

BEFORE THE

INDIANA UTILITY REGULATORY COMMISSION

**PETITION OF THE BOARD OF DIRECTORS FOR)
UTILITIES OF THE DEPARTMENT OF PUBLIC)
UTILITIES OF THE CITY OF INDIANAPOLIS, AS) CAUSE NO. 37399 GCA 150
SUCCESSOR TRUSTEE OF A PUBLIC CHARITABLE)
TRUST, FOR APPROVAL OF GAS COST)
ADJUSTMENTS TO BE APPLICABLE IN THE)
MONTHS OF JUNE, JULY AND AUGUST 2021)**

**SUBMISSION OF
MONTHLY PRICE UPDATE FOR JULY 2021**

In its Order in Cause No. 37399-GCA75 dated September 4, 2002, the Commission approved a Stipulation and Settlement Agreement (“Settlement Agreement”) between the Board of Directors for Utilities of the Department of Public Utilities of the City of Indianapolis, as Successor Trustee of a Public Charitable Trust, d/b/a Citizens Gas and the Indiana Office of Utility Consumer Counselor (“OUCC”) facilitating an enhancement to the Gas Cost Adjustment mechanism as modified in accordance with the Commission's March 17, 2004 Order in Cause No. 37399-GCA75. Pursuant to the Settlement Agreement, a flex mechanism was added to the GCA that allows Citizens Gas to make adjustments to the GCA factor within a fixed, known and measurable range, on a monthly basis, through a Monthly Price Update. On August 23, 2005, Citizens Gas and the OUCC filed with the Commission the Second Amended and Restated Stipulation and Settlement Agreement to extend the term of the Agreement through GCA 98. On August 3, 2007, Citizens Gas and the OUCC filed with the Commission the Third Amended and Restated Stipulation and Settlement Agreement extending the term of the Settlement Agreement until further Order of the Commission. The Settlement Agreement provides for the filing of a Monthly Price Update during the quarterly GCA period. The Settlement Agreement also states that

the GCA factors contained in the Monthly Price Update will become effective on the first day of the upcoming calendar month, without further hearing. Additionally, in accordance with the Commission's August 27, 2014 Order in Cause No. 44374, the flex mechanism allows for adjustments to the mix of volumes between spot, fixed and storage gas purchases as long as the total volumes remain unchanged from the total monthly volume of gas approved in the applicable GCA period.

Documentation of the GCA factors and related factors for the **Monthly Price Update** for the month of July 2021 is provided herewith. Substitute One-Hundred Eighteenth Revised Page No. 501 of the Citizens Gas tariff is being submitted to the Energy Division for approval and will become effective with meters read on and after July 1, 2021.

Respectfully submitted,

/s/ David J. Wade
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Rates & Regulatory Analyst

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CERTIFICATE OF SERVICE

The undersigned hereby certifies that a copy of the Monthly Price Update for July 2021 was served upon the Office of Utility Consumer Counselor via electronic mail on June 28, 2021 to the following:

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Substitute One-Hundred Eighteenth Revised Page No. 501
Superseding Substitute One-Hundred Seventeenth Revised Page No. 501

RIDER A

CURRENT GAS SUPPLY CHARGES

Listed below are the charges applicable to the Utility's Gas Supply Services for all Therms delivered on or after July 1, 2021

1. Gas Rate No. S1 Variable Rate Supply: \$ per Therm

Gas Rate No. D1	Gas Supply Charge	\$	0.3264
Gas Rate No. D2	Gas Supply Charge	\$	0.4673
Gas Rate No. D3	Gas Supply Charge	\$	0.2687
Gas Rate No. D4	Gas Supply Charge	\$	0.3846
Gas Rate No. D5	Gas Supply Charge	\$	-
Gas Rate No. D7	Gas Supply Charge	\$	0.2649

2. Gas Rate No. S2 Back-up Gas Supply Service: \$ per Therm

Capacity	\$	0.0987
Commodity	\$	0.3120
Gas Supply Charge	\$	0.4107

3. Balancing Charges: \$ per Therm

Gas Rate No. D3	\$	0.0047	\$	0.0002	for Basic Delivery Service Option
Gas Rate No. D4	\$	0.0050	\$	0.0003	for Basic Delivery Service Option
Gas Rate No. D5	\$	0.0058	\$	0.0003	for Basic Delivery Service Option
Gas Rate No. D7	\$	0.0047			
Gas Rate No. D9	\$	0.0360	\$	0.0018	for Basic Delivery Service Option

Citizens Gas
Determination of Gas Supply Charge with Demand Cost Allocated
Estimated for July 2021

Line No.	A Demand	B Commodity and Other	C Total
<u>Estimated Cost of Gas</u>			
1	Purchased gas cost (Schedule 3, Page 2, ln 16)	\$868,523	\$5,241,297
2	PEPL Unnominated Quantities cost (Schedule 4 pg 2, ln 16 col A + ln 23)	-	629,688
3	Gas (injected into) withdrawn from storage - net cost (Schedule 5, ln 6)	(613,210)	(3,700,970)
4	Total estimated gas cost (ln 1 through ln 3)	\$255,313	\$2,170,015
5	Total Gas Supply variance (Sch 1, July, total of ln 17)	-	(272,396)
6	Total Balancing Demand variance (Sch 1 pg 2 ln 11 + Sch. 1, ln 28)		1,158
7	Dollars to be refunded (Schedule 12A, ln 16 * Sch 2B, ln 28, col. F)	-	12,895
8	Total cost to be recovered through GCA (ln 4 + ln 5 + ln 6 - ln 7)	<u>\$255,313</u>	<u>\$1,885,882</u>
9	Net Write-Off Recovery Costs (ln 8 * 1.10%)		<u>\$23,553</u>
10	Total cost to be recovered through GCA (ln. 8 + ln 9)		<u>\$2,164,748</u>

Citizens Gas
Determination of Gas Supply Charge with Demand Cost Allocated
Estimated for July 2021
To Be Applied to July 2021 Sales

