

September 14, 2020

Kent A. Chandler Acting Executive Director Public Service Commission 211 Sower Blvd. Frankfort, KY 40601

Re: Case No. 2020-00229

Dear Mr. Chandler:

Atmos Energy Corporation submits for filing the Company's responses to Commission Staff's First Request for Information dated September 4, 2020 in the above referenced case.

Please feel free to contact me at 270.685.8024 if you have any questions and/or need any additional information.

Sincerely,

Mark A. Martin

Vice President – Rates & Regulatory Affairs

Enclosures

cc:

Randy Hutchinson

Mach A Martin a

Eric Wilen

COMMONWEALTH OF KENTUCKY BEFORE THE PUBLIC SERVICE COMMISSION

IN THE MATTER OF:
APPLICATION OF ATMOS ENERGY) CORPORATION TO ESTABLISH PRP) RIDER RATES FOR THE TWELVE MONTH) CASE NO. 2020-00229 PERIOD BEGINNING OCTOBER 1, 2020)
<u>AFFIDAVIT</u>
The Affiant, Mark A. Martin, being duly sworn, deposes and states that the
attached responses to Staff's data requests are true and correct to the best of his
knowledge and belief.
Mark A. Martin
STATE OF KENTUCKY COUNTY OF DAVIESS
SUBSCRIBED AND SWORN before me by Mark A. Martin on this $\underline{9}$ day of September, 2020.
Notary Public

Case No. 2020-00229 Atmos Energy Corporation, Kentucky Division Staff DR Set No. 1 Question No. 1-01 Page 1 of 1

REQUEST:

Refer to the application, Exhibits B and C.

- a. Explain why Atmos did not use a 13-month average of net plant during the forecasted period of October 1, 2020, through September 30, 2021, to calculate the Pipeline Replacement Rider (PRP) rate base.
- b. Confirm that calculating the PRP rate base to include all additions to and retirements from plant in service projected to occur during the forecasted period as if they had occurred on October 1, 2020, allows Atmos to earn a return on capital expenditures that, based on Atmos's own projections, will not yet have been made. If this cannot be confirmed, explain each basis for the response.

RESPONSE:

- a. Please see Attachment 1 for the Second Revised SHEET No. 38 from Atmos Energy's tariffs updated August 1, 2020, which requires a 12-month period ("fiscal year") and not a 13-month average.
- b. Confirm.

ATTACHMENT:

ATTACHMENT 1 - Staff_1-01_Att1 - Second Revised SHEET No. 38.pdf, 1 Page.

CASE NO. 2020-00229 ATTACHMENT 1 TO STAFF DR NO. 1-01

FOR ENTIRE SERVICE AREA

PSC KY. No. 2

Second Revised SHEET No. 38

Cancelling

First Revised SHEET No. 38

ATMOS ENERGY CORPORATION

(NAME OF UTILITY)

Pipeline Replacement Program Rider

PRP

1. Applicable

Applicable to all customers receiving service under the Company's Rate Schedules G-1, G-2, T-3 and T-4.

2. Calculation of Pipe Replacement Rider Revenue Requirement

The PRP Revenue Requirement includes the following:

- a) PRP-related Plant In-Service not included in base gas rates minus the associated PRP-related accumulated depreciation and accumulated deferred income taxes;
- b) Retirement and removal of plant related PRP construction;
- c) The rate of return on the net rate base is the overall rate of return on capital authorized in the Company's latest base gas rate case, grossed up for federal and state income taxes;
- d) Depreciation expense on the PRP related Plant In-Service less retirement and removals;
- e) Reduction for savings in Operating and Maintenance expenses; and,
- f) Adjustment for ad valorem taxes.

3. Pipe Replacement Program Factors

All customers receiving service under tariff Rate Schedules G-1, G-2, T-3 and T-4 shall be assessed an adjustment to their applicable rate schedule that will enable the Company to complete the pipe replacement program. The allocation to G-1 residential, G-1 non-residential, G-2, T-3 and T-4 will be in proportion to their relative base revenue share approved in the Company's most recently concluded base rate case.

The PRP Rider may be filed annually on or around August 1st of each year. The filing will reflect the anticipated impact on the Company's revenue requirements of net plant additions related to bare-steel pipe replacement as offset by operations and maintenance expense reductions during the upcoming fiscal year ending each September as well as a balancing adjustment to reconcile collections with actual investment for the preceding program year. Such adjustment to the Rider will become effective with meter readings on and after the first billing cycle of October.

DATE OF ISS	May 9, 2019	
	Month/Date/Year	
DATE EFFEC	M 9 2010	
DATE EFFEC	TVE May 8, 2019	
	Month/Date/Year	
Issued by A	thority of an Order of the Public Service Commission in	
	Case No. 2018-00281 dated May 7, 2019	
ISSUED		
BY	/s/ Mark A. Martin	
	Signature of Officer	
TITLE	Vice President – Rates and Regulatory Affairs	

Case No. 2020-00229 Atmos Energy Corporation, Kentucky Division Staff DR Set No. 1 Question No. 1-02 Page 1 of 1

REQUEST:

Refer to the application, Exhibit F.

- a. Explain why Atmos compares the Accumulated Deferred Income Taxes from a twoyear period to the revenue from a one-year period to determine that it is in a net operating loss position and calculate a net operating loss carryforward adjustment.
- b. Explain why the book and tax depreciation are constant monthly amounts for each year.

RESPONSE:

a. While responding to this request, the Company identified an error on Exhibit F of the filed model. The incremental deferred income taxes and investment tax credits amount on row numbered 27, column AG should not include beginning of year ADIT amounts. When these amounts are excluded, the deferred taxes generated for the current test year is (\$620,075), rather than (\$1,158,758) as filed. Correcting this change results in an equal change to the forecasted change in NOLC on row numbered 29, column AG from \$147,428 as filed to (\$391,255) as corrected. Since the total required change in accumulated deferred income tax is equal to tax expense for the filing, and equal and offsetting corrections to the calculations of the deferred tax and NOLC components would be made, there is no overall change to the total ADIT amount included in Exhibit B in the calculation of the rate adjustment.

Please see Attachment 1 to the Company's response to Staff DR No. 1-04 for a revised PRP Model including the correction of this error.

b. Consistent with prior year filings, total book and tax depreciation are calculated using fiscal year totals. Book and tax depreciation are then applied evenly over their respective twelve-month periods. For example, total book depreciation is the sum of full years depreciation on prior year additions and half-year depreciation on current year additions. This equation relies on the calculation of total annual depreciation expenses for prior and current fiscal years to calculate respective depreciation conventions.

Case No. 2020-00229 Atmos Energy Corporation, Kentucky Division Staff DR Set No. 1 Question No. 1-03 Page 1 of 1

REQUEST:

Refer to the application, Exhibit I. Confirm that the rates presented as those ordered in Case No. 2018-00281² are incorrect. If this cannot be confirmed, explain.

RESPONSE:

Confirm.

 $^{^2}$ Refer to the application, Exhibit I. Confirm that the rates presented as those ordered in Case No. 2018-002812 are incorrect. If this cannot be confirmed, explain.

Case No. 2020-00229 Atmos Energy Corporation, Kentucky Division Staff DR Set No. 1 Question No. 1-04 Page 1 of 1

REQUEST:

Provide a revised PRP rate calculation that uses a 13-month average of net plant during the forecasted period to calculate the PRP rate base, the correct rates from Case No. 2018-00281, and any other revisions Atmos believes are appropriate. Provide this in Excel spreadsheet format, with formulas intact and unprotected and all rows and columns accessible, including the calculation of the 13-month average of net plant. If Atmos makes any other revisions it believes are appropriate when providing a revised rate calculation using a 13-month average of net plant during the forecasted period to calculate the PRP rate base and the correct rates from Case No. 2018-00281, describe each such revision and explain the basis for each such revision.

RESPONSE:

Please see Attachment 1 for a revised PRP Model including the correct rates from Case No. 2018-00281 and revisions to Exhibit F (please see the Company's response to Staff DR No. 1-02). Monthly net plant budget data necessary to reformulate the PRP model is not readily available at the time of this request; therefore, the revised PRP Model cannot include data to support the calculation of the 13-month average of net plant.

The revised PRP Model is consistent with all prior Company PRP Model filings since their inception in Case 2009-00354 and the Company's Tariff. Respectfully, the Company therefore requests that any formula or presentation changes to the PRP Model be addressed in a future rate case and reflected in the Company's Tariff prior to the PRP filing for which they are to take effect.

ATTACHMENT:

ATTACHMENT 1 - Staff_1-04_Att1 - 2021 KY PRP Model (Staff DR 1-04).pdf, 16 Pages.

