FILED April 22, 2020 INDIANA UTILITY REGULATORY COMMISSION

# **CITIZENS GAS**

# Petition for Approval of Gas Cost Adjustments To Be Applicable in the Months of June, July and August 2020

Cause No. 37399 – GCA 146

**Prefiled Supplemental Testimony and Attachments** 

Korlon L. Kilpatrick II

Filed April 22, 2020

### **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 SUCCESSOR TRUSTEE OF A PUBLIC ) CHARITABLE TRUST, FOR APPROVAL OF ) GAS COST ADJUSTMENTS TO BE APPLICABLE IN THE MONTHS OF JUNE, JULY AND **AUGUST 2020** )

) CAUSE NO. 37399-GCA 146

# PETITIONER'S SUBMISSION OF SUPPLEMENTAL TESTIMONY AND UPDATED ATTACHMENTS OF KORLON L. KILPATRICK II

On April 2, 2020 Public Charitable Trust, d/b/a Citizens Gas ("Petitioner" or "Citizens Gas") filed its Verified Petition in this Cause for approval of a Gas Cost Adjustment ("GCA") to be applicable during the months of June, July and August 2020. Citizens Gas submits herewith the supplemental testimony and updated attachments of Korlon L Kilpatrick II.

Respectfully submitted,

/s/ Michael B. Cracraft Michael B. Cracraft (Attorney No. 3416-49) Ice Miller LLP One American Square, Suite 2900 Indianapolis, IN 46282-0200 (317) 236-2293

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Attorneys for Petitioner, Citizens Gas

# **CERTIFICATE OF SERVICE**

The undersigned hereby certifies that a copy of the Petitioner's Submission of Supplemental Testimony and Updated Attachments of Korlon L. Kilpatrick II was served via electronic mail on April 22, 2020 to the following:

## **Office of Utility Consumer Counselor**

115 West Washington Street Suite 1500 South Indianapolis IN 46204 <u>infomgt@oucc.in.gov</u>

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Attorneys for Petitioner, Citizens Gas

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9	Schedules	Attachment KLK-7

# Tab 6

# **INTRODUCTION**

- 1 Q1. PLEASE STATE YOUR NAME.
- 2 A1. Korlon L. Kilpatrick II.

# 3 Q2. DID YOU PREVIOUSLY SUBMIT TESTIMONY IN THIS PROCEEDING ON 4 BEHALF OF CITIZENS GAS?

5 A2. Yes. Petitioner's Exhibit No. 1 is my direct testimony in this proceeding, which was filed
6 with the Indiana Utility Regulatory Commission ("Commission" or "IURC") on April 2,
7 2020.

# 8 Q3. WHAT IS THE PURPOSE OF YOUR SUPPLEMENTAL TESTIMONY IN THIS 9 PROCEEDING?

10 A3. The purpose of my supplemental testimony is to provide the Commission with 11 modifications related to the estimated cost of gas that is the subject of this GCA 146 12 proceeding. Also, I describe the tariff sheets and supporting schedules reflecting the gas 13 cost adjustments that Citizens Gas proposes become effective for the months of June, July 14 and August 2020. In addition, my testimony discusses Petitioner's projection period, 15 reconciliation period and the Monthly Price Update.

# 16 Q4. DOES THIS SUPPLEMENTAL TESTIMONY REFLECT ANY MODIFICATIONS

# 17 TO THE ATTACHMENTS CITIZENS GAS FILED IN THIS CAUSE ON APRIL 2, 18 2020?

A4. Yes. The following modifications have been made to the referenced schedules, whichCitizens Gas filed on April 2, 2020:

1		1. Schedule 1A, pages 1 through 3, lines 15 and 16: revised to adjust the demand cost
2		for gas injected into or withdrawn from storage.
3		2. Schedule 3, pages 1 through 3: revised to reflect updated estimates of commodity
4		rates and estimated purchases.
5		As a result of the above-referenced revisions to the identified Schedules, I also have
6		updated Schedule 1, pages 1 through 5 for June, July and August 2020; Schedule 1B;
7		Schedule 1C, pages 1 through 3; Schedule 3A; Schedule 3B; Schedule 4, pages 1 through
8		3, Schedule 5.
	LOA	D FORECAST
9	Q5.	HAS THE ANNUAL LOAD FORECAST CHANGED SINCE THE PREVIOUS
10		GCA?
11	A5.	Yes.
	<u>EXH</u>	IBITS AND SCHEDULES
12	Q6.	PLEASE IDENTIFY EXHIBIT NO. 2.
13	A6.	Exhibit No. 2 is my supplemental testimony.
14	Q7.	PLEASE PROVIDE A BRIEF EXPLANATION OF EACH ATTACHMENT KLK-
15		5 THROUGH KLK-7
16	A7.	Attachment KLK-5 includes Petitioner's GCA tariff sheets ("Rider A"), which are
17		proposed to be effective for June, July and August 2020. The rates shown on each monthly
18		Rider A are the result of all appropriate estimations and reconciliations, as previously
19		authorized by the Commission. Attachment KLK-6 shows the impact of the proposed GCA
20		rates on a residential heating customer's bill at 5, 10, 15, 20 and 25 dekatherms compared

- to the current rates found in the April 2, 2020 filing and compared to the rates in effect one
   year ago.
- 3 Attachment KLK-7 consists of all schedules required in support of the proposed GCA rates
- 4 shown in Attachment KLK-5. These schedules were prepared in a manner consistent with
- 5 Petitioner's prior GCA filings and incorporate the changes approved on May 14, 1986 in
- 6 IURC Cause No. 37091. The schedules also are in compliance with the changes approved
- 7 on August 31, 2011 in IURC Cause No. 43975 and on August 27, 2014 in IURC Cause
- 8 No. 44374 and on November 28, 2018 in IURC Cause No. 37399 GCA140.

# **PROJECTION PERIOD**

# 9 Q8. HOW DID CITIZENS GAS PROJECT THE GAS COSTS FOR THE MONTHS OF 10 JUNE, JULY AND AUGUST 2020?

11 A8. The majority of the gas costs for June, July and August 2020 were projected using the 12 NYMEX futures prices at Henry Hub for the three-month period. These indices are the 13 same indices by which Citizens Gas has priced its commodity purchases in the past. The 14 futures prices are adjusted for basis, fuel, and transportation for delivery to Citizens Gas' 15 city-gate.

Table 1				
NYMEX Price as of 4/8/20				
June 2020 \$1.949				
July 2020	\$2.063			
August 2020	\$2.118			

# 16 Q9. UPON WHAT ARE THE GCA COMPUTATIONS CONTAINED IN

# 17 ATTACHMENT KLK-7 BASED?

1	A9.	The rates and charges reflected in the transportation and storage costs are based upon
2		pipeline tariffs. The other major components of estimated gas costs are non-pipeline gas
3		costs, which are priced in accordance with the IURC's Order in Cause No. 37475, and
4		purchases from gas suppliers other than pipelines, including fixed and financial hedge
5		transactions.
6	Q10.	DO THE ESTIMATED GAS COSTS FOR THE MONTHS OF JUNE, JULY AND
7		AUGUST 2020 INCLUDE FIXED AND/OR FINANCIALLY HEDGED
8		TRANSACTIONS?
9	A10.	Yes.
10	Q11.	WHAT PERCENTAGE OF TOTAL PURCHASES IS MADE UP OF FIXED
11		HEDGED TRANSACTIONS FOR THE MONTHS OF JUNE, JULY AND AUGUST
12		2020?
13	A11.	Fixed hedged transactions account for 0.00% of the total purchases for the months of June,
14		July and August 2020.
15	Q12.	WHAT PERCENTAGE OF TOTAL PURCHASES IS MADE UP OF
16		FINANCIALLY HEDGED TRANSACTIONS FOR THE MONTHS OF JUNE,
17		JULY AND AUGUST 2020?
18	A12.	Financially hedged transactions account for 23.21% of total purchases for the months of
19		June, July and August 2020.
20	Q13.	DO THE GAS COSTS IN THIS GCA INCLUDE CITIZENS GAS HEDGING
21		TRANSACTION COSTS?

1	A13.	Yes. Attachment KLK-7, Schedule 3, pages 1, 2 and 3, as well as Schedules 8A, 8B, 8C,
2		contain hedging transaction costs. The hedging transaction costs shown in these schedules
3		consist of costs associated with Citizens Gas' financial hedge program.
4	Q14.	DO PETITIONER'S GAS SUPPLIES INCLUDE ANY NON-TRADITIONAL
5		SUPPLIES OF GAS?
6	A14.	No. But, if there were any non-traditional gas supplies included in the GCA computations,
7		they would be priced at the lesser of the equivalent cost of pipeline gas or the authorized
8		per unit price, as prescribed by the Commission in Cause No. 37475.
9	Q15.	DO YOU BELIEVE THAT THE PROPOSED GCA RATES FOR JUNE, JULY AND
10		AUGUST 2020 ARE ACCURATE?
11	A15.	Yes, I do.
	<u>RECC</u>	DNCILIATION PERIOD
12	Q16.	HAVE YOU COMPARED PETITIONER'S ESTIMATED GAS COSTS FOR THE
13		PERIOD OF DECEMBER 2019, JANUARY AND FEBRUARY 2020 WITH
14		ACTUAL GAS COSTS EXPERIENCED FOR THAT RECOVERY PERIOD
15		PURSUANT TO IC 8-1-2-42(G)(3)(D)?
16	A16.	Yes.
17	Q17.	IN YOUR OPINION, ARE THE GAS COST VARIANCES INCLUDED WITHIN
18		THIS PROCEEDING ACCURATE AND REASONABLE?
19	A17.	Yes. The resulting percentages of total monthly variance to the total gas costs incurred
20		and the average variance percentage for the trailing 12-month period ending with each of

the three months December 2019, January and February 2020 presented in the GCA
 reconciliation period are shown in Table 2:

Table	2
-------	---

<b>Twelve Month Ending</b>	<b>Actual Gas Cost</b>	Variance	% Variance
December 2019	\$98,127,680	(\$4,118,289)	(4.20)%
January 2020	\$88,266,536	(\$4,585,100)	(5.19)%
February 2020	\$84,642,119	(\$4,364,614)	(5.16)%

3 Q18. PLEASE EXPLAIN PETITIONER'S TWELVE-MONTH TRAILING AVERAGES
4 FOR ANY MONTH WITHIN THE GCA RECONCILIATION PERIOD THAT
5 ARE GREATER THAN +/- 10% SHOWN ON ATTACHMENT KLK-7 SCHEDULE
6 6D.