Line No.		A Gas Rate No. D1	B Gas Rate No. D2	C Gas Rate No. D3/No. D7	D Gas Rate No. D4	E Gas Rate No. D5
	Calculation of Gas Supply Charge per Unit (Dth)					
11	Balancing Demand Cost Variance (Sch 12B, pg 2, ln 13 * Sch 2C, ln 23)	(\$15)	(\$1,215)	-	-	-
12	Throughput excluding Basic - Dth (Sch 2C, ln 2)	3,222	301,132	-	-	-
13	Total Balancing Demand Cost per unit of throughput (ln 11 /ln 12)	(\$0.005)	(\$0.004)	-	-	-
14	Retail demand cost per unit sales (Sch 1A, pg 2 ln 8)	0.260	0.622	0.046	0.417	-
15	Monthly balancing demand cost per unit for GR D1 & D2 only (Sch 1A, pg 2, ln 11)	0.000	0.000	-	-	-
16	Total demand cost to be recovered through GCA (ln 13 + ln 14 + ln 15)	\$0.255	\$0.618	\$0.046	\$0.417	\$0.000
17	Total Gas Supply variance (Sch 12B, pg 1, ln 15) * (Sch 2B, ln 28)	(2,156)	(157,147)	(21,523)	(91,570)	0
18	Dollars to be refunded ((ln 7) * Sch 2B, ln 24)	81	7,603	1,280	3,931	0
19	Other non-demand gas costs (ln 4, col B - ln 2, col B) * (Sch 2B, ln 24)	9,718	908,212	152,854	469,543	0
20	Total monthly non-demand costs to be recovered through Gas Supply Charge (ln 17 - ln 18 + ln 19)	\$7,481	\$743,462	\$130,051	\$374,042	\$0
21	Sales subject to GCA - Dth (Schedule 2B, ln 2)	3,222	301,132	50,681	155,684	0
22	Total monthly non-demand costs per unit sales (ln 20 / ln 21)	\$2.322	\$2.469	\$2.566	\$2.403	\$0.000
23	Net Write-Off Recovery Cost (Sch 1C, pg 2, ln 4)	0.031	0.071	0.001	\$0.013	\$0.000
24	PEPL Unnominated Quantities Retail Cost (Sch 4, pg 2 ln 8)	0.555	1.396	0.036	0.959	0.000
25	PEPL Balancing Cost for Gas Rates D1 & D2 only (Sch 4, pg 2, ln 15)	0.055	0.054	-	-	-
26	Gas Supply Charge to be recovered through GCA (ln 16 + ln 22 + ln 23 + ln 24 + ln 25)	\$3.218	\$4.608	\$2.649	\$3.792	\$0.000
27	Gas Supply Charge modified for Indiana Utility Receipts Tax (ln 26 / (1 - 1.40%))	\$3.264	\$4.673	\$2.687	\$3.846	\$0.000

Citizens Gas
Determination of Balancing Demand Charge per Unit (Dth)
Estimated for July 2021
To Be Applied to the July 2021 Throughput

Line No.		A Gas Rate No. D3/No. D7	B Gas Rate No. D4	C Gas Rate No. D5	D Gas Rate No. D9
	<u>Calculation of Balancing Demand Charge per Unit (Dth)</u>				
28	Balancing Demand Cost Variance (Sch12B, pg. 2, ln 13 * Sch 2C, ln 23)	(\$1,591)	(\$1,562)	\$467	\$5,074
29	Throughput excluding Basic - Dth (Sch 2C, ln 2)	<u>216,757</u>	<u>330,648</u>	<u>166,353</u>	<u>16,864</u>
30	Total Balancing Demand Cost variance per unit of throughput (ln 28/ ln 29)	(\$0.0073)	(\$0.0047)	\$0.0028	\$0.3009
31	Monthly balancing demand charge per unit of throughput (Sch 1A, pg 2, ln 11)	0.000	0.000	0.000	0.000
32	PEPL balancing demand charge per unit of throughput (Sch 4, pg 2, ln 15)	<u>0.0540</u>	<u>0.0540</u>	<u>0.0540</u>	<u>0.0540</u>
33	Total balancing demand charge per unit of throughput (ln 30 + ln 31 + ln 32)	<u>\$0.0467</u>	<u>\$0.0493</u>	<u>\$0.0568</u>	<u>\$0.3549</u>
34	Total balancing demand charge modified for Indiana Utilities Receipts Tax (ln 33 / (1-1.40%))	<u>\$0.047</u>	<u>\$0.050</u>	<u>\$0.058</u>	<u>\$0.360</u>

Citizens Gas
Determination of Basic Balancing Charge
Estimated for July 2021
To Be Applied to July 2021

Line No.		A Gas Rate No. D3/No. D7	B Gas Rate No. D4	C Gas Rate No. D5	D Gas Rate No. D9
	<u>Calculation of Basic Balancing Charge per unit (Dth)</u>				
35	Basic balancing charge per unit ((Sch 1, ln 30 + ln 31 + ln 32) * .05)	<u>0.0023</u>	<u>0.0025</u>	<u>0.0028</u>	<u>0.0177</u>
36	Basic balancing charge modified for Indiana Utilities Receipts Tax (ln 35/ (1-1.40%))	<u>\$0.002</u>	<u>\$0.003</u>	<u>\$0.003</u>	<u>\$0.018</u>

Citizens Gas
Determination of Back-up Gas Supply Charge
Estimated for July 2021
To Be Applied to July 2021

Line
No.

