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July 27, 2020

PSC Executive Director
Public Service Commission
211 Sower Blvd.
Frankfort, KY 40601

Re: Atmos Energy Corporation
Case No. 2020-00229

Dear Director:

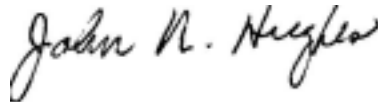
Atmos Energy Corporation submits its application to establish PRP Rider Rates for the twelve month period commencing October 1, 2020. I certify that the electronic documents are true and correct copies of the original documents, which will be filed pursuant to the Commission's COVID-19 orders.

If you have any questions about this filing, please contact me.

Submitted By:

Mark R. Hutchinson
Wilson, Hutchinson & Littlepage
611 Frederica Street
Owensboro, KY 42301
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And



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Attorneys for Atmos Energy Corporation

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 PERIOD BEGINNING
OCTOBER 1, 2020

CASE NO. 2020-00229

APPLICATION

Atmos Energy Corporation (“Company”), by counsel, applies to the Kentucky Public Service Commission (“Commission”), for approval to establish PRP Rider Rates for the 12-month period beginning October 1, 2020. In support of this Application, Company states as follows:

1. The Company is an operating public utility engaged in the business of supplying natural gas to the public in numerous cities, towns and communities in western and south central Kentucky. Correspondence and communications with respect to this Application should be directed to:

Mark A. Martin,
Atmos Energy Corporation,
3275 Highland Pointe Drive,
Owensboro, Kentucky
(270) 685-8095 Ph
(270) 689-2076 fax
(Mark.Martin@atmosenergy.com)

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And

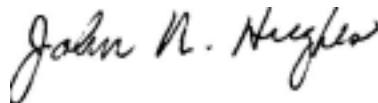
John N. Hughes
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2. The Company is a corporation duly qualified under the laws of the Commonwealth of Kentucky to carry on its business in the Commonwealth. A certified copy of Company's restated Articles of Incorporation, as amended, together with all amendments thereto, is on file in the records of the Commission and the same are incorporated herein by reference. See Case No. 2018-00281. The Company was initially incorporated in Texas on February 6, 1981 and in Virginia on July 21, 1997. Applicant attests that it is a foreign corporation in good standing to operate in Kentucky. Atmos Energy does not operate under an assumed name in Kentucky.

3. The Company is filing this application in compliance with the Commission's Order in Case No. 2018-00281. This Application and the attached supporting exhibits contain the facts on which the relief being requested is based, a request for the relief sought and references to the particular provisions of law requiring or providing for the relief sought as specified in 807 KAR 5:001

WHEREFORE, the Company requests the Commission to approve the attached PRP Rider Rates for the 12-month period beginning October 1, 2020.

Respectfully submitted this 31st day of July, 2020.

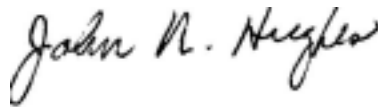


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CERTIFICATE

In accordance with the requirements of 807 KAR 5:001, I certify that this electronic filing is a true and accurate copy of the documents to be filed in paper medium; that the electronic filing has been transmitted to the Commission on July 31, 2020; that an original of the filing will be delivered to the Commission pursuant to the requirements of the Commission's COVID-19 orders; and that no party has been excused from participation by electronic means.



John N. Hughes

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)
PERIOD BEGINNING OCTOBER 1, 2020)

CASE NO. 2020-00229

AFFIDAVIT

The Affiant, Mark A. Martin, being duly sworn, deposes and states that the statements contained in the attached Application are true and correct to the best of my knowledge and belief.

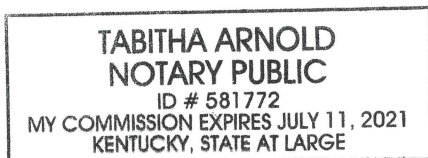


Mark A. Martin

STATE OF KENTUCKY

COUNTY OF DAVIESS

SUBSCRIBED AND SWORN before me by Mark A. Martin on this 22nd day of July, 2020.





Notary Public

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 ISSUE May 9, 2019
Month/Date/Year

DATE EFFECTIVE May 8, 2019
Month/Date/Year

Issued by Authority 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

Pipeline Replacement Program Rider

4. Pipe Replacement Rider Rates

The charges for the respective gas service schedules for the revenue month beginning October 1, 2020 per billing period are: (T)