A18. The 12-month trailing averages for each of the months in the reconciliation period do not
exceed the Commission approved level of +/- 10%.

9 Q19. DO THE PROPOSED GCA RATES INCLUDE A RECONCILIATION OF

- 10 ACTUAL COSTS TO ACTUAL RECOVERIES FOR THE MONTHS OF
- 11 DECEMBER 2019, JANUARY AND FEBRUARY 2020?

Yes. The proposed GCA rates to be effective for June, July and August 2020 include the A19. 12 effect of reconciling actual gas costs incurred for the months of December 2019, January 13 and February 2020 to actual gas cost recoveries. In accordance with the Commission's 14 August 14, 1986 Order in Cause No. 37091, the gas supply variance was calculated for 15 each customer demand class and is summarized by class on attachment KLK-7, Schedule 16 12B, page 1, lines 1 through 5 and Schedule 12B, Page 2, lines 1 through 3. The actual 17 gas supply cost incurred compared to actual gas supply revenue for each month, as depicted 18 in Schedule 6, is shown in Table 3: 19

### Table 3

	Net of Sched	Schedule 12	
	Actual Gas Cost Actual Recoveries		Cost in Excess of Recoveries
December 2019	\$12,320,815	\$13,053,329	(\$732,514)
January 2020	\$12,930,476	\$14,443,792	(\$1,513,316)
February 2020	\$12,758,274	\$13,541,649	(\$783,375)
Total	\$38,009,565	\$41,038,770	(\$3,029,205)

- Q20. HAS PETITIONER RECEIVED ANY NEW REFUNDS THAT ARE INCLUDED
   IN THIS GCA?
- 3 A20. No.

# MONTHLY PRICE UPDATE

4 Q21. CAN PRICING ASSUMPTIONS, INCLUDING PURCHASED VOLUMES, FIXED
5 PRICE QUANTITIES AND PRICES, AND STORAGE VOLUMES, CHANGE AS
6 A RESULT OF MAKING THE MONTHLY PRICE UPDATES WHICH WERE
7 DESCRIBED IN YOUR APRIL 2, 2020 TESTIMONY FILED IN THIS CAUSE?

A21. Yes. The monthly flex mechanism applies to the Market Priced gas volumes shown on
Attachment KLK-7, Schedule 3. Pursuant to the Commission's Order in Cause No. 44374,
Citizens Gas has been authorized to change its mix of volumes between spot, fixed and
storage volumes, as long as the total volumes remain unchanged from Petitioner's total
volumes provided in the applicable GCA period information and approved by the
Commission in the Quarterly GCA process. Changes to the NYMEX prices used to
determine index purchase prices are limited to \$1 per dekatherm, either up or down.

# 15 Q22. FOR PURPOSES OF IDENTIFYING THE BENCHMARK PRICES AS A 16 REQUIREMENT OF THE MONTHLY PRICE UPDATE MECHANISM, WHAT

# 1 ARE THE MONTHLY BENCHMARK PRICES FOR JUNE, JULY AND AUGUST

- 2 2020?
- 3 A22. Table 4 below shows the Monthly Benchmark Prices by pipeline for June, July and August
- 4 2020, which have been included in this GCA filing.

Table 4	
---------	--

	Month Price Benchmark Prices							
	Panhandle Eastern	Texas Gas	Midwestern Gas	Panhandle PrePay	Rockies Express Delivered	Rockies Express East	PEAK	TGT-REX
Jun., 2020	\$1.6421	\$1.8633	\$1.8012	\$1.3098	\$1.7390	\$1.7303	\$1.5590	\$1.8202
Jul., 2020	\$1.7730	\$1.9540	\$1.8890	\$1.4407	\$1.8530	\$1.8156	\$1.6730	\$1.9111
Aug., 2020	\$1.7889	\$1.9770	\$1.9273	\$1.4566	\$1.9080	\$1.8000	\$1.7280	\$1.9391

# **CONCLUSION**

# 5 Q23. HAS PETITIONER PROPERLY APPLIED ITS GCA RATES SINCE ITS LAST

- 6 FILED GCA?
- 7 A23. Yes.
- 8 Q24. ARE THE PETITIONER'S BOOKS AND RECORDS UNDER REVIEW BEING
- 9 KEPT ACCORDING TO THE UNIFORM SYSTEM OF ACCOUNTS AS
- **10 PRESCRIBED BY THE IURC?**
- 11 A24. Yes.
- 12 Q25. DOES THIS CONCLUDE YOUR SUPPLEMENTAL TESTIMONY?
- 13 A25. Yes, it does.

# **VERIFICATION**

The undersigned affirms under the penalties for perjury that the foregoing testimony is true to the best of his knowledge, information and belief.

Korlon L. Kilpatrick II

# Tab 7

# One-Hundred Fifth Revised Page No. 501 Superseding Substitute One-Hundred Fourth 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 June 1, 2020

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

Gas Rate No. D1	Gas Supply Charge	\$ 0.2352
Gas Rate No. D2	Gas Supply Charge	\$ 0.3564
Gas Rate No. D3	Gas Supply Charge	\$ 0.1751
Gas Rate No. D4	Gas Supply Charge	\$ 0.3219
Gas Rate No. D5	Gas Supply Charge	\$ -
Gas Rate No. D7	Gas Supply Charge	\$ 0.1726

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

Capacity	\$ 0.1202
Commodity	\$ 0.1909
Gas Supply Charge	\$ 0.3111

# 3. Balancing Charges: \$ per Therm

Gas Rate No. D3	\$ 0.0044	\$ 0.	0002	for Basic Delivery Service Option
Gas Rate No. D4	\$ 0.0047	\$ 0.	0002	for Basic Delivery Service Option
Gas Rate No. D5	\$ 0.0054	\$ 0.	0003	for Basic Delivery Service Option
Gas Rate No. D7	\$ 0.0043			
Gas Rate No. D9	\$ 0.0393	\$ 0.	0020	for Basic Delivery Service Option

# One-Hundred Sixth Revised Page No. 501 Superseding One-Hundred Fifth 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, 2020

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

Gas Rate No. D1	Gas Supply Charge	\$ 0.2613
Gas Rate No. D2	Gas Supply Charge	\$ 0.3982
Gas Rate No. D3	Gas Supply Charge	\$ 0.1885
Gas Rate No. D4	Gas Supply Charge	\$ 0.3434
Gas Rate No. D5	Gas Supply Charge	\$ -
Gas Rate No. D7	Gas Supply Charge	\$ 0.1859

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

Capacity	\$ 0.1233
Commodity	\$ 0.2058
Gas Supply Charge	\$ 0.3291

### 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	\$ 0.0057	\$ 0.0003	for Basic Delivery Service Option
Gas Rate No. D7	\$ 0.0046		
Gas Rate No. D9	\$ 0.0396	\$ 0.0020	for Basic Delivery Service Option

# One-Hundred Seventh Revised Page No. 501 Superseding One-Hundred Sixth 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 August 1, 2020

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

Gas Rate No. D1	Gas Supply Charge	\$ 0.2601
Gas Rate No. D2	Gas Supply Charge	\$ 0.3945
Gas Rate No. D3	Gas Supply Charge	\$ 0.1894
Gas Rate No. D4	Gas Supply Charge	\$ 0.3383
Gas Rate No. D5	Gas Supply Charge	\$ -
Gas Rate No. D7	Gas Supply Charge	\$ 0.1867

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

Capacity	\$ 0.1203
Commodity	\$ 0.2055
Gas Supply Charge	\$ 0.3258

# 3. Balancing Charges: \$ per Therm

Gas Rate No. D3	\$ 0.0046	\$ 0.0002	for Basic Delivery Service Option
Gas Rate No. D4	\$ 0.0049	\$ 0.0002	for Basic Delivery Service Option
Gas Rate No. D5	\$ 0.0056	\$ 0.0003	for Basic Delivery Service Option
Gas Rate No. D7	\$ 0.0045		
Gas Rate No. D9	\$ 0.0395	\$ 0.0020	for Basic Delivery Service Option

# Tab 8

#### **CITIZENS GAS**

#### Impact Statement for Residential Heating Customers

#### Proposed GCA Factor June 2020 vs. Currently Approved GCA Factor April 2020

#### Table No. 1

	Bill At	Bill At		
	Proposed	Current	Dollar	
Consumption	GCA Factor	GCA Factor	Increase	Percent
Dth	\$3.5640	\$2.3130	(Decrease)	Change
5	\$45.95	\$39.69	\$6.26	15.77 %
10	\$75.40	\$62.89	\$12.51	19.89 %
15	\$104.85	\$86.08	\$18.77	21.81 %
20	\$134.30	\$109.28	\$25.02	22.90 %
25	\$163.75	\$132.47	\$31.28	23.61 %