Calculation of Back-up Gas Supply Charge per unit (Dth)

37	PEPL retail demand costs for Gas Rate Nos. D3 & D4 (Sch 4, pg 2, ln 2)	\$133,440
38	Monthly retail demand costs for Gas Rate Nos. D3 & D4 (Sch 1A, pg 2, ln 6)	<u>67,302</u>
39	Total retail demand costs for Gas Rates Nos. D3 & D4 (ln 37 + ln 38)	\$200,742
40	Estimated Monthly retail sales Dths for Gas Rates D3 & D4 (Sch. 2B, line 2)	<u>206,365</u>
41	Back-up supply capacity charge per unit (ln 39 / ln 40)	<u>\$0.973</u>
42	Back-up supply capacity charge modified for Indiana Utilities Receipts Tax (ln 41 / (1-1.40%))	<u><u>\$0.987</u></u>
43	PEPL monthly variable costs for Gas Rate Nos. D3 & D4 (Sch 4, pg 2, ln 5)	\$17,613
44	Total monthly non-demand costs for Gas Rate Nos. D3 & D4 (Sch 1, ln 19 - ln 18)	<u>617,186</u>
45	Total retail non-demand costs for Gas Rates Nos. D3 & D4 (ln 43 + ln 44)	\$634,799
46	Estimated monthly retail sales Dths for Gas Rates D3 & D4 (Sch. 2B, ln 2)	<u>206,365</u>
47	Back-up supply commodity charge per unit (ln 45 / ln 46)	<u>\$3.076</u>
48	Back-up supply commodity charge modified for Indiana Utilities Receipts Tax (ln 47 / (1-1.40%))	<u><u>\$3.120</u></u>
49	Total Back-up Gas Supply Charge (ln 42 + ln 48)	<u><u>\$4.107</u></u>

Citizens Gas
Allocation of Monthly Demand Cost
July 2021

Line No.	A Gas Rate No. D1	B Gas Rate No. D2	C Gas Rate No. D3/No. D7	D Gas Rate No. D4	E Gas Rate No. D5	F Gas Rate No. D9	G Total
<u>Calculation of Demand Cost per Unit</u>							
1	Retail Peak day demand allocation factors Cause No. 37399 GCA 140	0.003153	0.740425	0.006293	0.250129	-	1.000000
2	Retail Throughput demand allocation factors Cause No. 37399 GCA 140	0.003754	0.705611	0.019399	0.271236	-	1.000000
3	Peak day / Throughput allocation factors (ln 1 * 79%) + (ln 2 * 21%)	0.003279	0.733115	0.009045	0.254561	-	1.000000
4	Monthly retail demand costs (ln 17 * ln 3)	\$837	\$187,174	\$2,309	\$64,993	-	\$255,313
5	Monthly TGT Unnom. demand costs - retail (ln 18 * 90%) * ln 3)	0	0	0	0	-	0
6	Total monthly retail demand costs (ln 4 + ln 5)	\$837	\$187,174	\$2,309	\$64,993	-	\$255,313
7	Estimated monthly retail sales- Dth (Sch 2B, ln 2)	3,222	301,132	50,681	155,684	-	510,719
8	Monthly retail demand cost per unit sales (ln 6 / ln 7)	\$0.260	\$0.622	\$0.046	\$0.417	-	\$0.500
9	Monthly balancing demand costs (ln 18 * 10%) * (Sch. 2C, ln 19)	0	0	0	0	0	0
10	Estimated monthly total throughput - Dth (Sch 2C, ln 2)	3,222	301,132	216,757	330,648	166,353	1,034,976
11	Monthly balancing demand cost per unit of throughput (ln 9 / ln 10)	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000

<u>Calculation of Monthly Demand Costs</u>		<u>Demand Cost</u>
12	Exelon Generation Company, LLC Nominated Demand Costs	\$ 933,295
13	TGT Unnominated Demand Costs	\$ -
14	IMGPA Prepay Demand Costs	\$ 93,202
15	Demand Cost (Sch 3 ln 15 col G)	\$ (157,974)
16	Demand Cost (Sch 5 ln 6 Col G)	\$ (613,210)
17	Monthly retail demand costs (ln 12 + sum(ln 14 + ln15 + ln16))	\$ 255,313
18	Unnominated Demand Costs (ln 13)	\$0
19	Total Monthly demand costs (ln 17 + ln 18)	\$ 255,313

Citizens Gas
Determination of Gas Cost Adjustment (GCA)
Estimation Period July 1, 2021 through July 31, 2021
UAF Component in Rates (\$/DTH)

Line No.		B July 2021
1	Volume of pipeline gas purchases (Sch. 3) - Dths	1,841,084
2	Volume of Gas (injected into) withdrawn from storage (See Schedule 3B) - Dths	<u>(1,319,681)</u>
3	Total volume supplied - Dths	521,403
4	Less: Gas Division usage - Dths	<u>(3,688)</u>
5	Total volume of gas available for sale - Dths (ln 3 + ln 4)	517,715
6	UAF Percentage 1.360%	<u>1.360%</u>
7	UAF Volumes - Dths (ln 5 * ln 6)	7,041
8	Average Commodity Rate - Schedule 3A	<u>\$2.8469</u>
9	UAF Costs (ln7 * ln8)	\$20,045
10	Schedule 2B Retail sales volumes	<u>510,719</u>
11	UAF Component in rates - \$ per Dth (ln9 / ln10) 1/	\$0.0392

1/ For informational purposes only.

Citizens Gas
Allocation of Net Write-Off Recovery Cost
July 2021

Line No.		A Gas Rate No. D1	B Gas Rate No. D2	C Gas Rate No. D3/No. D7	D Gas Rate No. D4	E Gas Rate No. D5	F Total
	<u>Calculation of Net Write-Off Recovery Cost per Unit (Dth)</u>						
1	Net Write-Off Recovery allocation factors Cause No. 43975	0.004201	0.908991	0.002576	0.083537	0.000695	1.000000
2	Net Write-Off Recovery cost (Sch. 1, ln 9) * ln 1	\$99	\$21,409	\$61	\$1,968	\$16	\$23,553
3	Estimated retail sales- Dth (Sch 2B, ln 2)	<u>3,222</u>	<u>301,132</u>	<u>50,681</u>	<u>155,684</u>	<u>0</u>	<u>510,719</u>
4	Net Write-Off Recovery cost per unit sales (ln 2 / ln 3)	<u>\$0.031</u>	<u>\$0.071</u>	<u>\$0.001</u>	<u>\$0.013</u>	<u>\$0.000</u>	