	<u>Monthly Customer Charge</u>		<u>Distribution Charge per Mcf</u>	
Rate G-1 (Residential)	\$1.83		\$0.00	(I,-)
Rate G-1 (Non-Residential)	\$6.05		\$0.00	(I,-)
Rate G-2	\$23.37	1-15,000	\$0.0482 per 1000 cubic feet	(I,R)
		Over 15,000	\$0.0358 per 1000 cubic feet	(R)
Rate T-3	\$27.24	1-15,000	\$0.0587 per 1000 cubic feet	(I,I)
		Over 15,000	\$0.0436 per 1000 cubic feet	(I,I)
Rate T-4	\$26.99	1-300	\$0.1053 per 1000 cubic feet	(I,I)
		301-15,000	\$0.0586 per 1000 cubic feet	(I)
		Over 15,000	\$0.0470 per 1000 cubic feet	(I)

DATE OF ISSUE August 1, 2020
Month/Date/Year

DATE EFFECTIVE October 1, 2020
Month/Date/Year

ISSUED BY /s/ Mark A. Martin
Signature of Officer

TITLE Vice President – Rates and Regulatory Affairs

Atmos Energy Corporation
Pipe Replacement Program Filing
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**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	Customer Charge	Volumetric Charge
1	RESIDENTIAL (Rate G-1)	\$ 1.83	0.0000
2	NON-RESIDENTIAL (Rate G-1)	\$ 6.05	0.0000
3	INTERRUPTIBLE (Rate G-2)	\$ 23.37	
4			0.0482
5			0.0358
6	TRANSPORTATION (T-3)	\$ 27.24	
7			0.0587
8			0.0436
9	TRANSPORTATION (T-4)	\$ 26.99	
10			0.1053
11			0.0586
12			0.0470

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	<u>\$ 40,898,895</u>
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	<u>14,408,562</u>
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	<u>\$ 54,296,127</u>
14		
15	Rate of Return	7.49%
16	Required Operating Income	<u>\$ 4,066,573</u>
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	<u>\$ 375,846</u>
24		
25	Deficiency	\$ 4,442,419
26	Tax Factor	74.52%
27	Total Rate Adjustment	<u>\$ 5,961,006</u>
28		
29	Project Cost True-up	\$ -
30	Revenue Recovery True-up	\$ -
31	Total True-up	<u>\$ -</u>
32		
33	Total Rate Adjustment	\$ 5,961,006
34		
35	2020 Approved Deficiency	\$ 2,912,291

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

<u>Line Number</u>	<u>Description</u>	<u>Mains</u>	<u>Services</u>	<u>Meters</u>	<u>Total</u>
1	Prior Year: 2020	17,785,635	8,506,495	358,168	26,650,299
2					
3	Current Year: 2021	16,583,188	9,684,233	424,045	26,691,466
4					
5	Total Additions	<u>\$ 34,368,823</u>	<u>\$ 18,190,729</u>	<u>\$ 782,213</u>	<u>\$ 53,341,765</u>

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

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

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	<u>\$ 382,889</u>	<u>\$ 306,892</u>	<u>\$ 21,964</u>	<u>\$ 711,746</u>
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	<u>\$ 178,428</u>	<u>\$ 164,970</u>	<u>\$ 12,347</u>	<u>\$ 355,744</u>
8					
9	Depreciation Accrual to Accumulated Depreciation from Prior Approved Filing				\$ 178,001
10	Accumulated Depreciation on Prior Additions (full years depreciation)				356,001
11	Accumulated Depreciation on Current Additions (half-year convention)				<u>177,872</u>
12					
13	Depreciation Accrual to Accumulated Depreciation				<u><u>\$ 711,874</u></u>