ATMOS ENERGY CORPORATION KENTUCKY PIPE REPLACEMENT PROGRAM SURCHARGE CALCULATION OF FORECASTED ACTIVITY AS OF OCTOBER 2020 THROUGH SEPTEMBER 2021 SURCHARGE SUMMARY

Line Number	Tariff Schedule			istomer harge	Volumetric Charge
	RESIDENTIAL (Rate G-1)		<u> </u>	1.84	
1	` '		Ф	1.84	0.0000
2	NON-RESIDENTIAL (Rate G-1)		\$	6.00	0.0000
3	INTERRUPTIBLE (Rate G-2)		\$	27.39	
4		Sales: 1-15,000			0.0319
5		Sales: Over 15,000			0.0244
6	TRANSPORTATION (T-3)		\$	30.61	
7		Interrupt Transport: 1-15,000			0.0576
8		Interrupt Transport: Over 15,000			0.0442
9	TRANSPORTATION (T-4)		\$	30.90	
10		Firm Transport: 1-300			0.0870
11		Firm Transport: 301-15,000			0.0602
12		Firm Transport: Over 15,000			0.0481

ATMOS ENERGY CORPORATION KENTUCKY PIPE REPLACEMENT PROGRAM SURCHARGE CALCULATION OF FORECASTED ACTIVITY AS OF OCTOBER 2020 THROUGH SEPTEMBER 2021 DEFICIENCY

Line			
Number	Description		Total
		_	
1	Project Additions	\$	53,341,765
2	Project Retirements		(12,442,869)
3	Net Change to Gross Plant	\$	40,898,895
4		_	
5	Cost of Removal to Accumulated Depr.	\$	2,677,567
6	Retirements from Accumulated Depr.		12,442,869
7	Depreciation Accrual to Accumulated Depr.		(711,874)
8	Net Change to Accumulated Depreciation		14,408,562
9			
10	Net Change to Net Plant	\$	55,307,457
11			
12	Accumulated Deferred Income Taxes		(1,011,330)
13	Net Change to Rate Base	\$	54,296,127
14			
15	Rate of Return		7.49%
16	Required Operating Income	\$	4,066,573
17			
18	Depreciation & Amortization Expense		533,873
19	O&M Savings		(18,695)
20	Ad Valorem Tax Increase		326,198
21	Income Taxes on Cost of Service Items		(209,923)
22	Income Taxes on Adjusted Interest Expense		(255,606)
23	Operating Income at Present Rates	\$	375,846
24			
25	Deficiency	\$	4,442,419
26	Tax Factor		74.52%
27	Total Rate Adjustment	\$	5,961,006
28			
29	Project Cost True-up	\$	-
30	Revenue Recovery True-up	\$	
31	Total True-up	\$	-
32			
33	Total Rate Adjustment	\$	5,961,006

ATMOS ENERGY CORPORATION KENTUCKY PIPE REPLACEMENT PROGRAM SURCHARGE CALCULATION OF FORECASTED ACTIVITY AS OF OCTOBER 2020 THROUGH SEPTEMBER 2021 ADDITIONS

Line <u>Number</u>	<u>Description</u>	<u>Mains</u>	Services	<u>Meters</u>	<u>T</u>	otal
1 2	Prior Year: 2020	17,785,635	8,506,495	358,168	26	6,650,299
3	Current Year: 2021	16,583,188	9,684,233	424,045	26	6,691,466
5	Total Additions	\$ 34,368,823	\$ 18,190,729	\$ 782,213 \$	53	3,341,765

ATMOS ENERGY CORPORATION KENTUCKY PIPE REPLACEMENT PROGRAM SURCHARGE CALCULATION OF FORECASTED ACTIVITY AS OF OCTOBER 2020 THROUGH SEPTEMBER 2021 RETIREMENTS

Line <u>Number</u>	<u>Description</u>	<u>Mains</u>	Services	<u>Meters</u>	<u>Total</u>
1 2	Prior Year: 2020	\$3,487,667	2,198,833	146,324	5,832,823
3	Current Year: 2021	\$4,105,719	\$2,352,236	\$152,091	6,610,046
5	Total Retirements	\$ 7,593,386	\$ 4,551,069	\$ 298,415	\$ 12,442,869

ATMOS ENERGY CORPORATION KENTUCKY PIPE REPLACEMENT PROGRAM SURCHARGE CALCULATION OF FORECASTED ACTIVITY AS OF OCTOBER 2020 THROUGH SEPTEMBER 2021 DEPRECIATION EXPENSE

Line							
Number	Description		Mains		Services	Meters	Total
1	Net Change to Gross Plant	\$	26,775,437	\$	13,639,660	\$ 483,798	
2	Depreciation Rates		1.43%		2.25%	4.54%	
3	Proforma Annual Depreciation Expense	\$	382,889	\$	306,892	\$ 21,964	\$ 711,746
4							
5	Current Year Change to Net Plant	\$	12,477,469	\$	7,331,998	\$ 271,954	
6	Depreciation Rates		1.43%		2.25%	4.54%	
7	Proforma Annual Depreciation Expense	\$	178,428	\$	164,970	\$ 12,347	\$ 355,744
8							
9	Depreciation Accrual to Accumulated Deprec	iatio	on from Prior	App	roved Filing		\$ 178,001
10	Accumulated Depreciation on Prior Additions	(fu	ll years depre	ciati	ion)		356,001
11	Accumulated Depreciation on Current Addition	ons	(half-year cor	iven	ition)		177,872
12	·				•	•	
13	Depreciation Accrual to Accumulated Deprec	iatio	on				\$ 711,874
						1	