Citizens Gas
Estimated Total Throughput for Twelve Months Ending May 2022

Line No.		A Gas Rate No. D1	B Gas Rate No. D2	C Gas Rate No. D3/No. D7	D Gas Rate No. D4	E Gas Rate No. D5	F Gas Rate No. D9	G Total Throughput Subject to GCA
	Estimated Total Throughput Volumes (Dth) for Twelve Months Ending May 2022							
1	June 2021	3,815	349,491	232,447	347,516	239,743	724,740	1,897,752
2	July 2021	3,222	301,132	232,257	334,554	237,343	504,184	1,612,692
3	August 2021	3,219	299,531	231,993	334,269	236,909	727,198	1,833,119
4	First Quarter	10,256	950,154	696,697	1,016,339	713,995	1,956,122	5,343,563
5	September 2021	4,333	355,340	234,167	408,924	252,043	717,720	1,972,527
6	October 2021	4,966	677,949	262,287	635,075	302,808	786,222	2,669,307
7	November 2021	9,461	1,886,703	275,265	1,171,871	371,100	540,480	4,254,880
8	Second Quarter	18,760	2,919,992	771,719	2,215,870	925,951	2,044,422	8,896,714
9	December 2021	17,126	3,713,462	309,699	2,110,096	456,196	582,490	7,189,069
10	January 2022	19,845	4,078,254	299,937	2,539,510	480,438	592,286	8,010,270
11	February 2022	18,221	4,047,734	272,934	2,353,362	432,096	548,856	7,673,203
12	Third Quarter	55,192	11,839,450	882,570	7,002,968	1,368,730	1,723,632	22,872,542
13	March 2022	11,818	2,815,490	253,428	1,672,188	385,206	541,694	5,679,824
14	April 2022	8,216	1,971,127	249,589	1,076,511	312,360	761,460	4,379,263
15	May 2022	5,359	904,305	248,156	579,178	262,632	771,652	2,771,282
16	Fourth Quarter	25,393	5,690,922	751,173	3,327,877	960,198	2,074,806	12,830,369
17	Total Throughput - Dth	109,601	21,400,518	3,102,159	13,563,054	3,968,874	7,798,982	49,943,188
	<u>Quarterly Allocation Factor</u>							
18	First Quarter (line 4/line 17)	0.093576	0.044399	0.224585	0.074935	0.179899	0.250818	0.106993
19	Second Quarter (line 8/line 17)	0.171166	0.136445	0.248768	0.163375	0.233303	0.262140	0.178137
20	Third Quarter (line 12/line 17)	0.503572	0.553232	0.284502	0.516327	0.344866	0.221007	0.457971
21	Fourth Quarter (line 16/line 17)	0.231686	0.265924	0.242145	0.245363	0.241932	0.266035	0.256899
	<u>Current Throughput Allocation Factor</u>							
22	Allocation of June 2021 Estimated Throughput (line 1/line 1, column G)	0.002010	0.184161	0.122485	0.183120	0.126330	0.381894	1.000000
23	Allocation of July 2021 Estimated Throughput (line 2/line 2, column G)	0.001998	0.186726	0.144018	0.207451	0.147172	0.312635	1.000000
24	Allocation of August 2021 Estimated Throughput (line 3/line 3, column G)	0.001756	0.163400	0.126556	0.182350	0.129238	0.396700	1.000000
25	Allocation of Quarter Estimated Throughput (line 4/line 4, column G)	0.001919	0.177812	0.130381	0.190199	0.133618	0.366071	1.000000
	<u>Monthly Allocation Factors</u>							
26	June 2021 (line 1/line 4)	0.371977	0.367825	0.333641	0.341929	0.335777	0.370498	0.355147
27	July 2021 (line 2/line 4)	0.314158	0.316930	0.333369	0.329176	0.332415	0.257747	0.301801
28	August 2021 (line 3/line 4)	0.313865	0.315245	0.332990	0.328895	0.331808	0.371755	0.343052
	Total Throughput Allocation Factor (line 17/line 17, col. G)	0.002195	0.428496	0.062114	0.271570	0.079468	0.156157	1.000000