Kentucky PRP ADIT Calculation
FY2021

Line No		Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20
1	Book Cost	1,734,790	1,734,790	1,734,790	1,734,790	1,734,790	1,734,790	1,734,790	1,734,790	1,734,790	1,734,790	1,734,790	1,734,790
2	Tax Cost	1,391,291	1,391,291	1,391,291	1,391,291	1,391,291	1,391,291	1,391,291	1,391,291	1,391,291	1,391,291	1,391,291	1,391,291
3	FXA01	<u>\$ (343,498)</u>	<u>\$ (343,498)</u>	<u>\$ (343,498)</u>	<u>\$ (343,498)</u>	<u>\$ (343,498)</u>	<u>\$ (343,498)</u>	<u>\$ (343,498)</u>	<u>\$ (343,498)</u>	<u>\$ (343,498)</u>	<u>\$ (343,498)</u>	<u>\$ (343,498)</u>	<u>\$ (343,498)</u>
4		334	304	273	242	214	183	153	122	92	61	30	0
5													
6													
7		(314,325)	(286,092)	(256,918)	(227,744)	(201,394)	(172,220)	(143,987)	(114,813)	(86,580)	(57,407)	(28,233)	-
8	FXA01 Prorated												
9	Deferred Rate	24.95%	24.95%	24.95%	24.95%	24.95%	24.95%	24.95%	24.95%	24.95%	24.95%	24.95%	24.95%
10	FXA01 Tax Effected	<u>\$ (78,424)</u>	<u>\$ (71,380)</u>	<u>\$ (64,101)</u>	<u>\$ (56,822)</u>	<u>\$ (50,248)</u>	<u>\$ (42,969)</u>	<u>\$ (35,925)</u>	<u>\$ (28,646)</u>	<u>\$ (21,602)</u>	<u>\$ (14,323)</u>	<u>\$ (7,044)</u>	<u>\$ -</u>
11													
12													
13													
14													
15	Book Depreciation	14,833	14,833	14,833	14,833	14,833	14,833	14,833	14,833	14,833	14,833	14,833	14,833
16	Tax Depreciation	63,792	63,792	63,792	63,792	63,792	63,792	63,792	63,792	63,792	63,792	63,792	63,792
17	FXA02	<u>\$ 48,959</u>	<u>\$ 48,959</u>	<u>\$ 48,959</u>	<u>\$ 48,959</u>	<u>\$ 48,959</u>	<u>\$ 48,959</u>	<u>\$ 48,959</u>	<u>\$ 48,959</u>	<u>\$ 48,959</u>	<u>\$ 48,959</u>	<u>\$ 48,959</u>	<u>\$ 48,959</u>
18		334	304	273	242	214	183	153	122	92	61	30	0
19													
20													
21													
22		(44,801)	(40,777)	(36,618)	(32,460)	(28,705)	(24,546)	(20,522)	(16,364)	(12,340)	(8,182)	(4,024)	-
23	FXA02 Prorated												
24	Deferred Rate	24.95%	24.95%	24.95%	24.95%	24.95%	24.95%	24.95%	24.95%	24.95%	24.95%	24.95%	24.95%
25	FXA02 Tax Effected	<u>\$ (11,178)</u>	<u>\$ (10,174)</u>	<u>\$ (9,136)</u>	<u>\$ (8,099)</u>	<u>\$ (7,162)</u>	<u>\$ (6,124)</u>	<u>\$ (5,120)</u>	<u>\$ (4,083)</u>	<u>\$ (3,079)</u>	<u>\$ (2,041)</u>	<u>\$ (1,004)</u>	<u>\$ -</u>
26													
27	Incremental Deferred Inc. Taxes and Investment Tax Credits												
28	(excluding forecasted change in NOLC)												
29	Forecasted Change in NOLC												
30													
31	Forecasted ADIT in Rate Base												
32													
33													
34	Calculation of Change in NOLC												
35													
36													
37	Forecasted Test Period	Schedule											
38		Reference											
39	Net Change to Rate Base	Exhibit B		54,296,127									
40													
41	Required Operating Income	Exhibit B		4,066,573									
42													
43	Interest Deduction	24.95%	Exhibit B	1,024,475									
44													
45	Return on Equity Portion of Rate Base		line 36 - line 38	3,042,098									
46													
47	Return, grossed up for Income Tax	24.95%	Line 40 / (1-tax rate)	4,053,428									
48													
49	Tax Expense on Return	24.95%	Line 42 x tax rate	<u>1,011,330</u>									
50													
51	Change In ADIT, excluding forecasted change in NOLC		Line 22	(1,158,758)									
52	Required Change in NOLC			<u>147,428</u>									
53													
54	Total Required Change in Accumulated Deferred Income Taxes¹		Exhibit B	(1,011,330)									
55													
56													
57	ADIT Reconciliation												
58													
59													
60	Change In ADIT, excluding forecasted change in NOLC		Line 22	(1,158,758)									
61	Change in NOLC		Line 47	<u>147,428</u>									
62	Forecasted ADIT in Rate Base			(1,011,330)									
63													
64	Total Required Change in Accumulated Deferred Income Taxes		Line 57 - Line 53	(1,011,330)									
65													
66													
67													

¹ Because the Company is in a NOLC position, the total change in ADIT must equal the tax expenses included in revenue requirement