#### Proposed GCA Factor June 2020 vs. GCA Factor One Year Ago June 2019

#### Table No. 2

	Bill At	Bill At		
	Proposed	Prior Year's	Dollar	
Consumption	GCA Factor	GCA Factor	Increase	Percent
Dth	\$3.5640	\$4.1630	(Decrease)	Change
5	\$45.95	\$48.92	(\$2.97)	(6.07)%
10	\$75.40	\$81.35	(\$5.95)	(7.31)%
15	\$104.85	\$113.77	(\$8.92)	(7.84)%
20	\$134.30	\$146.20	(\$11.90)	(8.14)%
25	\$163.75	\$178.62	(\$14.87)	(8.32)%

#### CITIZENS GAS

#### Impact Statement for Residential Heating Customers

#### Proposed GCA Factor July 2020 vs. Currently Approved GCA Factor April 2020

#### Table No. 1

	Bill At	Bill At		
	Proposed	Current	Dollar	
Consumption	GCA Factor	GCA Factor	Increase	Percent
Dth	\$3.9820	\$2.3130	(Decrease)	Change
5	\$48.04	\$39.69	\$8.35	21.04 %
10	\$79.58	\$62.89	\$16.69	26.54 %
15	\$111.12	\$86.08	\$25.04	29.09 %
20	\$142.66	\$109.28	\$33.38	30.55 %
25	\$174.20	\$132.47	\$41.73	31.50 %

#### Proposed GCA Factor July 2020 vs. GCA Factor One Year Ago July 2019

#### Table No. 2

Consumption Dth	Bill At Proposed GCA Factor \$3.9820	Bill At Prior Year's GCA Factor \$4.0180	Dollar Increase (Decrease)	Percent Change
5	\$48.04	\$48.20	(\$0.16)	(0.33)%
10	\$79.58	\$79.90	(\$0.32)	(0.40)%
15	\$111.12	\$111.60	(\$0.48)	(0.43)%
20	\$142.66	\$143.30	(\$0.64)	(0.45)%
25	\$174.20	\$175.00	(\$0.80)	(0.46)%

#### CITIZENS GAS

#### Impact Statement for Residential Heating Customers

#### Proposed GCA Factor August 2020 vs. Currently Approved GCA Factor April 2020

#### Table No. 1

	Bill At	Bill At		
	Proposed	Current	Dollar	
Consumption	GCA Factor	GCA Factor	Increase	Percent
Dth	\$3.9450	\$2.3130	(Decrease)	Change
_	<b>A</b> 47 05	<b>*</b> ~~ ~~	<b>*0 40</b>	00 50 %
5	\$47.85	\$39.69	\$8.16	20.56 %
10	\$79.21	\$62.89	\$16.32	25.95 %
15	\$110.56	\$86.08	\$24.48	28.44 %
20	\$141.92	\$109.28	\$32.64	29.87 %
25	\$173.27	\$132.47	\$40.80	30.80 %

#### Proposed GCA Factor August 2020 vs. GCA Factor One Year Ago August 2019

#### Table No. 2

	Bill At	Bill At		
	Proposed	Prior Year's	Dollar	
Consumption	GCA Factor	GCA Factor	Increase	Percent
Dth	\$3.9450	\$3.9580	(Decrease)	Change
5	\$47.85	\$47.90	(\$0.05)	(0.10)%
10	\$79.21	\$79.30	(\$0.09)	(0.11)%
15	\$110.56	\$110.70	(\$0.14)	(0.13)%
20	\$141.92	\$142.10	(\$0.18)	(0.13)%
25	\$173.27	\$173.50	(\$0.23)	(0.13)%

# Tab 9

#### Citizens Gas Determination of Gas Supply Charge with Demand Cost Allocated Estimated For June 2020

Line No.	_	A Demand	B Commodity and Other	C Total
	Estimated Cost of Gas			
1	Purchased gas cost (Schedule 3, Page 1, ln 16)	\$844,255	\$2,835,034	\$3,679,289
2	PEPL Unnominated Quantities cost (Schedule 4 pg 1, ln 16 col A + ln 23)	-	613,603	613,603
3	Gas (injected into) withdrawn from storage - net cost (Schedule 5, ln 3)	(558,768)	(1,876,448)	(2,435,216)
4	Total estimated gas cost (ln 1 through ln 3)	\$285,487	\$1,572,189	\$1,857,676
5	Total Gas Supply variance (Sch 1, June, total of ln 17)	-	(81,182)	(81,182)
6	Total Balancing Demand variance (Sch 1 pg 2 ln 11 + Sch. 1, ln 28)	-	2,514	2,514
7	Dollars to be refunded (Schedule 12A, ln 16 * Sch 2B, ln 27, col. F)			
8	Total cost to be recovered through GCA (ln 4 + ln 5 + ln 6 - ln 7)	\$285,487	\$1,493,521	\$1,779,008
9	Net Write-Off Recovery Costs (ln 8 *1.10%)		-	\$19,569
10	Total cost to be recovered through GCA (ln. 8 + ln 9)		-	\$1,798,577

	To Be Ap	plied To June 2020				
Line No.		A Gas Rate No. Dl	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 (Sch12B, pg. 2, ln 13 * Sch 2C, ln 22)	(\$26)	(\$1,654)	-	-	-
12	Throughput excluding Basic - Dth (Sch 2C, ln 1)	3,856	356,677			
13	Total Balancing Demand Cost variance per unit of throughput (ln 11/ ln 12)	(\$0.007)	(\$0.005)	-	-	-
14	Retail demand cost per unit sales (Sch 1A, pg 1 ln 8)	0.243	0.587	0.065	0.541	-
15	Monthly balancing demand cost per unit for GR Dl & D2 only (Sch lA, pg l, ln ll)	0.000	0.000			
16	Total demand cost to be recovered through GCA (ln 13 + ln 14 + ln 15)	\$0.236	\$0.582	\$0.065	\$0.541	\$0.000
17	Total Gas Supply variance (Sch 12B, pg 1, ln 15) * (Sch 2B, ln 27)	(900)	(39,270)	(7,042)	(33,970)	0
18	Dollars to be refunded ((ln 7) * Sch 2B, ln 23)	0	0	0	0	0
19	Other non-demand gas costs (ln 4, col B - ln 2, col B) * (Sch 2B, ln 23)	6,910	639,176	71,632	240,868	0
20	Total monthly non-demand costs to be recovered through Gas Supply Charge (ln 17 - ln 18 + ln 19)	\$6,010	\$599,906	\$64,590	\$206,898	\$0
21	Sales subject to GCA - Dth (Schedule 2B, ln 1)	3,856	356,677	39,973	134,411	0
22	Total monthly non-demand costs per unit sales (ln 20 / ln 21)	\$1.559	\$1.682	\$1.616	\$1.539	\$0.000
23	Net Write-Off Recovery Cost (Sch 1C, pg 1, ln 4 )	0.021	0.050	0.001	0.012	0.000
24	PEPL Unnominated Quantites Retail Cost (Schedule 4, pg. 1 ln 8)	0.452	1.148	0.044	1.082	0.000
25	PEPL Balancing Cost for Gas Rates D1 & D2 only (Sch 4, pg 1, ln 15)	0.051	0.052			
26	Gas Supply Charge to be recovered through GCA (ln 16 + ln 22 + ln 23 + ln 24 + ln 25)	\$2.319	\$3.514	\$1.726	\$3.174	\$0.000
27	Gas Supply Charge modified for Indiana Utility Receipts Tax (ln 26 / (l - 1.40%))	\$2.352	\$3.564	\$1.751	\$3.219	\$0.000

#### Citizens Gas Determination of Gas Supply Charge with Demand Cost Allocated Estimated For June 2020 To Be Applied To June 2020

#### Citizens Gas Determination of Balancing Demand Charge per Unit (Dth) Estimated for the Period June 2020 To Be Applied to the June 2020 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
	Calculation of Balancing Demand Charge per Unit (Dth)				
28	Balancing Demand Cost Variance (Sch12B, pg. 2, ln 13 * Sch 2C, ln 22)	(\$1,721)	(\$1,991)	\$153	\$7,753
29	Throughput excluding Basic - Dth (Sch 2C, ln 1)	195,313	330,536	157,780	23,100
30	Total Balancing Demand Cost variance per unit of throughput (ln 28/ ln 29)	(\$0.0088)	(\$0.0060)	\$0.0010	\$0.3356
31	Monthly balancing demand charge per unit of throughput (Sch 1A, pg 1, ln 11)	0.000	0.000	0.000	0.000
32	PEPL balancing demand charge per unit of throughput (Sch 4, pg 1, ln 15)	0.0520	0.0520	0.0520	0.0520
33	Total balancing demand charge per unit of throughput (ln 30 + ln 31 + ln 32)	0.0432	\$0.0460	\$0.0530	\$0.3876
34	Total balancing demand charge modified for Indiana Utilities Receipts Tax (ln 33 / (1-1.40%))	\$0.044	\$0.047	\$0.054	\$0.393

#### Citizens Gas Determination of Basic Balancing Charge Estimated for June 2020 To Be Applied to June 2020

Line No.	_	A Gas Rate No. D3/No. D7	B Gas Rate No. D4	C Gas Rate No. D5	D Gas Rate No.D9
	Calculation of Basic Balancing Charge per unit (Dth)				
35	Basic balancing charge per unit ((Sch 1, ln 30 + ln 31 + ln 32) * .05)	0.0022	0.0023	0.0027	0.0194
36	Basic balancing charge modified for Indiana Utilities Receipts Tax (ln 35/ (1-1.40%))	\$0.002	\$0.002	\$0.003	\$0.020