Citizens Gas
Estimated Retail Sales Volume for Twelve Months Ending May 2022

Line No.		A Gas Rate No. D1	B Gas Rate No. D2	C Gas Rate No. D3/No. D7	D Gas Rate No. D4	E Gas Rate No. D5	F Total Retail Sales Subject to GCA
	Estimated Retail Sales Volumes (Dth) for Twelve Months Ending May 2022						
1	June 2021	3,815	349,491	50,087	161,336	0	564,729
2	July 2021	3,222	301,132	50,681	155,684	0	510,719
3	August 2021	3,219	299,531	50,603	156,763	0	510,116
4	First Quarter	10,256	950,154	151,371	473,783	0	1,585,564
5	September 2021	4,333	355,340	47,787	184,824	0	592,284
6	October 2021	4,966	677,949	53,638	221,284	0	957,837
7	November 2021	9,461	1,886,703	44,029	538,133	0	2,478,326
8	Second Quarter	18,760	2,919,992	145,454	944,241	0	4,028,447
9	December 2021	17,126	3,713,462	50,283	1,202,698	0	4,983,569
10	January 2022	19,845	4,078,254	32,442	1,553,880	0	5,684,421
11	February 2022	18,221	4,047,734	21,497	1,523,445	0	5,610,897
12	Third Quarter	55,192	11,839,450	104,222	4,280,023	0	16,278,887
13	March 2022	11,818	2,815,490	17,424	993,046	0	3,837,778
14	April 2022	8,216	1,971,127	37,808	631,983	0	2,649,134
15	May 2022	5,359	904,305	52,866	294,517	0	1,257,047
16	Fourth Quarter	25,393	5,690,922	108,098	1,919,546	0	7,743,959
17	Total Retail Sales - Dth	109,601	21,400,518	509,145	7,617,593	0	29,636,857
	<u>Quarterly Retail Allocation Factor</u>						
18	First Quarter (line 4/line 17)	0.093576	0.044399	0.297304	0.062196	0.000000	0.053500
19	Second Quarter (line 8/line 17)	0.171166	0.136445	0.285683	0.123955	0.000000	0.135927
20	Third Quarter (line 12/line 17)	0.503572	0.553232	0.204700	0.561860	0.000000	0.549278
21	Fourth Quarter (line 16/line 17)	0.231686	0.265924	0.212313	0.251989	0.000000	0.261295
22	Annual (line 17 / line 17, Column F)	0.003698	0.722092	0.017179	0.257031	0.000000	1.000000
	<u>Current Retail Sales Allocation Factor</u>						
23	Allocation of June 2021 Estimated Throughput (line 1/line 1, column F)	0.006755	0.618866	0.088692	0.285687	0.000000	1.000000
24	Allocation of July 2021 Estimated Throughput (line 2/line 2, column F)	0.006309	0.589623	0.099235	0.304833	0.000000	1.000000
25	Allocation of August 2021 Estimated Throughput (line 3/line 3, column F)	0.006310	0.587182	0.099199	0.307309	0.000000	1.000000
26	Allocation of Quarter Estimated Retail Sales (line 4/line 4, column F)	0.006468	0.599254	0.095468	0.298810	0.000000	1.000000
	<u>Monthly Retail Allocation Factors</u>						
27	June 2021 (line 1/line 4)	0.371977	0.367825	0.330889	0.340527	0.000000	0.356169
28	July 2021 (line 2/line 4)	0.314158	0.316930	0.334813	0.328598	0.000000	0.322106
29	August 2021 (line 3/line 4)	0.313865	0.315245	0.334298	0.330875	0.000000	0.321725

Citizens Gas
Estimated Total Throughput Excluding Basic Volume (Dth) for Twelve Months Ending May 2022

Line No.		A Gas Rate No. D1	B Gas Rate No. D2	C Gas Rate No. D3/No. D7	D Gas Rate No. D4	E Gas Rate No. D5	F Gas Rate No. D9	G Total Throughput Subject to GCA
	Estimated Total Throughput Excluding Basic Volumes (Dth) for Twelve Months Ending May 2022							
1	June 2021	3,815	349,491	216,907	343,556	167,983	16,920	1,098,672
2	July 2021	3,222	301,132	216,757	330,648	166,353	16,864	1,034,976
3	August 2021	3,219	299,531	216,493	330,363	166,105	16,864	1,032,575
4	First Quarter	10,256	950,154	650,157	1,004,567	500,441	50,648	3,166,223
5	September 2021	4,333	355,340	218,567	404,784	176,143	17,280	1,176,447
6	October 2021	4,966	677,949	246,240	630,177	208,196	18,910	1,786,438
7	November 2021	9,461	1,886,703	258,944	1,165,991	253,560	20,880	3,595,539
8	Second Quarter	18,760	2,919,992	723,751	2,200,952	637,899	57,070	6,558,424
9	December 2021	17,126	3,713,462	293,023	2,102,966	310,062	23,312	6,459,951
10	January 2022	19,845	4,078,254	283,135	2,532,008	326,182	24,056	7,263,480
11	February 2022	18,221	4,047,734	256,337	2,346,586	294,056	22,624	6,985,558
12	Third Quarter	55,192	11,839,450	832,495	6,981,560	930,300	69,992	20,708,989
13	March 2022	11,818	2,815,490	237,003	1,666,050	262,942	21,266	5,014,569
14	April 2022	8,216	1,971,127	233,511	1,071,471	214,560	19,200	3,518,085
15	May 2022	5,359	904,305	232,298	574,838	181,536	17,732	1,916,068
16	Fourth Quarter	25,393	5,690,922	702,812	3,312,359	659,038	58,198	10,448,722
17	Total Throughput excl. Basic - Dth	109,601	21,400,518	2,909,215	13,499,438	2,727,678	235,908	40,882,358
	<u>Current Throughput Excl. Basic Allocation Factor</u>							
18	Allocation of June 2021 Estimated Throughput (line 1/line 1, column G)	0.003472	0.318104	0.197427	0.312701	0.152896	0.015400	1.000000
19	Allocation of July 2021 Estimated Throughput (line 2/line 2, column G)	0.003113	0.290956	0.209432	0.319474	0.160731	0.016294	1.000000
20	Allocation of August 2021 Estimated Throughput (line 3/line 3, column G)	0.003117	0.290082	0.209663	0.319941	0.160865	0.016332	1.000000
21	Total Throughput Excl. Basic Allocation Factor (line 17/line 17, col. G)	0.002681	0.523466	0.071161	0.330202	0.066720	0.005770	1.000000
	<u>Monthly Total Throughput less Basic</u>							
22	June 2021 (line 1/line 4)	0.371977	0.367825	0.333622	0.341994	0.335670	0.334070	0.346998
23	July 2021 (line 2/line 4)	0.314158	0.316930	0.333392	0.329145	0.332413	0.332965	0.326880
24	August 2021 (line 3/line 4)	0.313865	0.315245	0.332986	0.328861	0.331917	0.332965	0.326122