Exhibit F Kentucky PRP ADIT Calculation FY2021

		Oct-19	Nov-19 Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Total	365	Oct-20 Nov-20	Dec-20	Jan-21	Feb-21	Mar-21 A	Apr-21 M	fay-21 Ju	m-21 Jul	21 Aug-21	Sep-21	Total
Book Cost Tax Cost FXA01		1,734,790 1,391,291 \$ (343,498) \$ 334	1,734,790 1,734,790 1,391,291 1,391,291 (343,498) \$ (343,498) 304 273	1,391,291	1,734,790 1,391,291 (343,498) \$ 214	1,734,790 1,391,291 (343,498) \$ 183	1,734,790 1,391,291 (343,498) \$ 153	1,734,790 1,391,291 (343,498) \$ 122	1,734,790 1,391,291 (343,498) S	1,734,790 1,391,291 (343,498) S 61	1,734,790 1,391,291 (343,498) \$	1,391,291	20,817,475 16,695,495 (4,121,980)		1,673,452 1,673,452 1,401,283 1,401,283 8 (272,168) 8 (272,168 350 320	1,401,283 S (272,168)	1,401,283	1,401,283	1,401,283 1,	401,283 1,	401,283 1,4	01,283 1,40	1,283 1,401,28	3 1,401,283 8) \$ (272,168)	3 16,815,3
FXA01 Prorated Deferred Rate FXA01 Tax Effected		(314,325) 24,95% S (78,424) S	(286,092) (256,918) 24,955 24,955 (71,380) \$ (64,101)	24,95%	(201,394) 24,95% (58,248) S	(172,220) 24,95% (42,969) S	(143,987) 24,95% (38,925) S	(114,813) 24,95% (28,646) S	(86,580) 24,95% (21,682) \$	(57,407) 24,95% (14,323) S	(28,233) 24,95% (7,944) \$	24.95%	(1,889,712) (471,483)	FY20 BOY FY21 activity (prorated) Cumulative	(1,889,712) (1,889,712 (260,983) (238,613 (2,150,695) (2,128,325 (3,150,695) (2,128,325 (3,16,598) \$ (531,617	(215,498) (2,105,209) 24,95%	(192,382) (2,082,094) (24,95%	(171,503) 2,061,215) (2 24,95%	(148,388) (2,038,099) (2, 24,95%	(126,018) ((015,729) (1) (24,95%	(102,902) (992,614) (1,1 (24,95%)	(80,532) (5 (70,244) (1,94 (24,95%	(34,30 (1,924,0 (4,95% 24,9	1) (11,931) 2) (1,901,642) % 24,95%	1) (1,640,4 2) (3,530,1 % 24.5
Book Depreciation Tax Depreciation FXA02		14,833 63,792 \$ 48,989 \$	14,833 14,833 63,792 63,792 48,999 \$ 48,999 304 273	14,833 63,792 S 48,959 1 242	14,833 63,792 48,959 S 214	14,833 63,792 48,959 \$	14,833 63,792 48,999 \$ 153	14,833 63,792 48,999 \$	14,833 63,792 48,959 \$	14,833 63,792 48,959 \$	14,833 63,792 48,959 \$	14,833 63,792 48,959 \$	178,001 765,504 587,564		44,489 44,489 184,650 184,650 S (140,160) S (140,160 350 320	184,650 \$ (140,160)	184,650	184,650	184,650	184,650	184,650	84,650 18	1,489 44,48 1,650 184,61 0,169) \$ (140,1	0 184,650	0 2,215,7
PXA02 Promited Deferred Rate VA02 Tax Effected		(44,801) 24,95% S (11,178) S	(40,777) (36,618) 24,95% 24,95% (10,174) \$ (9,136)	24,95%	(28,705) 24,95% (7,162) S	(24,546) 24,95% (6,124) S	(20,522) 24,95% (5,120) S	(16,364) 24,95% (4,083) S	(12,340) 24,95% (3,879) S	(8,182) 24,95% (2,941) S	(4,024) 24,95% (1,004) S	24.95% - \$		FY 20 EOY FY21 activity (prorated) Cumulative	(269,340) (269,340) (134,400) (122,880) (403,740) (392,220) 24,95% 24,95% \$ (100,733) \$ (97,859)	(110,976) (380,316) 24,95%	(99,072) (368,412) 24,95%	(88,320) (357,660) 24,95%	(76,416) (345,756) (24,95%	(64,896) (334,236) (24,95%	(52,992) (322,332) (3 24,95%	(41,472) (2 (10,812) (29 (24,95%)	1,568) (17,66 3,908) (287,01 4,95% 24,9	4) (8,144) 4) (275,484) % 24,95%	4) (844,8 4) (1,114,1 % 24.1
Incremental Deferred Inc. Taxes and Investment Tax. Credits (excluding forecasted change in NOLC) Forecasted Change in NOLC																									\$ (620,0 \$ (391,2
Forecasted ADIT in Rate Base																									\$ (1,011,2
Calculation of Change in NOLC																									
Forecasted Test Period		Schedule Reference																							
Net Change to Rate Base		Exhibit B	54,296,127																						
Required Operating Income		Exhibit B	4,066,573																						
nterest Deduction	24.95%	Exhibit B	1,024,475																						
teturn on Equity Portion of Rate Base		line 36 - line 38	3,042,098																						
beturn, grossed up for Income Tax	24.95%	Line 40 / (1-tax rate)	4,053,428																						
ax Expense on Return	24.95%	Line 42 x tax rate	1,011,330																						
hange in ADIT, excluding forecasted change in NOLC sequired Change in NOLC		Line 22	(620,075) (391,255)																						
otal Required Change in Accumulated Deferred Income Taxes		Exhibit B	(1,011,330)																						
DIT Reconciliation																									
Change In ADIT, excluding forecasted change in NOLC Change in NOLC forecasted ADIT in Rate Base		Line 22 Line 47	(620,075) (391,255) (1,011,330)	Ī																					
Total Required Change in Accumulated Deferred Income Taxes		Line 57 - Line 53	(1,011,330)																						

ATMOS ENERGY CORPORATION KENTUCKY PIPE REPLACEMENT PROGRAM SURCHARGE CALCULATION OF FORECASTED ACTIVITY AS OF OCTOBER 2020 THROUGH SEPTEMBER 2021 DEFERRED INCOME TAXES

Line lumber	Description		Mains	Services	Meters		Total
umber	Description		Iviairis	<u>Jeivices</u>	Weters		Total
1	Net Change to Gross Plant - Book 2020	\$	14,297,969	\$ 6,307,663 \$	211,844	\$	20,817,475
2	Repairs Percentage		21.99%	15.50%	0.08%	·	-,- ,
3	Less: Repairs	\$	(3,144,123)	\$ (977,688) \$	(169)	\$	(4,121,980
4	Tax Basis Before Bonus	\$		\$ 5,329,975 \$	211,675	\$	16,695,495
5	Bonus Depreciation %		0.00%	0.00%	0.00%		
6	Bonus Depreciation	\$	-	\$ - \$	-	\$	-
7	Tax Basis	\$	11,153,845	\$ 5,329,975 \$	211,675	\$	16,695,495
8 9							
10	Net Change to Gross Plant - Book 2021	\$	12,477,469	\$ 7,331,998 \$	271,954	\$	20,081,420
11	Repairs Percentage		19.50%	11.36%	0.00%		.,,
12	Less: Repairs	\$	(2,433,106)	\$ (832,915) \$	-	\$	(3,266,021
13	Tax Basis Before Bonus	\$	10,044,362	\$ 6,499,083 \$	271,954	\$	16,815,399
14	Bonus Depreciation %		0.00%	0.00%	0.00%		
15	Bonus Depreciation	\$	-	\$ - \$	-	\$	-
16	Tax Basis	\$	10,044,362	\$ 6,499,083 \$	271,954	\$	16,815,399
17							
18	FXA01 - Gross	\$	(5,577,230)	\$ (1,810,603) \$	(169)	\$	(7,388,002
19	Deferred Rate		24.95%	24.95%	24.95%		
20	FXA01 - Tax Effected	\$	(1,391,519)	\$ (451,745) \$	(42)	\$	(1,843,306
21	FXA01 - Tax Effected Prorated				;	\$	(880,780
22							
23 24	Book Depreciation	\$	395,905	\$ 295,369 \$	20,600	\$	711,874
25	Tax Depreciation	\$, in the second	\$ 828,361 \$	33,417	\$	2,981,303
26	•						
27	FXA02 - Gross	\$	1,723,620	\$ 532,992 \$	12,817	\$	2,269,429
28	Deferred Rate		24.95%	24.95%	24.95%		
29	FXA02 - Tax Effected	\$	430,043	\$ 132,981 \$	3,198	\$	566,223
30	FXA02 - Tax Effected Prorated					\$	(277,979
31					•		
32	Calculation of Tax Depreciation						
33	Tax Basis - 2020	\$	11,153,845	\$ 5,329,975 \$	211,675	\$	16,695,495
34	Tax Depreciation Rates - Year 1		5.00%	3.75%	3.75%		
35	Tax Depreciation Rates - Year 2		9.50%	7.22%	7.22%		
36	Tax Depreciation 2020	\$	1,617,308	\$ 584,645 \$	23,219	\$	2,225,171
37		-					
38	Tax Basis - 2021	\$	10,044,362	\$ 6,499,083 \$	271,954	\$	16,815,399
39	Tax Depreciation Rates - Year 1		5.00%	3.75%	3.75%		
40	Tax Depreciation 2021	\$	502,218	\$ 243,716 \$	10,198	\$	756,132
41							
42							
43							
44							
45	Tax Rates						
46	Ad Valorem Tax Rate		0.798%				
47	Income Tax Rate		24.950%				

5.00% 21.00% 0.50% 0.2000%

1.3418

48

49 50

51

State Tax Rate

Federal Tax Rate

PSC Assessment Gross Up Factor

Uncollectible accounts expense

ATMOS ENERGY CORPORATION KENTUCKY PIPE REPLACEMENT PROGRAM SURCHARGE CALCULATION OF FORECASTED ACTIVITY AS OF OCTOBER 2020 THROUGH SEPTEMBER 2021 RATE OF RETURN

Line				Weighted
Number	Description	Percent	Cost	Cost
1	ST Debt	2.21%	3.40%	0.08%
2	LT Debt	39.73%	4.56%	1.81%
3	Equity	58.06%	9.65%	5.60%
4		100.0%		7.49%

ATMOS ENERGY CORPORATION KENTUCKY PIPE REPLACEMENT PROGRAM SURCHARGE CALCULATION OF FORECASTED ACTIVITY AS OF OCTOBER 2020 THROUGH SEPTEMBER 2021 O&M SAVINGS

Line <u>Number</u>	<u>Description</u>	Annual <u>Savings</u>	Cumulative <u>Savings</u>
1	First year 2020 savings	\$ 6,544	\$ 6,544
2	Second year 2021 savings	\$ 12,152	\$ 18,695

Exhibit I

ATMOS ENERGY CORPORATION KENTUCKY PIPE REPLACEMENT PROGRAM SURCHARGE CALCULATION OF FORECASTED ACTIVITY AS OF OCTOBER 2020 THROUGH SEPTEMBER 2021 RATE DESIGN

