

IURC
PUBLIC'S
EXHIBIT NO. 3
6-15-21 AT
DATE REPORTER

**PUBLIC'S EXHIBIT NO. 3
GCA 34 STATISTICAL CALCULATIONS**

**CAUSE NO. 44147 GCA 34
OHIO VALLEY GAS CORPORATION AND OHIO VALLEY GAS INC.**

GENERAL INFORMATION:

Petition Filed: May 7, 2021
Update Filed: May 27, 2021
Hearing Date: June 15, 2021
Estimation Months: July through September 2021
Reconciliation Months: December 2020 through February 2021
Pipeline Transporters: ANR Pipeline
Texas Gas Transmission, LLC

ESTIMATION INFORMATION:

<u>July-21</u>	Volumes in Dth	Commodity Cost per Dth	Percent of Total
Physically Hedged Purchases	13,033	\$2.6651	49.00%
Index Purchases	12,563	\$3.0762	47.24%
Unnominated Seasonal Gas Borrowings	0	\$0.0000	0.00%
Storage Withdrawals	1,000	\$2.1170	3.76%
Gross Purchases	26,596	\$2.8388	100.00%
Unnominated Seasonal Gas Paybacks	0	\$0.0000	
Storage Injections	0	\$0.0000	
Net Purchases	26,596	\$2.8388	
<u>August-21</u>			
Physically Hedged Purchases	14,026	\$2.6879	48.94%
Index Purchases	13,634	\$3.1201	47.57%
Unnominated Seasonal Gas Borrowings	0	\$0.0000	0.00%
Storage Withdrawals	1,000	\$2.1170	3.49%
Gross Purchases	28,660	\$2.8737	100.00%
Unnominated Seasonal Gas Paybacks	0	\$0.0000	
Storage Injections	0	\$0.0000	
Net Purchases	28,660	\$2.8737	
<u>September-21</u>			
Physically Hedged Purchases	22,550	\$2.7493	51.60%
Index Purchases	21,153	\$3.1610	48.40%
Unnominated Seasonal Gas Borrowings	0	\$0.0000	0.00%
Storage Withdrawals	0	\$0.0000	0.00%
Gross Purchases	43,703	\$2.9485	100.00%
Unnominated Seasonal Gas Paybacks	0	\$0.0000	
Storage Injections	0	\$0.0000	
Net Purchases	43,703	\$2.9485	
<u>Quarterly Total</u>			
Physically Hedged Purchases	49,609	\$2.7098	50.13%
Index Purchases	47,350	\$3.1267	47.85%
Unnominated Seasonal Gas Borrowings	0	\$0.0000	0.00%
Storage Withdrawals	2,000	\$2.1170	2.02%
Gross Purchases	98,959	\$2.8973	100.0%
Unnominated Seasonal Gas Paybacks	0	\$0.0000	
Storage Injections	0	\$0.0000	
Net Purchases	98,959	\$2.8973	

Estimated Quarterly Sales (Dth):

98,959

BILL COMPARISONS
PROPOSED VS. CURRENTLY APPROVED GCA FACTORS

ANR

Applicant's Requested GCA Factor (\$/Dth) - July 2021	\$9.811
Current Commission Approved GCA Factor (GCA 33 - May 2021)	4.925
Increase (Decrease)	<u>\$4.886</u>

Consumption Dth	Bill at Proposed Factor	Bill at Current Factor	Increase (Decrease)	Percent Change
5	\$84.78	\$60.34	\$24.44	40.50%
10	\$154.80	\$105.94	\$48.86	46.12%
15	\$224.83	\$151.53	\$73.30	48.37%
20	\$294.85	\$197.13	\$97.72	49.57%
25	\$364.88	\$242.72	\$122.16	50.33%

Texas Gas

Applicant's Requested GCA Factor (\$/Dth) - July 2021	\$9.811
Current Commission Approved GCA Factor (GCA 33 - May 2021)	4.925
Increase (Decrease)	<u>\$4.886</u>

Consumption Dth	Bill at Proposed Factor	Bill at Current Factor	Increase (Decrease)	Percent Change
5	\$87.54	\$63.11	\$24.43	38.71%
10	\$160.34	\$111.48	\$48.86	43.83%
15	\$233.13	\$159.84	\$73.29	45.85%
20	\$305.92	\$208.20	\$97.72	46.94%
25	\$378.72	\$256.56	\$122.16	47.61%

Inc.