Line No	Total		Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Total
1	20,817,475		1,673,452	1,673,452	1,673,452	1,673,452	1,673,452	1,673,452	1,673,452	1,673,452	1,673,452	1,673,452	1,673,452	1,673,452	20,081,420
2	16,695,495		1,401,283	1,401,283	1,401,283	1,401,283	1,401,283	1,401,283	1,401,283	1,401,283	1,401,283	1,401,283	1,401,283	1,401,283	16,815,399
3	<u>(4,121,980)</u>		<u>\$ (272,168)</u>	<u>\$ (272,168)</u>	<u>\$ (272,168)</u>	<u>\$ (272,168)</u>	<u>\$ (272,168)</u>	<u>\$ (272,168)</u>	<u>\$ (272,168)</u>	<u>\$ (272,168)</u>	<u>\$ (272,168)</u>	<u>\$ (272,168)</u>	<u>\$ (272,168)</u>	<u>\$ (272,168)</u>	<u>\$ (3,266,021)</u>
4			350	320	289	258	230	199	169	138	108	77	46	16	
5															
6		FY20 BOY	(1,889,712)	(1,889,712)	(1,889,712)	(1,889,712)	(1,889,712)	(1,889,712)	(1,889,712)	(1,889,712)	(1,889,712)	(1,889,712)	(1,889,712)	(1,889,712)	(1,889,712)
7	(1,889,712)	FY21 activity (prorated)	(260,983)	(238,613)	(215,498)	(192,382)	(171,503)	(148,388)	(126,018)	(102,902)	(80,532)	(57,416)	(34,301)	(11,931)	(1,640,467)
8		Cumulative	(2,150,695)	(2,128,325)	(2,105,209)	(2,082,094)	(2,061,215)	(2,038,099)	(2,015,729)	(1,992,614)	(1,970,244)	(1,947,128)	(1,924,012)	(1,901,642)	(3,530,179)
9			24.95%	24.95%	24.95%	24.95%	24.95%	24.95%	24.95%	24.95%	24.95%	24.95%	24.95%	24.95%	24.95%
10	<u>(471,483)</u>		<u>\$ (536,598)</u>	<u>\$ (531,017)</u>	<u>\$ (525,250)</u>	<u>\$ (519,482)</u>	<u>\$ (514,273)</u>	<u>\$ (508,506)</u>	<u>\$ (502,924)</u>	<u>\$ (497,157)</u>	<u>\$ (491,576)</u>	<u>\$ (485,808)</u>	<u>\$ (480,041)</u>	<u>\$ (474,460)</u>	<u>\$ (880,780)</u>
11															
12															
13															
14															
15	178,001		44,489	44,489	44,489	44,489	44,489	44,489	44,489	44,489	44,489	44,489	44,489	44,489	533,873
16	765,504		184,650	184,650	184,650	184,650	184,650	184,650	184,650	184,650	184,650	184,650	184,650	184,650	2,215,799
17	<u>887,504</u>		<u>\$ (140,160)</u>	<u>\$ (140,160)</u>	<u>\$ (140,160)</u>	<u>\$ (140,160)</u>	<u>\$ (140,160)</u>	<u>\$ (140,160)</u>	<u>\$ (140,160)</u>	<u>\$ (140,160)</u>	<u>\$ (140,160)</u>	<u>\$ (140,160)</u>	<u>\$ (140,160)</u>	<u>\$ (140,160)</u>	<u>\$ (1,681,926)</u>
18			350	320	289	258	230	199	169	138	108	77	46	16	
19															
20															
21		FY 20 EOY	(269,340)	(269,340)	(269,340)	(269,340)	(269,340)	(269,340)	(269,340)	(269,340)	(269,340)	(269,340)	(269,340)	(269,340)	(269,340)
22	(269,340)	FY21 activity (prorated)	(134,400)	(122,880)	(110,976)	(99,072)	(88,320)	(76,416)	(64,896)	(52,992)	(41,472)	(29,568)	(17,664)	(6,144)	(844,803)
23		Cumulative	(403,740)	(392,220)	(380,316)	(368,412)	(357,660)	(345,756)	(334,236)	(322,332)	(310,812)	(298,908)	(287,004)	(275,484)	(1,114,142)
24			24.95%	24.95%	24.95%	24.95%	24.95%	24.95%	24.95%	24.95%	24.95%	24.95%	24.95%	24.95%	24.95%
25	<u>(67,200)</u>		<u>\$ (100,733)</u>	<u>\$ (97,859)</u>	<u>\$ (94,889)</u>	<u>\$ (91,919)</u>	<u>\$ (89,236)</u>	<u>\$ (86,266)</u>	<u>\$ (83,392)</u>	<u>\$ (80,422)</u>	<u>\$ (77,548)</u>	<u>\$ (74,577)</u>	<u>\$ (71,607)</u>	<u>\$ (68,733)</u>	<u>\$ (277,979)</u>
26															
27															\$ (1,158,758)
28															
29															\$ 147,428
30															
31															<u>\$ (1,011,330)</u>
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ATMOS ENERGY CORPORATION
KENTUCKY PIPE REPLACEMENT PROGRAM
SURCHARGE CALCULATION OF FORECASTED ACTIVITY
AS OF OCTOBER 2020 THROUGH SEPTEMBER 2021
DEFERRED INCOME TAXES

Line Number	Description	Mains	Services	Meters	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	\$ 11,153,845	\$ 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 Effectd	\$ (1,391,519)	\$ (451,745)	\$ (42)	\$ (1,843,306)
21	FXA01 - Tax Effectd Prorated				\$ (880,780)
22					
23					
24	Book Depreciation	\$ 395,905	\$ 295,369	\$ 20,600	\$ 711,874
25	Tax Depreciation	\$ 2,119,526	\$ 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 Effectd	\$ 430,043	\$ 132,981	\$ 3,198	\$ 566,223
30	FXA02 - Tax Effectd 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%			
48	State Tax Rate	5.00%			
49	Federal Tax Rate	21.00%			
50	Uncollectible accounts expense	0.50%			
51	PSC Assessment	0.2000%			
52	Gross Up Factor	1.3418			