	Cas	se 2018-0	0281									
Line Number	Class of Customers	Rate	Total	Total Dollars	Ratio	Customer / Volumetric Charge Ratio		venue increase by Class	Budgeted Volumes	Budgeted Customer Counts	Customer Charge	Volumetric Charge
	RESIDENTIAL (Rate G-1)	Kate	Total	1 otal Dollars	58.74%	Katio	\$	3,501,247	voiumes	1,906,960	Charge	Charge
	FIRM BILLS	\$19.30	1,892,554	\$36,526,292	30.7470	72.33%	Ψ	3,301,247		1,700,700	\$ 1.84	
	Sales: 1-300	1.3855	10,083,093	\$13,970,126		27.67%					Ψ 1.01	
	Sales: 301-15000	0.9578	0	\$0		0.00%						
	Sales: Over 15000	0.7651	0	\$0		0.00%						
6	CLASS TOTAL (Mcf/month)		10,083,093	50,496,418								
7	, , ,											
8	NON-RESIDENTIAL (Rate G-1)				24.23%		\$	1,444,528		240,783		
9	FIRM BILLS	51.75	230,232	\$11,914,506		57.19%					\$ 6.00	
10	Sales: 1-300	1.3855	5,551,231	\$7,691,230		36.92%						
11	Sales: 301-15000	0.9578	1,281,930	\$1,227,833		5.89%						
	Sales: Over 15000	0.7651	0	\$0		0.00%						
13	CLASS TOTAL (Mcf/month)		6,833,161	20,833,569								
14												
	INTERRUPTIBLE (G-2)				0.35%		\$	21,062		129		
	INT BILLS	435.00	117	\$50,895		16.75%					\$ 27.39	
	Sales: 1-15000	0.8327	192,004	\$159,881		52.63%			347,965			0.0319
	Sales: Over 15000	0.6387	145,583	\$92,984		30.61%		_	263,838			0.0244
19	CLASS TOTAL (Mcf/month)		337,587	303,760				_	611,803			
20												
21	TRANSPORTATION (T-3)				7.92%			471,917		816		
22	TRANSPORTATION BILLS	435.00	828	\$360,190		5.29%					\$ 30.61	
	Interrupt Transport: 1-15000	0.8327	5,286,320	\$4,401,919		64.68%			5,295,418			0.0576
	Interrupt Transport: Over 15000	0.6387	3,200,358	\$2,044,068		30.03%		_	3,205,866			0.0442
	CLASS TOTAL (Mcf/month)		8,486,677	6,806,177				_	8,501,284			
26												
27	TRANSPORTATION (T-4)	40.00		0.00.0.40.4	8.76%	0.44007		522,253		1,428		
-	TRANSPORTATION BILLS	435.00	1,463	\$636,424		8.449%					\$ 30.90	
	Firm Transport: 1-300	1.3855	427,240	\$591,941		7.859%			471,677			0.0870
	Firm Transport: 301-15000	0.9578	5,580,036	\$5,344,558		70.957%			6,160,407			0.0602
	Firm Transport: Over 15000	0.7651	1,253,720	\$959,221		12.735%		_	1,384,117			0.0481
32	CLASS TOTAL (Mcf/month)		7,260,996	7,532,144				_	8,016,201			
33	Total Davianus			95 072 070	100.00%		e	5 061 006		2 150 115		
34	Total Revenue			85,972,069	100.00%		\$	5,961,006		2,150,115		

35 36 37

KY Revenue Requirement \$ 5,961,006

ATMOS ENERGY CORPORATION KENTUCKY PIPE REPLACEMENT PROGRAM SURCHARGE CALCULATION OF FORECASTED ACTIVITY AS OF OCTOBER 2020 THROUGH SEPTEMBER 2021 CUSTOMERS & VOLUMES

I ina		

Line																
Number	Tariff	Description		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
			Customers													
1	G-1	Residential	Fiscal 2021 Bud	156,207	157,070	159,792	161,288	160,334	161,431	160,715	161,527	158,859	158,027	156,567	155,143	1,906,960
2	G-1	Commercial Firm	Fiscal 2021 Bud	17,768	17,972	18,444	18,773	18,523	18,691	18,741	18,563	17,980	17,808	17,989	18,186	219,440
3	G-1	Public Authority	Fiscal 2021 Bud	1,544	1,530	1,542	1,556	1,545	1,544	1,541	1,557	1,533	1,555	1,520	1,532	18,499
4	G-1	Industrial Firm	Fiscal 2021 Bud	237	237	237	237	237	237	237	237	237	237	237	237	2,844
5																
6	G-2	Commercial Interruptible	Fiscal 2021 Bud	5	4	4	4	4	4	4	6	3	3	3	3	45
7	G-2	Industrial Interruptible	Fiscal 2021 Bud	7	7	7	7	7	7	7	7	7	7	7	7	84
8	G-2	Public Authority Interruptible	Fiscal 2021 Bud	-	-	-	-	-	-	-	-	-	-	-	-	-
9																
10	T-3	Transportation Interruptible	Fiscal 2021 Bud	68	68	68	68	68	68	68	68	68	68	68	68	816
11	T-4	Transportation Firm	Fiscal 2021 Bud	119	119	119	119	119	119	119	119	119	119	119	119	1,428
12				175,955	177,007	180,213	182,052	180,836	182,102	181,432	182,083	178,806	177,824	176,510	175,295	2,150,115
13																
14			Volumes													
15																
16	G-2	Commercial Interruptible	Fiscal 2021 Bud	191	1,113	2,235	2,504	2,865	2,308	2,423	1,245	56	38	38	94	15,110
17	G-2	Industrial Interruptible	Fiscal 2021 Bud	48,230	46,858	46,643	37,522	60,593	57,612	79,767	82,312	45,811	12,972	41,150	37,222	596,692
18	G-2	Public Authority Interruptible	Fiscal 2021 Bud	-	-	-	-	-	-	-	-	-	-	-	-	-
19																
20	T-3	Transportation Interruptible	Fiscal 2021 Bud	637,628	731,813	803,862	754,258	808,228	723,926	787,742	700,053	692,095	605,183	626,612	629,885	8,501,284
21	T-4	Transportation Firm	Fiscal 2021 Bud	532,763	646,811	794,628	762,084	910,791	766,341	800,085	619,947	588,651	532,269	505,222	556,609	8,016,201
22				1,218,811	1,426,596	1,647,368	1,556,368	1,782,477	1,550,187	1,670,018	1,403,557	1,326,613	1,150,462	1,173,021	1,223,810	17,129,288

