



December 31, 2019

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JAN 09 2020

PUBLIC SERVICE
COMMISSION

Jeff Derouen
Public Service Commission
211 Sower Blvd.
Frankfort, KY 40602

Re: Quarterly Report of Gas Cost Recovery Rate Calculation

Dear Mr. Derouen,

Attached please find one original and ten copies of the quarterly report of gas cost recovery rate calculation for the rates to be effective February 1, 2020. Please contact me at (714) 242 – 4064 or jirwin@navitasutility.com with questions or comments regarding this filing.

We are using average sales beginning 2015.

Sincerely,

A handwritten signature in black ink, appearing to read "Joseph M Irwin Sr", is written over the word "Sincerely,".

Joseph M Irwin Sr

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Quarterly Report
 Gas cost recovery rate calculation

Navitas KY NG, LLC

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JAN 09 2020

PUBLIC SERVICE
 COMMISSION

Period	Filing date (on or about)	Reporting Months	Effective date (& 1st forecast month)
	31-Mar	November December January	1-May
	30-Jun	February March April	1-Aug
	30-Sep	May June July	1-Nov
X	31-Dec	August September October	1-Feb

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Schedule I
Gas Cost Recovery Rate Summary

Navitas KY NG, LLC

Component	
Expected Gas Cost (EGC)	7.0000
+ Refund Adjustment (RA)	-
+ Actual Adjustment (AA)	1.7304
+ Balance Adjustment(BA)	0.0089
= Gas Cost Recovery Rate	\$ 8.7393

A. Expected Gas Cost Calculation

Total EGC	\$ 688,963.17
/ Twelve months sales	98,423
EGC	\$ 7.0000

B. Refund Adjustment Calculation

Refund Adjustment for reporting period	-
+ Previous quarter RA	-
+ Second previous quarter RA	-
+ Third previous quarter RA	-
+ Other cost adjustments	
= Refund Adjustment	\$ -

C. Actual Adjustment Calculation

Actual Adjustment for reporting period	0.8247
+ Previous quarter AA	(0.3995)
+ Second previous quarter AA	0.3828
+ Third previous quarter AA	0.9224
+ Other cost adjustments	
= Actual Adjustment	\$ 1.7304

D. Balance Adjustment Calculation

Balance Adjustment for reporting period	0.0057
+ Previous quarter BA	0.0477
+ Second previous quarter BA	(0.0149)
+ Third previous quarter BA	(0.0296)
= Balance Adjustment	\$ 0.0089

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Schedule II
Expected Gas Cost

Navitas KY NG, LLC

Supplier or NYMEX	Twelve months 2018 - 2019	Known prior years average sales in MCF	MCF/MMBtu (from supplier)	Prior year purchases in MMBtu	Forecasted price per MMBtu	Converted price per MCF	Subtotal forecasted purchases
Petrol	January	10446	1.0660	11,135	5.42	5.77	60,301.23
Petrol	February	11084	1.0670	11,827	5.42	5.78	64,045.44
Petrol	March	11282	1.0710	12,083	5.42	5.80	65,436.23
Petrol	April	9205	1.0650	9,803	5.42	5.77	53,088.64
Petrol	May	6926	1.0660	7,383	5.42	5.77	39,979.92
Petrol	June	5578	1.0630	5,929	5.42	5.76	32,107.61
Petrol	July	5064	1.0650	5,393	5.42	5.77	29,207.05
Petrol	August	5675	1.0660	6,049	5.42	5.77	32,758.18
Petrol	September	5643	1.0670	6,021	5.42	5.78	32,607.24
Petrol	October	6536	1.0680	6,981	5.42	5.78	37,803.14
Petrol	November	10361	1.0660	11,045	5.42	5.77	59,811.24
Petrol	December	10624	1.0640	11,304	5.42	5.76	61,213.44
		98,423		104,953			568,359.35

