortization			
14	2 years amortization			\$ 54,104
15				
16		Regulated Asset		
17		Amortization Expense	Balance	
18	Sep-15		1,082,075	
19	Oct-15	54,104	1,027,971	
20	Nov-15	54,104	973,868	
21	Dec-15	54,104	919,764	
22	Jan-16	54,104	865,660	
23	Feb-16	54,104	811,556	
24	Mar-16	54,104	757,453	
25	Apr-16	54,104	703,349	
26	May-16	54,104	649,245	
27	Jun-16	54,104	595,141	
28	Jul-16	54,104	541,038	
29	Aug-16	54,104	486,934	
30	Sep-16	54,104	432,830	
31	Oct-16	54,104	378,726	
32	Nov-16	54,104	324,623	
33	Dec-16	54,104	270,519	
34	Jan-17	54,104	216,415	
35	Feb-17	54,104	162,311	
36	Mar-17	54,104	108,208	
37	Apr-17	54,104	54,104	
38	May-17	54,104	-	
39	Jun-17		-	
40	Jul-17		-	
41	Aug-17		-	
42	Sep-17		-	
43	Oct-17		-	
44	Nov-17		-	
45	Dec-17		-	
46	Jan-18		-	
47	Feb-18		-	
48	Mar-18		-	
49	Apr-18		-	
50	May-18		-	
51	Jun-18		-	
52	Jul-18		-	
53	Aug-18		-	
54	Sep-18		-	
55	Oct-18		-	
56	Nov-18		-	
57	Dec-18		-	
58	Jan-19		-	
59	Feb-19		-	
60	Mar-19		-	
61	Apr-19		-	
62	May-19		-	
63	Jun-19		-	
64	Jul-19		-	
65	Aug-19		-	
66	Sep-19		-	
67	Oct-19		-	
68	Nov-19		-	
69	Dec-19		-	
70	Jan-20		-	
71	Feb-20		-	
72	Mar-20		-	
73	Apr-20		-	
74	May-20		-	
75	Jun-20		-	
76	Jul-20		-	
77	Aug-20		-	
78	Sep-20		-	
78	Annual Amortization	\$ -	\$ -	13 month average

WP 7-4

**Tennessee Distribution System  
Accumulated Deferred Income Tax  
Shared Services Division 002  
Twelve Months Ended September 30, 2020**

Line No.	Month	Total SSU 002	Non-regulated NOL[1]	Regulated Utility NOL	Other ADIT	SSU Utility ADIT
	(a)	(b)	(c)	(d)	(e)	(f)
1	Sep-19	498,859,856	(158,161,099)	609,990,361	47,030,594	657,020,955
2	Oct-19	498,756,091	(158,161,099)	609,990,361	46,926,829	656,917,190
3	Nov-19	498,652,326	(158,161,099)	609,990,361	46,823,064	656,813,425
4	Dec-19	498,493,368	(159,795,958)	613,554,225	44,735,101	658,289,326
5	Jan-20	498,389,603	(159,795,958)	613,554,225	44,631,336	658,185,561
6	Feb-20	498,285,839	(159,795,958)	613,554,225	44,527,572	658,081,797
7	Mar-20	459,234,694	(160,767,308)	576,886,666	43,115,336	620,002,002
8	Apr-20	463,583,483	(160,767,308)	576,886,666	47,464,125	624,350,791
9	May-20	459,499,346	(160,767,308)	576,886,666	43,379,988	620,266,654
10	Jun-20	464,665,770	(161,797,608)	586,992,749	39,470,629	626,463,378
11	Jul-20	471,767,223	(161,797,608)	586,992,749	46,572,082	633,564,831
12	Aug-20	449,680,458	(161,797,608)	586,992,749	24,485,317	611,478,066
13	Sep-20	476,937,461	(161,594,741)	608,544,074	29,988,128	638,532,202
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						
31						
32						
33						

[1] FD - NOL Credit Carryforward - Non Reg

WP 7-5

**Atmos Energy Corporation-Tennessee**  
**Cash Working Capital Lead/Lag Analysis**  
**For Twelve Months Ended September 30, 2020**

Line No.		Base Period
1	Revenue Lag	37.50
2		
3	Expense Lag	34.02
4		
5	Net Lag	3.48
6		
7	Daily Cost of Service	386,173
8		
9	Cash Working Capital	1,343,531

WP 7-6

**Atmos Energy Corporation-Tennessee**  
**Cash Working Capital Lead/Lag Analysis**  
**For Twelve Months Ended September 30, 2020**

Line No.	Description	Attrition Year Expenses	Expense Lag	CWC Requirement (b) x (c)
	(a)	(b)	(c)	(d)
1	Gas Supply Expense			
2	Purchased Gas			
3				
4	Operation and Maintenance Expense			
5	O&M, Labor			
6	O&M, Non-Labor			
7	Total O&M Expense			
8				
9				
10	Taxes Other Than Income			
11	Ad Valorem			
12	State Gross Receipts Tax			
13	Payroll Taxes			
14	Franchise Tax			
15	TRA Inspection Fee			
16	DOT			
17				
18	Allocated Taxes-Shared Services			
19	Ad Valorem	14%		
20	Payroll Taxes	86%		
21				
22	Allocated Taxes-Business Unit			
23	Ad Valorem	27%		
24	Payroll Taxes	73%		
25	Total Taxes Other Than Income			
26				
27	Federal Income Tax			
28	Current Taxes			
29	Deferred Taxes			
30				
31	State Excise Tax			
32	Current Taxes			
33	Deferred Taxes			
34				
35	Depreciation			
36				
37	Interest on Customer Deposits			
38				
39	Interest Expense - LTD			
40				
41	Interest Expense - STD			
42				
43	Return on Equity			
44				
45				
46	TOTAL			
47				
48	Daily Cost of Service			
49				
50				

WP 7-7

**Atmos Energy Corporation-Tennessee**  
**Cash Working Capital Lead/Lag Analysis**  
**For Twelve Months Ended September 30, 2020**

Line No.	Description	Histori Base Period	Expense Lag	CWC Requirement (b) x (c)
	(a)	(b)	(c)	(d)
1	Gas Supply Expense			
2	Purchased Gas	58,864,188	39.33	2,315,128,517
3				
4	Operation and Maintenance Expense			
5	O&M, Labor	8,240,031	14.07	115,937,232
6	O&M, Non-Labor	13,217,983	29.43	389,005,234
7	Total O&M Expense	21,458,013		504,942,466
8				
9				
10	Taxes Other Than Income			
11	Ad Valorem	5,197,036	241.50	1,255,084,095
12	State Gross Receipts Tax	1,158,580	(151.50)	(175,524,918)
13	Payroll Taxes	247,086	15.41	3,807,510
14	Franchise Tax	1,002,000	37.50	37,575,000
15	TRA Inspection Fee	605,546	272.50	165,011,413
16	DOT	23,106	59.00	1,363,227
17				
18	Allocated Taxes-Shared Services			
19	Ad Valorem	0% -	241.50	-
20	Payroll Taxes	100% 360,893	15.41	5,561,239
21				
22	Allocated Taxes-Business Unit			
23	Ad Valorem	36% 40,924	241.50	9,883,222
24	Payroll Taxes	64% 71,418	15.41	1,100,527
25	Total Taxes Other Than Income	8,706,589		1,303,861,315
26				
27	Federal Income Tax	3,924,897		
28	Current Taxes	-	37.50	-
29	Deferred Taxes	3,924,897	-	-
30				
31	State Excise Tax	1,299,304		
32	Current Taxes	-	37.50	-
33	Deferred Taxes	1,299,304	-	-
34				
35	Depreciation	15,305,874	-	-
36				
37	Interest on Customer Deposits	40,175	182.50	7,331,888
38				
39	Interest Expense - LTD	7,244,442	91.25	661,055,291
40				
41	Interest Expense - STD	126,357	24.05	3,038,707
42				
43	Return on Equity	23,983,416		-
44				
45				
46	TOTAL	140,953,255	34.02	4,795,358,184
47				
48	Daily Cost of Service	386,173		13,137,968
49				
50				

Tennessee Distribution System  
Amortization Schedule of Capitalized Incentive Compensation Adjustment  
For the Twelve Months Ended September 30, 2020

Line No.	Description	Amounts	Amounts
1	(a)	(b)	(c)
2	<u>Forward Looking Test Year</u>	Rate Base	Depreciation Expense
3			
4			
5			
6			
7			
8			
9			
10		\$ -	\$ -
11	<u>Historic Base Period</u>		
12	Docket No. 16-00013, 2016 TN ARM Amortization Schedule of Capitalized Incentive Compensation Adjustment, TYE 5-31-16	\$ 1,102,469	\$ 29,796
13	Docket No. 17-00012, 2017 TN ARM Amortization Schedule of Capitalized Incentive Compensation Adjustment, TYE 9-30-17	1,193,865	29,847
14	Docket No. 18-00067, 2018 TN ARM Amortization Schedule of Capitalized Incentive Compensation Adjustment, TYE 9-30-18	940,489	22,939
15	Docket No. 19-00076, 2019 TN ARM Amortization Schedule of Capitalized Incentive Compensation Adjustment, TYE 9-30-19	1,025,622	24,420
16	Docket No. xxxxxxx, 2020 TN ARM Amortization Schedule of Capitalized Incentive Compensation Adjustment, TYE 9-30-20	1,229,330	28,589
17	Total	\$ 5,491,775	\$ 135,590
18			
19			
20			
21	*Historic Base Period Amounts for the period of 2020		