ATMOS ENERGY CORPORATION KENTUCKY PIPE REPLACEMENT PROGRAM SURCHARGE CALCULATION OF FORCASTED ACTIVITY

2020 PROJECT DETAILS

		No. of		Installation	ı	Co	st of Removal	l		Retirements	
Projects	Project Description	services	Main	Services	Meters	Main	Services	Meters	Main	Services	Meters
PRP.2636.Allen St.FY20	Replace 148 ft of 1.25" Epoxy, 690 ft of 2" Hot Tar, 106 ft of 2" Epoxy, 117 ft of 3" Epoxy, 305 ft of 3" Hot Tar, 1,365 ft of 4" Epoxy, 3,275 ft of 4" Bare Steel., 319 ft of 4" LP PE with 3,550 ft of 2" PE., and 4,225 ft of 4" IP PE. Retire 1 LP Station. 148 Services Contractor	148	811,879	358,530		\$42,730	18,870				
	Material			28,120	16,280						
PRP.2636.Bluff Ave.FY20	Overhead Replace 133 ft of 1.25" PE, 2,935 ft of 4" Hot Tar, 1,187 ft of 2" Hot Tar, 1,474 ft of 2" Epoxy IP, with 2,467 ft of 2" HDPE and 3,357 ft of 4" IP HDPE. 142 Services Contractor Material Overhead	142	514,367	109,383 343,995 26,980 104,949	15,620 4,419	\$27,072	5,338 18,105 5,122				
PRP.2636.Crabtree Ave.FY20	Replace 637 ft of 2" Mill Wrap Bare Joint, 1,781 ft of 2" Epoxy, 749 ft of 4" Mill Wrap Bare Joint, 6ft of 6" Epoxy, 2,430 ft of 8" Mill Wrap Bare Joint, 336 ft of 2" Hot Tar, 1,465 ft of 3" Hot Tar with 3,541 ft of 2" PE and 3,185 ft of 6" IP PE. 99 Services Contractor Material Overhead	99	713,950	239,828 18,810 73,169	10,890 3,081	\$37,576	12,623 3,571				
	Replace 2,372 ft of 4" Hot Tar and 945 ft of 2" Hot										
PRP.2636.Oak Ave.FY20	Tar IP with 2,879 ft of 2" HDPE. 87 Services Contractor Material Overhead	87	260,721	210,758 16,530 64,300	9,570 2,707	\$13,722	11,093 3,138				
PRP.2636.Poplar St Alley.FY20	Replace 439 ft of 1.25" Epoxy, 2,056 ft of 8" Hot Tar, 506 ft of 2" Hot Tar, 1,464 ft of 4" Hot Tar, 149 ft of 8" Epoxy, 407 ft of 4" Mill Wrap, 424 ft of 4" Epoxy with 2,567 ft of 2" PE and 3,169 ft of 8" IP PE. 53 Services Contractor Material Overhead	53	626,862	128,393 10,070 39,171	5,830 1,649	\$32,993	6,758 1,912				
PRP.2637.Ohio St.FY20	Replace 468 ft of 2" Epoxy, 258 ft of 2" PE, 2,726 ft of 2" Bare Stl, 1,819 ft of 4" Bare Stl. IP with 3,553 ft of 2" PE and 1,702 ft of 4" PE IP. 50 Services Contractor Material Overhead	50	510,163	121,125 9,500 36,954	5,500 1,556	\$26,851	6,375 1,803				
PRP.2637.Old Mayfield Rd.FY20	Replace 207 ft of 2" Epoxy, 8,641 ft of 2" Bare Stl, 220 ft of 4" Bare Stl, 1,157 ft of 2" Epoxy, 615 ft of 2" PE, 3,797 ft of 6" Bare Stl, IP with 13,665 ft of 2" PE and 1,405 ft of 4" PE. IP. 262 Services Contractor Material Overhead	262	1,290,644	634,695 49,780 193,638	28,820 8,153	\$67,929	33,405 9,450				
PRP.2637.S 28th St.FY20	Replace 9,503 ft of 2" Bare Stl, 398 ft of 2" PE, 2,187 ft of 4" Bare Stl, 535 ft of 1.25" Epoxy, 881 ft of 2" Epoxy, 1,084 ft of 6" Bare Stl, IP with 11,760 ft of 2" PE and 3,103 ft of 2" PE. IP 187 Services Contractor Material Overhead	187	1,298,526	453,008 35,530 138,207	20,570 5,819	\$68,343	23,843 6,745				
PRP.2734.E 9th Russville.FY20	Replace 250 ft of 4" Mill Wrap Bare Joint, 5 ft of HDPE, 608 ft of 4" Bare Steel, 192 ft of 1.25" PE, 6180 ft of 2" Bare Steel, 453 ft of 4" Mill Wrap, 1,106 ft of 2" PE, 570 ft of 3" Bare Steel, 1,963 ft of 2" Epoxy, 378 ft of 1" Bare Steel, 394 ft of 4" Epoxy, 325 ft of 4" PE, with 800 ft of 4" and 11,625 ft of 2" HDPE. 130 Services Contractor Material Overhead	130	1,040,317	314,925 24,700 96,080	14,300 4,045	\$54,754	16,575 4,689				
PRP. 2734.E Cedar St Fra. FY20	Replace 419 ft of 2" PE, 2,923 ft of 2" Bare Steel, 191 ft of 4" Epoxy, 52 ft of 3" Epoxy, 78 ft of 4" PE, 3,021 ft of 4" Bare Steel, 105 ft of 2" Epoxy LP, with 6,338 ft of 2" IP PE. 109 Services Contractor Material Overhead	109	502,238	264,053 20,710 80,559	11,990 3,392	\$26,434	13,898 3,932				
PRP.2734.High St Alley.FY20	Replace 2,516 ft of 6" Bare Stl, 328 ft of 6" Epoxy and 17 ft of 4" Epoxy IP with 3,031 ft of 6" HDPE. 3 Services Contractor	3	548,844	7,268		\$28,887	383				