Applicant's Requested GCA Factor (\$/Dth) - July 2021	\$9.811
Current Commission Approved GCA Factor (GCA 33 - May 2021)	4.925
Increase (Decrease)	<u>\$4.886</u>

Consumption Dth	Bill at Proposed Factor	Bill at Current Factor	Increase (Decrease)	Percent Change
5	\$86.16	\$61.73	\$24.43	39.58%
10	\$157.56	\$108.70	\$48.86	44.95%
15	\$228.97	\$155.68	\$73.29	47.08%
20	\$300.38	\$202.65	\$97.73	48.23%
25	\$371.78	\$249.63	\$122.15	48.93%

BILL COMPARISONS
PROPOSED VS. CURRENTLY APPROVED GCA FACTORS

ANR

Applicant's Requested GCA Factor (\$/Dth) - August 2021	\$9.340
Current Commission Approved GCA Factor (GCA 33 - May 2021)	4.925
Increase (Decrease)	<u>\$4.415</u>

Consumption Dth	Bill at Proposed Factor	Bill at Current Factor	Increase (Decrease)	Percent Change
5	\$82.42	\$60.34	\$22.08	36.59%
10	\$150.09	\$105.94	\$44.15	41.67%
15	\$217.76	\$151.53	\$66.23	43.71%
20	\$285.43	\$197.13	\$88.30	44.79%
25	\$353.10	\$242.72	\$110.38	45.48%

Texas Gas

Applicant's Requested GCA Factor (\$/Dth) - August 2021	\$9.340
Current Commission Approved GCA Factor (GCA 33 - May 2021)	4.925
Increase (Decrease)	<u>\$4.415</u>

Consumption Dth	Bill at Proposed Factor	Bill at Current Factor	Increase (Decrease)	Percent Change
5	\$85.19	\$63.11	\$22.08	34.99%
10	\$155.63	\$111.48	\$44.15	39.60%
15	\$226.07	\$159.84	\$66.23	41.44%
20	\$296.50	\$208.20	\$88.30	42.41%
25	\$366.94	\$256.56	\$110.38	43.02%

Inc.

Applicant's Requested GCA Factor (\$/Dth) - August 2021	\$9.340
Current Commission Approved GCA Factor (GCA 33 - May 2021)	4.925
Increase (Decrease)	<u>\$4.415</u>

Consumption Dth	Bill at Proposed Factor	Bill at Current Factor	Increase (Decrease)	Percent Change
5	\$83.80	\$61.73	\$22.07	35.75%
10	\$152.85	\$108.70	\$44.15	40.62%
15	\$221.91	\$155.68	\$66.23	42.54%
20	\$290.96	\$202.65	\$88.31	43.58%
25	\$360.01	\$249.63	\$110.38	44.22%

BILL COMPARISONS
PROPOSED VS. CURRENTLY APPROVED GCA FACTORS

ANR

Applicant's Requested GCA Factor (\$/Dth) - September 2021	\$7.145
Current Commission Approved GCA Factor (GCA 33 - May 2021)	4.925
Increase (Decrease)	<u>\$2.220</u>

Consumption Dth	Bill at Proposed Factor	Bill at Current Factor	Increase (Decrease)	Percent Change
5	\$71.45	\$60.34	\$11.11	18.41%
10	\$128.14	\$105.94	\$22.20	20.96%
15	\$184.84	\$151.53	\$33.31	21.98%
20	\$241.53	\$197.13	\$44.40	22.52%
25	\$298.23	\$242.72	\$55.51	22.87%

Texas Gas

Applicant's Requested GCA Factor (\$/Dth) - September 2021	\$7.145
Current Commission Approved GCA Factor (GCA 33 - May 2021)	4.925
Increase (Decrease)	<u>\$2.220</u>

Consumption Dth	Bill at Proposed Factor	Bill at Current Factor	Increase (Decrease)	Percent Change
5	\$74.21	\$63.11	\$11.10	17.59%
10	\$133.68	\$111.48	\$22.20	19.91%
15	\$193.14	\$159.84	\$33.30	20.83%
20	\$252.60	\$208.20	\$44.40	21.33%
25	\$312.07	\$256.56	\$55.51	21.64%

Inc.

Applicant's Requested GCA Factor (\$/Dth) - September 2021	\$7.145
Current Commission Approved GCA Factor (GCA 33 - May 2021)	4.925
Increase (Decrease)	<u>\$2.220</u>

Consumption Dth	Bill at Proposed Factor	Bill at Current Factor	Increase (Decrease)	Percent Change
5	\$72.83	\$61.73	\$11.10	17.98%
10	\$130.90	\$108.70	\$22.20	20.42%
15	\$188.98	\$155.68	\$33.30	21.39%
20	\$247.06	\$202.65	\$44.41	21.91%
25	\$305.13	\$249.63	\$55.50	22.23%

BILL COMPARISONS
PROPOSED VS. PRIOR YEAR APPROVED GCA FACTORS

ANR

Applicant's Requested GCA Factor (\$/Dth) - July 2021	\$9.811
Prior Year Commission Approved GCA Factor (GCA 30 - July 2020)	8.043
Increase (Decrease)	<u>\$1.768</u>

