

IURC
PUBLIC'S
EXHIBIT NO. 3
DATE 7-9-21 REPORTER LP

**PUBLIC'S EXHIBIT NO. 3
GCA 150 STATISTICAL CALCULATIONS**

**CAUSE NO. 37440 GCA 150
MIDWEST NATURAL GAS CORPORATION**

GENERAL INFORMATION:

Petition Filed: May 19, 2021
Update Filed: June 8, 2021
Hearing Date: July 9, 2021
Estimation Months: August through October 2021
Reconciliation Months: January through March 2021
Pipeline Transporters: Texas Gas Transmission, LLC
Texas Eastern Transmission Corporation

ESTIMATION INFORMATION:

<u>August-21</u>	<u>Volumes in Dth</u>	<u>Commodity Cost per Dth</u>	<u>Percent of Total</u>
Fixed Purchases	7,500	\$2.6867	21.4%
Spot Gas Purchases	27,500	\$3.0690	78.6%
Storage Gas - Withdrawals	0	\$0.0000	0.0%
Total Purchases and Withdrawals	<u>35,000</u>	<u>\$2.9871</u>	<u>100.0%</u>
Storage Gas - Injections	0	\$0.0000	
Net Gas Available	<u>35,000</u>	<u>\$2.9871</u>	
<u>September-21</u>			
Fixed Purchases	7,500	\$2.6867	15.3%
Spot Gas Purchases	41,500	\$3.0620	84.7%
Storage Gas - Withdrawals	0	\$0.0000	0.0%
Total Purchases and Withdrawals	<u>49,000</u>	<u>\$3.0046</u>	<u>100.0%</u>
Storage Gas - Injections	0	\$0.0000	
Net Gas Available	<u>49,000</u>	<u>\$3.0046</u>	
<u>October-21</u>			
Fixed Purchases	17,500	\$2.7114	19.4%
Spot Gas Purchases	72,500	\$3.0810	80.6%
Storage Gas - Withdrawals	0	\$0.0000	0.0%
Total Purchases and Withdrawals	<u>90,000</u>	<u>\$3.0091</u>	<u>100.0%</u>
Storage Gas - Injections	0	\$0.0000	
Net Gas Available	<u>90,000</u>	<u>\$3.0091</u>	
<u>Quarterly Total</u>			
Fixed Purchases	32,500	\$2.7000	18.7%
Spot Gas Purchases	141,500	\$3.0731	81.3%
Storage Gas - Withdrawals	0	\$0.0000	0.0%
Total Purchases and Withdrawals	<u>174,000</u>	<u>\$3.0034</u>	<u>100.0%</u>
Storage Gas - Injections	0	\$0.0000	
Net Gas Available	<u>174,000</u>	<u>\$3.0034</u>	
Estimated Quarterly Sales (Dth):			174,000

BILL COMPARISONS
PROPOSED VS. CURRENTLY APPROVED GCA FACTORS

August 2021

Petitioner's Requested GCA Factor (\$/Dth) - August 2021	\$4.1449
Current Commission Approved GCA Factor (GCA 149 - May 2021)	4.2381
Increase (Decrease)	(\$0.0932)

Consumption Dth	Bill at Proposed Factor	Bill at Current Factor	Increase (Decrease)	Percent Change
5	\$49.61	\$50.08	(\$0.47)	-0.93%
10	\$88.05	\$88.98	(\$0.93)	-1.05%
15	\$121.27	\$122.67	(\$1.40)	-1.14%
20	\$154.50	\$156.36	(\$1.86)	-1.19%
25	\$187.72	\$190.05	(\$2.33)	-1.23%

September 2021

Petitioner's Requested GCA Factor (\$/Dth) - September 2021	\$4.2451
Current Commission Approved GCA Factor (GCA 149 - May 2021)	4.2381
Increase (Decrease)	\$0.0070

Consumption Dth	Bill at Proposed Factor	Bill at Current Factor	Increase (Decrease)	Percent Change
5	\$50.11	\$50.08	\$0.04	0.07%
10	\$89.05	\$88.98	\$0.07	0.08%
15	\$122.78	\$122.67	\$0.11	0.09%
20	\$156.50	\$156.36	\$0.14	0.09%
25	\$190.23	\$190.05	\$0.17	0.09%

October 2021

Petitioner's Requested GCA Factor (\$/Dth) - October 2021	\$4.3541
Current Commission Approved GCA Factor (GCA 149 - May 2021)	4.2381
Increase (Decrease)	\$0.1160

Consumption Dth	Bill at Proposed Factor	Bill at Current Factor	Increase (Decrease)	Percent Change
5	\$50.66	\$50.08	\$0.58	1.16%
10	\$90.14	\$88.98	\$1.16	1.30%
15	\$124.41	\$122.67	\$1.74	1.42%
20	\$158.68	\$156.36	\$2.32	1.48%
25	\$192.95	\$190.05	\$2.90	1.53%