March Control Contro		Material			570	330			
77.17 of 15 years 2005 of 15 withough because of 15 years 2005 of 15 withough because of 15 years 2005 of 15 withough 15 witho		Overhead						108	
March Marc									
## 12724 April 2019 of 27 and 4.000 Inf of Prints 2 of 1 185,000									
Mary									
Common Minors M	RP 2734 Jackson Pearl FY20		62	1 185 839			\$62.413		
Page	111 1275 13del30111 editii 120		02	1,100,000	150,195		502,115	7,905	
### P774 ACT 101 Free Note 10 ACT 10									
## 2774 November 1 14 - 25 Services 19					45,823	1,929		2,236	
Manual	RP.2734.KY 383 Franklin.FY20		29	280,785			\$14,778		
March Marc								3,698	
## 2773 Lestington Ave 2700 ##								1.046	
## 2773. Leongran Rue PRE 1981 and of the action State 194 124 1					21,433	902		1,040	
100 2735 Leadington Aue Prof. 100 115 275 Leadington Aue Prof. 100 115 115 115 115 115 115 115 115 115	1,552 ft of # Ser Steel 2,500 ft of 6" PHOPE, 62 1185,359 502,413								
18-2735. Leavington Ame Prior Control Orthodo Orthodo Orthodo Replica 230 for 10 27 Years (2 February 18 for 1 2 February		Produce 10 10 15 10 10 10 10 10							
Command	RP.2735.Lexington Ave.FY20		134	1,314,143			\$69,165		
Page								17,085	
Replace 250 ft of 2" (psey, 288 ft of 1.25" (4 922	
28 R of 1.25" to 1.7 pt 1.0		Overhead			99,030	4,170		4,033	
10-2735 Woodsamile P20 2 February 1, 200 feb 1, 57 learn Seek (1, 25 feb 1) 1, 17 learn 1,									
### 15** Flower, 17% of 17 in the Tax. Instal 1,504 for of 10 in the Tax. Instal 1,504	RP.2735.Lexington Ave.FY20 RP.2735.Woodsonville.FY20 RP.2737.Hwy150 RP.2737.KY 52-Danville St.FY20 RP.2738.McCord St.FY20								
## 2773 Woodponville Prof. 2 2 44 pole for of a "P PROPE, 8 Services. **Communication** **Communication** **Communication** **P 2773 Hwy/310 **Register 4,750 ft ** Days SUP with 6" PE IR 8,1255 ft ** Tables SUP wi									
Makerial	RP.2735.Woodsonville.FY20	2" and 944 ft of 4" IP HDPE. 8 Services.	8	277,230			\$14,591		
Page 1273 Alwy150 Replace 4/500 of "Bare SELP" with 6" Pi D' & 1,275 Secretary 100 2773 Alwy150 Replace 4/500 of "Bare SELP" with 2" Pi D' & 4,525 Secretary 100 2773 Alwy150 Replace 3/230 of "Bare SELP" with 2" Pi D' & 4,525 Secretary 100 277,500 S.5,100 S.5						000		1,020	
Replace 4,750 ft of Bare Still Print of PE in & 1,525								289	
RP 2737 MWy150 RP 2797 MW 15 PM 1					-,,,,,	2.7		207	
Comment									
Miscrial Overhead 17,000 4,00 1,000	'KP.2/37.Hwy150		40	703,707	96 900		\$37,037	5 100	
RP.2737.NY 52-Danville 5LF120						4,400		5,100	
### Of #* MIN Ways Dear Joint, with 2.32 if of 2" MOIL Ways - Stare Joint, with 2.32 if of 2" and 2.796 for of 12" MOIL Ways - Stare Joint, with 2.32 if of 2" and 2.796 for of 10.05 for					29,563	1,245		1,443	
Warp - Star John With 2,23 if not 2" and 2,796 ft of 100 115,600 1									
PRP 273 R.W PS-Damville SEP 20 CP PMPE, 56 Services 56 978,263 S1,488 Contract Cont									
Makerial 10,640 1,138 1,243 2,029	RP.2737.KY 52-Danville St.FY20		56	978,263			\$51,488		
Replace 5 ft of 3** Painted Steel, 1,325 ft of 4** Bare Steel, 3.90 ft of 1.25* Steel wilsown coating, 372 ft of 5** Painted, 2,26 ft of 4** Host Tas, 3,901 ft of 6** Painted, 1,26 ft of 4** Host Tas, 3,901 ft of 4** Painted, 1,26 ft of 4** Painted, 1,26 ft of 4** Host Tas, 3,901 ft of 4** Painted, 1,26 ft of 2** Painted 1,26 ft of 4** Host Tas, 3,901 ft of 4** Painted, 1,26 ft of 2** Painted 1,26 ft of 4** Host Tas, 3,901 ft of 4** Painted, 1,26 ft of 2** Painted 1,26 ft of 4** Host Tas, 3,901 ft of 4** Ho						6.160		7,140	
Replace 39 ft of 1.25" Steel unknown coating, 372 ft of 2" level train, 1,537 ft of 2" lepoxy, 279 ft of 6" painted, 226 ft of 4" host 1,309 ft of 4" painted, 300 ft of 12" painted, 315 ft of 6" Epoxy, 301 ft of 1.25" lepox, 306 ft of 1.25" painted, 315 ft of 6" Epoxy, 301 ft of 1.25" lepox, 306 ft of 1.25" painted 500 ft of 1.25" lepox, 306								2.020	
Replace 56 ft of 3" Painted Steel, 1,325 ft of 4" Bare Steel, 10 ft of 4" Mill Wrap, 3,685 ft of 2" Epoxy, 1,022 ft of 2" Bare Steel, 68 ft of 2" Floory, 2,829 ft of 4" Painted Steel, 61 ft of 2" HoPE, 1,179 ft of 2" Mill Wrap, 3 ft of 4" Power, 1,179 ft of 2" Mill Wrap, 37 ft of 4" Spanted Steel, 61 ft of 2" HoPE, 1,179 ft of 2" Mill Wrap, 47 ft of 4" Spox, 91 ft of 1" Spanted Steel P, with 10,285 ft of 2" and 4,381 ft of 4" PRP. 2738.W High St Lebanon.FV20 HOPE, 235 Services	PRP.2738.McCord St.FY20	Painted, 226 ft of 4" Hot Tar, 3,901 ft of 4" Painted, 15 ft of 6" Epoxy, 30 ft of 1.25" Epoxy, 360 ft of 2" Mill Wrap, 973 ft of 4" Epoxy, 103 ft of 2" PE, 63 ft of 1.25" Hot Tar, 97 ft of .75" Hot Tar, 4,128 ft of 2" Painted IP, with 6,042 ft of 2", 2,612 ft of 4" and 1,401 ft of 6" HDPE. 180 Services Contractor Material	180	1,479,597		19,800	\$77,874	22,950	
Steel, 10 ft of 4" Mill Wrap, 3,868 ft of 2" Epoxy, 1,022 ft of 1" aper Steel, 638 ft of 2" Host 72, 105 ft of 1.25" Painted Steel, 114 ft of 1.25" Epoxy, 2,829 ft of 4" Painted Steel, 61 of 1" HDFL, 1,179 ft of 2" Mill Wrap, 47 ft of 4" Epoxy, 91 of 1" PE, 1,121 ft of 2" PE, 100 ft of 7.5" Hot Tar, 6,054 ft of 2" Painted Steel IP, with 10,285 ft of 2" and 4,381 ft of 4" HDPE. 253 Services Contractor Adaterial Overhead Replace 153 ft of 1.25" Bare Steel, 3,999 ft of 4" Bare Steel, 650 ft of 4" Mill Wrap, 999 ft of 2" Epoxy, 3,744 ft of 2" Bare Steel, 30 ft of 1.25" Painted Steel, 732 ft of 4" Painted Steel, 85 ft of .75" PE, 6 ft of 2" HDPE, 572 ft of 2" Mill Wrap, 28 ft of 4" Epoxy, 91 ft of 1" PE, 120 ft of 2" PE, 754 ft of 6" Bare Steel, 748 ft of 4" Painted Steel, 748 ft of 6" Bare Steel, 748 ft of 4" PhDPE. 190 PRP. 2738.W Walnut Lebon, FY20 PRP. 2738.W Walnut Lebon, FY20 PRP. 2738.W Walnut Lebon, FY20 To Contractor Adaterial Overhead PRP. 2734.Misc company crew To Contractor Adaterial Overhead PRP. 2734.Misc company crew To Contractor Adaterial Overhead PRP. 2734.Misc company crew To Lat specific budgeted projects & bare steel functional Non specific bare steel functional Non specific bare steel functional To Lipical Ada 2 Steel Ada 2 Steel Steel To Lipical Ada 2 Steel Steel Ada 2 Stee		Overhead			133,034	5,601		6,493	
Bare Steel, 600 ft of a" Mill Wrap, 999 ft of 2"	PRP.2738.W High St Lebanon.FY20	Steel, 10 ft of 4" Mill Wrap, 3,685 ft of 2" Epoxy, 1,022 ft of 2" Bare Steel, 638 ft of 2" Hot Tar, 205 ft of 1.25" Bare Steel, 638 ft of 2" Hot Tar, 205 ft of 1.25" Fainted Steel, 314 ft of 1.25" Epoxy, 2,829 ft of 4" Painted Steel, 6 ft of 2" HDPE, 1,179 ft of 2" Mill Wrap, 47 ft of 4" Epoxy, 9 ft of 1" PE, 112 ft of 2" PE, 100 ft of 7.5" Hot Tar, 6,054 ft of 2" Painted Steel IP, with 10,285 ft of 2" and 4,381 ft of 4" HDPE. 235 Services Contractor Material	235	1,406,462	44,650		\$74,024		
Epoxy, 3,744 ft of 2" Bare Steel, 30 ft of 1.25" Painted Steel, 732 ft of 4" Painted Steel, 85 ft of -7.5" PE, 6 ft of 2" Hope, 572 ft of 2" Mill Wrap, 28 ft of 4" Epoxy, 9 ft of 1" PE, 120 ft of 2" PE, 754 ft of 6" Bare Steel, 794 ft of 2" Painted Steel IP with 11,592 ft of 2" and 2,489 ft of 4" IP HDPE. 190 PRP.2738.W Walnut Lebon.FY20 Services 190 1,741,471 Services 190 1,741,471 Auterial Overhead PRP.2734.Misc company crew PRP.2734.Misc company crew Total specific budgeted projects & bare steel functional Non specific bare steel functional Non specific bare steel functional Non specific bare steel functional 1,119,621 47,142 54,642									
Material 36,100 20,900 Overhead 140,424 5,913 6,853 PRP work done throughout the FY with company crews. 299,626 \$15,770 Contractor - 299,626 \$15,770 Material 0 Material 0 Material 0 Moverhead 17,785,635 7,386,874 311,026 936,986 360,508 Non specific bare steel functional 1,119,621 47,142 54,642	PRP.2738.W Walnut Lebon.FY20	Bare Steel, 660 ft of 4" Mill Wrap, 999 ft of 2" Epoxy, 3,744 ft of 2" Bare Steel, 30 ft of 1.25" Painted Steel, 732 ft of 4" Painted Steel, 85 ft of .75" PE, 6 ft of 2" HDPE, 572 ft of 2" Mill Wrap, 28 ft of 4" Epoxy, 9 ft of 1" PE, 120 ft of 2" PE, 754 ft of 6" Bare Steel, 794 ft of 2" Painted Steel IP with 11,592 ft of 2" and 2,489 ft of 4" IP HDPE. 190 Services	190	1,741,471			\$91,656		
Overhead 140,424 5,913 6,853		Contractor						24,225	
PRP work done throughout the FY with company crew 299,626 \$15,770 Contractor Material Overhead								6.853	
Crews. - 299,626 \$15,770 Contractor - 299,626 Contractor - 299,6					140,424	3,913		0,033	
Material Overhead -	RP.2734.Misc company crew	crews.	-	299,626			\$15,770		
Overhead 7,386,874 311,026 936,086 360,508 Non specific bare steel functional 1,119,621 47,142 54,642						_		•	
Total specific budgeted projects & bare steel functional 17,785,635 7,386,874 311,026 936,086 360,508									
Non specific bare steel functional 1,119,621 47,142 54,642									
		Total specific budgeted projects & bare steel functional		17,785,635	7,386,874	311,026	936,086	360,508	
<u>-</u>		Non specfic bare steel functional			1,119,621	47,142		54,642	
			_				05		62 497 ((7 2 109 922 14