Transportation	Twelve months 2018 - 2019	Spectra (East TN) demand	B&W pipeline	B&W flow	Subtotal forecasted	Total forecasted cost
	January	1,500.00		14,797.33	16,147.33	76,448.56
	February	1,500.00		16,531.44	17,881.44	81,926.89
	March	1,500.00		17,070.54	18,420.54	83,856.76
	April	1,500.00		11,425.88	12,775.88	65,864.52
	May	1,500.00		5,232.24	6,582.24	46,562.16
	June	1,500.00		1,569.45	2,919.45	35,027.06
	July	1,500.00		174.44	1,524.44	30,731.50
	August	1,500.00		1,833.02	3,183.02	35,941.20
	September	1,500.00		1,747.59	3,097.59	35,704.84
	October	1,500.00		4,174.33	5,524.33	43,327.46
	November	1,500.00		14,566.69	15,916.69	75,727.93
	December	1,500.00		15,280.85	16,630.85	77,844.29
					120,603.82	688,963.17

divide by sales	98,423
per MCF	\$ 7.0000
multiply by allowed purchases (sales / 1)	98,423
Expected Gas Cost	\$ 688,963.17

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Schedule IV
Actual Adjustment

Navitas KY NG, LLC

	Third previous quarter			Second previous quarter			Previous quarter			Current quarter		
	Nov-18	Actual Dec-18	Jan-19	Feb-19	Actual Mar-19	Apr-19	May-19	Actual Jun-19	Jul-19	Aug-19	Actual Sep-19	Oct-19
Invoices												
Supply												
Petrol & FWM (B&W)	88,667.18	133,392.52	109,754.77	78,824.26	65,804.96	46,009.23	35,879.39	28,667.12	32,108.34	26,187.64	32,968.29	56,415.75
Transportation												
Spectra	1,644.19	1,641.37	1,648.12	1,474.72	1,468.27	1,531.24	1,649.73	1,618.84	1,058.84	1,647.49	1,130.68	1,485.83
B&W	13,562.15	13,656.06	13,637.70	39,834.15	34,733.97	25,275.39	12,571.57	8,248.47	10,705.54	10,690.67	19,708.59	34,276.30
Total cost	103,873.52	148,689.95	125,040.59	120,133.14	102,007.20	72,815.86	50,100.69	38,534.42	43,872.72	38,525.80	53,807.56	92,177.87
Sales in MCF	13,376	13,910	12,228	14,660	12,783	9,302	9,488	6,501	6,289	6,925	4,629	5,670
Cost per MCF	7.7659	10.6894	10.2258	8.1946	7.9799	7.8280	5.2804	5.9275	6.9761	5.5633	11.6240	16.2571
less ECG in effect	6.8630	6.8630	6.8630	6.8250	6.8250	6.8250	7.7163	7.7163	7.7163	6.0000	6.0000	6.0000
Delta	0.90	3.83	3.36	1.37	1.15	1.00	(2.44)	(1.79)	(0.74)	(0.44)	5.62	10.26
Monthly cost difference	12,076.78	53,225.62	41,119.82	20,078.64	14,763.22	9,329.71	(23,111.56)	(11,629.24)	(4,655.09)	(3,024.20)	26,033.56	58,157.87
			106,422.23			44,171.57			(39,395.90)			81,167.24
			115,380			115,380			98,615			98,423
	Actual Adjustment		0.9224	Actual Adjustment		0.3828	Actual Adjustment		(0.3995)	Actual Adjustment		0.8247
Allocation												
Total B&W line sales	13,707	14,156	12,461	16,501	14,529	10,112	9,600	6,671	6,368	7,024	4,739	6,208
KY%	98%	98%	98%	89%	88%	92%	99%	97%	99%	99%	98%	91%
Byrdstown/Fentress (TN)	3,309	2,461	2,331	18,414	17,463	8,101	1,115	1,700	785	991	1,103	5,377
Cost												
Petrol	67,080.09	103,945.82	79,876.71	63,312.80	52,742.40	25,548.12	15,100.63	9,725.88	16,337.40	\$ 12,079.20	\$ 23,805.98	\$ 43,246.49
Allocation	65,460.65	102,138.75	78,382.52	56,247.69	46,403.21	23,501.41	14,925.23	9,478.03	16,135.99	11,908.78	23,251.93	39,500.56
Enbridge (Old spectra)												
250	1,684.87	1,670.41	1,679.54	1,659.96	1,668.85	1,664.59	1,669.12	1,661.17	1,072.06	\$ 1,671.07	\$ 1,157.62	\$ 1,626.73
Allocation	1,644.19	1,641.37	1,648.12	1,474.72	1,468.27	1,531.24	1,649.73	1,618.84	1,058.84	1,647.49	1,130.68	1,485.83
Cost												
B&W Transport	13,897.67	13,897.67	13,897.67									
Petrol volume							3,382.00	2,219.00	2,880.00	2,876.00	5,302.00	9,221.00
Flow charge (FERC juris)				39,834.15	34,733.97	25,275.39	9,189.57	6,029.47	7,825.54	\$ 7,814.67	\$ 14,406.59	\$ 25,055.30
Allocation	13,562.15	13,656.06	13,637.70	39,834.15	34,733.97	25,275.39	12,571.57	8,248.47	10,705.54	10,690.67	19,708.59	34,276.30
Sparta (FWM) Supply	23,780.63	31,806.72	31,970.29	25,412.35	22,052.25	24,468.00	21,200.40	19,690.88	16,171.72	\$ 14,483.20	\$ 9,947.88	\$ 18,519.30
Cost	23,206.52	31,253.77	31,372.25	22,576.57	19,401.75	22,507.82	20,954.15	19,189.09	15,972.35	14,278.86	9,716.36	16,915.19
Allocation												