#### Citizens Gas Determination of Back-up Gas Supply Charge Estimated for June 2020 To Be Applied to June 2020

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 1, ln 2)	\$131,463
38	Monthly retail demand costs for Gas Rate Nos. D3 & D4 (Sch 1A, pg 1, ln 6)	75,256
39	Total retail demand costs for Gas Rates Nos. D3 & D4 (ln 37 + ln 38)	\$206,719
40	Estimated monthly retail sales Dths for Gas Rates D3 & D4 (Sch. 2B, line 1)	174,384
41	Back-up supply capacity charge per unit (ln 39 / ln 40)	\$1.185
42	Back-up supply capacity charge modified for Indiana Utilities Receipts Tax (ln 41 / (1-1.40%))	\$1.202
43	PEPL monthly variable costs for Gas Rate Nos. D3 & D4 (Sch 4, pg 1, ln 5)	\$15,731
44	Total monthly non-demand costs for Gas Rate Nos. D3 & D4 (Sch 1, ln 18 + ln 19)	312,500
45	Total retail non-demand costs for Gas Rates Nos. D3 & D4 (ln 43 + ln 44)	\$328,231
46	Estimated monthly retail sales Dths for Gas Rates D3 & D4 (Sch. 2B, ln 1)	174,384
47	Back-up supply commodity charge per unit (ln 45 / ln 46)	\$1.882
48	Back-up supply commodity charge modified for Indiana Utilities Receipts Tax (ln 47 / (1-1.40%))	\$1.909
49	Total Back-up Gas Supply Charge (ln 42 + ln 48)	\$3.111

#### Citizens Gas Determination of Gas Supply Charge with Demand Cost Allocated Estimated for July 2020

		A	В	С
Line No.		Demand	Commodity and Other	Total
	Estimated Cost of Gas			
	Purchased gas cost			
1	(Schedule 3, Page 2, ln 16)	\$899,434	\$2,988,830	\$3,888,264
	PEPL Unnominated Quantities cost			
2	(Schedule 4 pg 2, ln 16 col A + ln 23)	-	619,801	\$619,801
	Gas (injected into) withdrawn from storage - net			
3	cost (Schedule 5, ln 6)	(620,770)	(2,062,755)	(\$2,683,525)
4	Total estimated gas cost (ln 1 through ln 3)	\$278,664	\$1,545,876	\$1,824,540
5	Total Gas Supply variance (Sch 1, July, total of ln 17)	-	(74,275)	(\$74,275)
6	Total Balancing Demand variance (Sch 1 pg 2 ln 11 + Sch. 1, ln 28)		2,810	\$2,810
7	Dollars to be refunded (Schedule 12A, ln 16 * Sch 2B, ln 28, col. F)			
8	Total cost to be recovered through GCA (ln 4 + ln 5 + ln 6 - ln 7)	\$278,664	\$1,474,411	\$1,753,075
9	Net Write-Off Recovery Costs			\$19,284
	(ln 8 * 1.10%)			
10	Total cost to be recovered through GCA (ln. 8 + ln 9)			\$1,772,359

	Determination of Gas Supply Charge with Demand Cost Alloc Estimated for July 2020 To Be Applied to July 2020 Sales					
Line		A Gas Rate	B Gas Rate	C Gas Rate	D Gas Rate	E Gas Ra
No.		No. D1	No. D2	No. D3/No. D7	No. D4	No. 1
	Calculation of Gas Supply Charge per Unit (Dth)					
11	Balancing Demand Cost Variance (Sch 12B, pg 2, ln 13 * Sch 2C, ln 23)	(\$22)	(\$1,431)	-	-	
12	Throughput excluding Basic - Dth (Sch 2C, ln 2)	3,306	308,625			
13	Total Balancing Demand Cost per unit of throughput (ln 11 /ln 12)	(\$0.007)	(\$0.005)	-	-	
14	Retail demand cost per unit sales (Sch 1A, pg 2 ln 8)	0.276	0.662	0.063	0.553	-
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)	\$0.269	\$0.657	\$0.063	\$0.553	\$0.0
17	Total Gas Supply variance (Sch 12B, pg 1, ln 15) * (Sch 2B, ln 28)	(772)	(33,980)	(7,094)	(32,429)	
18	Dollars to be refunded ((ln 7) * Sch 2B, ln 24)	0	0	0	0	
19	Other non-demand gas costs (ln 4, col B - ln 2, col B) * (Sch 2B, ln 24)	6,371	594,804	77,603	247,297	
	Total monthly non-demand costs to be					
20	recovered through Gas Supply Charge (ln 17 - ln 18 + ln 19)	\$5,599	\$560,824	\$70,509	\$214,868	
21	Sales subject to GCA - Dth (Schedule 2B, ln 2)	3,306	308,625	40,266	128,315	
22	Total monthly non-demand costs per unit sales (ln 20 / ln 21)	\$1.694	\$1.817	\$1.751	\$1.675	\$0.
23	Net Write-Off Recovery Cost (Sch 1C, pg 2, ln 4 )	0.025	0.057	0.001	\$0.013	\$0.
24	PEPL Unnominated Quantites Retail Cost (Sch 4, pg 2 ln 8)	0.533	1.340	0.044	1.145	0.
25	PEPL Balancing Cost for Gas Rates D1 & D2 only (Sch 4, pg 2, ln 15)	0.055	0.055			
26	Gas Supply Charge to be recovered through GCA (ln 16 + ln 22 + ln 23 + ln 24 + ln 25)	\$2.576	\$3.926	\$1.859	\$3.386	\$0.
	Gas Supply Charge modified for Indiana Utility Receipts Tax					

	Citizens Gas									
	Determination	of	Gas	Supply	Charge	with	Demand	Cost	Allocated	
Estimated for July 2020										

#### Citizens Gas Determination of Balancing Demand Charge per Unit (Dth) Estimated for July 2020 To Be Applied to the July 2020 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
	Calculation of Balancing Demand Charge per Unit (Dth)				
28	Balancing Demand Cost Variance (Sch12B, pg. 2, ln 13 * Sch 2C, ln 23)	(\$1,719)	(\$1,910)	\$151	\$7,741
29	Throughput excluding Basic - Dth (Sch 2C, ln 2)	195,080	317,015	156,120	23,064
30	Total Balancing Demand Cost variance per unit of throughput (ln 28/ ln 29)	(\$0.0088)	(\$0.0060)	\$0.0010	\$0.3356
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)	0.0550	0.0550	0.0550	0.0550
33	Total balancing demand charge per unit of throughput (ln 30 + ln 31 + ln 32)	\$0.0462	\$0.0490	\$0.0560	\$0.3906
34	Total balancing demand charge modified for Indiana Utilities Receipts Tax (ln 33 / (1-1.40%))	\$0.047	\$0.050	\$0.057	\$0.396

#### Citizens Gas Determination of Basic Balancing Charge Estimated for July 2020 To Be Applied to July 2020

Line No.		A Gas Rate No. D3/No. D7	B Gas Rate No. D4	C Gas Rate No. D5	D Gas Rate No. D9
	Calculation of Basic Balancing Charge per unit (Dth)				
35	Basic balancing charge per unit ((Sch 1, ln 30 + ln 31 + ln 32) * .05)	0.0023	0.0025	0.0028	0.0195
36	Basic balancing charge modified for Indiana Utilities Receipts Tax (ln 35/ (1-1.40%))	\$0.002	\$0.003	\$0.003	\$0.020

#### Citizens Gas Determination of Back-up Gas Supply Charge Estimated for July 2020 To Be Applied to July 2020

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)	\$131,463
38	Monthly retail demand costs for Gas Rate Nos. D3 & D4 (Sch 1A, pg 2, ln 6)	73,458
39	Total retail demand costs for Gas Rates Nos. D3 & D4 (ln 37 + ln 38)	\$204,921
40	Estimated Monthly retail sales Dths for Gas Rates D3 & D4 (Sch. 2B, line 2)	168,581
41	Back-up supply capacity charge per unit (ln 39 / ln 40)	\$1.216
42	Back-up supply capacity charge modified for Indiana Utilities Receipts Tax (ln 41 / (1-1.40%))	\$1.233
43	PEPL monthly variable costs for Gas Rate Nos. D3 & D4 (Sch 4, pg 2, ln 5)	\$17,218
44	Total monthly non-demand costs for Gas Rate Nos. D3 & D4 (Sch 1, ln 18 + ln 19)	324,900
45	Total retail non-demand costs for Gas Rates Nos. D3 & D4 (ln 43 + ln 44)	\$342,118
46	Estimated monthly retail sales Dths for Gas Rates D3 & D4 (Sch. 2B, ln 2)	168,581
47	Back-up supply commodity charge per unit (ln 45 / ln 46)	\$2.029
48	Back-up supply commodity charge modified for Indiana Utilities Receipts Tax (ln 47 / (1-1.40%))	\$2.058
49	Total Back-up Gas Supply Charge (ln 42 + ln 48)	\$3.291