358,168 936,086 415,150

\$3,487,667 2,198,833 146,324

Total budgeted 2020 projects

ATMOS ENERGY CORPORATION KENTUCKY PIPE REPLACEMENT PROGRAM SURCHARGE CALCULATION OF FORCASTED ACTIVITY

2021 PROJECT DETAILS

		No. of		Installation		Co	st of Removal			Retirements	
Projects	Project Description	services	Main	Services	Meters	Main	Services	Meters	Main	Services	Meters
	Stl., 63 ft. of 3" Epoxy, 218 ft. of 2" N/A Plastic, 108										
	ft. of 1" Bare Stl., 2,491 ft. of 2" Bare Stl., 1,684 ft. of										
PRP.2635.Maple Ave	PE. 123 Services	123	554,733			\$29,196					
·	Contractor		****	377,426			19,865				
	Material			46,740	18,573		2.				
				126,613	5,544		5,930				
PRP.2635.Maple Ave PRP.2635.Princeton North PRP.2635.W Main St PRP.2636.14th St PRP.2636.McCulloch PRP.2636.Sycamore St PRP.2637.Bridge St Ph. 2	828 ft. of 2 ft, 461 ft. of 1.25 Bare Stl., 6,718 ft. of 2"										
	1.25 N/A Plastic, 2,289 ft. of 3" Bare Stl.,and 110 ft.										
PRP.2635.W Main St PRP.2636.14th St PRP.2636.25th-Clay		162	872 575			\$45 025					
I 111 .2000.1 IIIIOCIOII IVOITII	Contractor	102	672,575	497,097		\$ 1 3,723	26,163				
	Material			61,560	24,462						
	Overhead			166,759	7,302		7,810				
	Replace 131 ft. of 1" Bare Stl., 234 ft. of 1.25 Bare										
	Stl., 100 ft. of 1.25 N/A PE.,1,424 ft. of 2" Epoxy,										
	4" Bare Stl., 317 ft. of 4" Epoxy. Install 7,454 ft. of 2"										
RP.2635.Maple Ave RP.2635.Princeton North RP.2635.W Main St RP.2636.14th St RP.2636.25th-Clay RP.2636.McCulloch	and 1,222 ft. of 4" HDPE . 145 Services	145	812,302			\$42,753					
					21.005		23,418				
	Overhead			55,100 149,260			6,990				
<u> </u>				, 200	3,550		-,,,,,				
	Replace 243 ft. of 3" Hot Tar, 763 ft. of 6" Hot Tar, 783 ft. of 8" Mill Wrap, 894 ft. of 8" Hot Tar, 1,599 ft.										
	of 2" Hot Tar, 106 ft. of 1.25" Unknown Coating, 102										
	Steel, 249 ft. of 1.25" Hot Tar, 241 ft. of 4" Mill Wrap,										
	138 ft. of 2" PE, 677 ft. of 2" Epoxy, 7 ft. of 6" PE,										
	Epoxy IP. Install 4,266 ft. of 2", 228 ft. of 4" and										
PRP.2636.14th St	2,750 ft. of 8" IP HDPE. 50 Services	50	869,599			\$45,768					
					7.550		8,075				
							2,410				
				31,107	2,231		2,110				
PRP.2636.25th-Clay	4" PE and 820 ft. of 6" IP PE. 18 Services	18	167,451			\$8,813					
	Contractor			55,233			2,907				
							060				
				18,529	811		808				
PRP.2636.McCulloch	IP HDPE. 18 Services	18	67,585			\$3,557					
RP.2636.McCulloch					2.710		2,907				
							868				
	Wrap, 102 ft. of 8" Mill Wrap bare Joint IP. Install										
PRP.2636.Sycamore St		48	490,567	147.200		\$25,819	7.750				
					7 248		1,752				
	Overhead			49,410	2,164		2,314				
	Replace 299 ft. of 6" Bare Steel, 1,382 ft. of 6" Mill										
	Wrap, 605 ft. of Fusion Bonded Epoxy, 60 ft. of 2"										
	Bare and 6,378 ft. of 2" Mill Wrap Bare Joint. Install										
PRP.2637.Bridge St Ph. 2	6,536 ft. of 2" and 2,265 ft. of 6" HDPE. 140 Services	140	788,703			\$41.511					
	Contractor		,	429,590		,	22,610				
1	Material			53,200	21,140						
				144,113	6,310		6,749				
	Bare Joint, 1,786 ft. of 2" Mill Wrap Bare Joint, 166										
	Replace 1,288 II. of 2° Epoxy, 52° II. of 12° Essare 80, EST of 5° Epoxy, 25° II. of 12° Essare 80, EST of 5° Epoxy, 25° III. of 12° Essare 81, 150 t. of 12° FE. Install 6,010 II. of 2° PE 12° Services 115,00 t. of 12° FE. Install 6,010 III. of 2° PE 12° Services 123 554,733 377,456 5.99,196 Contractor Misterial 40,740 115,573 126,61 Overhead 115,573 126,61 Services										
PRP.2637.Broad St	Services	60	698,197			\$36,747					
					0.000		9,690				
							2.892				
<u> </u>				21,700	2,704		2,072				
	93 ft. of 2" Fusion Bonded Epoxy, 843 ft. of 2" Epoxy										
DDD 2637 Hill 94		100	621 401			\$22.705					
FRF.2037.FIIII ST		188	621,401	576.878		\$32,705	30.362				
1					28,388		50,502				
							9,063				
								·			
	Bonded Epoxy, 1 ft. of 4" Epoxy, 4,042 ft. of 6" Mill										
PRP.2637.S 3rd St		33	672,051			\$35,371					
ĺ			***	101,261		***	5,330				