Tennessee Distribution System Deferred Regulatory Liability Amortization											WP 7-9	
Date Rates Last Set:		6/1/2019	Reg Liability Currently in Rates:		29,024,530	Current Amortization Period (Years):		28				
Date of Next Rate Implementation:		3/1/2021	Final Reg Liability		29,337,265	Final Amortization Period:		29				
Final Amortization Month:		9/30/2047	Unprotected Balance:		18,853,052	Unprotected Amortization Period:		3				
			Protected Balance:		10,484,213	Max. Monthly Protected Amortization		\$	30,127			
			RTP		312,122							
Liability			Amortization				GL Balance					
Protected Balance			Unprotected Balance		Total Reg Liability Balance	Accelerated		Cumulative Balance - Amortization	Accts 2420-27909, 2530-27909	Reg liab vs GL diff	Total Reg Liab	
Beginning			(9,888,366)		(17,784,704)	(27,673,070)						
Amortized Through 5/31/21												
10/31/2018			(9,858,239)	(17,732,471)	(27,590,710)	(30,127)	(52,233)	(82,360)	(82,360)		(27,673,070)	
11/30/2018			(9,828,112)	(17,680,237)	(27,508,349)	(30,127)	(52,233)	(82,360)	(164,721)		(27,673,070)	
12/31/2018			(9,797,985)	(17,628,004)	(27,425,989)	(30,127)	(52,233)	(82,360)	(247,081)		(27,673,070)	
1/31/2019			(9,767,858)	(17,575,771)	(27,343,629)	(30,127)	(52,233)	(82,360)	(329,441)		(27,673,070)	
2/28/2019			(9,737,731)	(17,523,537)	(27,261,268)	(30,127)	(52,233)	(82,360)	(411,802)		(27,673,070)	
3/31/2019			(9,707,604)	(17,471,304)	(27,178,908)	(30,127)	(52,233)	(82,360)	(494,162)		(27,673,070)	
4/30/2019			(9,677,477)	(17,419,071)	(27,096,548)	(30,127)	(52,233)	(82,360)	(576,522)		(27,673,070)	
5/31/2019			(9,647,350)	(17,366,837)	(27,014,187)	(30,127)	(52,233)	(82,360)	(658,883)		(27,673,070)	
Adj. with 6/1/2019 Implementation			(482,915)	(868,545)	(1,351,460)						(1,351,460)	
6/30/2019			(10,100,138)	(18,179,127)	(28,279,265)	(30,127)	(56,256)	(86,383)	(745,265)		(29,024,530)	
7/31/2019			(10,070,011)	(18,122,871)	(28,192,882)	(30,127)	(56,256)	(86,383)	(831,648)		(29,024,530)	
8/31/2019			(10,039,884)	(18,066,616)	(28,106,500)	(30,127)	(56,256)	(86,383)	(918,030)		(29,024,530)	
9/30/2019			(10,009,757)	(18,010,360)	(28,020,117)	(30,127)	(56,256)	(86,383)	(1,004,413)	(28,331,420)	311,302	(29,024,530)
10/31/2019			(9,979,630)	(17,954,105)	(27,933,735)	(30,127)	(56,256)	(86,383)	(1,090,795)	(28,249,059)	315,325	(29,024,530)
11/30/2019			(9,949,503)	(17,897,849)	(27,847,352)	(30,127)	(56,256)	(86,383)	(1,177,178)	(28,166,699)	319,347	(29,024,530)
12/31/2019			(9,919,376)	(17,841,594)	(27,760,970)	(30,127)	(56,256)	(86,383)	(1,263,560)	(28,072,272)	311,302	(29,024,530)
1/31/2020			(9,889,249)	(17,785,338)	(27,674,587)	(30,127)	(56,256)	(86,383)	(1,349,943)	(27,985,890)	311,302	(29,024,530)
2/29/2020			(9,859,122)	(17,729,083)	(27,588,205)	(30,127)	(56,256)	(86,383)	(1,436,325)	(27,899,507)	311,302	(29,024,530)
3/31/2020			(9,828,995)	(17,672,827)	(27,501,822)	(30,127)	(56,256)	(86,383)	(1,522,708)	(27,813,125)	311,303	(29,024,530)
4/30/2020			(9,798,868)	(17,616,572)	(27,415,440)	(30,127)	(56,256)	(86,383)	(1,609,090)	(27,726,742)	311,303	(29,024,530)
5/31/2020			(9,768,741)	(17,560,316)	(27,329,057)	(30,127)	(56,256)	(86,383)	(1,695,473)	(27,640,360)	311,303	(29,024,530)
6/30/2020			(9,738,614)	(17,504,060)	(27,242,674)	(30,127)	(56,256)	(86,383)	(1,781,856)	(27,553,977)	311,302	(29,024,530)
7/31/2020			(9,708,487)	(17,447,805)	(27,156,292)	(30,127)	(56,256)	(86,383)	(1,868,238)	(27,467,594)	311,302	(29,024,530)
8/31/2020			(9,678,360)	(17,391,549)	(27,069,909)	(30,127)	(56,256)	(86,383)	(1,954,621)	(27,381,212)	311,302	(29,024,530)
9/30/2020			(9,648,233)	(17,335,294)	(26,983,527)	(30,127)	(56,256)	(86,383)	(2,041,003)	(27,294,830)	311,303	(29,024,530)
10/31/2020			(9,618,106)	(17,279,038)	(26,897,144)	(30,127)	(56,256)	(86,383)	(2,127,386)			(29,024,530)
11/30/2020			(9,587,979)	(17,222,783)	(26,810,762)	(30,127)	(56,256)	(86,383)	(2,213,768)			(29,024,530)
12/31/2020			(9,557,852)	(17,166,527)	(26,724,379)	(30,127)	(56,256)	(86,383)	(2,300,151)			(29,024,530)
1/31/2021			(9,527,725)	(17,110,272)	(26,637,997)	(30,127)	(56,256)	(86,383)	(2,386,533)			(29,024,530)
2/28/2021			(9,497,598)	(17,054,016)	(26,551,614)	(30,127)	(56,256)	(86,383)	(2,472,916)			(29,024,530)
Adj. with 3/1/2021 Implementation			(112,932)	(199,803)	(312,735)							(312,735)
3/31/2021			(9,580,403)	(16,774,546)	(26,354,949)	(30,127)		(479,273)	(509,400)	(2,982,316)		(29,337,265)
4/30/2021			(9,550,276)	(16,295,274)	(25,845,550)	(30,127)		(479,273)	(509,400)	(3,491,715)		(29,337,265)
5/31/2021			(9,520,149)	(15,816,001)	(25,336,150)	(30,127)		(479,273)	(509,400)	(4,001,115)		(29,337,265)
6/30/2021			(9,490,022)	(15,336,728)	(24,826,750)	(30,127)		(479,273)	(509,400)	(4,510,515)		(29,337,265)
7/31/2021			(9,459,895)	(14,857,455)	(24,317,350)	(30,127)		(479,273)	(509,400)	(5,019,915)		(29,337,265)
8/31/2021			(9,429,768)	(14,378,183)	(23,807,951)	(30,127)		(479,273)	(509,400)	(5,529,314)		(29,337,265)
9/30/2021			(9,399,641)	(13,898,910)	(23,298,551)	(30,127)		(479,273)	(509,400)	(6,038,714)		(29,337,265)
10/31/2021			(9,369,514)	(13,419,637)	(22,789,151)	(30,127)		(479,273)	(509,400)	(6,548,114)		(29,337,265)
11/30/2021			(9,339,387)	(12,940,364)	(22,279,751)	(30,127)		(479,273)	(509,400)	(7,057,514)		(29,337,265)
12/31/2021			(9,309,260)	(12,461,092)	(21,770,351)	(30,127)		(479,273)	(509,400)	(7,566,914)		(29,337,265)
1/31/2022			(9,279,133)	(11,981,819)	(21,260,952)	(30,127)		(479,273)	(509,400)	(8,076,313)		(29,337,265)
2/28/2022			(9,249,006)	(11,502,546)	(20,751,552)	(30,127)		(479,273)	(509,400)	(8,585,713)		(29,337,265)
3/31/2022			(9,218,879)	(11,023,273)	(20,242,152)	(30,127)		(479,273)	(509,400)	(9,095,113)		(29,337,265)
4/30/2022			(9,188,751)	(10,544,001)	(19,732,752)	(30,127)		(479,273)	(509,400)	(9,604,513)		(29,337,265)
5/31/2022			(9,158,624)	(10,064,728)	(19,223,352)	(30,127)		(479,273)	(509,400)	(10,113,913)		(29,337,265)
6/30/2022			(9,128,497)	(9,585,455)	(18,713,953)	(30,127)		(479,273)	(509,400)	(10,623,312)		(29,337,265)
7/31/2022			(9,098,370)	(9,106,182)	(18,204,553)	(30,127)		(479,273)	(509,400)	(11,132,712)		(29,337,265)
8/31/2022			(9,068,243)	(8,626,910)	(17,695,153)	(30,127)		(479,273)	(509,400)	(11,642,112)		(29,337,265)
9/30/2022			(9,038,116)	(8,147,637)	(17,185,753)	(30,127)		(479,273)	(509,400)	(12,151,512)		(29,337,265)
10/31/2022			(9,007,989)	(7,668,364)	(16,676,353)	(30,127)		(479,273)	(509,400)	(12,660,912)		(29,337,265)
11/30/2022			(8,977,862)	(7,189,091)	(16,166,953)	(30,127)		(479,273)	(509,400)	(13,170,312)		(29,337,265)
12/31/2022			(8,947,735)	(6,709,819)	(15,657,554)	(30,127)		(479,273)	(509,400)	(13,679,711)		(29,337,265)
1/31/2023			(8,917,608)	(6,230,546)	(15,148,154)	(30,127)		(479,273)	(509,400)	(14,189,111)		(29,337,265)
2/28/2023			(8,887,481)	(5,751,273)	(14,638,754)	(30,127)		(479,273)	(509,400)	(14,698,511)		(29,337,265)
3/31/2023			(8,857,354)	(5,272,000)	(14,129,354)	(30,127)		(479,273)	(509,400)	(15,207,911)		(29,337,265)
4/30/2023			(8,827,227)	(4,792,728)	(13,619,954)	(30,127)		(479,273)	(509,400)	(15,717,311)		(29,337,265)
5/31/2023			(8,797,100)	(4,313,455)	(13,110,555)	(30,127)		(479,273)	(509,400)	(16,226,710)		(29,337,265)
6/30/2023			(8,766,973)	(3,834,182)	(12,601,155)	(30,127)		(479,273)	(509,400)	(16,736,110)		(29,337,265)
7/31/2023			(8,736,846)	(3,354,909)	(12,091,755)	(30,127)		(479,273)	(509,400)	(17,245,510)		(29,337,265)
8/31/2023			(8,706,719)	(2,875,637)	(11,582,355)	(30,127)		(479,273)	(509,400)	(17,754,910)		(29,337,265)
9/30/2023			(8,676,592)	(2,396,364)	(11,072,955)	(30,127)		(479,273)	(509,400)	(18,264,310)		(29,337,265)
10/31/2023			(8,646,465)	(1,917,091)	(10,563,556)	(30,127)		(479,273)	(509,400)	(18,773,709)		(29,337,265)
11/30/2023			(8,616,338)	(1,437,818)	(10,054,156)	(30,127)		(479,273)	(509,400)	(19,283,109)		(29,337,265)
12/31/2023			(8,586,210)	(958,546)	(9,544,756)	(30,127)		(479,273)	(509,400)	(19,792,509)		(29,337,265)
1/31/2024			(8,556,083)	(479,273)	(9,035,356)	(30,127)		(479,273)	(509,400)	(20,301,909)		(29,337,265)
2/29/2024			(8,525,956)	(0)	(8,525,956)	(30,127)		(479,273)	(509,400)	(20,811,309)		(29,337,265)
3/31/2024			(8,495,829)	(0)	(8,495,829)	(30,127)		(30,127)	(20,841,436)		(29,337,265)	
4/30/2024			(8,465,702)	(0)	(8,465,702)	(30,127)		(30,127)	(21,350,863)		(29,337,265)	
5/31/2024			(8,435,575)	(0)	(8,435,575)	(30,127)		(30,127)	(20,901,690)		(29,337,265)	
6/30/2024			(8,405,448)	(0)	(8,405,448)	(30,127)		(30,127)	(20,931,817)		(29,337,265)	
7/31/2024			(8,375,321)	(0)	(8,375,321)	(30,127)		(30,127)	(20,961,944)		(29,337,265)	
8/31/2024			(8,345,194)	(0)	(8,345,194)	(30,127)		(30,127)	(20,992,071)		(29,337,265)	
9/30/2024			(8,315,067)	(0)	(8,315,067)	(30,127)		(30,127)	(21,022,198)		(29,337,265)	
10/31/2024			(8,284,940)	(0)	(8,284,940)	(30,127)		(30,127)	(21,052,325)		(29,337,265)	
11/30/2024			(8,254,813)	(0)	(8,254,813)	(30,127)		(30,127)	(21,082,452)		(29,337,265)	
12/31/2024			(8,224,686)	(0)	(8,224,686)	(30,127)		(30,127)	(21,112,579)		(29,337,265)	
1/31/2025			(8,194,559)	(0)	(8,194,559)	(30,127)		(30,127)	(21,142,706)		(29,337,265)	
2/28/2025			(8,164,432)	(0)	(8,164,432)	(30,127)		(30,127)	(21,172,833)		(29,337,265)	
3/31/2025			(8,134,305)	(0)	(8,134,305)	(30,127)		(30,127)	(21,202,960)		(29,337,265)	
4/30/2025			(8,104,178)	(0)	(8,104,178)	(30,127)		(30,127)	(21,233,087)		(29,337,265)	
5/31/2025			(8,074,051)	(0)	(8,074,051)	(30,127)		(30,127)	(21,263,214)		(29,337,265)	
6/30/2025			(8,043,924)	(0)	(8,043,924)	(30,127)		(30,127)	(21,293,341)		(29,337,265)	
7/31/2025			(8,013,797)	(0)	(8,013,797)	(30,127)		(30,127)	(21,323,468)		(29,337,265)	
8/31/2025			(7,983,670)	(0)	(7,983,670)	(30,127)		(30,127)	(21,353,595)		(29,337,265)	
9/30/2025			(7,953,542)	(0)	(7,953,542)	(30,127)		(30,127)	(21,383,722)		(29,337,265)	
10/31/2025			(7,923,415)									