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Sales History

Navitas KY NG, LLC

Sales in MCF	J	F	M	A	M	J	J	A	S	O	N	D	Total
2007	3,187	5,015	1,657	1,472	961	784	327	400	379	859	1,941	2,359	19,341
2008	6,960	4,115	3,761	1,428	1,408	637	786	683	851	1,129	3,712	3,441	28,911
2009	5,621	4,445	3,436	1,575	952	680	726	669	749	1,336	1,726	5,564	27,479
2010	5,820	6,407	4,116	1,569	999	1,082	771	644	1,097	1,384	1,726	5,564	31,179
2011	5,820	6,407	2,727	1,673	1,301	1,129	739	877	810	1,253	2,602	3,335	28,674
2012	5,134	3,661	1,929	1,177	1,253	880	1,046	1,227	1,049	1,813	3,673	2,854	25,694
2013	6,073	4,304	5,380	2,531	1,603	911	810	1,047	1,051	1,618	2,334	3,906	31,568
2014	6,465	5,710	3,962	2,176	1,037	999	957	854	969	1,749	3,252	4,410	32,540
2015	9,046	11,867	13,351	9,115	8,724	6,472	6,062	5,148	5,562	7,939	8,721	7,043	99,050
2016	11,015	10,109	9,340	7,794	5,474	4,778	4,594	4,462	5,505	5,465	7,363	8,826	84,725
2017	7,634	6,393	7,774	6,650	3,981	3,459	2,704	4,983	6,437	6,306	10,869	12,716	79,906
2018	12,306	12,391	13,164	13,164	6,961	6,678	5,672	6,855	6,083	7,301	13,376	13,910	117,861
2019	12,228	14,660	12,783	9,302	9,488	6,501	6,289	6,925	4,629	5,670	11,476		99,951
Average	10,446	11,084	11,282	9,205	6,926	5,578	5,064	5,675	5,643	6,536	10,361	10,624	98,423
	117,783	120,052	119,671	115,809	118,336	118,159	118,776	118,846	113,165	114,160	116,667	117,861	

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