#### Citizens Gas Determination of Gas Supply Charge with Demand Cost Allocated Estimated for August 2020

Line		A	B Commodity	С
No.	_	Demand	and Other	Total
	Estimated Cost of Gas			
1	Purchased gas cost (Schedule 3, Page 3, ln 16)	\$782,573	\$2,753,980	\$3,536,553
2	PEPL Unnominated Quantities cost (Schedule 4 pg 3, ln 16 col A + ln 23)	_	608,625	608,625
3	Gas (injected into) withdrawn from storage - net cost (Schedule 5, ln 9)	(518,000)	(1,822,800)	(2,340,800)
4	Total estimated gas cost (ln 1 through ln 3)	\$264,573	\$1,539,805	\$1,804,378
5	Total Gas Supply variance (Sch 1, August, total of ln 17)	-	(74,364)	(74,364)
б	Total Balancing Demand variance (total of Sch 1 pg 2 ln 11 + Sch. 1, ln 28)		2,819	2,819
7	Dollars to be refunded (Schedule 12A, ln 16 * Sch 2B, ln 29, col. F)			
8	Total cost to be recovered through GCA (ln 4 + ln 5 + ln 6 - ln 7)	\$264,573	\$1,468,260	\$1,732,833
9	Net Write-Off Recovery Costs (ln 8 * 1.10%)			\$19,061
10	Total cost to be recovered through GCA (ln. 8 + ln 9)			\$1,751,894

Line No.	Estimated for August 2020 To Be Applied to August 2020 Sales						
		A Gas Rate No. Dl	B Gas Rate No. D2	C Gas Rate <u>No. D3/No. </u> 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 24)	(\$23)	(\$1,423)	-	-	-	
12	Throughput excluding Basic - Dth (Sch 2C, ln 3)	3,300	306,971	<u> </u>			
13	Total Balancing Demand Cost per unit of throughput (ln 11/ln 12)	(\$0.007)	(\$0.005)	-	-	-	
14	Retail demand cost per unit sales (Sch 1A, pg 3 ln 8)	\$0.263	\$0.632	\$0.059	\$0.521	-	
15	Monthly balancing demand cost per unit for GR D1 & D2 only (Sch 1A, pg 3, ln 11)	0.000	0.000				
16	Total demand cost to be recovered through GCA (ln 13 + ln 14 + ln 15)	\$0.256	\$0.627	\$0.059	\$0.521	\$0.000	
17	Total variance (Sch 12B, pg 1, ln 15) * (Sch 2B, ln 29)	(770)	(33,798)	(7,094)	(32,702)	0	
18	Dollars to be refunded ((ln 7) * Sch 2B, ln 25)	0	0	0	0	0	
19	Other non-demand gas costs (ln 4, col B - ln 2, col B) * (Sch 2B, ln 25)	6,403	595,601	78,120	251,056	0	
20	Total monthly non-demand costs to be recovered through Gas Supply Charge (ln 17 - ln 18 + ln 19)	\$5,633	\$561,803	\$71,026	\$218,354	\$0	
21	Sales subject to GCA - Dth (Schedule 2B, ln 3)	3,300	306,971	40,263	129,394	0	
22	Total monthly non-demand costs per unit sales (ln 20 / ln 21)	\$1.707	\$1.830	\$1.764	\$1.688	\$0.000	
23	Net Write-Off Recovery Cost (Sch 1C, pg 3 ln 4)	0.024	0.056	0.001	0.012	0.000	
24	PEPL Unnominated Quantites Retail Cost (Sch 4, pg 3 ln 8)	0.524	1.323	0.043	1.115	0.000	
25	PEPL Balancing Cost for Gas Rates D1 & D2 only (Sch 4, pg 3, ln 15)	0.054	0.054				
26	Gas Supply Charge to be recovered through GCA (ln 16 + ln 22 + ln 23 + ln 24 + ln 25)	\$2.565	\$3.890	\$1.867	\$3.336	\$0.000	
27	Gas Supply Charge modified for Indiana Utility Receipts Tax (ln 26 / (l - 1.40%))	\$2.601	\$3.945	\$1.894	\$3.383	\$0.000	

#### Citizens Gas Determination of Gas Supply Charge with Demand Cost Allocated Estimated for August 2020

#### Citizens Gas Determination of Balancing Demand Charge per Unit (Dth) Estimated For the Period August 2020 To Be Applied to the August 2020 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
	Calculation of Balancing Demand Charge per Unit (Dth)				
28	Balancing Demand Cost Variance (Sch12B, pg. 2, ln 13 * Sch 2C, ln 24)	(\$1,718)	(\$1,908)	\$150	\$7,741
29	Throughput excluding Basic - Dth (Sch 2C, ln 3)	194,953	316,733	155,810	23,064
30	Total Balancing Demand Cost variance per unit of throughput (ln 28/ ln 29)	(\$0.0088)	(\$0.0060)	\$0.0010	\$0.3356
31	Monthly balancing demand charge per unit of throughput (Sch 1A, pg 3, ln 11)	0.000	0.000	0.000	0.000
32	PEPL balancing demand charge per unit of throughput (Sch 4, pg 3, ln 15)	0.0540	0.0540	0.0540	0.0540
33	Total balancing demand charge per unit of throughput (ln 30 + ln 31 + ln 32)	\$0.0452	\$0.0480	\$0.0550	\$0.3896
34	Total balancing demand charge modified for Indiana Utilities Receipts Tax (ln 33 / (1-1.40%))	\$0.046	\$0.049	\$0.056	\$0.395

# Citizens Gas Determination of Basic Balancing Charge Estimated for August 2020 To Be Applied to August 2020

Line No.		A Gas Rate No. D3/No. D7	B Gas Rate No. D4	C Gas Rate No. D5	D Gas Rate No. D9
	Calculation of Basic Balancing Charge per unit (Dth)				
35	Basic Balancing Charge per unit ((Sch 1, ln 30 + ln 31 + ln 32) * .05)	0.0023	0.0024	0.0028	0.0195
36	Basic Balancing Charge modified for Indiana Utilities Receipts Tax (ln 35/ (1-1.40%))	\$0.002	\$0.002	\$0.003	\$0.020

# Citizens Gas Determination of Back-up Gas Supply Charge Estimated for August 2020 To Be Applied to August 2020

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 3, ln 2)	\$131,463
38	Monthly retail demand costs for Gas Rate Nos. D3 & D4 (Sch 1A, pg 3, ln 6)	69,743
39	Total retail demand costs for Gas Rates Nos. D3 & D4 (ln 37 + ln 38)	\$201,206
40	Estimated monthly retail sales Dths for Gas Rates D3 & D4 (Sch. 2B, line 3)	169,657
41	Back-up supply capacity charge per unit (ln 39 / ln 40)	\$1.186
42	Back-up supply capacity charge modified for Indiana Utilities Receipts Tax (ln 41 / (1-1.40%))	\$1.203
43	PEPL monthly variable costs for Gas Rate Nos. D3 & D4 (Sch 4, pg 3, ln 5)	\$14,536
44	Total monthly non-demand costs for Gas Rate Nos. D3 & D4 (Sch 1, ln 18 + ln 19)	329,176
45	Total retail non-demand costs for Gas Rates Nos. D3 & D4 (ln 43 + ln 44)	\$343,712
46	Estimated monthly retail sales Dths for Gas Rates D3 & D4 (Sch. 2B, ln 3)	169,657
47	Back-up supply commodity charge per unit (ln 45 / ln 46)	\$2.026
48	Back-up supply commodity charge modified for Indiana Utilities Receipts Tax (ln 47 / (1-1.40%))	\$2.055
49	Total Back-up Gas Supply Charge (ln 42 + ln 48)	\$3.258

#### Citizens Gas Allocation of Monthly Demand Cost June 2020

Lin No.	e Calculation of Demand Cost per Unit	A Gas Rate No. Dl	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
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)	\$936	\$209,295	\$2,582	\$72,674	-	-	\$285,487
5	Monthly TGT Unnom. demand costs - retail (ln 18 * 90%) * ln 3)	0	0	00	0			0
6	Total monthly retail demand costs (ln 4 + ln 5)	\$936	\$209,295	\$2,582	\$72,674	-	-	\$285,487
7	Estimated monthly retail sales- Dth (Sch 2B, ln 1)	3,856	356,677	39,973	134,411			534,917
8	Monthly retail demand cost per unit sales (ln 6 / ln 7)	\$0.243	\$0.587	\$0.065	\$0.541			\$0.534
9	Monthly balancing demand costs (ln 18 * 10%) * (Sch. 2C, ln 18)	0	0	0	0	0	0	0
10	Estimated monthly total throughput excl. Basic - Dth (Sch 2C, ln 1)	3,856	356,677	195,313	330,536	157,780	23,100	1,067,262
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	\$0.000

	Calculation of Monthly Demand Costs		emand Cost
	Exelon Generation Company, LLC		
12	Nominated Demand Costs	\$	953,620
13	TGT Unnominated Demand Costs	\$	-
14	IMGPA Prepay Demand Costs	\$	90,195
15	Demand Cost (Sch 3 ln 15 col G)	\$	(199,560)
16	Demand Cost (Sch 5 ln 3 col G)	\$	(558,768)
17	Monthly retail demand costs (ln 12 + sum( ln14 + ln15 + ln16))	\$	285,487
18	Unnominated Demand Costs (ln 13)	·	\$0
19	Total monthly demand costs ( ln 17 + ln 18)		\$285,487

### Citizens Gas Allocation of Monthly Demand Cost July 2020

Lin No.	e Calculation of Demand Cost per Unit	A Gas Rate No. Dl	B Gas Rate No. D2	C Gas Rate N <u>o. D3/No. D</u> 7	D Gas Rate No. D4	E Gas Rate No. D5	F Gas Rate No. D9	G Total
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	<pre>Peak day / Throughput allocation factors (ln 1 * 79%) + (ln 2 * 21%)</pre>	0.003279	0.733115	0.009045	0.254561	-	-	1.000000
4	Monthly retail demand costs (ln 17 * ln 3)	\$914	\$204,292	\$2,521	\$70,937	-	-	\$278,664
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)	\$914	\$204,292	\$2,521	\$70,937	-	-	\$278,664
7	Estimated monthly retail sales- Dth (Sch 2B, ln 2)	3,306	308,625	40,266	128,315			480,512
8	Monthly retail demand cost per unit sales (ln 6 / ln 7)	\$0.276	\$0.662	\$0.063	\$0.553			\$0.580
9	Monthly balancing demand costs (ln 18 * 10%) * (Sch. 2C, ln 19)	0	0	0	0	0	0	0
10	Estimated monthly total throughput - Dth (Sch 2C, ln 2)	3,306	308,625	195,080	317,015	156,120	23,064	1,003,210
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	\$0.000