12/31/2028	(6,778,588)	(0)	(6,778,588)	(30,127)	(30,127)	(22,558,677)	(29,337,265)
1/31/2029	(6,748,461)	(0)	(6,748,461)	(30,127)	(30,127)	(22,588,804)	(29,337,265)
2/28/2029	(6,718,333)	(0)	(6,718,333)	(30,127)	(30,127)	(22,618,932)	(29,337,265)
3/31/2029	(6,688,206)	(0)	(6,688,206)	(30,127)	(30,127)	(22,649,059)	(29,337,265)
4/30/2029	(6,658,079)	(0)	(6,658,079)	(30,127)	(30,127)	(22,679,186)	(29,337,265)
5/31/2029	(6,627,952)	(0)	(6,627,952)	(30,127)	(30,127)	(22,709,313)	(29,337,265)
6/30/2029	(6,597,825)	(0)	(6,597,825)	(30,127)	(30,127)	(22,739,440)	(29,337,265)
7/31/2029	(6,567,698)	(0)	(6,567,698)	(30,127)	(30,127)	(22,769,567)	(29,337,265)
8/31/2029	(6,537,571)	(0)	(6,537,571)	(30,127)	(30,127)	(22,799,694)	(29,337,265)
9/30/2029	(6,507,444)	(0)	(6,507,444)	(30,127)	(30,127)	(22,829,821)	(29,337,265)
10/31/2029	(6,477,317)	(0)	(6,477,317)	(30,127)	(30,127)	(22,859,948)	(29,337,265)
11/30/2029	(6,447,190)	(0)	(6,447,190)	(30,127)	(30,127)	(22,890,075)	(29,337,265)
12/31/2029	(6,417,063)	(0)	(6,417,063)	(30,127)	(30,127)	(22,920,202)	(29,337,265)
1/31/2030	(6,386,936)	(0)	(6,386,936)	(30,127)	(30,127)	(22,950,329)	(29,337,265)
2/28/2030	(6,356,809)	(0)	(6,356,809)	(30,127)	(30,127)	(22,980,456)	(29,337,265)
3/31/2030	(6,326,682)	(0)	(6,326,682)	(30,127)	(30,127)	(23,010,583)	(29,337,265)
4/30/2030	(6,296,555)	(0)	(6,296,555)	(30,127)	(30,127)	(23,040,710)	(29,337,265)
5/31/2030	(6,266,428)	(0)	(6,266,428)	(30,127)	(30,127)	(23,070,837)	(29,337,265)
6/30/2030	(6,236,301)	(0)	(6,236,301)	(30,127)	(30,127)	(23,100,964)	(29,337,265)
7/31/2030	(6,206,174)	(0)	(6,206,174)	(30,127)	(30,127)	(23,131,091)	(29,337,265)
8/31/2030	(6,176,047)	(0)	(6,176,047)	(30,127)	(30,127)	(23,161,218)	(29,337,265)
9/30/2030	(6,145,920)	(0)	(6,145,920)	(30,127)	(30,127)	(23,191,345)	(29,337,265)
10/31/2030	(6,115,792)	(0)	(6,115,792)	(30,127)	(30,127)	(23,221,473)	(29,337,265)
11/30/2030	(6,085,665)	(0)	(6,085,665)	(30,127)	(30,127)	(23,251,600)	(29,337,265)
12/31/2030	(6,055,538)	(0)	(6,055,538)	(30,127)	(30,127)	(23,281,727)	(29,337,265)
1/31/2031	(6,025,411)	(0)	(6,025,411)	(30,127)	(30,127)	(23,311,854)	(29,337,265)
2/28/2031	(5,995,284)	(0)	(5,995,284)	(30,127)	(30,127)	(23,341,981)	(29,337,265)
3/31/2031	(5,965,157)	(0)	(5,965,157)	(30,127)	(30,127)	(23,372,108)	(29,337,265)
4/30/2031	(5,935,030)	(0)	(5,935,030)	(30,127)	(30,127)	(23,402,235)	(29,337,265)
5/31/2031	(5,904,903)	(0)	(5,904,903)	(30,127)	(30,127)	(23,432,362)	(29,337,265)
6/30/2031	(5,874,776)	(0)	(5,874,776)	(30,127)	(30,127)	(23,462,489)	(29,337,265)
7/31/2031	(5,844,649)	(0)	(5,844,649)	(30,127)	(30,127)	(23,492,616)	(29,337,265)
8/31/2031	(5,814,522)	(0)	(5,814,522)	(30,127)	(30,127)	(23,522,743)	(29,337,265)
9/30/2031	(5,784,395)	(0)	(5,784,395)	(30,127)	(30,127)	(23,552,870)	(29,337,265)
10/31/2031	(5,754,268)	(0)	(5,754,268)	(30,127)	(30,127)	(23,582,997)	(29,337,265)
11/30/2031	(5,724,141)	(0)	(5,724,141)	(30,127)	(30,127)	(23,613,124)	(29,337,265)
12/31/2031	(5,694,014)	(0)	(5,694,014)	(30,127)	(30,127)	(23,643,251)	(29,337,265)
1/31/2032	(5,663,887)	(0)	(5,663,887)	(30,127)	(30,127)	(23,673,378)	(29,337,265)
2/29/2032	(5,633,760)	(0)	(5,633,760)	(30,127)	(30,127)	(23,703,505)	(29,337,265)
3/31/2032	(5,603,633)	(0)	(5,603,633)	(30,127)	(30,127)	(23,733,632)	(29,337,265)
4/30/2032	(5,573,506)	(0)	(5,573,506)	(30,127)	(30,127)	(23,763,759)	(29,337,265)
5/31/2032	(5,543,379)	(0)	(5,543,379)	(30,127)	(30,127)	(23,793,886)	(29,337,265)
6/30/2032	(5,513,252)	(0)	(5,513,252)	(30,127)	(30,127)	(23,824,013)	(29,337,265)
7/31/2032	(5,483,124)	(0)	(5,483,124)	(30,127)	(30,127)	(23,854,141)	(29,337,265)
8/31/2032	(5,452,997)	(0)	(5,452,997)	(30,127)	(30,127)	(23,884,268)	(29,337,265)
9/30/2032	(5,422,870)	(0)	(5,422,870)	(30,127)	(30,127)	(23,914,395)	(29,337,265)
10/31/2032	(5,392,743)	(0)	(5,392,743)	(30,127)	(30,127)	(23,944,522)	(29,337,265)
11/30/2032	(5,362,616)	(0)	(5,362,616)	(30,127)	(30,127)	(23,974,649)	(29,337,265)
12/31/2032	(5,332,489)	(0)	(5,332,489)	(30,127)	(30,127)	(24,004,776)	(29,337,265)
1/31/2033	(5,302,362)	(0)	(5,302,362)	(30,127)	(30,127)	(24,034,903)	(29,337,265)
2/28/2033	(5,272,235)	(0)	(5,272,235)	(30,127)	(30,127)	(24,065,030)	(29,337,265)
3/31/2033	(5,242,108)	(0)	(5,242,108)	(30,127)	(30,127)	(24,095,157)	(29,337,265)
4/30/2033	(5,211,981)	(0)	(5,211,981)	(30,127)	(30,127)	(24,125,284)	(29,337,265)
5/31/2033	(5,181,854)	(0)	(5,181,854)	(30,127)	(30,127)	(24,155,411)	(29,337,265)
6/30/2033	(5,151,727)	(0)	(5,151,727)	(30,127)	(30,127)	(24,185,538)	(29,337,265)
7/31/2033	(5,121,600)	(0)	(5,121,600)	(30,127)	(30,127)	(24,215,665)	(29,337,265)
8/31/2033	(5,091,473)	(0)	(5,091,473)	(30,127)	(30,127)	(24,245,792)	(29,337,265)
9/30/2033	(5,061,346)	(0)	(5,061,346)	(30,127)	(30,127)	(24,275,919)	(29,337,265)
10/31/2033	(5,031,219)	(0)	(5,031,219)	(30,127)	(30,127)	(24,306,046)	(29,337,265)
11/30/2033	(5,001,092)	(0)	(5,001,092)	(30,127)	(30,127)	(24,336,173)	(29,337,265)
12/31/2033	(4,970,965)	(0)	(4,970,965)	(30,127)	(30,127)	(24,366,300)	(29,337,265)
1/31/2034	(4,940,838)	(0)	(4,940,838)	(30,127)	(30,127)	(24,396,427)	(29,337,265)
2/28/2034	(4,910,711)	(0)	(4,910,711)	(30,127)	(30,127)	(24,426,554)	(29,337,265)
3/31/2034	(4,880,583)	(0)	(4,880,583)	(30,127)	(30,127)	(24,456,682)	(29,337,265)
4/30/2034	(4,850,456)	(0)	(4,850,456)	(30,127)	(30,127)	(24,486,809)	(29,337,265)
5/31/2034	(4,820,329)	(0)	(4,820,329)	(30,127)	(30,127)	(24,516,936)	(29,337,265)
6/30/2034	(4,790,202)	(0)	(4,790,202)	(30,127)	(30,127)	(24,547,063)	(29,337,265)
7/31/2034	(4,760,075)	(0)	(4,760,075)	(30,127)	(30,127)	(24,577,190)	(29,337,265)
8/31/2034	(4,729,948)	(0)	(4,729,948)	(30,127)	(30,127)	(24,607,317)	(29,337,265)
9/30/2034	(4,699,821)	(0)	(4,699,821)	(30,127)	(30,127)	(24,637,444)	(29,337,265)
10/31/2034	(4,669,694)	(0)	(4,669,694)	(30,127)	(30,127)	(24,667,571)	(29,337,265)
11/30/2034	(4,639,567)	(0)	(4,639,567)	(30,127)	(30,127)	(24,697,698)	(29,337,265)
12/31/2034	(4,609,440)	(0)	(4,609,440)	(30,127)	(30,127)	(24,727,825)	(29,337,265)
1/31/2035	(4,579,313)	(0)	(4,579,313)	(30,127)	(30,127)	(24,757,952)	(29,337,265)
2/28/2035	(4,549,186)	(0)	(4,549,186)	(30,127)	(30,127)	(24,788,079)	(29,337,265)
3/31/2035	(4,519,059)	(0)	(4,519,059)	(30,127)	(30,127)	(24,818,206)	(29,337,265)
4/30/2035	(4,488,932)	(0)	(4,488,932)	(30,127)	(30,127)	(24,848,333)	(29,337,265)
5/31/2035	(4,458,805)	(0)	(4,458,805)	(30,127)	(30,127)	(24,878,460)	(29,337,265)
6/30/2035	(4,428,678)	(0)	(4,428,678)	(30,127)	(30,127)	(24,908,587)	(29,337,265)
7/31/2035	(4,398,551)	(0)	(4,398,551)	(30,127)	(30,127)	(24,938,714)	(29,337,265)
8/31/2035	(4,368,424)	(0)	(4,368,424)	(30,127)	(30,127)	(24,968,841)	(29,337,265)
9/30/2035	(4,338,297)	(0)	(4,338,297)	(30,127)	(30,127)	(24,998,968)	(29,337,265)
10/31/2035	(4,308,170)	(0)	(4,308,170)	(30,127)	(30,127)	(25,029,095)	(29,337,265)
11/30/2035	(4,278,043)	(0)	(4,278,043)	(30,127)	(30,127)	(25,059,222)	(29,337,265)
12/31/2035	(4,247,915)	(0)	(4,247,915)	(30,127)	(30,127)	(25,089,350)	(29,337,265)
1/31/2036	(4,217,788)	(0)	(4,217,788)	(30,127)	(30,127)	(25,119,477)	(29,337,265)
2/29/2036	(4,187,661)	(0)	(4,187,661)	(30,127)	(30,127)	(25,149,604)	(29,337,265)
3/31/2036	(4,157,534)	(0)	(4,157,534)	(30,127)	(30,127)	(25,179,731)	(29,337,265)
4/30/2036	(4,127,407)	(0)	(4,127,407)	(30,127)	(30,127)	(25,209,858)	(29,337,265)
5/31/2036	(4,097,280)	(0)	(4,097,280)	(30,127)	(30,127)	(25,239,985)	(29,337,265)
6/30/2036	(4,067,153)	(0)	(4,067,153)	(30,127)	(30,127)	(25,270,112)	(29,337,265)
7/31/2036	(4,037,026)	(0)	(4,037,026)	(30,127)	(30,127)	(25,300,239)	(29,337,265)
8/31/2036	(4,006,899)	(0)	(4,006,899)	(30,127)	(30,127)	(25,330,366)	(29,337,265)
9/30/2036	(3,976,772)	(0)	(3,976,772)	(30,127)	(30,127)	(25,360,493)	(29,337,265)
10/31/2036	(3,946,645)	(0)	(3,946,645)	(30,127)	(30,127)	(25,390,620)	(29,337,265)
11/30/2036	(3,916,518)	(0)	(3,916,518)	(30,127)	(30,127)	(25,420,747)	(29,337,265)
12/31/2036	(3,886,391)	(0)	(3,886,391)	(30,127)	(30,127)	(25,450,874)	(29,337,265)
1/31/2037	(3,856,264)	(0)	(3,856,264)	(30,127)	(30,127)	(25,481,001)	(29,337,265)
2/28/2037	(3,826,137)	(0)	(3,826,137)	(30,127)	(30,127)	(25,511,128)	(29,337,265)
3/31/2037	(3,796,010)	(0)	(3,796,010)	(30,127)	(30,127)	(25,541,255)	(29,337,265)
4/30/2037	(3,765,883)	(0)	(3,765,883)	(30,127)	(30,127)	(25,571,382)	(29,337,265)
5/31/2037	(3,735,756)	(0)	(3,735,756)	(30,127)	(30,127)	(25,601,509)	(29,337,265)
6/30/2037	(3,705,629)	(0)	(3,705,629)	(30,127)	(30,127)	(25,631,636)	(29,337,265)
7/31/2037	(3,675,502)	(0)	(3,675,502)	(30,127)	(30,127)	(25,661,763)	(29,337,265)
8/31/2037	(3,645,374)	(0)	(3,645,374)	(30,127)	(30,127)	(25,691,891)	(29,337,265)
9/30/2037	(3,615,247)	(0)	(3,615,247)	(30,127)	(30,127)	(25,722,018)	(29,337,265)
10/31/2037	(3,585,120)	(0)	(3,585,120)	(30,127)	(30,127)	(25,752,145)	(29,337,265)
11/30/2037	(3,554,993)	(0)	(3,554,993)	(30,127)	(30,127)	(25,782,272)	(29,337,265)
12/31/2037	(3,524,866)	(0)	(3,524,866)	(30,127)	(30,127)	(25,812,399)	(29,337,265)
1/31/2038	(3,494,739)	(0)	(3,494,739)	(30,127)	(30,127)	(25,842,526)	(29,337,265)
2/28/2038	(3,464,612)	(0)	(3,464,612)	(30,127)	(30,127)	(25,872,653)	(29,337,265)
3/31/2038	(3,434,485)	(0)	(3,434,485)	(30,127)	(30,127)	(25,902,780)	(29,337,265)
4/30/2038	(3,404,358)	(0)	(3,404,358)	(30,127)	(30,127)	(25,932,907)	(29,337,265)
5/31/2038	(3,374,231)	(0)	(3,374,231)	(30,127)	(30,127)	(25,963,034)	(29,337,265)
6/30/2038	(3,344,104)	(0)	(3,344,104)	(30,127)	(30,127)	(25,993,161)	(29,337,265)
7/31/2038	(3,313,977)	(0)	(3,313,977)	(30,127)	(30,127)	(26,023,288)	(29,337,265)
8/31/2038	(3,283,850)	(0)	(3,283,850)	(30,127)	(30,127)	(26,053,415)	(29,337,265)
9							