BILL COMPARISONS
PROPOSED VS. PRIOR YEAR APPROVED GCA FACTORS

August 2021

Petitioner's Requested GCA Factor (\$/Dth) - August 2021	\$4.1449
Prior Year Commission Approved GCA Factor (GCA 146 - August 2020)	2.9619
Increase (Decrease)	\$1.1830

Consumption Dth	Bill at Proposed Factor	Bill at Prior Year Factor	Increase (Decrease)	Percent Change
5	\$49.61	\$44.33	\$5.28	11.91%
10	\$88.05	\$76.66	\$11.39	14.85%
15	\$121.27	\$103.76	\$17.51	16.88%
20	\$154.50	\$130.86	\$23.64	18.07%
25	\$187.72	\$157.95	\$29.77	18.85%

September 2021

Petitioner's Requested GCA Factor (\$/Dth) - September 2021	\$4.2451
Prior Year Commission Approved GCA Factor (GCA 146 - September 2020)	3.5986
Increase (Decrease)	\$0.6465

Consumption Dth	Bill at Proposed Factor	Bill at Prior Year Factor	Increase (Decrease)	Percent Change
5	\$50.11	\$47.77	\$2.34	4.90%
10	\$89.05	\$83.54	\$5.51	6.59%
15	\$122.78	\$114.08	\$8.70	7.62%
20	\$156.50	\$144.62	\$11.89	8.22%
25	\$190.23	\$175.15	\$15.07	8.61%

October 2021

Petitioner's Requested GCA Factor (\$/Dth) - October 2021	\$4.3541
Prior Year Commission Approved GCA Factor (GCA 146 - October 2020)	3.3515
Increase (Decrease)	\$1.0026

Consumption Dth	Bill at Proposed Factor	Bill at Prior Year Factor	Increase (Decrease)	Percent Change
5	\$50.66	\$46.54	\$4.12	8.85%
10	\$90.14	\$81.07	\$9.07	11.19%
15	\$124.41	\$110.37	\$14.04	12.72%
20	\$158.68	\$139.67	\$19.01	13.61%
25	\$192.95	\$168.97	\$23.98	14.19%

ANALYSIS OF PETITIONER'S SCHEDULE 6 VARIANCE CALCULATIONS

GCA	138	138	138	139	139	139	140	140	140	141	141	141
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	1,432,055	1,108,710	933,840	603,339	206,967	186,162	194,349	210,918	229,462	449,272	1,016,306	1,200,440
Variance	(417,787)	(227,099)	(35,981)	(152,828)	(7,737)	37,557	57,570	68,483	23,927	45,574	88,710	(191,819)
Monthly % Variance	-29.17%	-20.48%	-3.85%	-25.33%	-3.74%	20.17%	29.62%	32.47%	10.43%	10.14%	8.73%	-15.98%
12 Mo. Avg.	-4.75%	-5.51%	-5.83%	-8.31%	-8.71%	-8.32%	-8.53%	-8.17%	-8.02%	-9.05%	-6.64%	-9.15%
GCA	142	142	142	143	143	143	144	144	144	145	145	145
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	1,464,003	1,031,534	980,803	398,930	240,981	103,436	177,224	203,782	185,362	416,241	864,643	885,878
Variance	(167,115)	(400,226)	(152,794)	(71,862)	12,565	(45,158)	45,941	67,431	36,665	67,292	41,202	(138,208)
Monthly % Variance	-11.41%	-38.80%	-15.58%	-18.01%	5.21%	-43.66%	25.92%	33.09%	19.78%	16.17%	4.77%	-15.60%
12 Mo. Avg.	-5.90%	-8.20%	-9.66%	-8.85%	-8.54%	-9.74%	-9.91%	-9.94%	-9.82%	-9.57%	-10.43%	-10.13%
GCA	146	146	146	147	147	147	148	148	148	149	149	149
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	948,708	815,641	592,678	374,406	254,537	160,116	176,140	178,015	243,949	423,288	656,721	1,043,818
Variance	(121,480)	(155,365)	(159,588)	(16,815)	23,472	34,022	64,556	69,254	36,185	83,836	(3,027)	(71,465)
Monthly % Variance	-12.80%	-19.05%	-26.93%	-4.49%	9.22%	21.25%	36.65%	38.90%	14.83%	19.81%	-0.46%	-6.85%
12 Mo. Avg.	-10.23%	-6.65%	-7.21%	-6.29%	-6.09%	-4.68%	-4.37%	-4.36%	-4.32%	-4.04%	-4.96%	-3.69%
GCA	150	150	150	151	151	151	152	152	152	153	153	153
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	1,119,777	1,400,913	736,527									
Variance	(236,222)	(71,754)	(144,680)									
Monthly % Variance	-21.10%	-5.12%	-19.64%									
12 Mo. Avg.	-5.48%	-3.74%	-3.44%									

Note: Actual Gas Cost comes from Incremental Cost to Recover on Schedule 6, and Variance comes from Current Gas Cost Variance on Schedule 6.