	Calculation of Monthly Demand Costs	Demand Cost
12 13 14 15 16	Exelon Generation Company, LLC Nominated Demand Costs TGT Unnominated Demand Costs IMGPA Prepay Demand Costs Demand Cost (Sch 3 ln 15 col G) Demand Cost (Sch 5 Ln 6 Col G)	\$ 968,172 \$ - \$ 93,202 \$ (161,940) \$ (620,770)
17	Monthly retail demand costs (ln 12 + sum( ln 14 + ln15 + ln16))	\$ 278,664
18	Unnominated Demand Costs (ln 13)	\$0
19	Total Monthly demand costs ( ln 17 + ln 18)	\$ 278,664

# Citizens Gas Allocation of Monthly Demand Cost August 2020

Line No.	e Calculation of Demand Cost per Unit	A Gas Rate No. Dl	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
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)	\$868	\$193,962	\$2,393	\$67,350	-	-	\$264,573
5	Monthly TGT Unnom. demand costs - retail (ln 18 * 90%) * ln 3)	0	0	0	0	<u> </u>		0
6	Total monthly retail demand costs (ln 4 + ln 5)	\$868	\$193,962	\$2,393	\$67,350	-	-	\$264,573
7	Estimated monthly retail sales- Dth (Sch 2B, ln 3)	3,300	306,971	40,263	129,394		-	479,928
8	Monthly retail demand cost per unit sales (ln 6 / ln 7)	\$0.263	\$0.632	\$0.059	\$0.521			\$0.551
9	Monthly balancing demand costs (ln 18 * 10%) * (Sch. 2C, ln 20)	0	0	0	0	0	0	0
10	Estimated monthly total throughput - Dth (Sch 2C, ln 3)	3,300	306,971	194,953	316,733	155,810	23,064	1,000,831
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	\$0.000

	Calculation of Monthly Demand Costs		Demand Cost
	Exelon Generation Company, LLC		
12	Nominated Demand Costs	\$	968,172
13	TGT Unnominated Demand Costs	\$	-
14	IMGPA Prepay Demand Costs	\$	93,202
15	Demand Cost (Sch 3 ln 15 col G)	\$	(278,801)
16	Demand Cost (Sch 5 Ln 9 Col G)	\$	(518,000)
17	Monthly retail demand costs (ln 12 + sum( ln 14 + ln15 + ln16))	_	\$264,573
18	Unnominated Demand Costs (ln 13)		\$0
19	Total Monthly demand costs ( ln 17 + ln 18)		\$264,573

IURC Cause No. 37399-GCA 146 Attachment KLK - 7, Page 18 of 68 Schedule 1A, Page 3 of 3

# Citizens Gas Determination of Gas Cost Adjustment (GCA) Estimation Period June 1, 2020 through August 31, 2020 UAF Component in Rates (\$/DTH)

Line No.		A June 2020	B July 2020	C August 2020	D Total
1	Volume of pipeline gas purchases (Sch. 3) - Dths	1,692,113	1,666,294	1,510,814	4,869,221
2	Volume of Gas (injected into) withdrawn from storage (See Schedule 3B) - Dths	(1,144,704)	(1,175,509)	(1,021,481)	(3,341,694)
3	Total volume supplied - Dths	547,409	490,785	489,333	1,527,527
4	Less: Gas Division usage - Dths	(5,147)	(3,688)	(2,839)	(11,674)
5	Total volume of gas available for sale - Dths (In 3 + In 4)	542,262	487,097	486,494	1,515,853
6	UAF Percentage 1.360%	1.360%	1.360%	1.360%	
7	UAF Volumes - Dths (In 5 * In 6)	7,375	6,625	6,616	20,616
8	Average Commodity Rate - Schedule 3A	\$1.6754	\$1.7937	\$1.8228	
9	UAF Costs (In7 * In8)	\$12,356	\$11,883	\$12,060	\$36,299
10	Schedule 2B Retail sales volumes	534,917	480,512	479,928	1,495,357
11	UAF Component in rates - \$ per Dth (In9 / In10) 1/	\$0.0231	\$0.0247	\$0.0251	

1/ For informational purposes only.

#### Citizens Gas Allocation of Net Write-Off Recovery Cost June 2020

Line A В С D Е F No. Gas Rate Gas Rate Gas Rate Gas Rate Gas Rate Calculation of Net Write-Off Recovery Cost per Unit (Dth) No. Dl No. D2 No. D3/No. D7 No. D4 No. D5 Total Net Write-Off Recovery allocation factors 1 Cause No. 43975 1.000000 0.004201 0.908991 0.002576 0.083537 0.000695 Net Write-Off Recovery cost 2 (Sch. 1, ln 9) \* ln 1 \$82 \$17,788 \$50 \$1,635 \$14 \$19,569 3 Estimated retail sales- Dth (Sch 2B, ln 1) 3,856 356,677 39,973 134,411 534,917 0 Net Write-Off Recovery cost per unit sales (ln 2 / ln 3) \$0.021 \$0.001 \$0.012 4 \$0.050 \$0.000

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### Citizens Gas Allocation of Net Write-Off Recovery Cost July 2020

Lin	e						
No.	_	A Gas Rate	B Gas Rate	C Gas Rate	D Gas Rate	E Gas Rate	F
	Calculation of Net Write-Off Recovery Cost per Unit (Dth)	No. D1	No. D2	No. D3/No. D7	No. D4	No. D5	Total
	Net Write-Off Recovery allocation factors						
1	Cause No. 43975	0.004201	0.908991	0.002576	0.083537	0.000695	1.000000
	Net Write-Off Recovery cost						
2	(Sch. 1, ln 9) * ln 1	\$81	\$17,529	\$50	\$1,611	\$13	\$19,284
3	Estimated retail sales- Dth (Sch 2B, ln 2)	3,306	308,625	40,266	128,315	0	480,512
	Net Write-Off Recovery cost per unit sales						
4	(ln 2 / ln 3)	\$0.025	\$0.057	\$0.001	\$0.013	\$0.000	

### Citizens Gas Allocation of Net Write-Off Recovery Cost August 2020

Line	e						
No.	_	A Coo Dobo	B	C C	D	E	F
	Calculation of Net Write-Off Recovery Cost per Unit (Dth)	Gas Rate No. Dl	Gas Rate No. D2	Gas Rate No. D3/No. D7	Gas Rate No. D4	Gas Rate No. D5	Total
	Net Write-Off Recovery allocation factors						
1	Cause No. 43975	0.004201	0.908991	0.002576	0.083537	0.000695	1.000000
	Net Write-Off Recovery cost						
2	(Sch. 1, ln 9) * ln 1	\$80	\$17,327	\$49	\$1,592	\$13	\$19,061
3	Estimated retail sales- Dth (Sch 2B, ln 3)	3,300	306,971	40,263	129,394	0	479,928
	Net Write-Off Recovery cost per unit sales						
4	(ln 2 / ln 3)	\$0.024	\$0.056	\$0.001	\$0.012	\$0.000	

# Citizens Gas Estimated Total Throughput for Twelve Months Ending May 2021

		А	В	C	D	Е	F	G Total Throughput
Line No.		Gas Rate No. Dl	Gas Rate No. D2	Gas Rate No. D3/No. D7	Gas Rate No. D4	Gas Rate No. D5	Gas Rate No. D9	Subject to GCA
	Estimated Total Throughput Volumes (Dth) for Twelve Months Ending <u>May 2021</u>							
1	June 2020	3,856	356,677	209,713	334,316	229,495	755,970	1,890,027
2	July 2020	3,306	308,625	209,464	320,735	227,014	771,559	1,840,703
3	August 2020	3,300	306,971	209,337	320,453	226,515	771,373	1,837,949
4	First Quarter	10,462	972,273	628,514	975,504	683,024	2,298,902	5,568,679
5	September 2020	4,097	362,349	200,490	394,925	242,641	645,480	1,849,982
6	October 2020	4,912	687,973	245,766	619,339	301,478	545,662	2,405,130
7	November 2020	9,868	1,788,088	263,142	1,131,730	373,859	803,370	4,370,057
8	Second Quarter	18,877	2,838,410	709,398	2,145,994	917,978	1,994,512	8,625,169
9	December 2020	16,309	3,694,518	291,369	2,090,477	463,990	476,222	7,032,885
10	January 2021	19,670	4,056,714	287,882	2,518,174	489,788	348,316	7,720,544
11	February 2021	16,845	4,026,464	249,910	2,333,340	438,536	331,520	7,396,615
12	Third Quarter	52,824	11,777,696	829,161	6,941,991	1,392,314	1,156,058	22,150,044
13 14	March 2021 April 2021	11,295 7,603	2,803,785 1,900,881	231,579 226,436	1,654,938 1,059,726	388,840 311,567	451,546 540,600	5,541,983 4,046,813
15	May 2021	5,077	879,072	216,330	564,429	258,981	782,037	2,705,926
16	Fourth Quarter	23,975	5,583,738	674,345	3,279,093	959,388	1,774,183	12,294,722
17	Total Throughput - Dth	106,138	21,172,117	2,841,418	13,342,582	3,952,704	7,223,655	48,638,614
18	Quarterly Allocation Factor First Quarter (line 4/line 17)	0.098570	0.045922	0.221198	0.073112	0.172799	0.318247	0.114491
19	Second Quarter (line 8/line 17)	0.177853	0.134064	0.249663	0.160838	0.232241	0.276108	0.177332
20	Third Quarter (line 12/line 17)	0.497692	0.556283	0.291812	0.520288	0.352243	0.160038	0.455400
21	Fourth Quarter (line 16/line 17)	0.225885	0.263731	0.237327	0.245762	0.242717	0.245607	0.252777
	Current Throughput Allocation Factor							
22	Allocation of June 2020 Estimated Throughput (line 1/line 1, column G)	0.002040	0.188716	0.110958	0.176884	0.121424	0.399978	1.000000
23	Allocation of July 2020 Estimated Throughput (line 2/line 2, column G)	0.001796	0.167667	0.113796	0.174246	0.123330	0.419165	1.000000
24	Allocation of August 2020 Estimated Throughput (line 3/line 3, column G)	0.001795	0.167019	0.113897	0.174354	0.123243	0.419692	1.000000
25	Allocation of Quarter Estimated Throughput (line 4/line 4, column G)	0.001879	0.174596	0.112866	0.175177	0.122655	0.412827	1.000000
	Monthly Allocation Factors							
26	June 2020 (line 1/line 4)	0.368572	0.366849	0.333664	0.342711	0.335999	0.328839	0.339403
27	July 2020 (line 2/line 4)	0.316001	0.317426	0.333269	0.328789	0.332366	0.335621	0.330546
28	August 2020 (line 3/line 4)	0.315427	0.315725	0.333067	0.328500	0.331635	0.335540	0.330051
29	Total Throughput Allocation Factor (line 17/line 17, col. G)	0.002182	0.435294	0.058419	0.274321	0.081267	0.148517	1.000000