8/31/2040	(2,560,801)	(0)	(2,560,801)	(30,127)	(30,127)	(26,776,464)	(29,337,265)
9/30/2040	(2,530,674)	(0)	(2,530,674)	(30,127)	(30,127)	(26,806,591)	(29,337,265)
10/31/2040	(2,500,547)	(0)	(2,500,547)	(30,127)	(30,127)	(26,836,718)	(29,337,265)
11/30/2040	(2,470,420)	(0)	(2,470,420)	(30,127)	(30,127)	(26,866,845)	(29,337,265)
12/31/2040	(2,440,293)	(0)	(2,440,293)	(30,127)	(30,127)	(26,896,972)	(29,337,265)
1/31/2041	(2,410,165)	(0)	(2,410,165)	(30,127)	(30,127)	(26,927,100)	(29,337,265)
2/28/2041	(2,380,038)	(0)	(2,380,038)	(30,127)	(30,127)	(26,957,227)	(29,337,265)
3/31/2041	(2,349,911)	(0)	(2,349,911)	(30,127)	(30,127)	(26,987,354)	(29,337,265)
4/30/2041	(2,319,784)	(0)	(2,319,784)	(30,127)	(30,127)	(27,017,481)	(29,337,265)
5/31/2041	(2,289,657)	(0)	(2,289,657)	(30,127)	(30,127)	(27,047,608)	(29,337,265)
6/30/2041	(2,259,530)	(0)	(2,259,530)	(30,127)	(30,127)	(27,077,735)	(29,337,265)
7/31/2041	(2,229,403)	(0)	(2,229,403)	(30,127)	(30,127)	(27,107,862)	(29,337,265)
8/31/2041	(2,199,276)	(0)	(2,199,276)	(30,127)	(30,127)	(27,137,989)	(29,337,265)
9/30/2041	(2,169,149)	(0)	(2,169,149)	(30,127)	(30,127)	(27,168,116)	(29,337,265)
10/31/2041	(2,139,022)	(0)	(2,139,022)	(30,127)	(30,127)	(27,198,243)	(29,337,265)
11/30/2041	(2,108,895)	(0)	(2,108,895)	(30,127)	(30,127)	(27,228,370)	(29,337,265)
12/31/2041	(2,078,768)	(0)	(2,078,768)	(30,127)	(30,127)	(27,258,497)	(29,337,265)
1/31/2042	(2,048,641)	(0)	(2,048,641)	(30,127)	(30,127)	(27,288,624)	(29,337,265)
2/28/2042	(2,018,514)	(0)	(2,018,514)	(30,127)	(30,127)	(27,318,751)	(29,337,265)
3/31/2042	(1,988,387)	(0)	(1,988,387)	(30,127)	(30,127)	(27,348,878)	(29,337,265)
4/30/2042	(1,958,260)	(0)	(1,958,260)	(30,127)	(30,127)	(27,379,005)	(29,337,265)
5/31/2042	(1,928,133)	(0)	(1,928,133)	(30,127)	(30,127)	(27,409,132)	(29,337,265)
6/30/2042	(1,898,006)	(0)	(1,898,006)	(30,127)	(30,127)	(27,439,259)	(29,337,265)
7/31/2042	(1,867,879)	(0)	(1,867,879)	(30,127)	(30,127)	(27,469,386)	(29,337,265)
8/31/2042	(1,837,752)	(0)	(1,837,752)	(30,127)	(30,127)	(27,499,513)	(29,337,265)
9/30/2042	(1,807,624)	(0)	(1,807,624)	(30,127)	(30,127)	(27,529,641)	(29,337,265)
10/31/2042	(1,777,497)	(0)	(1,777,497)	(30,127)	(30,127)	(27,559,768)	(29,337,265)
11/30/2042	(1,747,370)	(0)	(1,747,370)	(30,127)	(30,127)	(27,589,895)	(29,337,265)
12/31/2042	(1,717,243)	(0)	(1,717,243)	(30,127)	(30,127)	(27,620,022)	(29,337,265)
1/31/2043	(1,687,116)	(0)	(1,687,116)	(30,127)	(30,127)	(27,650,149)	(29,337,265)
2/28/2043	(1,656,989)	(0)	(1,656,989)	(30,127)	(30,127)	(27,680,276)	(29,337,265)
3/31/2043	(1,626,862)	(0)	(1,626,862)	(30,127)	(30,127)	(27,710,403)	(29,337,265)
4/30/2043	(1,596,735)	(0)	(1,596,735)	(30,127)	(30,127)	(27,740,530)	(29,337,265)
5/31/2043	(1,566,608)	(0)	(1,566,608)	(30,127)	(30,127)	(27,770,657)	(29,337,265)
6/30/2043	(1,536,481)	(0)	(1,536,481)	(30,127)	(30,127)	(27,800,784)	(29,337,265)
7/31/2043	(1,506,354)	(0)	(1,506,354)	(30,127)	(30,127)	(27,830,911)	(29,337,265)
8/31/2043	(1,476,227)	(0)	(1,476,227)	(30,127)	(30,127)	(27,861,038)	(29,337,265)
9/30/2043	(1,446,100)	(0)	(1,446,100)	(30,127)	(30,127)	(27,891,165)	(29,337,265)
10/31/2043	(1,415,973)	(0)	(1,415,973)	(30,127)	(30,127)	(27,921,292)	(29,337,265)
11/30/2043	(1,385,846)	(0)	(1,385,846)	(30,127)	(30,127)	(27,951,419)	(29,337,265)
12/31/2043	(1,355,719)	(0)	(1,355,719)	(30,127)	(30,127)	(27,981,546)	(29,337,265)
1/31/2044	(1,325,592)	(0)	(1,325,592)	(30,127)	(30,127)	(28,011,673)	(29,337,265)
2/29/2044	(1,295,465)	(0)	(1,295,465)	(30,127)	(30,127)	(28,041,800)	(29,337,265)
3/31/2044	(1,265,338)	(0)	(1,265,338)	(30,127)	(30,127)	(28,071,927)	(29,337,265)
4/30/2044	(1,235,211)	(0)	(1,235,211)	(30,127)	(30,127)	(28,102,054)	(29,337,265)
5/31/2044	(1,205,084)	(0)	(1,205,084)	(30,127)	(30,127)	(28,132,181)	(29,337,265)
6/30/2044	(1,174,956)	(0)	(1,174,956)	(30,127)	(30,127)	(28,162,309)	(29,337,265)
7/31/2044	(1,144,829)	(0)	(1,144,829)	(30,127)	(30,127)	(28,192,436)	(29,337,265)
8/31/2044	(1,114,702)	(0)	(1,114,702)	(30,127)	(30,127)	(28,222,563)	(29,337,265)
9/30/2044	(1,084,575)	(0)	(1,084,575)	(30,127)	(30,127)	(28,252,690)	(29,337,265)
10/31/2044	(1,054,448)	(0)	(1,054,448)	(30,127)	(30,127)	(28,282,817)	(29,337,265)
11/30/2044	(1,024,321)	(0)	(1,024,321)	(30,127)	(30,127)	(28,312,944)	(29,337,265)
12/31/2044	(994,194)	(0)	(994,194)	(30,127)	(30,127)	(28,343,071)	(29,337,265)
1/31/2045	(964,067)	(0)	(964,067)	(30,127)	(30,127)	(28,373,198)	(29,337,265)
2/28/2045	(933,940)	(0)	(933,940)	(30,127)	(30,127)	(28,403,325)	(29,337,265)
3/31/2045	(903,813)	(0)	(903,813)	(30,127)	(30,127)	(28,433,452)	(29,337,265)
4/30/2045	(873,686)	(0)	(873,686)	(30,127)	(30,127)	(28,463,579)	(29,337,265)
5/31/2045	(843,559)	(0)	(843,559)	(30,127)	(30,127)	(28,493,706)	(29,337,265)
6/30/2045	(813,432)	(0)	(813,432)	(30,127)	(30,127)	(28,523,833)	(29,337,265)
7/31/2045	(783,305)	(0)	(783,305)	(30,127)	(30,127)	(28,553,960)	(29,337,265)
8/31/2045	(753,178)	(0)	(753,178)	(30,127)	(30,127)	(28,584,087)	(29,337,265)
9/30/2045	(723,051)	(0)	(723,051)	(30,127)	(30,127)	(28,614,214)	(29,337,265)
10/31/2045	(692,924)	(0)	(692,924)	(30,127)	(30,127)	(28,644,341)	(29,337,265)
11/30/2045	(662,797)	(0)	(662,797)	(30,127)	(30,127)	(28,674,468)	(29,337,265)
12/31/2045	(632,670)	(0)	(632,670)	(30,127)	(30,127)	(28,704,595)	(29,337,265)
1/31/2046	(602,543)	(0)	(602,543)	(30,127)	(30,127)	(28,734,722)	(29,337,265)
2/28/2046	(572,415)	(0)	(572,415)	(30,127)	(30,127)	(28,764,850)	(29,337,265)
3/31/2046	(542,288)	(0)	(542,288)	(30,127)	(30,127)	(28,794,977)	(29,337,265)
4/30/2046	(512,161)	(0)	(512,161)	(30,127)	(30,127)	(28,825,104)	(29,337,265)
5/31/2046	(482,034)	(0)	(482,034)	(30,127)	(30,127)	(28,855,231)	(29,337,265)
6/30/2046	(451,907)	(0)	(451,907)	(30,127)	(30,127)	(28,885,358)	(29,337,265)
7/31/2046	(421,780)	(0)	(421,780)	(30,127)	(30,127)	(28,915,485)	(29,337,265)
8/31/2046	(391,653)	(0)	(391,653)	(30,127)	(30,127)	(28,945,612)	(29,337,265)
9/30/2046	(361,526)	(0)	(361,526)	(30,127)	(30,127)	(28,975,739)	(29,337,265)
10/31/2046	(331,399)	(0)	(331,399)	(30,127)	(30,127)	(29,005,866)	(29,337,265)
11/30/2046	(301,272)	(0)	(301,272)	(30,127)	(30,127)	(29,035,993)	(29,337,265)
12/31/2046	(271,145)	(0)	(271,145)	(30,127)	(30,127)	(29,066,120)	(29,337,265)
1/31/2047	(241,018)	(0)	(241,018)	(30,127)	(30,127)	(29,096,247)	(29,337,265)
2/28/2047	(210,891)	(0)	(210,891)	(30,127)	(30,127)	(29,126,374)	(29,337,265)
3/31/2047	(180,764)	(0)	(180,764)	(30,127)	(30,127)	(29,156,501)	(29,337,265)
4/30/2047	(150,637)	(0)	(150,637)	(30,127)	(30,127)	(29,186,628)	(29,337,265)
5/31/2047	(120,510)	(0)	(120,510)	(30,127)	(30,127)	(29,216,755)	(29,337,265)
6/30/2047	(90,383)	(0)	(90,383)	(30,127)	(30,127)	(29,246,882)	(29,337,265)
7/31/2047	(60,256)	(0)	(60,256)	(30,127)	(30,127)	(29,277,009)	(29,337,265)
8/31/2047	(30,129)	(0)	(30,129)	(30,127)	(30,127)	(29,307,136)	(29,337,265)
9/30/2047	(2)	(0)	(2)	(30,127)	(30,127)	(29,337,263)	(29,337,265)
Total Amortized from 10/15/2018 - 09/30/2047				(10,484,211)	(1,599,233)	(17,253,819)	(29,337,263)

TN Deferred Interest, Depreciation, & Ad Valorem Tax Expense June-20 to Sep-20  
Company 50 Service Area 093000

WP 7-10

Source - General Ledger						
Description	Company	Cost Center	Account	Sub Account	Service Area	Sep-20
Depr Exp to Reg Asset	50	0000	4030	30005	93000	134,261.98
Ad Valorem Exp to Reg Asset	50	0000	4081	30101	93000	-
Interest to Reg Asset	50	0000	4310	30130	93000	81,854.46
RWIP Interest to Reg Asset	50	0000	4310	30130	93000	1,528.61
Grand Total						217,645.05

Description	Company	Cost Center	Account	Sub Account	Service Area	Sep-20
Depr Exp to Reg Asset	50	0000	1860	14218	93000	134,261.98
Ad Valorem Exp to Reg Asset	50	0000	1860	14218	93000	-
Interest to Reg Asset	50	0000	1860	14218	93000	81,854.46
RWIP Interest to Reg Asset	50	0000	1860	14218	93000	1,528.61
Grand Total						217,645.05

Division	Division Description	Account	Account Description	Sub Account	Sub Account Description	SEP-19	OCT-19	NOV-19	DEC-19	JAN-20	FEB-20	MAR-20	APR-20	MAY-20	JUN-20	JUL-20	AUG-20	SEP-20
093	Tennessee Division	1860	Miscellaneous deferred debits	14218	Rule 8209	-	-	-	-	-	-	-	-	-	4,879.95	24,427.79	76,798.18	217,645.05
093	Tennessee Division	4310	Other interest expense	30130	Deferred Interest Infrastruct	-	-	-	-	-	-	-	-	(959.95)	(7,008.57)	(20,578.73)	(54,835.82)	(83,383.07)
						-	-	-	-	-	-	-	-	(959.95)	(2,128.62)	3,849.06	21,962.36	134,261.98

## Schedule 8

**Tennessee Distribution System**  
**Computation of State Excise & Income Taxes**  
**Twelve Months Ended September 30, 2020**

Line No.	Description	Tax Rate	Base Period (1)	Attrition Year	Change
	(a)	(b)	(c)	(d)	
2					
3	Required Return		\$ 32,094,561		
1	Current Return		\$ 23,002,592		
4					
5	Pre-Tax Deficiency from Current Return		9,091,969		
6	Tax Expansion Factor		1.3610		
7	After-Tax Deficiency from Current Return		12,374,170		
8					
9	Tax Liability Increase / Decrease (Ln 7 - Ln 3)		3,282,201		
10	Current Tax Liability		\$ 5,224,201		
11					
12	Income Tax Liability		\$ 8,506,402		
13					
14	Less: ITC Amortization		-		
15					
16	Total Income Tax Liability		8,506,402		
17					
18	Note:				
19	1. Twelve months ended September 30, 2020				

Schedule 8R

**Tennessee Distribution System**  
**Computation of State Excise & Income Taxes**  
**Twelve Months Ended September 30, 2020**

Line No.	Description	Tax Rate	Base Period (1)	Attrition Year	Change
	(a)	(b)	(c)	(d)	
2					
3	Required Return		\$ 29,930,089		
1	Current Return		\$ 26,994,381		
4					
5	Pre-Tax Deficiency from Current Return		2,935,708		
6	Tax Expansion Factor		1.3610		
7	After-Tax Deficiency from Current Return		3,995,499		
8					
9	Tax Liability Increase / Decrease (Ln 7 - Ln 3)		1,059,791		
10	Current Tax Liability		\$ 6,733,807		
11					
12	Income Tax Liability		\$ 7,793,598		
13					
14	Less: ITC Amortization		-		
15					
16	Total Income Tax Liability		7,793,598		
17					
18	Note:				
19	1. Twelve months ended September 30, 2020				

WP 8-1

**Tennessee Distribution System  
Amortization of UCG Deferred Utility ITC  
Twelve Months Ended September 30, 2020**

Line No.	Description	Amortization	Allocation Factor [1]	Tennessee Allocation
	(a)	(b)	(c)	(d)
1	Fiscal year ended September 30, 2011	50,990		
2	Fiscal year ended September 30, 2012	12,229		
3	Fiscal year ended September 30, 2013	5,820		
4	Fiscal year ended September 30, 2014	-		
5				
6	Base Period ended September 30, 2017	-		-
7				
8	Attrition Year ended May 31, 2020	-		-
9				
10	[1] Division 091 - Mid-States General Office allocation factor excluding Kentucky			

WP 8-2

**Tennessee Distribution System  
Revenue Conversion Factor  
Twelve Months Ended September 30, 2020**

Line No.		Attrition Year	
		Amount	Balance
1	Operating Revenues		1.000000
2			
3	Add: Forfeited Discounts	0.002494	<u>0.002494</u>
4			
5	Balance		1.002494
6			
7	Uncollectible Ratio	0.007773	<u>0.007793</u>
8			
9	Balance		0.994701
10			
11	State Excise Tax	0.065000	<u>0.064656</u>
12			
13	Balance		0.930046
14			
15	Federal Income Tax	0.210000	<u>0.195310</u>
16			
17	Balance		0.734736
18			
19	Revenue Conversion Factor (Line 1/Line 9)		1.361000

## Schedule 9

**Tennessee Distribution System**  
**Overall Cost of Capital**  
**Twelve Months Ended September 30, 2020**

Line No.	Description	Percent	Cost Rate	Overall Cost of Capital
	(a)	(b)	(c)	(d)
1	Long Term Debt Capital	39.96%	4.29%	1.72%
2	Short Term Debt	0.17%	17.10%	0.03%
3	Equity Capital	<u>59.88%</u>	9.80%	<u>5.87%</u>
4				
5	Total Capital	<u><u>100.0%</u></u>		<u><u>7.62%</u></u>



Schedule 9R

**Tennessee Distribution System  
Overall Cost of Capital  
Twelve Months Ended September 30, 2020**

Line No.	Description	Percent	Cost Rate	Overall Cost of Capital
	(a)	(b)	(c)	(d)
1	Long Term Debt Capital	41.03%	4.29%	1.76%
2	Short Term Debt	0.18%	17.10%	0.03%
3	Equity Capital	<u>58.79%</u>	9.80%	<u>5.76%</u>
4				
5	Total Capital	<u><u>100.0%</u></u>		<u><u>7.55%</u></u>

WP 9-1

**Tennessee Distribution System**  
**Cost of Capital**  
**Twelve Months Ended September 30, 2020**

<b>Line No.</b>	<b>Description</b>	<b><u>September 30, 2020</u></b>	
		<b>\$</b>	<b>%</b>
	(a)	(b)	(c)
1	LT Debt	\$ 4,531,944,234	39.96%
2	ST Debt	18,743,456	0.17%
3	Equity	6,791,203,456	59.88%
4			
5	Total Capital	<u>\$ 11,341,891,146</u>	<u>100.00%</u>

WP 9-1R

**Tennessee Distribution System**  
**Cost of Capital**  
**Twelve Months Ended September 30, 2020**

<b>Line No.</b>	<b>Description</b>	<b><u>September 30, 2020</u></b>	
		<b>\$</b>	<b>%</b>
	(a)	(b)	(c)
1	LT Debt	\$ 4,358,855,527	41.03%
2	ST Debt	18,743,456	0.18%
3	Equity	6,245,652,242	58.79%
4			
5	Total Capital	<u>\$ 10,623,251,225</u>	<u>100.00%</u>

**Tennessee Distribution System**  
**Cost of Capital- Short Term Debt Rate**  
**Twelve Months Ended September 30, 2020**