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

Line Number	Description	Percent	Cost	Weighted Cost
1	ST Debt	2.21%	3.40%	0.08%
2	LT Debt	39.73%	4.56%	1.81%
3	Equity	<u>58.06%</u>	9.65%	<u>5.60%</u>
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**

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

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

Line Number	Tariff	Description		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total	
<u>Customers</u>																	
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				<u>175,955</u>	<u>177,007</u>	<u>180,213</u>	<u>182,052</u>	<u>180,836</u>	<u>182,102</u>	<u>181,432</u>	<u>182,083</u>	<u>178,806</u>	<u>177,824</u>	<u>176,510</u>	<u>175,295</u>	<u>2,150,115</u>	
13																	
14	<u>Volumes</u>																
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				<u>1,218,811</u>	<u>1,426,596</u>	<u>1,647,368</u>	<u>1,556,368</u>	<u>1,782,477</u>	<u>1,550,187</u>	<u>1,670,018</u>	<u>1,403,557</u>	<u>1,326,613</u>	<u>1,150,462</u>	<u>1,173,021</u>	<u>1,223,810</u>	<u>17,129,288</u>	

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

2020 PROJECT DETAILS

Projects	Project Description	No. of services	Installation			Cost of Removal			Retirements		
			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	148	811,879			\$42,730					
	Contractor			358,530			18,870				
	Material			28,120	16,280						
	Overhead			109,383	4,606			5,338			
PRP.2636.Bluff Ave.FY20	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	142	514,367			\$27,072					
	Contractor			343,995			18,105				
	Material			26,980	15,620						
	Overhead			104,949	4,419			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	99	713,950			\$37,576					
	Contractor			239,828			12,623				
	Material			18,810	10,890						
	Overhead			73,169	3,081			3,571			
PRP.2636.Oak Ave.FY20	Replace 2,372 ft of 4" Hot Tar and 945 ft of 2" Hot Tar IP with 2,879 ft of 2" HDPE. 87 Services	87	260,721			\$13,722					
	Contractor			210,758			11,093				
	Material			16,530	9,570						
	Overhead			64,300	2,707			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	53	626,862			\$32,993					
	Contractor			128,393			6,758				
	Material			10,070	5,830						
	Overhead			39,171	1,649			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	50	510,163			\$26,851					
	Contractor			121,125			6,375				
	Material			9,500	5,500						
	Overhead			36,954	1,556			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	262	1,290,644			\$67,929					
	Contractor			634,695			33,405				
	Material			49,780	28,820						
	Overhead			193,638	8,153			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	187	1,298,526			\$68,343					
	Contractor			453,008			23,843				
	Material			35,530	20,570						
	Overhead			138,207	5,819			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, 6,180 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	130	1,040,317			\$54,754					
	Contractor			314,925			16,575				
	Material			24,700	14,300						
	Overhead			96,080	4,045			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	109	502,238			\$26,434					
	Contractor			264,053			13,898				
	Material			20,710	11,990						
	Overhead			80,559	3,392			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	3	548,844			\$28,887					
	Contractor			7,268			383				
	Material			570	330						
	Overhead			2,217	93			108			
PRP.2734.Jackson Pearl.FY20	Replace 430 ft of 6" Epoxy, 648 ft of 2" Bare Steel, 773 ft of 4" Epoxy, 2,885 ft of 6" Mill Wrap Bare Joint, 2,234 ft of 2" Epoxy, 767 ft of 1.25" Epoxy, 1,592 ft of 4" Bare Steel, 2,500 ft of 6" Bare Steel, with 6,629 ft of 2" and 6,400 ft of 6" IP HDPE. 62 Services.	62	1,185,839			\$62,413					
	Contractor			150,195			7,905				
	Material			11,780	6,820						
	Overhead			45,823	1,929			2,236			