Citizens Gas
Purchased Gas Cost - Estimated
July 2021

		A	B	C	D	E	F	G	H	I	J
		Estimated Purchases			Supplier Rates Estimated			Estimated Costs			
Line		Commodity			Demand	Commodity	Other	Demand	Commodity		Total
No.	Month and Supplier	Demand	MCF	DTH	\$/DTH	\$/DTH	\$/MCF	(A x D)	(C x E)	Other	(G+H+I)
	July 2021										
	Exelon Generation Company, LLC										
1	Panhandle Eastern Pipeline - TOR			473,698		\$3.2194			1,525,023		1,525,023
2	Texas Gas Transmission - TOR			140,257		3.1428			440,800		440,800
3	TGT-REX			140,257		3.1403			440,449		440,449
4	Indiana Municipal Gas Purchasing Authority - TOR			-		3.2194			-		-
5	Indiana Municipal Gas Purchasing Authority - Prepay			149,513		2.8876			431,734		431,734
6	PEAK B			310,000		3.0435			943,485		943,485
7	Rockies Express Pipeline - TOR			610,000		2.3561			1,437,221		1,437,221
8	PEAK A			310,000		2.9160			903,960		903,960
9	Midwestern Gas Transmission Purchases			-		3.1070			-		-
10	Fixed Price Purchases								-		-
11	Hedging Transaction Costs								(65,367)		(65,367)
12	Boil-off / Peaking purchase			42,263		3.2510			137,397		137,397
13	Net Demand Cost Charges - AMA							933,295	-		933,295
14	Demand Cost Charges -IMGPA - Prepay	5,000			18.6404			93,202	-		93,202
15	Texas Gas - NNS - (Injections)/Withdrawals			(334,904)	0.4717	2.8468		(157,974)	(953,405)		(1,111,379)
16	Total			1,841,084				\$868,523	\$5,241,297	-	\$6,109,820

Citizens Gas
Calculation of the Projected Average Pipeline Rates
Non-pipeline Supplies, Storage Injections, and Company Usage

Line No	Description	Jul 2021
	<u>Commodity Volumes (Dth)</u>	
	Purchases for Retail:	
1	Panhandle TOR	473,698
2	IMGPA TOR	0
3	IMGPA Prepay	149,513
4	Midwestern Gas	0
5	Rockies Express TOR - Monthly	610,000
6	PEAK A	310,000
7	Fixed Price Purchases (Sch. 3)	0
8	Texas Gas TOR	140,257
9	TGT-Rex East	140,257
10	PEAK B	310,000
11	Texas Gas NNS	(334,904)
12	Boil-off/ Peaking purchases (Sch. 3)	42,263
	Total Retail Volumes (Ln1 through Ln12)	1,841,084
	<u>Demand Rate</u>	
14	Total Demand Costs (Sch. 3)	\$868,523
15	Demand Cost per Dth (Line 14 / Line 13)	\$0.4717
	<u>Commodity Rate</u>	
16	Panhandle TOR	\$3.2194
17	IMGPA TOR	3.2194
18	IMGPA Prepay	2.8876
19	Annual Delivery Service - Midwestern Gas	3.1070
20	Rockies Express TOR - Monthly	2.3561
21	PEAK A	2.9160
22	Fixed Price Purchases (Sch. 3)	0.0000
23	Texas Gas TOR	3.1428
24	TGT-Rex East	3.1403
25	Texas Gas NNS	2.8468
26	Boil-off/ Peaking purchases (Sch. 3)	3.2510
27	PEAK B	3.0435
	<u>Commodity Costs</u>	
28	PEPL (Ln 1 x Ln 16)	\$1,525,023
29	IMGPA - TOR (Ln 2 x Ln 17)	0
30	IMGPA - Authority Prepay (Ln 3 x Ln 18)	431,734
31	Midwestern (Ln 4 x Ln 19)	0
32	Rockies Express TOR (Ln 5 X Ln 20)	1,437,221
33	PEAK A (Ln 6 X Ln 21)	903,960
34	Fixed Price Purchases (Ln 7 x Ln 22)	0
35	Texas Gas (Ln 8 x Ln 23)	440,800
36	TGT-Rex East (Ln 9 x Ln 24)	440,449
37	Texas Gas -Unnominated Gas (Ln 11 x Ln 25)	(953,405)
38	Boil-off/ Peaking purchases (Ln 12 x Ln 26)	137,397
39	PEAK B (Ln 10 x Ln 27)	943,485
40	Hedging Transaction Costs (Sch 3)	(65,367)
41	Subtotal(Ln 28 through Ln 40)	\$5,241,297
42	Commodity Cost per Dth (Line 41/Line 13)	\$2.8469
43	Total Average Rate per Dth (Line 15 + Line 42)	\$3.3186

Citizens Gas
Projected Information
For The Month Ending July 31, 2021

	A	B	C	D	E
	Jul 2021	Volumes in Dths	Commodity Cost per Dth	% of Total	
8	Fixed Price Purchases	-	\$ -	0.00%	Sch 3 pg 2 line 10
9	Monthly Spot Market - Index Purchases	2,133,725	\$ 2.8388	409.22%	Sch 3 pg 2 (line 16 - line 10 - line 12 - line 15)
10	Boil off/Peaking Purchases	42,263	\$ 3.2510	8.11%	Sch 3 pg 2 line 12
11	Unnominated Seasonal Gas Purchases	(334,904)	\$ 2.8468	-64.23%	Sch 3 pg 2 line 15
12	Storage Withdrawal - Net	-	\$ -	0.00%	Sch 5 line 6 col B - Sch 4pg 2 ln 22 Col E
13	Storage Injection - Gross	(1,319,681)	\$ 2.8469	-253.10%	Sch 5 line 6 col A - Sch 4 pg 2 ln 20 Col E
14	Total Net Purchases	521,403		100.00%	