Line No.	Date	Atmos Consolidated Balances			12 Month Avg 12 Month Avg Atmos Consolidated - calc of STD rate		
		Long-Term Debt	Short-Term Debt	Equity	STD Avg Daily Bal	STD Int Exp & fees	STD avg rate
	(a)	(b)	(c)	(d)	(e)	(f)	(g)
1 Sep-19		3,529,452,246	464,914,793	5,750,222,025			
2 Oct-19		4,323,929,862	-	5,786,654,551	48,696,774	352,975	
3 Nov-19		4,324,112,264	-	5,889,337,249	-	258,652	
4 Dec-19		4,324,334,969	-	6,127,776,288	-	262,904	
5 Jan-20		4,324,453,053	-	6,226,778,984	-	237,063	
6 Feb-20		4,324,629,840	-	6,237,903,335	-	230,226	
7 Mar-20		4,328,996,996	199,923,347	6,304,414,573	51,523,968	336,740	
8 Apr-20		4,529,030,709	-	6,333,528,945	61,723,500	400,702	
9 May-20		4,529,195,706	-	6,318,537,073	-	469,297	
10 Jun-20		4,531,497,968	-	6,461,470,109	3,333,333	436,494	
11 Jul-20		4,531,685,721	-	6,469,473,585	-	441,338	
12 Aug-20		4,531,858,276	24,998,125	6,496,178,973	5,645,161	442,213	
13 Sep-20		4,531,944,234	-	6,791,203,456	132,333,333	452,148	
14						4,320,751	
15							
16 Average		4,358,855,527	18,743,456	6,245,652,242	25,271,339		17.10%

Interest on CP or Interest on Draws on Credit Facility	Commitment Fees on Credit Facility	Bank Fees on AEC Credit Facility With RBS
30121		
Detail of Colm (f) Consolidated Int Exp & Fees		
Int Exp	Commit fees	Utility Bank Admin
90,071	131,821	131,083
-	127,569	131,083
-	131,821	131,083
-	105,980	131,083
-	99,143	131,083
99,677	105,980	131,083
96,788	172,831	131,083
-	178,592	290,705
313	172,831	263,350
-	177,988	263,350
875	177,988	263,350
16,551	172,246	263,350
304,274.35	1,754,790.66	2,261,686.38
per STD rpts:	4,320,751	

Line No.	Debt Series (a)	Issued (b)	Outstanding 9/30/2019 (c)	Outstanding 10/31/2019 (d)	Outstanding 11/30/2019 (e)	Outstanding 12/31/2019 (f)	Outstanding 1/31/2020 (g)	Outstanding 2/29/2020 (h)	Outstanding 3/31/2020 (i)	Outstanding 4/30/2020 (j)	Outstanding 5/31/2020 (k)
1	9.40% First Mortgage Bond J due May 2021/RET 2005	04/01/91	-	-	-	-	-	-	-	-	-
2	6.75% Debentures Unsecured due July 2028	07/27/98	150,000,000	150,000,000	150,000,000	150,000,000	150,000,000	150,000,000	150,000,000	150,000,000	150,000,000
3	5.125% Senior Notes due Jan 2013	01/13/03	-	-	-	-	-	-	-	-	-
4	10.43% First Mortgage Bond P due 2017 (eff 2012)	11/01/87	-	-	-	-	-	-	-	-	-
5	9.75% First Mortgage Bond Q due Apr 2020/RET 2005	04/01/90	-	-	-	-	-	-	-	-	-
6	9.32% First Mortgage Bond T due June 2021/RET 2005	06/01/91	-	-	-	-	-	-	-	-	-
7	8.77% First Mortgage Bond U due May 2022/RET 2005	05/01/92	-	-	-	-	-	-	-	-	-
8	6.67% MTN A1 due Dec 2025	12/15/95	10,000,000	10,000,000	10,000,000	10,000,000	10,000,000	10,000,000	10,000,000	10,000,000	10,000,000
9	4.95% Sr Note due 10/15/2014	10/22/04	-	-	-	-	-	-	-	-	-
10	5.95% Sr Note due 10/15/2034	10/22/04	200,000,000	200,000,000	200,000,000	200,000,000	200,000,000	200,000,000	200,000,000	200,000,000	200,000,000
11	4.3% Sr Note due 10/1/2048	10/2018	600,000,000	600,000,000	600,000,000	600,000,000	600,000,000	600,000,000	600,000,000	600,000,000	600,000,000
12	Sr Note 5.50% Due 06/15/2041	6/10/2011	400,000,000	400,000,000	400,000,000	400,000,000	400,000,000	400,000,000	400,000,000	400,000,000	400,000,000
13	8.50% Sr Note due 3/15/2019	03/23/09	-	-	-	-	-	-	-	-	-
14	4.15% Sr Note due 1/15/2043	01/15/13	500,000,000	500,000,000	500,000,000	500,000,000	500,000,000	500,000,000	500,000,000	500,000,000	500,000,000
15	4.125% Sr Note due 10/15/2044	10/15/2014	750,000,000	750,000,000	750,000,000	750,000,000	750,000,000	750,000,000	750,000,000	750,000,000	750,000,000
16	3% Sr Note due 6/15/2027	06/2017	500,000,000	500,000,000	500,000,000	500,000,000	500,000,000	500,000,000	500,000,000	500,000,000	500,000,000
17	4.125% Sr Note due 3/15/49	03/2019	450,000,000	450,000,000	450,000,000	450,000,000	450,000,000	450,000,000	450,000,000	450,000,000	450,000,000
18	2.625% Sr Notes Due 2029	10/2019	-	300,000,000	300,000,000	300,000,000	300,000,000	300,000,000	300,000,000	300,000,000	300,000,000
19	3.375% Sr Notes Due 2049	10/2019	-	500,000,000	500,000,000	500,000,000	500,000,000	500,000,000	500,000,000	500,000,000	500,000,000
20	\$200MM 3YR. Sr Credit Facility (Established 9/22/16)	04/2020	-	-	-	-	-	-	-	200,000,000	200,000,000
21	October 2020 - Swap Position	04/2020	-	-	-	-	-	-	-	-	-
22	October 2021 - Swap Position	04/2020	-	-	-	-	-	-	-	-	-
23	October 2022 - Swap Position	07/2020	-	-	-	-	-	-	-	-	-
24	October 2024 - Swap Position	07/2020	-	-	-	-	-	-	-	-	-
25	Subtotal -- Utility Long-Term Debt		\$ 3,560,000,000	\$ 4,360,000,000	\$ 4,360,000,000	\$ 4,360,000,000	\$ 4,360,000,000	\$ 4,360,000,000	\$ 4,360,000,000	\$ 4,560,000,000	\$ 4,560,000,000
26											
27	Othwe Long-Term Debt										
28	Total Long-Term Debt		3,560,000,000	4,360,000,000	4,360,000,000	4,360,000,000	4,360,000,000	4,360,000,000	4,360,000,000	4,560,000,000	4,560,000,000
29	Less Unamortized Debt Discount & Debt Premium		\$ 192,885	\$ 732,066	\$ 716,190	\$ 7					

**Tennessee Distribution System**  
**Cost of Capital- Long Term Debt Rate**  
**Twelve Months Ended September 30, 2020**

Line No.	Debt Series (a)	Issued (b)	Outstanding 6/30/2020 (l)	Outstanding 7/31/2020 (m)	Outstanding 8/30/2020 (n)	Outstanding 9/30/2020 (o)	End Int Rate (p)	Annual Int at 9/30/2020 (q)	(r) (v)	Annualized 4270 Amort for T-lock (w)	Annualized 4280-81 Amort Debt Exp&Dset (x)	Exp 1810 Penalty 1890 Dset 2260 9/30/2020 (y)
1	9.40% First Mortgage Bond J due May 2021/RET 2005	04/01/91	-	-	-	-	9.40%	-	-	-	560,397	326,899
2	6.75% Debentures Unsecured due July 2028	07/27/98	150,000,000	150,000,000	150,000,000	150,000,000	6.75%	10,125,000	-	-	99,938	779,162
3	5.125% Senior Notes due Jan 2013	01/13/03	-	-	-	-	5.13%	-	-	-	-	-
4	10.43% First Mortgage Bond P due 2017 (eff 2012)	11/01/87	-	-	-	-	10.43%	-	-	-	-	0
5	9.75% First Mortgage Bond Q due Apr 2020/RET 2005	04/01/90	-	-	-	-	9.75%	-	-	-	-	(0)
6	9.32% First Mortgage Bond T due June 2021/RET 2005	06/01/91	-	-	-	-	9.32%	-	-	-	362,746	241,831
7	8.77% First Mortgage Bond U due May 2022/RET 2005	05/01/92	-	-	-	-	8.77%	-	-	-	368,719	583,806
8	6.67% MTN A1 due Dec 2025	12/15/95	10,000,000	10,000,000	10,000,000	10,000,000	6.67%	667,000	-	-	7,777	40,505
9	4.95% Sr Note due 10/15/2014	10/22/04	-	-	-	-	4.950%	-	-	-	-	-
10	5.95% Sr Note due 10/15/2034	10/22/04	200,000,000	200,000,000	200,000,000	200,000,000	5.95%	11,900,000	-	(7,047)	115,724	1,626,397
11	4.3% Sr Note due 10/1/2048	10/2018	600,000,000	600,000,000	600,000,000	600,000,000	4.30%	25,800,000	-	-	315,361	8,830,101
12	Sr Note 5.50% Due 06/15/2041	6/10/2011	400,000,000	400,000,000	400,000,000	400,000,000	5.50%	22,000,000	-	(669,302)	186,860	3,861,765
13	8.50% Sr Note due 3/15/2019	03/23/09	-	-	-	-	8.50%	-	-	-	-	0
14	4.15% Sr Note due 1/15/2043	01/15/13	500,000,000	500,000,000	500,000,000	500,000,000	4.15%	20,750,000	-	2,220,857	378,080	8,426,732
15	4.125% Sr Note due 10/15/2044	10/15/2014	750,000,000	750,000,000	750,000,000	750,000,000	4.13%	30,937,500	-	908,016	(43,555)	(1,048,442)
16	3% Sr Note due 6/15/2027	06/2017	500,000,000	500,000,000	500,000,000	500,000,000	3.00%	15,000,000	-	-	555,072	3,723,608
17	4.125% Sr Note due 3/15/49	03/2019	450,000,000	450,000,000	450,000,000	450,000,000	4.13%	18,562,500	-	3,004,713	220,238	6,258,419
18	2.625% Sr Notes Due 2029	10/2019	300,000,000	300,000,000	300,000,000	300,000,000	2.63%	7,875,000	-	-	266,667	2,400,000
19	3.375% Sr Notes Due 2049	10/2019	500,000,000	500,000,000	500,000,000	500,000,000	3.38%	16,875,000	-	-	187,982	5,451,464
20	\$200MM 3YR. Sr Credit Facility (Established 9/22/16)	04/2020	200,000,000	200,000,000	200,000,000	200,000,000	2.30%	4,600,000	-	-	82,500	125,583
21	October 2020 - Swap Position	04/2020	-	-	-	-	-	-	-	-	-	-
22	October 2021 - Swap Position	04/2020	-	-	-	-	-	-	-	-	-	-
23	October 2022 - Swap Position	07/2020	-	-	-	-	-	-	-	-	-	-
24	October 2024 - Swap Position	07/2020	-	-	-	-	-	-	-	-	-	-
25	Subtotal -- Utility Long-Term Debt		\$ 4,560,000,000	\$ 4,560,000,000	\$ 4,560,000,000	\$ 4,560,000,000		185,092,000		5,457,237	3,664,505	41,627,828
26												
27	Othwe Long-Term Debt											
28	<b>Total Long-Term Debt</b>		<u>4,560,000,000</u>	<u>4,560,000,000</u>	<u>4,560,000,000</u>	<u>4,560,000,000</u>		\$ 185,092,000				
29	Less Unamortized Debt Discount & Debt Premium		\$ 622,758	\$ 609,411	\$ 596,064	\$ 582,716				\$ 5,457,237	\$ 3,664,505	\$ 41,627,828
30	Less Unamortized Debt Expense		\$ 36,515,640	\$ 36,352,131	\$ 36,188,621	\$ 36,025,112						
31	Annualized Amortization of T-Lock Settlement, Debt Exp. & Debt Disct.							\$ 9,121,742				
32						<u>\$ 4,523,392,172</u>		<u>\$ 194,213,742</u>				
33	Effective Avg Cost of Consol Debt						<b>4.29%</b>	end of period				

Schedule 10

**Tennessee Distribution System  
Rate of Return  
Twelve Months Ended September 30, 2020**

Line No.	Description	Reference	Historic Base Period (1)	Change	Attrition Year	Ratemaking Adjustments	Current Rate of Return
	(a)	(b)	(c)	(d)	(e)	(f)	(g)
1	Total Revenues	Sch. 1	\$ 132,429,231				
2							
3	Gas Cost	Sch. 3	58,864,188				
4							
5	Operation & Maintenance Expense	Sch. 1	21,458,013				
6							
7	Taxes Other Than Income Taxes	Sch. 5	8,706,589				
8							
9	Depreciation & Amortization Expense	Sch. 1	16,000,176				
10							
11	Federal Income and State Excise Tax	WP 10-1	5,224,201				
12							
13	Interest on Customer Deposits	Sch. 1	40,175				
14							
15	AFUDC Interest credit	WP 1-2	(866,703)				
16							
17	Return on Rate Base		\$ 23,002,592				
18							
19	Total Rate Base	Sch. 7	\$ 421,188,462				
20							
21	Rate of Return on Rate Base		5.46%				
22							
23	Interest Expense	Sch. 9, Sch. 7	7,370,798				
24							
25							
26	Return on Equity		\$ 15,631,794				
27							
28	Rate of Return on Equity		6.20%				
29							
30	Note:						
31	1. Twelve months ended September 30, 2020						

Schedule 10R

**Tennessee Distribution System  
Rate of Return  
Twelve Months Ended September 30, 2020**

Line No.	Description	Reference	Historic Base Period (1)	Change	Attrition Year	Ratemaking Adjustments	Current Rate of Return
	(a)	(b)	(c)	(d)	(e)	(f)	(g)
1	Total Revenues	Sch. 1R	\$ 137,100,734				
2							
3	Gas Cost	Sch. 3	58,864,188				
4							
5	Operation & Maintenance Expense	Sch. 1R	21,458,013				
6							
7	Taxes Other Than Income Taxes	Sch. 5	8,706,589				
8							
9	Depreciation & Amortization Expense	Sch. 1R	15,170,284				
10							
11	Federal Income and State Excise Tax	Wp 10-1R	6,733,807				
12							
13	Interest on Customer Deposits	Sch. 1R	40,175				
14							
15	AFUDC Interest credit	WP 1-2	(866,703)				
16							
17	Return on Rate Base		\$ 26,994,381				
18							
19	Total Rate Base	Sch. 7R	\$ 396,425,023				
20							
21	Rate of Return on Rate Base		6.81%				
22							
23	Interest Expense	1. 9R, Sch.	7,096,008				
24							
25							
26	Return on Equity		\$ 19,898,373				
27							
28	Rate of Return on Equity		8.54%				
29							
30	Note:						
31	1. Twelve months ended September 30, 2020						