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#### Citizens Gas Estimated Retail Sales Volume for Twelve Months Ending May 2021

Line No.		A Gas Rate No. Dl	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
110.	Estimated Retail Sales Volumes (Dth) for Twelve Months Ending May 2021	NO. DI	NO. 52	<u> </u>	NO. D1	NO. 35	
1	June 2020	3,856	356,677	39,973	134,411	0	534,917
2	July 2020 August 2020	3,306	308,625	40,266 40,263	128,315 129,394	0	480,512
	-	3,300	306,971				479,92
4	First Quarter	10,462	972,273	120,502	392,120	0	1,495,35
5	September 2020	4,097	362,349	27,870	156,266	0	550,58
6 7	October 2020 November 2020	4,912 9,868	687,973 1,788,088	56,108 57,202	186,138 473,789	0	935,13 2,328,94
8	Second Quarter	18,877	2,838,410	141,180	816,193	0	3,814,66
	_						
9 10	December 2020 January 2021	16,309 19,670	3,694,518 4,056,714	65,237 55,978	1,153,024 1,500,850	0	4,929,08 5,633,21
11	February 2021	16,845	4,026,464	29,410	1,474,999	0	5,547,71
12	Third Quarter	52,824	11,777,696	150,625	4,128,873	0	16,110,01
13	March 2021	11,295	2,803,785	22,257	950,667	0	3,788,00
14	April 2021	7,603	1,900,881	34,553	595,054	0	2,538,09
15 16	May 2021	5,077	879,072 5,583,738	36,250	263,220	0	1,183,61
10		237573	5,505,750	557000	1/000/211		
17	Total Retail Sales - Dth	106,138	21,172,117	505,367	7,146,127	0	28,929,74
	Quarterly Retail Allocation Factor						
18	First Quarter (line 4/line 17)	0.098570	0.045922	0.238445	0.054871	0.000000	0.05169
19	Second Quarter (line 8/line 17)	0.177853	0.134064	0.279361	0.114215	0.00000	0.13185
20	Third Quarter (line 12/line 17)	0.497692	0.556283	0.298051	0.577778	0.00000	0.55686
21	Fourth Quarter (line 16/line 17)	0.225885	0.263731	0.184143	0.253136	0.00000	0.25958
22	Annual (line 17 / line 17, Column F)	0.003669	0.731845	0.017469	0.247017	0.00000	1.00000
	Current Retail Sales Allocation Factor						
	Allocation of June 2020 Estimated Throughput						
23	(line 1/line 1, column F)	0.007209	0.666790	0.074727	0.251274	0.000000	1.00000
24	Allocation of July 2020 Estimated Throughput (line 2/line 2, column F)	0.006880	0.642284	0.083798	0.267038	0.000000	1.00000
25	Allocation of August 2020 Estimated Throughput (line 3/line 3, column F)	0.006876	0.639619	0.083894	0.269611	0.000000	1.00000
25			0.000010	01003031	01203011	0.000000	1.00000
26	Allocation of Quarter Estimated Retail Sales (line 4/line 4, column F)	0.006996	0.650195	0.080584	0.262225	0.000000	1.00000
	Monthly Retail Allocation Factors						
	June 2020 (line 1/line 4)	0.368572	0.366849	0.331721	0.342780	0.000000	0.3577
27	(11112 1/11112 4)						
27 28	July 2020 (line 2/line 4)	0.316001	0.317426	0.334152	0.327234	0.000000	0.3213

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Line		A	B	C	D	E	F	G Total Throughput
No.		Gas Rate No. Dl	Gas Rate No. D2	Gas Rate No. D3/No. D7	Gas Rate No. D4	Gas Rate No. D5	Gas Rate No. D9	Subject to GCA
	Estimated Total Throughput Excluding Basic Volumes (Dth) for Twelve Months Ending <u>May 2021</u>							
1	June 2020	3,856	356,677	195,313	330,536	157,780	23,100	1,067,262
2	July 2020 August 2020	3,306 3,300	308,625 306,971	195,080 194,953	317,015 316,733	156,120 155,810	23,064 23,064	1,003,210 1,000,831
4	First Quarter	10,462	972,273	585,346	964,284	469,710	69,228	3,071,303
5	September 2020	4,097	362,349	185,970	390,965	166,600	23,280	1,133,261
6 7	October 2020 November 2020	4,912 9,868	687,973 1,788,088	230,537 247,369	614,565 1,125,970	206,092 254,680	24,118 25,140	1,768,197 3,451,115
8	Second Quarter	18,877	2,838,410	663,876	2,131,500	627,372	72,538	6,352,573
9	December 2020	16,309	3,694,518	274,881	2,083,533	315,150	26,350	6,410,741
10 11	January 2021 February 2021	19,670 16,845	4,056,714 4,026,464	271,206 233,597	2,510,858 2,326,732	332,448 298,072	26,722 26,040	7,217,618
12	Third Quarter	52,824	11,777,696	779,684	6,921,123	945,670	79,112	20,556,109
13	March 2021	11,295	2,803,785	215,658	1,648,986	264,744	25,296	4,969,764
14	April 2021	7,603	1,900,881	211,150	1,054,806	212,860	24,240	3,411,540
15	May 2021	5,077	879,072	201,479	560,275	177,572	23,498	1,846,973
16	Fourth Quarter	23,975	5,583,738	628,287	3,264,067	655,176	73,034	10,228,277
17	Total Throughput excl. Basic - Dth =	106,138	21,172,117	2,657,193	13,280,974	2,697,928	293,912	40,208,262
	Current Throughput Excl. Basic Allocation Fact	or						
18	Allocation of June 2020 Estimated Throughput (line 1/line 1, column G)	0.003613	0.334198	0.183004	0.309705	0.147836	0.021644	1.000000
19	Allocation of July 2020 Estimated Throughput (line 2/line 2, column G)	0.003295	0.307638	0.194456	0.316001	0.155620	0.022990	1.000000
20	Allocation of August 2020 Estimated Throughput (line 3/line 3, column G)	0.003297	0.306716	0.194791	0.316470	0.155681	0.023045	1.000000
21	Total Throughput Excl. Basic Allocation Factor (line 17/line 17, col. G)	0.002640	0.526560	0.066086	0.330305	0.067099	0.007310	1.000000
	Monthly Total Throughput less Basic							
22	June 2020 (line 1/line 4)	0.368572	0.366849	0.333671	0.342779	0.335910	0.333680	0.347495
23	July 2020 (line 2/line 4)	0.316001	0.317426	0.333273	0.328757	0.332375	0.333160	0.326640
24	August 2020 (line 3/line 4)	0.315427	0.315725	0.333056	0.328464	0.331715	0.333160	0.325865

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		A Estim	B Nated Purc	C	D Supplier	E Rates Estimate	F	G	H Estimated Co	I sts	J
Line No.	Month and Supplier	Demand	C	ommodity DTH	Demand \$/DTH	Commodity \$/DTH	Other \$/MCF	Demand (A x D)	Commodity (C x E)	Other	Total (G+H+I)
	June 2020										
Exel	on Generation Company, LLC										
1	Panhandle Eastern Pipeline - TOR			944,167		\$1.6421			\$1,550,417		\$1,550,417
2	Texas Gas Transmission - TOR			174,311		1.8633			324,794		324,794
3	TGT-REX			181,372		1.8202			330,133		330,133
4	Indiana Municipal Gas Purchasing Authority - TOR			5,550		1.6421			9,114		9,114
5	Indiana Municipal Gas Purchasing Authority - Prepay			144,450		1.3098			189,201		189,201
6	Rex Delivered			300,000		1.7390			521,700		521,700
7	Rockies Express Pipeline - TOR					1.7298			-		-
8	PEAK Midwestern Gas Transmission Purchases			300,000		1.5590 1.8012			467,700		467,700
10	Fixed Price Purchases			=		1.8012			-		=
10	Hedging Transaction Costs								29,804		29,804
12	Boil-off / Peaking purchase			42,263		1.9490			82,371		82,371
13	Net Demand Cost Charges - AMA			42,205		1.9490		953,620	82,371		953,620
14	Demand Cost Charges - IMGPA - Prepay	5,000	1		18.0390			90,195			90,195
15	Texas Gas - NNS - (Injections)/Withdrawls	5,000	,	(400,000)	0.4989	1.6755		(199,560)	(670,200)		(869,760)
16	Total			1,692,113			—	\$844,255	\$2,835,034		\$3,679,289