Consumption Dth	Bill at Proposed Factor	Bill at Prior Year Factor	Increase (Decrease)	Percent Change
5	\$84.78	\$76.31	\$8.47	11.10%
10	\$154.80	\$137.87	\$16.93	12.28%
15	\$224.83	\$199.42	\$25.41	12.74%
20	\$294.85	\$260.98	\$33.87	12.98%
25	\$364.88	\$322.54	\$42.34	13.13%

Texas Gas

Applicant's Requested GCA Factor (\$/Dth) - July 2021	\$9.811
Prior Year Commission Approved GCA Factor (GCA 30 - July 2020)	8.043
Increase (Decrease)	<u>\$1.768</u>

Consumption Dth	Bill at Proposed Factor	Bill at Prior Year Factor	Increase (Decrease)	Percent Change
5	\$87.54	\$79.08	\$8.46	10.70%
10	\$160.34	\$143.41	\$16.93	11.81%
15	\$233.13	\$207.73	\$25.40	12.23%
20	\$305.92	\$272.06	\$33.86	12.45%
25	\$378.72	\$336.39	\$42.33	12.58%

Inc.

Applicant's Requested GCA Factor (\$/Dth) - July 2021	\$9.811
Prior Year Commission Approved GCA Factor (GCA 30 - July 2020)	8.043
Increase (Decrease)	<u>\$1.768</u>

Consumption Dth	Bill at Proposed Factor	Bill at Prior Year Factor	Increase (Decrease)	Percent Change
5	\$86.16	\$77.69	\$8.47	10.90%
10	\$157.56	\$140.63	\$16.93	12.04%
15	\$228.97	\$203.57	\$25.40	12.48%
20	\$300.38	\$266.51	\$33.87	12.71%
25	\$371.78	\$329.45	\$42.33	12.85%

BILL COMPARISONS
PROPOSED VS. PRIOR YEAR APPROVED GCA FACTORS

ANR

Applicant's Requested GCA Factor (\$/Dth) - August 2021	\$9.340
Prior Year Commission Approved GCA Factor (GCA 30 - August 2020)	8.350
Increase (Decrease)	<u>\$0.990</u>

Consumption Dth	Bill at Proposed Factor	Bill at Prior Year Factor	Increase (Decrease)	Percent Change
5	\$82.42	\$77.48	\$4.94	6.38%
10	\$150.09	\$140.22	\$9.87	7.04%
15	\$217.76	\$202.95	\$14.81	7.30%
20	\$285.43	\$265.68	\$19.75	7.43%
25	\$353.10	\$328.41	\$24.69	7.52%

Texas Gas

Applicant's Requested GCA Factor (\$/Dth) - August 2021	\$9.340
Prior Year Commission Approved GCA Factor (GCA 30 - August 2020)	8.350
Increase (Decrease)	<u>\$0.990</u>

Consumption Dth	Bill at Proposed Factor	Bill at Prior Year Factor	Increase (Decrease)	Percent Change
5	\$85.19	\$80.25	\$4.94	6.16%
10	\$155.63	\$145.76	\$9.87	6.77%
15	\$226.07	\$211.26	\$14.81	7.01%
20	\$296.50	\$276.76	\$19.74	7.13%
25	\$366.94	\$342.26	\$24.68	7.21%

Inc.

Applicant's Requested GCA Factor (\$/Dth) - August 2021	\$9.340
Prior Year Commission Approved GCA Factor (GCA 30 - August 2020)	8.350
Increase (Decrease)	<u>\$0.990</u>

Consumption Dth	Bill at Proposed Factor	Bill at Prior Year Factor	Increase (Decrease)	Percent Change
5	\$83.80	\$78.87	\$4.93	6.25%
10	\$152.85	\$142.98	\$9.87	6.90%
15	\$221.91	\$207.10	\$14.81	7.15%
20	\$290.96	\$271.21	\$19.75	7.28%
25	\$360.01	\$335.33	\$24.68	7.36%

BILL COMPARISONS
PROPOSED VS. PRIOR YEAR APPROVED GCA FACTORS

ANR

Applicant's Requested GCA Factor (\$/Dth) - September 2021	\$7.145
Prior Year Commission Approved GCA Factor (GCA 30 - September 2020)	8.109
Increase (Decrease)	<u><u>(\$0.964)</u></u>

Consumption Dth	Bill at Proposed Factor	Bill at Prior Year Factor	Increase (Decrease)	Percent Change
5	\$71.45	\$76.28	(\$4.83)	-6.33%
10	\$128.14	\$137.81	(\$9.67)	-7.02%
15	\$184.84	\$199.33	(\$14.49)	-7.27%
20	\$241.53	\$260.86	(\$19.33)	-7.41%
25	\$298.23	\$322.39	(\$24.16)	-7.49%