Wp 10-1

**Tennessee Distribution System**  
**Computation of State Excise and Federal Income Taxes for Sch 10**  
**Twelve Months Ended September 30, 2020**

Line	Description	Tax Rate	Historic Base Period (1)	Projected Amount	Adjusted Amount
	(a)	(b)	(c)	(d)	(e)
1	Net Operating Income Before Income Tax		\$ 27,360,090		
2					
3	Interest Deduction		7,370,798		
4					
5	Equity Portion of Return		\$ 19,989,292		
6					
7	Application of Tax Rate to Equity Return - Tennessee	6.5%	1,299,304		
8					
9	Application of Tax Rate to Equity Return - Federal	21%	3,924,897		
10					
11	Income Tax Expense		\$ 5,224,201		
12					
13	Less: ITC Amortization		-		
14					
15	Total Income Tax Liability		\$ 5,224,201		
16					
17	Note:				
18	1. Twelve months ended September 30, 2020				

Wp 10-1R

**Tennessee Distribution System**  
**Computation of State Excise and Federal Income Taxes for Sch 10**  
**Twelve Months Ended September 30, 2020**

Line	Description	Tax Rate	Historic Base Period (1)	Projected Amount	Adjusted Amount
	(a)	(b)	(c)	(d)	(e)
1	Net Operating Income Before Income Tax		\$ 32,861,485		
2					
3	Interest Deduction		7,096,008		
4					
5	Equity Portion of Return		\$ 25,765,477		
6					
7	Application of Tax Rate to Equity Return - Tennessee	6.5%	1,674,756		
8					
9	Application of Tax Rate to Equity Return - Federal	21%	5,059,051		
10					
11	Income Tax Expense		\$ 6,733,807		
12					
13	Less: ITC Amortization		-		
14					
15	Total Income Tax Liability		\$ 6,733,807		
16					
17	Note:				
18	1. Twelve months ended September 30, 2020				

Schedule 11-1

Tennessee Distribution System  
Proof of Revenues and Calculation of Rates  
Historic Test Period Margin at Present Rates  
Actual Twelve Months Ended September 30, 2020

Line No.	Description	12 Mths Ended Sep 20		Rates effective Sep 20		12 mths Sep 20	Weather	12 mths Sep 20	12 mths Sep 20	12 mths Sep 20
		Base Count	Volumes Mcf	Monthly Customer chg	Commodity Charge/Mcf	Margin at Sep 20 Rates	Adjustment Volumes Mcf	WNA Adjusted Volumes Mcf	Weather adj Margin at Sep 20 Rates	WNA \$ Adj at Sep 20 Rates
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	
1	<b>RESIDENTIAL</b>									
2	210 Residential Gas Service (Summer)	671,385	1,187,647	\$15.65	\$1.214	11,949,289		1,187,647	11,949,289	\$0
3	210 Residential Gas Service (Winter) (weather sensitive)	932,249	6,494,998	\$17.65	\$1.214	24,340,823	764,537	7,259,536	25,269,171	\$928,349
4	210 Residential Gas Service Senior Citizen (Summer)	383	433	\$0.00	\$1.214	525		433	525	\$0
5	210 Residential Gas Service Senior Citizen (Winter) (weather sensitive)	629	3,816	\$0.00	\$1.214	4,634		3,816	4,634	\$0
6	211 Residential/Sm. Commercial/Industrial Heating & Cooling	3	31	\$14.75	\$0.751	68	3	34	70	\$2
7	Total Residential	1,604,649	7,686,925			36,295,339	764,541	8,451,466	37,223,690	928,351
8										
9	<b>COMMERCIAL</b>									
10	211 Residential/Sm. Commercial/Industrial Heating & Cooling	0	0	14.75	0.751	0		0	0	\$0
11	220 Commercial Gas Service (weather sensitive)	205,524	5,192,353	36.75	2.458	20,316,960	397,265	5,589,618	21,293,525	\$976,565
12	230 Large Commercial Gas Service (weather sensitive)	0	0	405.00	2.151	0	0	0	0	\$0
13	250 Commercial Interruptible Gas Service			425.00		0		0	0	
14	Block 1 Volumes				1.206	0		0	0	
15	Block 2 Volumes				0.799	0		0	0	
16	Block 3 Volumes				0.370	0		0	0	
17	293 Large Tonnage Air Conditioning Gas Service	12		36.75		441		0	441	
18	Block 1 Volumes		12,983		1.206	15,658		12,983	15,658	
19	Block 2 Volumes		4,430		0.799	3,538		4,430	3,538	
20	Block 3 Volumes		0		0.370	0		0	0	
21	Total Commercial	205,536	5,209,765			20,336,598	397,265	5,607,030	21,313,163	976,565
22										
23	<b>INDUSTRIAL</b>									
24	220 Industrial Gas Service (weather sensitive)	3,862	593,010	36.75	2.458	1,599,678	45,371	638,381	1,711,210	\$111,532
25	230 Large Industrial Gas Service	87	83,384	405.00	2.151	214,569		83,384	214,569	
26	240 DEMAND/COMM GS	0	0	425.00		0		0	0	
27	Block 1 Volumes		0		1.206	0		0	0	
28	Block 2 Volumes		0		0.799	0		0	0	
29	Block 3 Volumes		0		0.370	0		0	0	
30	Demand Volumes		0		16.283	0		0	0	
31	250 Industrial Interruptible Gas Service	211		425.00		89,675		0	89,675	
32	Block 1 Volumes		203,946		1.206	245,980		203,946	245,980	
33	Block 2 Volumes		597,025		0.799	476,903		597,025	476,903	
34	Block 3 Volumes		86,034		0.370	31,836		86,034	31,836	
35	250/240/280 Industrial/Demand/Economic Dev	0		425.00		0		0	0	
36	Block 1 Volumes		0		1.206	0		0	0	
37	Block 1 Volumes @ Discount Rate		0		0.905	0		0	0	
38	Block 2 Volumes		0		0.799	0		0	0	
39	Block 2 Volumes @ Discount Rate		0		0.599	0		0	0	
40	Block 3 Volumes		0		0.370	0		0	0	
41	Block 3 Volumes @ Discount Rate		0		0.278	0		0	0	
42	Demand Volumes		0		16.283	0		0	0	
43	Demand Volumes @ Discount Rate		0		12.212	0		0	0	
44	280/250 Economic Development Gas Service	12		425.00		5,100		0	5,100	
45	Block 1 Volumes		0		1.206	0		0	0	
46	Block 1 Volumes @ Discount Rate		24,000		0.905	21,710		24,000	21,710	
47	Block 2 Volumes		0		0.799	0		0	0	
48	Block 2 Volumes @ Discount Rate		29,204		0.599	17,496		29,204	17,496	
49	Block 3 Volumes		0		0.370	0		0	0	
50	Block 3 Volumes @ Discount Rate		0		0.278	0		0	0	
51	292 Cogeneration, CNG, Prime Movers Service	12		36.75		441		0	441	
52	Block 1 Volumes		3,048		1.206	3,676		3,048	3,676	
53	Block 2 Volumes		0		0.799	0		0	0	
54	Block 3 Volumes		0		0.370	0		0	0	
55	Total Industrial	4,184	1,619,651			2,707,064	45,371	1,665,022	2,818,596	111,532
56										
57	<b>PUBLIC AUTHORITY</b>									
58	211 Residential/Sm. Commercial/Industrial Heating & Cooling	0	0	14.75	\$0.751	0		0	0	\$0
59	221 Experimental School Gas Service	36	22,273	36.75	1.195	27,944	1,704	23,978	29,981	\$2,037
60	225 Public Authority Gas Service (Sr. Citizen) (Summer)	0	0	0.00	1.214	0		0	0	\$0
61	225 Public Authority Gas Service (Sr. Citizen) (Winter)	0	0	0.00	1.214	0		0	0	\$0
62	225 Public Authority Gas Service (Summer)	3,438	5,670	15.65	1.214	60,689		5,670	60,689	\$0
63	225 Public Authority Gas Service (Winter)	5,135	24,723	17.65	1.214	120,653	3,023	27,746	124,324	3,671
64	Total Public Authority	8,609	52,667			209,287	4,727	57,394	214,994	5,707
65										
66	<b>TRANSPORTATION</b>									
67	260 - TRANSP (220 SML COM/INDG)	122	117,684	425.00	2.458	341,143		117,684	341,143	
68	260 - TRANSP (230 LRG COM/INDG)	537	1,471,941	425.00	2.151	3,393,931		1,471,941	3,393,931	
69	260 - TRANSP (240 DEMAND)	60		425.00		25,500		0	25,500	
70	Block 1 Volumes		120,308		1.206	145,104		120,308	145,104	
71	Block 2 Volumes		262,460		0.799	209,653		262,460	209,653	
72	Block 3 Volumes		0		0.370	0		0	0	
73	Demand Volumes		20,573		16.283	334,984		20,573	334,984	
74	260 - TRANSP (250 OPT GS)	648		425.00		275,400		0	275,400	
75	Block 1 Volumes		1,262,940		1.206	1,523,232		1,262,940	1,523,232	
76	Block 2 Volumes		5,131,808		0.799	4,099,288		5,131,808	4,099,288	
77	Block 3 Volumes		246,099		0.370	91,066		246,099	91,066	
78	260 - TRANSP (280/240 ECON DEV/DEMAND)	0		425.00		0		0	0	
79	Block 1 Volumes		0		1.206	0		0	0	
80	Block 1 Volumes @ Discount Rate		0		0.905	0		0	0	
81	Block 2 Volumes		0		0.799	0		0	0	
82	Block 2 Volumes @ Discount Rate		0		0.599	0		0	0	
83	Block 3 Volumes		0		0.370	0		0	0	
84	Block 3 Volumes @ Discount Rate		0		0.278	0		0	0	
85	Demand Volumes		0		16.283	0		0	0	
86	Demand Volumes @ Discount Rate		0		12.212	0		0	0	
87	260 - TRANSP (280/250 ECON DEV - OPT GS)	0		425.00		0		0	0	
88	Block 1 Volumes		0		1.206	0		0	0	
89	Block 1 Volumes @ Discount Rate		0		0.905	0		0	0	
90	Block 2 Volumes		0		0.799	0		0	0	
91	Block 2 Volumes @ Discount Rate		0		0.599	0		0	0	
92	Block 3 Volumes		0		0.370	0		0	0	
93	Block 3 Volumes @ Discount Rate		0		0.278	0		0	0	
94	SPECIAL CONTRACTS	24	2,779,457			919,014		2,779,457	919,014	
95	Total Transportation	1,391	11,392,696			11,358,315	0	11,392,696	11,358,315	0
96										
97	TOTALS	1,824,369	25,961,705			\$70,906,603	1,211,903	27,173,608	\$72,928,759	\$2,022,155
98										
99	Other					1,452			0	
100	4870 - Forfeited Discount					\$341,903			\$341,903	
101	4880 - Miscellaneous Service charges					\$294,382			294,382	
102	4960 Tax Reform Cost of Service Reserve					\$2,223,443			0	
103	TOTAL MARGIN REVENUES					\$73,767,783			\$73,565,043	

Tennessee Distribution System  
Proof of Revenues and Calculation of Rates  
Rate Effective Year at Present Rates  
Historic Test Period Ended September 30, 2020