ı	Material			12,540	4,983			
	Overhead			33,969	1,487		1,591	
•	Replace 430 ft. of 4" Bare Steel, 434 ft. of 1.25" Epoxy, 571 ft. of 4" Epoxy, 7 ft. of 4" PE, 512 ft. of							
	6" Mill Wrap, 3,891 ft. of 6" Mill Wrap Bare Joint, 427 ft. of 2" Epoxy and 379 ft. of 2" Bare Steel. Install							
	660 ft. of 2" and 4,427 ft. of 6" IP HDPE. 18							
PRP.2734.4th St	Services. Contractor	18	903,938	55,233		\$47,576	2,907	
	Material			6,840	2,718			
	Overhead			18,529	811		868	
	Replace 204 ft. of 2" Epoxy, 342 ft. of 2" Bare Steel, 159 ft. of 4" Mill Wrap, 15 ft. of 3" Fusion Bond							
	Epoxy, 542 ft. of 2" Mill Wrap, 78 ft. of 2" Fusion							
	Bond Epoxy, 559 ft. of 2" Painted, 7 ft. of 4" PE, 2,894 ft. of 3" Bare Steel, 415 ft. of 2" PE, 1,223 ft.							
PRP.2734.Brick St Franklin	of 4" Bare Steel, 326 ft. of 1.25" PE. Install 4,935 ft. of 2" and 1,844 ft. of 4" IP HDPE. 80 Services	80	607,457			\$31,971		
PRE-2734. Blick St. Franklin	Contractor	80	007,437	245,480		\$31,971	12,920	
	Material Overhead			30,400	12,080		2.057	
	Replace 518 ft. of 1" Bare Steel, 5 ft. of 2" HDPE, 7			82,350	3,606		3,857	
	ft. of 4" Epoxy, 1,801 ft. of 2" Epoxy, 282 ft. of 2" PE, 4,265 ft. of 2" Bare Steel. Install 6,879 ft. of 2" PE.							
PRP.2734.E 3rd Russellville	101 Services	101	544,050	200.040		\$28,634		
	Contractor Material			309,919 38,380	15,251		16,312	
	Overhead			103,967	4,552		4,869	
	Replace 1,447 ft. of 1.25" Bare Steel, 28 ft. of 6" PE,							
	372 ft. of 3" Bare Steel, 367 ft. of 2" PE, 318 ft. of 1.25 Epoxy, 2,218 ft. of 2" Bare Steel, 92 ft. of 2"							
PRP.2734.Gayle Way	Epoxy, 362 ft. of 6" Bare Steel. Install 1,627 ft. of 2" and 400 ft. of 6" IP HDPE. 56 Services	56	207,763			\$10,935		
Tr. 2104. Gayle way	Contractor	56	207,703	171,836		o10,933	9,044	
	Material			21,280	8,456		2.700	
	Overhead Replace 2,516 ft. of 6" Bare Stl, 328 ft. of 6" Epoxy			57,645	2,524		2,700	
PRP.2734.High St Alley	and 17 ft. of 4" Epoxy IP. Install 3,031 ft. of 6" HDPE. 3 Services	3	566,501			\$29,816		
	Contractor			9,206			485	
	Material Overhead			1,140 3,088	453 135		145	
	Replace 2,758 ft. of 3" Bare Stl, 103 ft. of 4"			-,				
	Painted, 238 ft. of 2" PE, 573 ft. of 1.25" Steel, 6 ft. of 4" Fusion Bond Epoxy, 68 ft. of 2" Epoxy, 1,517 ft.							
	of 4" Epoxy, 817 ft. of 3" Epoxy, 1,517 ft. of 6" Bare Steel, 633 ft. of 2" Bare Steel, 2,506 ft. of 4" Bare							
	steel, 508 ft. of 4" PE, 183 ft. of 1.5" Bare Steel, 371							
	ft. of 4" Mill Wrap, 222 ft. of 4" Steel Unknown Coating. Install 1,700 ft. of 6" and 7,700 ft. of 2" IP							
PRP.2734.LP W.KY Ave Franklin	HDPE. 137 Services Contractor	137	862,370	420,385		\$45,388	22,126	
	Material			52,060	20,687		22,120	
	Overhead Replace 1,305 ft. of 2" Bare Steel , 154 ft. of 2" PE			141,025	6,175		6,604	
DDD 2724 Doorl - Poot Lodg	and 187 ft. of 2" Steel. Install 1,434 ft. of 2" IP HDPE. 6 Services	6	141 055			\$7.466		
PRP.2734.Pearl - Boat Lndg	Contractor	6	141,855	18,411		\$7,466	969	
	Material Overhead			2,280 6,176	906 270		289	
				0,170	270		207	
	Replace 3,085 ft of 4" Bare Steel, 30 ft of 2" Millwrap Bare Joint, 496 ft of 2" Unknown Coating, 218 ft of 2"							
	Mill Wrap, 813 ft of 2" Painted, 265 ft of 2" Fusion Bonded Epoxy, 136 ft of 2" PE, 1,326 ft of 2" Bare							
	Steel HP and IP. Install 1,650 ft of 2" and 3,164 ft of 6" HDPE. Retire Purchase and TB Stations, install							
PRP.2734.Sycamore St	new TB Station. 34 Services	34	853,452			\$44,919		
	Contractor Material			104,329	£ 124		5,491	
	Material Overhead			12,920 34,999	5,134 1,532		1,639	
	Replace 2,417 ft. of 2" Bare Steel, 689 ft. of 2"							
	Fusion Bonded Epoxy, 645 ft. of 1.25" Bare Steel,							
	476 ft. of 3" Painted, 350 ft. of 3" Mill Wrap Bare Joint, 63 ft. of 1.25" Mill Wrap Bare Joint, 508 ft. of							
	2" Unknown Coating, 452 ft. of 2" PE, 313 ft. of 2" Painted, 400 ft. of 2" Mill Wrap, 397 ft. of 2" Epoxy,							
	433 ft. of 3" Bare Steel, 6 ft. of 1.25" Hot Tar, 686 ft. of 2" Mill Wrap Bare Joint IP. Install 6,383 ft. of 2"							
PRP.2735.Grandview Ave	and 1,637 ft. of 4" IP HDPE. 104 Services	104	700,151			\$36,850		
	Contractor Material			319,124 39,520	15,704		16,796	
	Overhead			39,320 107,055	15,704 4,688		5,014	
<u> </u>	Replace 430 ft. of 1.25" Mill Wrap, 375 ft. of 2" PE, 308 ft. of 1.25" Fusion Bonded Epoxy, 3,443 ft. of 2"							
	Bare Steel, 207 ft. of 2" Fusion Bonded Epoxy, 181 ft. of 1.25" Bare, 146 ft. of 1.25" Unknown Coating,							
	833 ft. of 2" Mill Wrap, 11 ft. of 2" Hot Tar, 110 ft. of							
	2" Unknown Coating, 201 ft. of 2" PE, 993 ft. of 3" Bare Steel. Install 7,237 ft. of 2" IP HDPE. 62							
PRP.2735.Hiseville	Services Contractor	62	497,159	100 247		\$26,166	10.013	
	Material			190,247 23,560	9,362		10,013	
	Overhead Replace 19 ft. of 2" PE, 638 ft. of 1.25" Bare Steel,			63,821	2,795		2,989	
	2,515 ft. of 2" Bare Steel, 1,038 ft. of 2" Epoxy, 143							
	ft. of 2" Hot Tar, 25 ft. of 2" Mill Wrap, 210 ft. of 1.25" Epoxy, 54 ft. of 1.25" Hot Tar. Install 1,300 ft. of 2"							
PRP.2735.Oakland	and 2,700 ft. of 4" IP HDPE. Replace TBS. 27 Services	27	462,822			\$24,359		
	Contractor	-/	102,022	82,850			4,361	
i .	Material			10,260	4,077			
	Overhead			27,793	1,217		1,302	

Contractor	211	1,126,874	647,454	21 961	\$59,309	34,077			
ft. of 4" Painted, 75 ft. of 2" Hot Tar, 417 ft. of 1.25" Hot Tar IP. Install 6,677 ft. of 2" and 5,029 ft. of 4"	211	1 126 874			\$50 300				
Replace 695 ft. of 1.25" Epoxy, 5,829 ft. of 2" Painted Steel, 441 ft. of 3" painted, 1,516 ft. of 2" Mill				-,		-,			
						1 446			
Contractor			92,055	4.500		4,845			
Replace 261 ft. of 4" bare Stl., 105 ft. of 2" hot Tar, 835 ft. of 2" Epoxy, 260 ft. of Mill Wrap Bare Joint, 209 ft. of 4" Epoxy, 217 ft. of 2" Bare Stl., 545 ft. of Mill Wrap Bare Joint IP. Install 2,340 ft. of 2" IP HDPE. 30 Services	30	420,092			\$22,110				
Overhead			49,410	2,164		2,314			
				7 248		7,752			
Mill Wrap, 158 ft. of 2" Bare Stl., 40 ft. of 1.25" PE, 246 ft. of Epoxy, 3,435 ft. of 2" Painted and 302 ft. of 1.25" Epoxy IP. Install 1,038 ft. of 2" and 3,348 ft. of 4" IP HDPE. 48 services	48	488,042	147.200		\$25,686	7.752			
Overhead Replace 310 ft. of 2" unknown coating, 49 ft. of 2"			44,263	1,938		2,073			
Material			16,340	6,493		0,743			
Replace 1,566 ft. of 2" Mill Wrap Bare Joint, 9 ft. of 2" HDPE, and 541 ft. of 4" Mill Wrap Bare Joint. Install 2,117 ft. of 2" IP HDPE. 43 services Contractor	43	248,881	131 946		\$13,099	6.945			
Overhead			104,996	4,597		4,917			
Contractor Material				15,402		16,473			
Replace 394 ft. of 2" PE, 487 ft. of 4" Steel Unknown Coating, 7,188 ft. of 2" Mill Wrap Bare joint, 261 ft. of 2" Epoxy, 1,046 ft. of 2" Fusion Bond Epoxy, and 99 ft. of 2" Mill Wrap IP. Install 3,468 ft. of 2" and 5,266 ft. of 4" IP HDPE. 102 Services	102	900,123			\$47,375				
Overhead			43,234	1,893		2,025			
Material			15,960	6,342		0,703			
Services Contractor	42	436,494	128 877		\$22,973	6.783			
	Contractor Material Overhead Replace 394 ft. of 2" PE, 487 ft. of 4" Steel Unknown Coating, 7,188 ft. of 2" Mill Wrap Bare joint, 261 ft. of 2" Epoxy, 1,046 ft. of 2" Fusion Bond Epoxy, and 99 ft. of 2" Mill Wrap IP. Install 3,468 ft. of 2" and 5,266 ft. of 4" IP HDPE. 102 Services Contractor Material Overhead Replace 1,566 ft. of 2" Mill Wrap Bare Joint, 9 ft. of 2" HDPE, and 541 ft. of 4" Mill Wrap Bare Joint. Install 2,117 ft. of 2" IP HDPE. 43 services Contractor Material Overhead Replace 310 ft. of 2" unknown coating, 49 ft. of 2" Mill Wrap, 158 ft. of 2" Bare Sti., 40 ft. of 1.25" PE, 246 ft. of Epoxy, 3,433 ft. of 2" Painted and 302 ft. of 1.25" Epoxy IP. Install 1,038 ft. of 2" and 3,348 ft. of 4" IP HDPE. 48 services Contractor Material Overhead Replace 261 ft. of 4" bare Sti., 105 ft. of 2" Hot Tar, 835 ft. of 2" Epoxy, 260 ft. of Mill Wrap Bare Joint, 109 ft. of 4" Epoxy, 217 ft. of 2" Bare Sti., 545 ft. of Mill Wrap Bare Joint IP. Install 2,340 ft. of 2" IP HDPE. 30 Services Contractor Material Overhead Replace 695 ft. of 1.25" Epoxy, 5,829 ft. of 2" Painted Steel, 441 ft. of 3" painted, 1,516 ft. of 2" Mill Wrap, 527 ft. of 2" Epoxy, 420 ft. of 3" Epoxy, 1,539 ft. of 4" Painted, 75 ft. of 2" Hot Tar, 417 ft. of 1.25" Hot Tar IP. Install 6,677 ft. of 2" and 5,029 ft. of 4" IP HDPE. 211 Services	Services	Services	Services	Services	Services	Services	Services	Services