Citizens Gas
Allocation of Panhandle Unnominated Quantities Cost
July 2021

Ln. No.	Calc. of PEPL Unnom.Costs / Unit	Gas Rate No. D1	Gas Rate No. D2	Gas Rate No. D3/No. D7	Gas Rate No. D4	Gas Rate No. D5	Gas Rate No. D9	Total
1	Retail seasonal demand allocation factor Cause No. 37399 GCA 140	0.003122	0.733268	0.003164	0.260446	0.000000	-	1.000000
2	PEPL retail demand costs (ln 17 * ln 1)	\$1,580	\$371,179	\$1,602	\$131,838	\$0	-	\$506,199
3	Estimated monthly retail sales - Dth (Sch 2B, ln 2)	3,222	301,132	50,681	155,684	0	-	510,719
4	Fixed cost per unit retail sales (ln 2 / ln 3)	\$0.490	\$1.233	\$0.032	\$0.847	\$0.000	-	
5	PEPL monthly retail variable costs (ln 24 * ln 1)	\$209	\$48,995	\$211	\$17,402	\$0	-	\$66,817
6	Estimated monthly retail sales - Dth (Sch 2B, ln 2)	3,222	301,132	50,681	155,684	0	-	510,719
7	Net monthly retail variable costs per unit sales (ln 5 / ln 6)	\$0.065	\$0.163	\$0.004	\$0.112	\$0.000	-	
8	Total PEPL cost per unit retail sales (ln 4 + ln 7)	\$0.555	\$1.396	\$0.036	\$0.959	\$0.000	-	
9	PEPL balancing demand costs (ln 18 * Sch 2C, ln 19)	\$156	\$14,566	\$10,485	\$15,994	\$8,047	\$816	\$50,064
10	Estimated monthly total throughput - Dth (Sch 2C, ln 2)	3,222	301,132	216,757	330,648	166,353	16,864	1,034,976
11	Fixed balancing cost per unit throughput (ln 9 / ln 10)	\$0.048	\$0.048	\$0.048	\$0.048	\$0.048	\$0.048	
12	PEPL monthly balancing variable costs (ln 25 * Sch 2C, ln 19)	\$21	\$1,922	\$1,384	\$2,111	\$1,062	\$108	\$6,608
13	Estimated monthly total throughput excl Basic - Dth (Sch 2C, ln 2)	3,222	301,132	216,757	330,648	166,353	16,864	1,034,976
14	Net monthly balancing variable costs per unit throughput (ln 12 / ln 13)	\$0.007	\$0.006	\$0.006	\$0.006	\$0.006	\$0.006	
15	Total PEPL Balancing cost per unit throughput (ln 11 + ln 14)	\$0.055	\$0.054	\$0.054	\$0.054	\$0.054	\$0.054	

Calculation of Fixed Costs		A Monthly Fixed Costs
16	PEPL demand cost	\$556,263
17	PEPL Retail Demand Costs (line 16 * 91%) 1/	\$506,199
18	PEPL Balancing Demand Costs (line 16 * 9%) 1/	\$50,064

Calculation of Monthly Variable Costs		A	B	C	D	E	F	G	H	I
		Volumes		Storage Rates		Costs				
July 2021		Inject.	W/Drl.	Inject.	W/Drl.	Comp. Fuel	Inject. (A x C)	W/Drl. (B x D)	Compressor Fuel	Total (F+G+H)
19	PEPL Injections (Net)	700,000		0.0020			\$1,400			\$1,400
20	(100 - day firm) (Midpoint)	714,067		0.0094		19,681	6,712		\$65,313	72,025
21	PEPL Withdrawals (Gross)		0		0.0020			0		0
22	(100 - day firm) (Net)		0		0.0094	0		0	0	0
23	Total (ln 19 + ln20 + ln21 + ln22)						\$8,112	\$0	\$65,313	\$73,425
24	PEPL Retail Variable Costs (line 23 * 91%) 1/									\$66,817
25	PEPL Balancing Variable Costs (line 23 * 9%) 1/									\$6,608

1/ Percentages from Balancing Study - 2 year average Apr., 2008 - Mar., 2010 PEPL-WSS

Citizens Gas
Estimated Cost of Gas Injections and Withdrawals
For The Month Ending July 31, 2021

	A	B	C	D	E	F	G	H	I	
	Estimated Change		Estimated Cost of Gas							
Line No.	Injections	Withdrawals	Injections		Withdrawals		Net			
	Dth	Dth	Demand	Commodity	Demand	Commodity	Demand	Commodity	Total	
July 2021										
4	Greene Co.	600,000	0	283,020	1,708,140	0	0	(283,020)	(1,708,140)	(1,991,160)
5	PEPL WSS	700,000	0	330,190	1,992,830	0	0	(330,190)	(1,992,830)	(2,323,020)
6	Subtotal	1,300,000	0	613,210	3,700,970	0	0	(613,210)	(3,700,970)	(4,314,180)

Citizens Gas
Demand Allocation of Injections and Withdrawals
Greene Co.
For The Month Ending July 31, 2021

Line No.	A Volume DTH	B Demand Cost	C Commodity Cost	D Total Cost	E Total \$/DTH	F Comm \$/DTH
4	Beginning Balance @ July 2021	4,729,954	2,057,118	10,525,613	2.6602	2.2253
5	Add: Net injections at cost	600,000	283,020	1,991,160	3.3186	2.8469
6	Less: Gross withdrawals - avg. unit cost	0	0	0	0.0000	0.0000
7	Ending balance @ July 31, 2021	5,329,954	2,340,138	12,233,753	2.7343	2.2953

Citizens Gas
Demand Allocation of Injections and Withdrawals
From PEPL FS
For The Month Ending July 31, 2021

Line No.	A Volume DTH	B Demand Cost	C Commodity Cost	D Total Cost	E Total \$/DTH	F Comm \$/DTH
4	Beginning Balance @ July 2021	4,076,061	1,878,735	8,165,599	10,044,334	2.4642
5	Add: Net injections at cost	700,000	330,190	1,992,830	2,323,020	3.3186
6	Less: Gross withdrawals - avg. unit cost	0	0	0	0.0000	0.0000
7	Ending balance @ July 31, 2021	4,776,061	2,208,925	10,158,429	12,367,354	2.5894

Citizens Gas
Updated Monthly Price Calculation for the month of:

July 2021

PEPL	NYMEX	\$	3.2510	NYMEX Dated - June 17, 2021	
			MPU Price	40-day filing Price	Diff
Nymex		\$	3.2510	\$ 2.6180	\$ 0.6330
Basis		\$	(0.1900)	\$ (0.2559)	
		\$	-	\$ -	
		\$	3.0610	\$ 2.3621	
fuel%	3.55%	\$	0.9645	\$ 0.9645	
		\$	3.1737	\$ 2.4490	
transportation		\$	0.0457	\$ 0.0457	
		\$	3.2194	Benchmark Price	\$ 2.4947

NYMEX		Difference
As of June 17, 2021	40-day filing	
3.2510	2.6180	0.6330

The NYMEX price used in the Jul., 2021 MPU filing is uncapped.