		210,211,225 220,221,230C		0.00% 0.00%							
Line No.	Description	12 Mths Ended Sep 20 Base Count Weather Adj. Vol Mcf	Rates effective Sep 20 Monthly Commodity Customer chg Charge/Mcf	12 mths Sep 20 Weather adj Margin at Sep 20 Rates	N O T E	Customer Changes Base Count Volumes Mcf	Customer Growth Base Count Volumes Mcf	Declining Usage Volumes Mcf	Adjusted Base Count	Adjusted Volumes Mcf	Total Adjusted Margin Rev
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)
1	RESIDENTIAL										
2	210 Residential Gas Service (Summer)	671,385	1,187,647	\$15.65	\$1,214		0	0	0	671,385	1,187,647
3	210 Residential Gas Service (Winter) (weather sensitive)	932,249	7,259,536	\$17.65	\$1,214		0	0	0	932,249	7,259,536
4	210 Residential Gas Service Senior Citizen (Summer)	383	433	\$0.00	\$1,214		0	0	0	383	433
5	210 Residential Gas Service Senior Citizen (Winter) (weather sensitive)	629	3,816	\$0.00	\$1,214		0	0	0	629	3,816
6	211 Residential/Sm. Commercial/Industrial Heating & Cooling S	3	34	\$14.75	\$0.751		0	0	0	3	34
7	Total Residential	1,604,649	8,451,466				0	0	0	1,604,649	8,451,466
8											
9	COMMERCIAL										
10	211 Residential/Sm. Commercial/Industrial Heating & Cooling S	0	0	14.75	0.751		0	0	0	0	0
11	220 Commercial Gas Service (weather sensitive)	205,524	5,589,618	36.75	2.458		0	0	0	205,524	5,589,618
12	230 Large Commercial Gas Service (weather sensitive)	0	0	405.00	2.151		0	0	0	0	0
13	250 Commercial Interruptible Gas Service	0	0	425.00	0		0	0	0	0	0
14	Block 1 Volumes	0	0		1.206		0	0	0	0	0
15	Block 2 Volumes	0	0		0.799		0	0	0	0	0
16	Block 3 Volumes	0	0		0.370		0	0	0	0	0
17	293 Large Tonnage Air Conditioning Gas Service	12		36.75		441			12		441
18	Block 1 Volumes		12,983		1.206	15,658			0	12,983	15,658
19	Block 2 Volumes		4,430		0.799	3,538			0	4,430	3,538
20	Block 3 Volumes		0		0.370	0			0	0	0
21	Total Commercial	205,536	5,607,030				0	0	205,536	5,607,030	21,313,163
22											
23	INDUSTRIAL										
24	220 Industrial Gas Service (weather sensitive)	3,862	638,381	36.75	2.458		0	0	3,862	638,381	1,711,210
25	230 Large Industrial Gas Service	87	83,384	405.00	2.151	214,569			87	83,384	214,569
26	240 DEMAND/COM G	0	0	425.00	0	0			0	0	0
27	Block 1 Volumes	0	0		1.206	0			0	0	0
28	Block 2 Volumes	0	0		0.799	0			0	0	0
29	Block 3 Volumes	0	0		0.370	0			0	0	0
30	Demand Volumes	0	0		16.283	0			0	0	0
31	250 Industrial Interruptible Gas Service	211		425.00		89,675			211		89,675
32	Block 1 Volumes		203,946		1.206	245,980			0	203,946	245,980
33	Block 2 Volumes		597,025		0.799	476,903			0	597,025	476,903
34	Block 3 Volumes		86,034		0.370	31,836			0	86,034	31,836
35	250/240/280 Industrial/Demand/Economic Dev	0	0	425.00	0	0			0	0	0
36	Block 1 Volumes	0	0		1.206	0			0	0	0
37	Block 1 Volumes @ Discount Rate	0	0		0.905	0			0	0	0
38	Block 2 Volumes	0	0		0.799	0			0	0	0
39	Block 2 Volumes @ Discount Rate	0	0		0.599	0			0	0	0
40	Block 3 Volumes	0	0		0.370	0			0	0	0
41	Block 3 Volumes @ Discount Rate	0	0		0.278	0			0	0	0
42	Demand Volumes	0	0		16.283	0			0	0	0
43	Demand Volumes @ Discount Rate	0	0		12.212	0			0	0	0
44	280/250 Economic Development Gas Service	12		425.00		5,100			12		5,100
45	Block 1 Volumes		0		1.206	0			0	0	0
46	Block 1 Volumes @ Discount Rate		24,000		0.905	21,710			0	24,000	21,710
47	Block 2 Volumes		0		0.799	0			0	0	0
48	Block 2 Volumes @ Discount Rate		29,204		0.599	17,496			0	29,204	17,496
49	Block 3 Volumes		0		0.370	0			0	0	0
50	Block 3 Volumes @ Discount Rate		0		0.278	0			0	0	0
51	292 Cogeneration, CNG, Prime Movers Service	12		36.75		441			12		441
52	Block 1 Volumes		3,048		1.206	3,676			0	3,048	3,676
53	Block 2 Volumes		0		0.799	0			0	0	0
54	Block 3 Volumes		0		0.370	0			0	0	0
55	Total Industrial	4,184	1,665,022			2,818,596		0	4,184	1,665,022	2,818,596
56											
57	PUBLIC AUTHORITY										
58	211 Residential/Sm. Commercial/Industrial Heating & Cooling S	0	0	14.75	0.751				0	0	0
59	221 Experimental School Gas Service	36	23,978	36.75	1.195	29,981		0	36	23,978	29,981
60	225 Public Authority Gas Service (Sr. Citizen) (Summer)	0	0	0.00	1,214				0	0	0
61	225 Public Authority Gas Service (Sr. Citizen) (Winter) (weather sensitive)	0	0	0.00	1,214				0	0	0
62	225 Public Authority Gas Service (Summer)	3,438	5,670	15.65	1,214	60,689		0	3,438	5,670	60,689
63	225 Public Authority Gas Service (Winter) (weather Sensitive)	5,135	27,746	17.65	1,214	124,324		0	5,135	27,746	124,324
64	Total Public Authority	8,609	57,394			214,994		0	8,609	57,394	214,994
65											
66	TRANSPORTATION										
67	260 - TRANSP (220 SML COM/INDG)	122	117,684	425.00	2.458	341,143			122	117,684	341,143
68	260 - TRANSP (230 LRG COM/INDG)	537	1,471,941	425.00	2.151	3,393,931			537	1,471,941	3,393,931
69	260 - TRANSP (240 DEMAND)	60		425.00		25,500			60		25,500
70	Block 1 Volumes		120,308		1.206	145,104			0	120,308	145,104
71	Block 2 Volumes		262,460		0.799	209,653			0	262,460	209,653
72	Block 3 Volumes		0		0.370	0			0	0	0
73	Demand Volumes		20,573		16.283	334,984			0	20,573	334,984
74	260 - TRANSP (250 OPT GS)	648		425.00		275,400			648		275,400
75	Block 1 Volumes		1,262,940		1.206	1,523,232			0	1,262,940	1,523,232
76	Block 2 Volumes		5,131,808		0.799	4,099,288			0	5,131,808	4,099,288
77	Block 3 Volumes		246,099		0.370	91,066			0	246,099	91,066
78	260 - TRANSP (280/240 ECON DEV/DEMAND)	-		425.00		0			0		0
79	Block 1 Volumes		0		1.206	0			0	0	0
80	Block 1 Volumes @ Discount Rate		0		0.905	0			0	0	0
81	Block 2 Volumes		0		0.799	0			0	0	0
82	Block 2 Volumes @ Discount Rate		0		0.599	0			0	0	0
83	Block 3 Volumes		0		0.370	0			0	0	0
84	Block 3 Volumes @ Discount Rate		0		0.278	0			0	0	0
85	Demand Volumes		0		16.283	0			0	0	0
86	Demand Volumes @ Discount Rate		0		12.212	0			0	0	0
87	260 - TRANSP (280/250 ECON DEV - OPT GS)	-		425.00		0			0		0
88	Block 1 Volumes		0		1.206	0			0	0	0
89	Block 1 Volumes @ Discount Rate		0		0.905	0			0	0	0
90	Block 2 Volumes		0		0.799	0			0	0	0
91	Block 2 Volumes @ Discount Rate		0		0.599	0			0	0	0
92	Block 3 Volumes		0		0.370	0			0	0	0
93	Block 3 Volumes @ Discount Rate		0		0.278	0			0	0	0
94	SPECIAL CONTRACTS	24	2,779,457			919,014			24	2,779,457	919,014
95	Total Transportation	1,391	11,392,696			11,358,315		0	1,391	11,392,696	11,358,315
96											
97	TOTALS	1,824,369	27,173,608			\$72,928,759		0	1,824,369	27,173,608	\$72,928,759
98											
99	4870 - Forfeited Discount					341,903					\$341,903
100	4880 - Miscellaneous Service charges					294,382					294,382
101	TOTAL MARGIN REVENUES					\$73,565,043					\$73,565,043

Tennessee Distribution System  
Proof of Revenues and Calculation of Rates  
Rate Design for Rate Effective Year  
Twelve Months Ended September 30, 2020

Additional Revenue: 10,722,149

Line No.		Rates effective Sep18		Adjusted	Adjusted	Total	Cust	Commodity	%	Allocated	Proposed	Proposed	Proposed	Proposed		Cust	Commodity	%		
	Description	Monthly	Commodity	Base	Volumes	Adjusted	Charge	Charge	of	Amount of	Cust	Commodity	Cust	Commodity	Total	Charge	Charge	of		
(a)	(b)	Customer chg	Charge/Mcf	Count	Mcf	Margin Rev	Rev	Rev	Total Rev	Increase	Charge	Charge	Rev	Rev		%	%	Total Rev		
1	Rate Schedule 210/225			(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)	(s)	(t)
2	210/225 SUMMER	\$15.65	\$1.214	674,823	1,193,317	\$12,009,979	\$10,560,980	\$1,448,999					18.00	1.424	\$12,146,814	\$1,699,538	13,846,352			
3	210/225 WINTER (weather sensitive)	\$17.65	\$1.214	937,384	7,287,282	25,393,495	\$16,544,828	\$8,848,667					20.00	1.424	\$18,747,680	\$10,378,643	29,126,323			
4	210/225 SR CIT	\$0.00	\$1.214	1,012	4,249	5,159	\$0	\$5,159					0.00	1.424	\$0	\$6,051	6,051			
5	Total 210/225			1,613,219	8,484,848	37,408,633	27,105,808	10,302,826	72%	28%	51.95%	5,570,093			30,894,494	12,084,232	42,978,726	72%	28%	51.95%
6																				
7	Rate Schedule 211																			
8	211 HVAC	\$14.75	\$0.751	3	34	70	\$44	\$26	63%	37%	0.00%	10	17.00	0.870	\$51	\$30	81	63%	37%	0.00%
9																				
10	Rate Schedule 220																			
11	220 Commercial / Industrial Gas Service	\$36.75	\$2.458	209,386	6,227,998	23,004,735	\$7,694,936	\$15,309,800	33%	67%			42.25	2.824	\$8,846,559	\$17,587,643	26,434,202	33%	67%	
12	220 Transportation	\$425.00	\$2.458	122	117,684	341,143	\$51,850	\$289,293	15%	85%			455.00	2.824	\$55,510	\$332,335	387,845	14%	86%	
13	Total 220			209,508	6,345,682	23,345,878	7,746,786	15,599,093	33%	67%	32.42%	3,476,168			8,902,069	17,919,978	26,822,047	33%	67%	32.42%
14																				
15	Rate Schedule 221																			
16	221 Experimental School Gas Service	\$36.75	\$1.195	36	23,978	29,981	\$1,323	\$28,658	4%	96%	0.04%	4,464	42.25	1.373	\$1,521	\$32,924	34,445	4%	96%	0.04%
17																				
18	Rate Schedule 230																			
19	230 Large Commercial / Industrial Gas Service	\$405.00	\$2.151	87	83,384	214,569	\$35,235	\$179,334	16%	84%			455.00	2.483	\$39,585	\$207,042	246,627	16%	84%	
20	230 Transportation	\$425.00	\$2.151	537	1,471,941	3,393,931	\$228,225	\$3,165,706	7%	93%			455.00	2.483	\$244,335	\$3,654,838	3,899,173	6%	94%	
21	Total 230			624	1,555,324	3,608,500	263,460	3,345,040	7%	93%	5.01%	537,301			283,920	3,861,880	4,145,800	7%	93%	5.01%
22																				
23	Rate Schedule 240/250/280/292/293																			
24	240 Demand/Commodity Gas Service	\$425.00		60		25,500	\$25,500						455.00		\$27,300		27,300			
25	Block 1 Volumes		\$1.206		120,308	145,104		\$145,104						1.390		\$167,257	167,257			
26	Block 2 Volumes		\$0.799		262,460	209,653		\$209,653						0.921		\$241,674	241,674			
27	Block 3 Volumes		\$0.370		0	0		\$0						0.427		\$0	0			
28	Demand Volumes		\$16.283		20,573	334,984		\$334,984						18.950		\$389,851	389,851			
29	250 Interruptible Gas Service	\$425.00		859		365,075	\$365,075						455.00		\$390,845		390,845			
30	Block 1 Volumes		\$1.206		1,466,886	1,769,212		\$1,769,212						1.390		\$2,039,311	2,039,311			
31	Block 2 Volumes		\$0.799		5,728,833	4,576,191		\$4,576,191						0.921		\$5,275,109	5,275,109			
32	Block 3 Volumes		\$0.370		332,133	122,902		\$122,902						0.427		\$141,673	141,673			
33	280 ECON DEV - OPT GS	\$425.00		12		5,100	\$5,100						455.00		\$5,460		5,460			
34	Block 1 Volumes		\$1.206		0	0		\$0						1.390		\$0	0			
35	Block 1 Volumes @ Discount Rate		\$0.905		24,000	21,710		\$21,710						1.043		\$25,024	25,024			
36	Block 2 Volumes		\$0.799		0	0		\$0						0.921		\$0	0			
37	Block 2 Volumes @ Discount Rate		\$0.599		29,204	17,496		\$17,496						0.691		\$20,168	20,168			
38	Block 3 Volumes		\$0.370		0	0		\$0						0.427		\$0	0			
39	Block 3 Volumes @ Discount Rate		\$0.28		0	0		\$0						0.320		\$0	0			
40	292 Cogeneration, CNG, Prime Movers Service	\$36.75		12		441	\$441						42.25		\$507		507			
41	Block 1 Volumes		\$1.206		3,048	3,676		\$3,676						1.390		\$4,238	4,238			
42	Block 2 Volumes		\$0.799		0	0		\$0						0.921		\$0	0			
43	Block 3 Volumes		\$0.370		0	0		\$0						0.427		\$0	0			
44	293 Large Tonnage Air Conditioning Gas Service	\$36.75		12		441	\$441						42.25		\$507		507			
45	Block 1 Volumes		\$1.206		12,983	15,658		\$15,658						1.390		\$18,049	18,049			
46	Block 2 Volumes		\$0.799		4,430	3,538		\$3,538						0.921		\$4,079	4,079			
47	Block 3 Volumes		\$0.370		0	0		\$0						0.427		\$0	0			
48	Total 240/250/280/292/293			955	8,004,858	7,616,683	396,557	7,220,126	5%	95%	10.58%	1,134,113			\$424,619	\$8,326,432	8,751,051	5%	95%	10.58%
49																				
50	TOTALS			1,824,345	24,414,724	72,009,745	35,513,977	36,495,767	49%	51%	100.00%	10,722,149			40,506,674	42,225,476	82,732,150	49%	51%	100.00%

Schedule 11-4

**Atmos Energy Corp - Tennessee Distribution System**  
**Proof of Revenues and Calculation of Rates**  
**Summary Of Present And Proposed Rates**  
**For the Rate Effective Year**

	<u>Current Rate</u> Monthly	<u>Proposed Rate</u> Monthly
<b>Sales and Transportation Revenues:</b>		
210 Residential Gas Service (WINTER)		
Customer Charge	\$17.65	\$20.00
Commodity Charge	\$1.214	\$1.424
210 Residential Gas Service (SUMMER)		
Customer Charge	\$15.65	\$18.00
Commodity Charge	\$1.214	\$1.424
211 Residential & Small Commercial/Industrial Heating & Cooling		
Customer Charge	\$14.75	\$17.00
Commodity Charge	\$0.751	\$0.870
220 Commercial & Industrial Gas Service		
Customer Charge	\$36.75	\$42.25
Commodity Charge	\$2.458	\$2.824
221 Experimental School Gas Service		
Customer Charge	\$36.75	\$42.25
Commodity Charge	\$1.195	\$1.373
225 Public Housing Authority Gas Service (WINTER)		
Customer Charge	\$17.65	\$20.00
Commodity Charge	\$1.214	\$1.424
225 Public Housing Authority Gas Service (SUMMER)		
Customer Charge	\$15.65	\$18.00
Commodity Charge	\$1.214	\$1.424
230 Large Commercial & Industrial Gas Service		
Customer Charge	\$405.00	\$455.00
Commodity Charge	\$2.151	\$2.483
240 Demand/Commodity Gas Service		
Customer Charge	\$425.00	\$455.00
1 - 2,000 Mcf	\$1.206	\$1.390
Next 48,000 Mcf	\$0.799	\$0.921
Over 50,000 Mcf	\$0.370	\$0.427
Demand Charge	\$16.283	\$18.950
250 Interruptible Gas Service		
Customer Charge	\$425.00	\$455.00
1 - 2,000 Mcf	\$1.206	\$1.390
Next 48,000 Mcf	\$0.799	\$0.921
Over 50,000 Mcf	\$0.370	\$0.427
260 Transportation Service / 250 Interruptible Gas Service		
Customer Charge	\$425.00	\$455.00
1 - 2,000 Mcf	\$1.206	\$1.390
Next 48,000 Mcf	\$0.799	\$0.921
Over 50,000 Mcf	\$0.370	\$0.427
260 Transportation Service / 220 Commercial & Industrial Gas Service		
Customer Charge	\$425.00	\$455.00
Commodity Charge	\$2.458	\$2.824
260 Transportation Service / 230 Large Commercial & Industrial Gas Service		
Customer Charge	\$425.00	\$455.00
Commodity Charge	\$2.151	\$2.483
Schedule 280 Economic Development Gas Service		
Customer Charge	\$425.00	\$455.00
1 - 2,000 Mcf	\$1.206	\$1.390
1 - 2,000 Mcf @ Discount Rate	\$0.905	\$1.043
Next 48,000 Mcf	\$0.799	\$0.921
Next 48,000 Mcf @ Discount Rate	\$0.599	\$0.691
Over 50,000 Mcf	\$0.370	\$0.427
Over 50,000 Mcf @ Discount Rate	\$0.278	\$0.320
Schedule 292 Cogeneration, CNG. Prime Movers, Fuel Cell Service		
Customer Charge	\$36.75	\$42.25
1 - 2,000 Mcf	\$1.206	\$1.390
Next 48,000 Mcf	\$0.799	\$0.921
Over 50,000 Mcf	\$0.370	\$0.427
Schedule 293 Large Tonnage Air Conditioning Gas Service		
Customer Charge	\$36.75	\$42.25
1 - 2,000 Mcf	\$1.206	\$1.390
Next 48,000 Mcf	\$0.799	\$0.921
Over 50,000 Mcf	\$0.370	\$0.427