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

2020 PROJECT DETAILS

Projects	Project Description	No. of services	Installation			Cost of Removal			Retirements		
			Main	Services	Meters	Main	Services	Meters	Main	Services	Meters
PRP.2734.KY 383 Franklin.FY20	Replace 2,891 ft of 6" Bare Steel with 3,011 ft of 6" HDPE. 29 Services	29	280,785			\$14,778					
	Contractor			70,253				3,698			
	Material			5,510	3,190						
	Overhead			21,433	902			1,046			
PRP.2735.Lexington Ave.FY20	Replace 324 ft of 6" Epoxy, 1,970 ft of 2" Epoxy, 895 ft of 2" PE, 3,001 ft of 2" Bare Steel, 8 ft of FBE, 2,983 ft of 6" Bare Steel, 2,109 ft of 3" Bare Steel IP. Install 8,510 ft of 2", 1,305 ft of 4" and 3,124 ft of 6" HDPE. 134 Services.	134	1,314,143			\$69,165					
	Contractor			324,615				17,085			
	Material			25,460	14,740						
	Overhead			99,036	4,170			4,833			
PRP.2735.Woodsonville.FY20	Replace 250 ft of 2" Epoxy, 298 ft of 1.25" Epoxy, 186 ft of 1.25" Hot Tar, 144 ft of 2" Mill Wrap, 42 ft of 2" Hot Tar, 1,220 ft of 1.5" Bare Steel, 125 ft of 1.5" Epoxy, 127 ft of 1" Hot Tar. Install 1,504 ft of 2" and 944 ft of 4" IP HDPE. 8 Services.	8	277,230			\$14,591					
	Contractor			19,380				1,020			
	Material			1,520	880						
	Overhead			5,913	249			289			
PRP.2737.Hwy150	Replace 4,750 ft 4" Bare Stl,IP with 6" PE IP & 1,525 ft 2" Bare IP Stl. with 2" PE IP. 40 Services	40	703,707			\$37,037					
	Contractor			96,900				5,100			
	Material			7,600	4,400						
	Overhead			29,563	1,245			1,443			
PRP.2737.KY 52-Danville St.FY20	Replace 2,813 ft of 6" Mill Wrap - Bare Joint, 464 ft of 4" Mill Wrap - Bare Joint, and 2,128 ft of 2" Mill Wrap - Bare Joint, with 2,231 ft of 2" and 2,796 ft of 6" IP HDPE., 56 Services	56	978,263			\$51,488					
	Contractor			135,660				7,140			
	Material			10,640	6,160						
	Overhead			41,388	1,743			2,020			
PRP.2738.McCord St.FY20	Replace 39 ft of 1.25" Steel unknown coating, 372 ft of 2" Hot Tar, 1,537 ft of 2" Epoxy, 279 ft of 6" 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	180	1,479,597			\$77,874					
	Contractor			436,050				22,950			
	Material			34,200	19,800						
	Overhead			133,034	5,601			6,493			
PRP.2738.W High St Lebanon.FY20	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, 638 ft of 2" Hot Tar, 205 ft of 1.25" Painted 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 .75" 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	235	1,406,462			\$74,024					
	Contractor			569,288				29,963			
	Material			44,650	25,850						
	Overhead			173,683	7,313			8,476			
PRP.2738.W Walnut Lebon.FY20	Replace 153 ft of 1.25" Bare Steel, 3,999 ft of 4" 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					
	Contractor			460,275				24,225			
	Material			36,100	20,900						
	Overhead			140,424	5,913			6,853			
PRP.2734.Misc company crew	PRP work done throughout the FY with company crews.	-	299,626			\$15,770					
	Contractor			-				-			
	Material			-				-			
	Overhead			-				-			
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 budgeted 2020 projects			17,785,635	8,506,495	358,168	936,086	415,150	\$3,487,667	2,198,833	146,324	