Texas Gas

Applicant's Requested GCA Factor (\$/Dth) - September 2021	\$7.145
Prior Year Commission Approved GCA Factor (GCA 30 - September 2020)	8.109
Increase (Decrease)	<u><u>(\$0.964)</u></u>

Consumption Dth	Bill at Proposed Factor	Bill at Prior Year Factor	Increase (Decrease)	Percent Change
5	\$74.21	\$79.05	(\$4.84)	-6.12%
10	\$133.68	\$143.35	(\$9.67)	-6.75%
15	\$193.14	\$207.64	(\$14.50)	-6.98%
20	\$252.60	\$271.94	(\$19.34)	-7.11%
25	\$312.07	\$336.24	(\$24.17)	-7.19%

Inc.

Applicant's Requested GCA Factor (\$/Dth) - September 2021	\$7.145
Prior Year Commission Approved GCA Factor (GCA 30 - September 2020)	8.109
Increase (Decrease)	<u><u>(\$0.964)</u></u>

Consumption Dth	Bill at Proposed Factor	Bill at Prior Year Factor	Increase (Decrease)	Percent Change
5	\$72.83	\$77.66	(\$4.83)	-6.22%
10	\$130.90	\$140.57	(\$9.67)	-6.88%
15	\$188.98	\$203.48	(\$14.50)	-7.13%
20	\$247.06	\$266.39	(\$19.33)	-7.26%
25	\$305.13	\$329.30	(\$24.17)	-7.34%

ANALYSIS OF APPLICANT'S SCHEDULE 6 VARIANCE CALCULATIONS

GCA	22	22	23	23	23	24	24	24	25	25	25	26
Month	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18
Actual Gas Cost	2,901,026	2,249,359	1,337,821	1,028,596	258,589	199,252	242,052	284,025	284,492	503,646	1,376,872	2,294,341
Variance	(114,356)	45,626	64,229	(149,049)	16,202	(21,772)	3,395	(48,176)	(31,847)	44,105	(123,122)	134,004
Monthly % Variance	-3.94%	2.03%	4.80%	-14.49%	6.27%	-10.93%	1.40%	-16.96%	-11.19%	8.76%	-8.94%	5.84%
12 Mo. Avg.	2.47%	1.10%	0.62%	-1.75%	-2.07%	-3.30%	-3.39%	-1.73%	-1.46%	-2.24%	-2.65%	-1.39%
GCA	26	26	27	27	27	28	28	28	29	29	29	30
Month	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19
Actual Gas Cost	2,327,562	1,792,246	1,608,501	814,435	250,396	223,167	212,419	226,765	236,815	453,035	1,290,912	1,837,822
Variance	(82,159)	(347,760)	(70,106)	(74,409)	51,870	(30,914)	(35,940)	(84,038)	(35,977)	82,248	(56,321)	(44,291)
Monthly % Variance	-3.53%	-19.40%	-4.36%	-9.14%	20.72%	-13.85%	-16.92%	-37.06%	-15.19%	18.15%	-4.36%	-2.41%
12 Mo. Avg.	-1.20%	-4.54%	-5.54%	-5.02%	-4.73%	-4.79%	-5.13%	-5.46%	-5.51%	-5.22%	-4.68%	-6.46%
GCA	30	30	31	31	31	32	32	32	33	33	33	34
Month	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20
Actual Gas Cost	1,802,302	1,590,740	1,326,852	499,754	321,719	195,643	204,267	246,957	301,641	517,434	1,129,160	1,698,646
Variance	42,859	(15,211)	44,414	(7,920)	(21,965)	(44,474)	(43,664)	(48,939)	(52,431)	(19,388)	35,746	(6,676)
Monthly % Variance	2.38%	-0.96%	3.35%	-1.58%	-6.83%	-22.73%	-21.38%	-19.82%	-17.38%	-3.75%	3.17%	-0.39%
12 Mo. Avg.	-5.61%	-2.56%	-1.52%	-0.90%	-1.63%	-1.77%	-1.85%	-1.49%	-1.65%	-2.64%	-1.76%	-1.40%
GCA	34	34	35	35	35	36	36	36	37	37	37	38
Month	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21
Actual Gas Cost	2,021,191	2,021,261										
Variance	32,751	6,327										
Monthly % Variance	1.62%	0.31%										
12 Mo. Avg.	-1.47%	-1.20%										

Note: Actual Gas Cost comes from Incremental Gas Cost on line 7 of Schedule 6, and Variance comes from Gas Cost Variance on line 13 of Schedule 6.