Docket 14-00146  
Schedule 1

Atmos Energy Corporation  
Revenue Deficiency (Surplus)  
Twelve Months Ended September 30, 2020

Line No.		Company	Reference
1	Rate Base	421,188,462	See 2RB
2	Operating Income at Present Rates	23,002,591	See 3 IS
3	Earned Rate of Return (L 2 / L 1)	5.46%	
4	Fair Rate of Return	7.62%	See 8 CC
5	Required Operating Income (L 1 x L 4)	32,094,561	
6	Operating Income Deficiency (Surplus) (L 5 - L 2)	9,091,969	
7	Gross Revenue Conversion Factor	1.361000	See 7 GU
8	<b>Revenue Deficiency (Surplus)</b>	<b>12,374,170</b>	

Docket 14-00146  
Schedule 2

Atmos Energy Corporation  
Rate Base  
Twelve Months Ended September 30, 2020

Line No.		Company	Reference
1	Utility Plant in Service	698,819,253	Sch 7, Col (d), Ln 1
2	Construction Work in Progress	15,850,710	Sch 7, Col (d), Ln 5
3	Materials and Supplies / Storage Gas	3,971,698	Sch 7, Col (d), Ln 11
4	Working Capital/Deferred Rate Case	1,343,531	Sch 7, Col (d), Ln 9
5	Net Elimination of Intercompany Leased Property	6,511,205	Sch 7, Col (d), Ln 27
6	Deferred Pension Regulated Asset	(27,294,830)	Sch 7, Col (d), Ln 13
7	Total Additions	<u>699,201,568</u>	
	Deductions:		
8	Accumulated Depreciation	226,109,537	Sch 7, Col (d), Ln 3
9	Customer Deposits	1,236,145	Sch 7, Col (d), Ln 19
10	Contributions and Advances in Aid of Construction	20,280	Sch 7, Col (d), Ln 17
11	Accumulated Deferred Tax-Accel. Depreciation	45,135,975	Sch 7, Col (d), Ln 15
12	Accrued Interest on Customer Deposits	19,393	Sch 7, Col (d), Ln 21
13	Adjustment for Capitalized Incentive Compensation	5,491,775	
14	Total Deductions	<u>278,013,105</u>	
15	Rate Base	<u>421,188,462</u>	



Docket 14-00146  
Schedule 3

Atmos Energy Corporation  
Income Statement  
Twelve Months Ended September 30, 2020

Line No.		Company	Reference
1	Revenues - Sales, forfeited discounts & other	132,429,231	Sch 1, Col (c), Ln 20
2	Cost of Gas	58,864,188	Sch 1, Col (c), Ln 1
3	Gross margin on sales and service	73,565,043	
4	AFUDC	866,703	Sch 1, Col (c), Ln 13
5	Operating Margin	74,431,746	
6	Other Operation and Maintenance	21,458,013	See 4 O&M
7	Interest on Customer Deposits	40,175	Sch 1, Col (c), Ln 13
8	Depreciation and Amortization Exp.	16,000,176	Sch 1, Col (c), Ln 13
9	Taxes Other Than Income	8,706,589	See 5 Tax
10	State Excise Tax	1,299,304	See 6 FIT
11	Federal Income Tax	3,924,897	See 6 FIT
12	Total Operating Expense	51,429,155	
13	Net Operating Income for Return	23,002,591	
14	Plus amortization-Gain	-	
15	Plus adjustments	-	
16	Adjusted Net Operating Income	23,002,591	

Docket 14-00146  
Schedule 4

Atmos Energy Corporation  
Operations and Maintenance Expenses  
Twelve Months Ended September 30, 2020

Line No.		Company	Reference
1	Labor	8,240,031	WP 4-1, Excel Col Q, Ln 1
2	Benefits	2,333,737	WP 4-1, Excel Col Q, Ln 2
3	Employee Welfare	2,412,340	WP 4-1, Excel Col Q, Ln 3
4	Insurance	1,350,227	WP 4-1, Excel Col Q, Ln 4
5	Rent, Maint., & Utilities	1,268,034	WP 4-1, Excel Col Q, Ln 5
6	Vehicles & Equip	455,865	WP 4-1, Excel Col Q, Ln 6
7	Materials and Supplies	539,284	WP 4-1, Excel Col Q, Ln 7
8	Information Technologies	1,375,783	WP 4-1, Excel Col Q, Ln 8
9	Telecom	387,547	WP 4-1, Excel Col Q, Ln 9
10	Marketing	280,519	WP 4-1, Excel Col Q, Ln 10
11	Directors & Shareholders & PR	256,710	WP 4-1, Excel Col Q, Ln 11
12	Dues & Donations	174,219	WP 4-1, Excel Col Q, Ln 12
13	Print & Postage	62,789	WP 4-1, Excel Col Q, Ln 13
14	Travel & Entertainment	437,956	WP 4-1, Excel Col Q, Ln 14
15	Training	68,749	WP 4-1, Excel Col Q, Ln 15
16	Outside Services	6,669,183	WP 4-1, Excel Col Q, Ln 16
17	Provision for Bad Debt	608,153	WP 4-1, Excel Col Q, Ln 17
18	Miscellaneous	(4,005,833)	WP 4-1, Excel Col Q, Ln 18
19	Rate Case Expense	-	WP 4-1, Excel Col Q, Ln 21
20	Elimination of Intercompany Leased Property - Rent	-	WP 4-1, Excel Col C, Ln 14
21	Inclusion of Barnsley Storage Operating Expense	250,384	WP 4-1, Excel Col D, Ln 14
22	Interest Expense	7,370,798	Sch 8, Col (e), Ln 3
23	Disallowed Items	(1,526,198)	
24	CAU Adj #2 Supplemental Exec. Retirement	(164,922)	WP 4-1, Excel Col P, Ln 37
25	CAU Adj #4 Certain Legal Costs	(16,542)	Sch 4, Col C, Ln 20
26	Total O&M Expense	<u>28,828,812</u>	

Docket 14-00146  
Schedule 5

Atmos Energy Corporation  
Operations and Maintenance Expense  
Twelve Months Ended September 30, 2020

Line No.		Company	Reference
1	Property Taxes	5,237,960	WP 7-6, Col (b), Ln 11+Ln19+Ln23
2	State Gross Receipts Tax	1,158,580	WP 7-6, Col (b), Ln 12
3	Payroll Taxes	679,397	WP 7-6, Col (b), Ln 13+Ln20+Ln24
4	State Franchise Tax	1,002,000	WP 7-6, Col (b), Ln 14
5	Other General Taxes	23,106	
6	TRA Inspection Fee	605,546	WP 7-6, Col (b), Ln 15
7	Total Taxes Other Than Income Taxes	8,706,589	

Docket 14-00146  
Schedule 6

Atmos Energy Corporation  
Federal and Excise Taxes  
Twelve Months Ended September 30, 2020

Line No.		Company	Reference
1	Operating Margin	73,565,043	See 3 IS
2	Other Operation and Maintenance	21,458,013	See 3 IS
3	Depreciation and Amortization Expense	16,000,176	See 3 IS
4	Taxes Other Than Income	8,706,589	See 3 IS
5	NOI Before Excise and Income Taxes	27,400,265	
6	less Interest on Customer Deposits	40,175	See 3 IS
7	less Interest Expense	7,370,798	See 3 IS
8	Pre-tax Book Income	19,989,292	
9	Schedule M Adjustments	-	
10	Excise Taxable Income	19,989,292	
11	Excise Tax Rate	6.50%	
12	Excise Tax	1,299,304	
13	Pre-tax Book Income	19,989,292	
14	Excise Tax	1,299,304	
15	Schedule M Adjustments	-	
16	FIT Taxable Income	18,689,988	
17	FIT Rate	21.00%	
18	Subtotal FIT	3,924,897	
19	Less: ITC Amortization	-	
20	Federal Income Tax Expense	3,924,897	

Docket 14-00146  
Schedule 7

Atmos Energy Corporation  
Gross Revenue Conversion Factor  
Twelve Months Ended September 30, 2020

Line No.		Amount	Balance	Reference
1	Operating Revenues		1.000000	
2	Add: Forfeited Discounts	0.002494 A/	<u>0.002494</u>	WP 8-2, Excel Col D, Ln 3
3	Balance		1.002494	
4	Uncollectible Ratio	0.007773 B/	<u>0.007793</u>	WP 8-2, Excel Col D, Ln 7
5	Balance		0.994701	
6	State Excise Tax	0.065000 C/	<u>0.064656</u>	WP 8-2, Excel Col D, Ln 11
7	Balance		0.930046	
8	Federal Income Tax	0.210000 C/	<u>0.195310</u>	WP 8-2, Excel Col D, Ln 15
9	Balance		<u>0.734736</u>	
10	Revenue Conversion Factor (1 / Line 9)		<u><u>1.361000</u></u>	

A/ Forfeited discounts on gross revenues = forfeited discounts/gross revenues (excluding forfeited discounts)

B/ Uncollectible expense/Gross margin on sales

C/ Statutory Rate

Docket 14-00146  
Schedule 8

Atmos Energy Corporation  
Cost of Capital  
Twelve Months Ended September 30, 2020

Line No.		Ratio	Cost	Weighted Cost	Reference
1	Short Term Debt	0.17%	17.10%	0.0%	Sch 9, Ln 2
2	Long Term Debt	39.96%	4.29%	1.7%	Sch 9, Ln 1
3	Preferred Stock				
4	Stockholder's Equity	<u>59.88%</u>	9.80%	<u>5.9%</u>	Sch 9, Ln 3
5	Total	<u><u>100.00%</u></u> A/		<u><u>7.62%</u></u>	

A/ Should be 100%

**Docket No. 21-00019**  
**Atmos Energy Corporation, Tennessee Division**  
**CPAD DR Set No. 1**  
**Question No. 1-07**  
**Page 1 of 1**

**REQUEST:**

Regarding the Cash Working Capital calculation as reflected within tab WP7-7, given the modification to regulatory lag reflected within TPUC Docket No. 18-00112 approved by the Commission<sup>1</sup>, provide the rationale for including the return on equity and depreciation expense (non-cash) within the balance of the Daily Cost of Service.

**RESPONSE:**

The inclusion of WP 7-7 has no impact on the rationale for including the cash working capital using the same methodologies as previous ARM filings. Specifically, the payment of an asset precedes the receipt of services from the asset and the recording of the depreciation expense. The lag between the payment for the asset and the recording of the depreciation expense is recognized by the including of net plant in service in rate base. However, the inclusion of an asset in rate bases does not suffice to properly account for the entire lag relating to the depreciation of the asset. The inclusion of the asset in rate bases does not include the subsequent lag from the provision of service to the receipt of cash for that service. By including depreciation in the lead-lag study with a zero expense lag, the lead-lag study properly recognizes the subsequent revenue lag on recovering cash related to investment in plant assets. Likewise with return on equity, operating income is earned at the provision of utility service. There is again a revenue lag between the provision of service and the receipt of cash for that service. By including the return on equity in the lead-lag study with a zero expense lag, the lead-lag study properly recognizes the subsequent revenue lag on recovering cash related return.

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<sup>1</sup> Order Approving Stipulation and Settlement Agreement, TPUC Docket No. 18-00112 (December 16, 2019).

**Docket No. 21-00019**  
**Atmos Energy Corporation, Tennessee Division**  
**CPAD DR Set No. 2**  
**Question No. 2-10**  
**Page 1 of 1**

**REQUEST:**

Regarding the Company's Response to Consumer Advocate DR No. 1-3 outlining the gains on the sale of utility property, does Atmos Energy believe the appropriate regulatory treatment associated with gains on the sale of utility assets is a settled ratemaking issue within its ARM mechanism? If so, provide the rationale and any available support for this conclusion.

**RESPONSE:**

Atmos Energy believes that its accounting for gains and losses on dispositions of utility property is in accordance with the Uniform System of Accounts ("USoA"), specifically Gas Plant Instruction 7. Land and land rights, sub-part E. and 10. Additions and retirements of gas plant, subpart E. Tennessee Code § 65-4-111 and Commission Rule 1220-04-01-.11 requires that utilities follow USoA.

**7. E.** Any difference between the amount received from the sale of land or land rights, less agents commissions and other costs incident to the sale, and the book cost of such land or rights shall be included in...otherwise to account 421.1 Gain on Disposition of Property or 421.2, Loss on Disposition of Property, as appropriate, unless a reserve therefor has been authorized and provided. Appropriate adjustments of the accounts shall be made with respect to any structures or improvement located on land sold.

**10. E.** The book cost of land retired shall be credited to the appropriate land account. If the land is sold, the difference between the book cost (less any accumulated provision for depreciation, depletion or amortization therefor which has been authorized and provided) and the sale price of the land (less commissions and other expenses of making the sale) shall be recorded in accounts..otherwise to accounts 421.1, Gain on Disposition of Property or 421.2 Loss on Disposition of Property, as appropriate.

Thus, the gains and losses identified in CPAD DR No. 1-03 are appropriately excluded from the ARM mechanism because the recording of the transaction is in accordance with the USoA. Moreover, the methodologies identified in Docket No. 14-00146 and excluded below-the-line USoA accounts. Subsequent modifications to methodologies made in ARM proceedings have not addressed the inclusion of below-the-line USoA accounts; however, it would be logical to exclude below-the-line accounts in determining rates for customers because this range of accounts are identified for recording costs that are not typically recovered from customers but need to be recorded on a utilities books and records.