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

2021 PROJECT DETAILS

Projects	Project Description	No. of services	Installation			Cost of Removal			Retirements		
			Main	Services	Meters	Main	Services	Meters	Main	Services	Meters
PRP.2635.Maple Ave	Replace 1,268 ft. of 2" Epoxy, 527 ft. of 1.25 Bare 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 3" Bare Stl., 130 ft. of 1.25 PE. Install 6,610 ft. of 2" PE. 123 Services	123	554,733			\$29,196					
	Contractor			377,426			19,865				
	Material			46,740	18,573						
	Overhead			126,613	5,544		5,930				
PRP.2635.Princeton North	Replace 28 ft. of 2" Mill Wrap, 286 ft. of 1.25 Epoxy, 828 ft. of 2 ft, 461 ft. of 1.25 Bare Stl., 6,718 ft. of 2" Bare Stl., 912 ft. of 4" Epoxy, 736 ft. of 2" Epoxy, 435 ft. of 4" Bare Stl., 71 ft. of 1" Bare Stl., 687 ft. of 1.25 N/A Plastic, 2,289 ft. of 3" Bare Stl., and 110 ft. of Epoxy. Install 7,061 ft. of 2" and 4,115 ft. of 4" HDPE. 162 Services	162	872,575			\$45,925					
	Contractor			497,097			26,163				
	Material			61,560	24,462						
	Overhead			166,759	7,302		7,810				
PRP.2635.W Main St	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, 3,913 ft. of 2" Bare Stl., 117 ft. of MDPE 2", 793 ft. of 4" Bare Stl., 317 ft. of 4" Epoxy. Install 7,454 ft. of 2" and 1,222 ft. of 4" HDPE. 145 Services	145	812,302			\$42,753					
	Contractor			444,933			23,418				
	Material			55,100	21,895						
	Overhead			149,260	6,536		6,990				
PRP.2636.14th St	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 ft. of 1.25" Epoxy, 387 ft. of 2" Mill Wrap, 75 ft. of 2" Bare Steel, 233 ft. of 4" Bare Steel, 79 ft. of 3" Bare 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, 315 ft. of 6" Epoxy, 352 ft. of 2" Fusion Bonded Epoxy IP. Install 4,266 ft. of 2", 228 ft. of 4" and 2,750 ft. of 8" IP HDPE. 50 Services	50	869,599			\$45,768					
	Contractor			153,425			8,075				
	Material			19,000	7,550						
	Overhead			51,469	2,254		2,410				
PRP.2636.25th-Clay	Replace 444 ft. of 8" Mill Wrap Bare Joint, 290 ft. of 6" Epoxy, 539 ft. of 6" Bare Steel IP. Install 444 ft. of 4" PE and 820 ft. of 6" IP PE. 18 Services	18	167,451			\$8,813					
	Contractor			55,233			2,907				
	Material			6,840	2,718						
	Overhead			18,529	811		868				
PRP.2636.McCulloch	Replace 751 ft. of 2" Hot Tar IP. Install 751 ft. of 2" IP HDPE. 18 Services	18	67,585			\$3,557					
	Contractor			55,233			2,907				
	Material			6,840	2,718						
	Overhead			18,529	811		868				
PRP.2636.Sycamore St	Replace 394 ft. of 1.25" Epoxy, 69 ft. of 2" Unknown Coating, 2,233 ft. of 8" Hot tar, 571 ft. of 2" Mill Wrap, 102 ft. of 8" Mill Wrap bare Joint IP. Install 700 ft. of 2" and 3,025 ft. of 8" IP HDPE. 48 Services	48	490,567			\$25,819					
	Contractor			147,288			7,752				
	Material			18,240	7,248						
	Overhead			49,410	2,164		2,314				
PRP.2637.Bridge St Ph. 2	Replace 299 ft. of 6" Bare Steel, 1,382 ft. of 6" Mill Wrap Bare Joint, 1 ft. of 2" Epoxy, 76 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 6,536 ft. of 2" and 2,265 ft. of 6" HDPE. 140 Services	140	788,703			\$41,511					
	Contractor			429,590			22,610				
	Material			53,200	21,140						
	Overhead			144,113	6,310		6,749				
PRP.2637.Broad St	Replace 2 ft. of 2" Epoxy, 3,767 ft. of 6" Mill Wrap Bare Joint, 1,786 ft. of 2" Mill Wrap Bare Joint, 166 ft. of 2" PE, 5 ft. of Fusion Bond Epoxy, 308 ft. of 3" Mill Wrap Bare Joint, 825 ft. of 2" Mill Wrap IP. Install 3,223 ft. of 2" and 3,807 ft. of 6" IP HDPE. 60 Services	60	698,197			\$36,747					
	Contractor			184,110			9,690				
	Material			22,800	9,060						
	Overhead			61,763	2,704		2,892				
PRP.2637.Hill St	Replace 60 ft. of 2" Steel Unknown Coating, 6,753 ft. of 2" Mill Wrap Bare Joint, 150 ft. of 2" Bare Steel, 93 ft. of 2" Fusion Bonded Epoxy, 843 ft. of 2" Epoxy, 805 ft. of 2" PE, 34 ft. of 4" Mill Wrap Bare Joint IP. Install 8,738 ft. of 2" IP HDPE. 188 Services	188	621,401			\$32,705					
	Contractor			576,878			30,362				
	Material			71,440	28,388						
	Overhead			193,523	8,474		9,063				
PRP.2637.S 3rd St	Replace 33 ft. of 2" Epoxy, 6 ft. of 6" Bare, 709 ft. of 2" Mill Wrap Bare Joint, 734 ft. of 2" Fusion Bonded Epoxy, 1 ft. of 4" Epoxy, 4,042 ft. of 6" Mill Wrap Bare Joint, 3 ft. of 6" Epoxy, 666 ft. of 2" Mill Wrap IP. Install 2,174 ft. of 2" and 4,039 ft. of 6" IP HDPE. 33 Services	33	672,051			\$35,371					
	Contractor			101,261			5,330				
	Material			12,540	4,983						
	Overhead			33,969	1,487		1,591				

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KENTUCKY PIPE REPLACEMENT PROGRAM
SURCHARGE CALCULATION OF FORCASTED ACTIVITY**