TGT			MPU Price	40-day filing Price	Diff
Nymex		\$	3.2510	\$ 2.6180	\$ 0.6330
Basis		\$	(0.1750)	\$ (0.1462)	
		\$	-	\$ -	
		\$	3.0760	\$ 2.4718	
fuel%	0.54%	\$	0.9946	\$ 0.9946	
		\$	3.0927	\$ 2.4852	
transportation		\$	0.0501	\$ 0.0501	
		\$	3.1428	Benchmark Price	\$ 2.5353

Midwestern(Chicago)			MPU Price	40-day filing Price	Diff
Nymex		\$	3.2510	\$ 2.6180	\$ 0.6330
Basis		\$	(0.1775)	\$ (0.2015)	
		\$	0.0200	\$ 0.0200	
		\$	3.0935	\$ 2.4365	
fuel%	0.37%	\$	0.9963	\$ 0.9963	
		\$	3.1050	\$ 2.4455	
transportation		\$	0.0020	\$ 0.0020	
		\$	3.1070	Benchmark Price	\$ 2.4475

PEPL (Prepay)			MPU Price	40-day filing Price	Diff
Nymex		\$	3.2510	\$ 2.6180	\$ 0.6330
Basis		\$	(0.1900)	\$ (0.2559)	
		\$	(0.3200)	\$ (0.3200)	
		\$	2.7410	\$ 2.0421	
fuel%	3.55%	\$	0.9645	\$ 0.9645	
		\$	2.8419	\$ 2.1173	
transportation		\$	0.0457	\$ 0.0457	
Monthly Price		\$	2.8876	Benchmark Price	\$ 2.1630

PEAK B			MPU Price	40-day filing Price	Diff
Nymex		\$	3.2510	\$ 2.6180	\$ 0.6330
Negotiated Mkt. Discount		\$	(0.2075)	\$ (0.2075)	
		\$	-	\$ -	
		\$	3.0435	\$ 2.4105	
fuel%	0.00%	\$	-	\$ -	
		\$	3.0435	\$ 2.4105	
transportation		\$	-	\$ -	
Monthly Price		\$	3.0435	\$ 2.4105	

REX - TOR			MPU Price	40-day filing Price	Diff
Nymex		\$	3.2510	\$ 2.6180	\$ 0.6330
Negotiated Mkt. Discount		\$	(1.1500)	\$ (0.6725)	
		\$	0.1600	\$ 0.1600	
		\$	2.2610	\$ 2.1055	
fuel%	2.99%	\$	0.9701	\$ 0.9704	
		\$	2.3307	\$ 2.1697	
transportation		\$	0.0254	\$ 0.0247	
Monthly Price		\$	2.3561	\$ 2.1944	

PEAK A			MPU Price	40-day filing Price	Diff
Nymex		\$	3.2510	\$ 2.6180	\$ 0.6330
Negotiated Mkt. Discount		\$	-	\$ -	
		\$	(0.3350)	\$ (0.3350)	
		\$	2.9160	\$ 2.2830	
fuel%	0.00%	\$	1.0000	\$ 1.0000	
		\$	2.9160	\$ 2.2830	
transportation		\$	-	\$ -	
Monthly Price		\$	2.9160	\$ 2.2830	

TGT-Rex East			MPU Price	40-day filing Price	Diff
Nymex		\$	3.2510	\$ 2.6180	\$ 0.6330
Negotiated Mkt. Discount		\$	(0.1775)	\$ (0.2015)	
		\$	-	\$ -	
		\$	3.0735	\$ 2.4165	
fuel%	0.54%	\$	0.9946	\$ 0.9946	
		\$	3.0902	\$ 2.4296	
transportation		\$	0.0501	\$ 0.0501	
		\$	3.1403	\$ 2.4797	

CITIZENS GAS
Dollar Impact of GCA 150 Monthly Update for July 2021 on Typical Residential Heating Customer
In Comparison to Rate IURC Approved in Quarterly GCA for July 2021

Dth	July 2021 Per Order	July 2021 Per Monthly Update	\$ Diff. Monthly Update v. Order	% Diff. Monthly Update v. Order
5	48.68	51.52	2.84	5.83%
10	80.86	86.55	5.69	7.04%
15	113.04	121.57	8.53	7.55%
20	145.22	156.60	11.38	7.84%
25	177.40	191.62	14.22	8.02%

CITIZENS GAS
Dollar Impact of GCA 150 Monthly Update for July 2021 on Typical Residential Heating Customer
In Comparison to Rates Currently in Effect

Dth	Bill @ June 2021	July 2021 Per Monthly Update	\$ Diff. July 2021 June 2021	% Diff. July 2021 June 2021
5	49.24	51.52	2.28	4.63%
10	81.99	86.55	4.56	5.56%
15	114.73	121.57	6.84	5.96%
20	147.48	156.60	9.12	6.18%
25	180.22	191.62	11.40	6.33%

CITIZENS GAS
Dollar Impact of GCA 150 Monthly Update for July 2021 on Typical Residential Heating Customer
In Comparison to Rates in Effect One Year Ago

Dth	Bill @ July 2020	July 2021 Per Monthly Update	\$ Diff. July 2021 July 2020	% Diff. July 2021 July 2020
5	46.00	51.52	5.52	12.00%
10	75.51	86.55	11.04	14.62%
15	105.01	121.57	16.56	15.77%
20	134.52	156.60	22.08	16.41%
25	164.02	191.62	27.60	16.83%