2021 PROJECT DETAILS

Projects	Project Description	No. of services	Installation			Cost of Removal			Retirements		
			Main	Services	Meters	Main	Services	Meters	Main	Services	Meters
PRP.2734.4th St	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 Services.	18	903,938				\$47,576				
				Contractor	55,233			2,907			
				Material	6,840	2,718					
				Overhead	18,529	811		868			
PRP.2734.Brick St Franklin	Replace 204 ft. of 2" Epoxy, 542 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. 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				
				Contractor	245,480			12,920			
				Material	30,400	12,080					
				Overhead	82,350	3,606		3,857			
PRP.2734.E 3rd Russellville	Replace 518 ft. of 1" Bare Steel, 5 ft. of 2" HDPE, 7 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. 101 Services	101	544,050				\$28,634				
				Contractor	309,919			16,312			
				Material	38,380	15,251					
				Overhead	103,967	4,552		4,869			
PRP.2734.Gayle Way	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" 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				
				Contractor	171,836			9,044			
				Material	21,280	8,456					
				Overhead	57,645	2,524		2,700			
PRP.2734.High St Alley	Replace 2,516 ft. of 6" Bare Stl, 328 ft. of 6" Epoxy 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	1,140	453					
				Overhead	3,088	135		145			
PRP.2734.LP W.KY Ave Franklin	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 HDPE. 137 Services	137	862,370				\$45,388				
				Contractor	420,385			22,126			
				Material	52,060	20,687					
				Overhead	141,025	6,175		6,604			
PRP.2734.Pearl - Boat Lndg	Replace 1,305 ft. of 2" Bare Steel , 154 ft. of 2" PE and 187 ft. of 2" Steel. Install 1,434 ft. of 2" IP HDPE. 6 Services	6	141,855				\$7,466				
				Contractor	18,411			969			
				Material	2,280	906					
				Overhead	6,176	270		289			
PRP.2734.Sycamore St	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 new TB Station. 34 Services	34	853,452				\$44,919				
				Contractor	104,329			5,491			
				Material	12,920	5,134					
				Overhead	34,999	1,532		1,639			
PRP.2734.Grandview Ave	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" and 1,637 ft. of 4" IP HDPE. 104 Services	104	700,151				\$36,850				
				Contractor	319,124			16,796			
				Material	39,520	15,704					
				Overhead	107,055	4,688		5,014			
PRP.2735.Hiseville	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 Services	62	497,159				\$26,166				
				Contractor	190,247			10,013			
				Material	23,560	9,362					
				Overhead	63,821	2,795		2,989			

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2021 PROJECT DETAILS

Projects	Project Description	No. of services	Installation			Cost of Removal			Retirements		
			Main	Services	Meters	Main	Services	Meters	Main	Services	Meters
PRP.2735.Oakland	Replace 19 ft. of 2" PE, 638 ft. of 1.25" Bare Steel, 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" and 2,700 ft. of 4" IP HDPE. Replace TBS. 27 Services	27	462,822			\$24,359					
	Contractor			82,850			4,361				
	Material			10,260	4,077						
	Overhead			27,793	1,217						1,302
PRP.2735.Rowletts	Replace 3,060 ft. of 2" Bare Steel, 372 ft. of 2" Hot Tar, 987 ft. of 2" Mill Wrap, 105 ft. of 2" PE, 837 ft. of 2" Epoxy IP. Install 5,360 ft. of 2" IP HDPE. 42 Services	42	436,494			\$22,973					
	Contractor			128,877			6,783				
	Material			15,960	6,342						
	Overhead			43,234	1,893						2,025
PRP.2737.Danville Ave	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					
	Contractor			312,987			16,473				
	Material			38,760	15,402						
	Overhead			104,996	4,597						4,917
PRP.2737.Hill Ct Lancaster	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	43	248,881			\$13,099					
	Contractor			131,946			6,945				
	Material			16,340	6,493						
	Overhead			44,263	1,938						2,073
PRP.2737.Ledford Ln Lancaster	Replace 310 ft. of 2" unknown coating, 49 ft. of 2" Mill Wrap, 158 ft. of 2" Bare Stl., 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	48	488,042			\$25,686					
	Contractor			147,288			7,752				
	Material			18,240	7,248						
	Overhead			49,410	2,164						2,314
PRP.2737.W Broadway	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					
	Contractor			92,055			4,845				
	Material			11,400	4,530						
	Overhead			30,881	1,352						1,446
PRP.2738.Perryville Rd	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	211	1,126,874			\$59,309					
	Contractor			647,454			34,077				
	Material			80,180	31,861						
	Overhead			217,199	9,511						10,172
Total specific budgeted projects & bare steel functional			16,583,188	9,354,286	409,598	872,799	438,079				
Non specific bare steel functional				329,948	14,447		15,452				
Total budgeted 2021 projects			16,583,188	9,684,233	424,045	872,799	453,532	\$4,105,719	2,352,236	152,091	