#### Citizens Gas Purchased Gas Cost - Estimated June 2020

					UUIY 2020	,					
		A Est:	B imated Pur	C chases	D Supplie	E er Rates Estimat	F .ed	G H I Estimated Costs			J
Line No.	Month and Supplier	Demand	MCF	Commodity	Demand \$/DTH	Commodity \$/DTH	Other \$/MCF	Demand (A x D)	Commodity (C x E)	Other	Total (G+H+I)
	July 2020										
Exel 1 2 3 4 5 6 7 8 9 10 11 12	on Generation Company, LLC Panhandle Eastern Pipeline - TOR Texas Gas Transmission - TOR TGT-REX Indiana Municipal Gas Purchasing Authority - TOR Indiana Municipal Gas Purchasing Authority - Prepay Rex Delivered Rockies Express Pipeline - TOR PEAK Midwestern Gas Transmission Purchases Fixed Price Purchases Hedging Transaction Costs Boil-off / Peaking purchase			793,349 174,310 181,372 5,735 149,265 310,000 - 310,000 - 42,263		\$1.7730 1.9540 1.9111 1.7730 1.4407 1.8530 1.8152 1.6730 1.8890 2.0630			\$1,406,608 340,602 346,620 10,168 215,046 574,430 - 518,630 - 27,647 87,189		\$1,406,608 340,602 346,620 10,168 215,046 574,430 - - - - - - - - - - - - -
13 14 15	Net Demand Cost Charges - AMA Demand Cost Charges - IMGPA - Prepay Texas Gas - NNS - (Injections)/Withdrawls	5,00	0	(300,000)	18.6404 0.5398	1.7937		968,172 93,202 (161,940)	(538,110)		968,172 93,202 (700,050)
16	Total		_	1,666,294			=	\$899,434	\$2,988,830		\$3,888,264

#### Citizens Gas Purchased Gas Cost – Estimated July 2020

August 2020										
	A B Estimated P	C urchases	D Supplie:	E r Rates Estimate	F ed	G H I Estimated Costs			J	
Line No. Month and Supplier	Demand MCF	Commodity DTH	Demand \$/DTH	Commodity \$/DTH	Other \$/MCF	Demand (A x D)	Commodity (C x E)	Other	Total (G+H+I)	
August 2020       Exelon Generation Company, LLC       1     Panhandle Eastern Pipeline - TOR       2     Texas Gas Transmission - TOR       3     TGT-REX       4     Indiana Municipal Gas Purchasing Authority - TOR       5     Indiana Municipal Gas Purchasing Authority - Prepay       6     Rex Delivered       7     Rockies Express Pipeline - TOR       8     PEAK       9     Midwestern Gas Transmission Purchases       10     Fixed Price Purchases       11     Hedging Transaction Costs       12     Boil-off / Peaking purchase       13     Net Demand Cost Charges - AMA       14     Demand Cost Charges - IMGPA - Prepay       15     Texas Gas - NNS - (Injections)/Withdrawls	5,000	876,094 174,310 181,372 5,735 149,265 310,000 - 310,000 - 42,263 (538,225)	18.6404 0.5180	\$1.7889 1.9770 1.9391 1.7889 1.4566 1.9080 1.7290 1.7280 1.9273 2.1180 1.8228		968,172 93,202 (278,801)	\$1,567,245 344,611 351,698 10,259 217,419 591,480 - 535,680 - 27,152 89,513 - (981,077)		\$1,567,245 344,611 351,698 10,259 217,419 591,480 - 535,680 - 27,152 89,513 968,172 93,202 (1,259,878)	
16 Total	=	1,510,814			_	\$782,573	\$2,753,980		\$3,536,553	

#### Citizens Gas Purchased Gas Cost - Estimated August 2020

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

Be         Jun 2020         Jul 2020         Aug 2020         Total           Commodiv Volumes (Dh)		Non-pipeline	Supplies, Storage Injections, and Company Usage			
Authors for Relat:         944.857         703.30         95.004         225.55           MICPA TOR         944.857         703.30         95.004         142.255	Line No	Description	Jun 2020	Jul 2020	Aug 2020	Total
Parkands TOR         P44,197         773.248         P47.034         247.035         247.035         247.034         247.034         247.034         247.034         247.034         247.034         247.034         247.034         247.034         247.034         247.034         247.034         247.034         247.034         247.034         247.034         247.034         247.034         247.034		Commodity Volumes (Dth)				
2         MCPA TOR         5.560         5.735         5.735         1722           4         Mthesem Gas         0						
3         MADPA Propy Mode Express TOR - Monthy         144.450         142.255         142.255         442.265           5         Robus Express TOR - Monthy         0         0         0         0           6         Robus Express TOR - Monthy         0         0         0         0           7         Res Deleves         131.00.00         310.00.00         320.00.00         330.00.00         350.00.00           8         Teas Cas TOR         181.322         181.332         163.10.00         350.00.00.00.00.00.00.00.00         350.00.	1					2,613,610
4     Metweater Gas     0     0     0       6     Rodate Expert TOR Monhy     20     0     0     0       7     PEAK     20000     310,000     20000       7     Peak For Parkase (Sr. 3)     177,411     174,310     174,312       9     Toris Gar TOR     181,372     181,372     181,372       9     Toris Gar TOR     181,372     181,372     181,372       10     RecUbered     320,000     100,000     100,000       11     Toris Gar TOR     140,000     100,000     100,000       12     Deford Parkap pathases (Sr. 3)     42,000     100,000       13     Currendy Lint?     1,004,014     4,000,20       14     Toris Demand Costs (Sr. 3)     29,029,02     20,029       15     Demand Costs (Sr. 3)     29,029,02     20,029       14     Toris Demand Costs (Sr. 3)     19,0499     10,021       15     Demand Costs (Sr. 3)     29,0499     20,039     20,039       16     MORA Props     19,421     17,720     17,789       17     MPA TOR     19,421     17,720     17,789       18     MORA Props     1,5421     17,720     17,789       19     Avanual Delay Service - Nobesetin Oas	2					17,020
5       Rocke Epres DD-Morthy       0       0       0       0       0         7       Feed Price Pachase (Sh. 3)       70       90       0						
PEAK         S00.000         310.000         310.000         320.000           1         Teas Cas TOR         174.311         174.310         174.320<						(
Find Thics Purchases (8b. 3)         0         0         0           1         Tors. Soc TOR         111,372         1						
1         Torse Gas TOR         174.311         174.310         174.322         184.1272         184.1272         184.1272         184.1272         184.12         177.322         174.310         174.310         174.320         174.231         177.32         174.328         128.2251         128.2251         128.2251         128.2251         128.2251         128.2251         128.2251         128.2251         128.2251         128.2251         128.2251         128.2252         128.2251         128.2251         128.2251         128.2251         128.2251         128.2251         128.2251         128.2251         128.2251         128.2251         128.257         128.2251         128.257         128.2251         128.257         128.2251         128.257         128.2256         128.257         128.2551						920,000
a)       TGT-Rex East       181,372       182,382       182,382       182,382       182,382       182,382       182,382       182,382       182,382       182,382       182,382       182,382       182,382       182,382       183,372						
10         Rec Deletered         300,000         310,000         310,000         320,000         310,000         320,000         310,000         320,000         <						
11       Tess Gas NNS       (400,000)       (930,200)       (930,200)       (930,200)       (930,220)       (12,322)         13       Total Retail Volumes (Lrit insugh Lrif)       1,992,113       1,966,244       1,510,814       4,860,224         14       Teal Demand Cots (Sch. 3)       5844,265       5899,434       5722,673       52,560,24         15       Demand Cots (Sch. 3)       50,4899       \$0,0309       \$0,0309       \$0,0309         16       Parkande Cots (Sch. 3)       51,4421       \$1,7730       \$1,7899         16       Parkande Cots (Sch. 3)       51,4421       \$1,7730       \$1,7899         17       MCRA Pepay       1,36421       \$1,7730       \$1,7899         18       MCRA Pepay       1,3081       1,4407       1,4466         19       Around Deriver Series       1,3091       1,273       1,7899         18       MCRA Pepay       1,3081       1,4407       1,4466       1,9770         21       Rock Pepay       1,3091       1,273       1,7899       1,9770         22       Foode Portrobases (Gr. 3)       0,0000       0,0000       1,9770       1,8330       1,999       2,956         23       Totas Cas TOR       1,981       1,95						
12     Bol-off Pasking purchases (Sch. 3)     42.263     42.263     42.263     126.75       13     Call Retail Volumes     1.692,113     1.696,294     1.510,814     4.866,224       14     Total Demand Costs (Sch. 3)     S944,255     S989,434     S782,573     S22,528,26       15     Demand Costs (Sch. 3)     S944,255     S989,434     S782,573     S2,528,26       16     Penhunde TOR     S1,442,1     S1,7730     S1,7889       17     MGPA TOR     1.464,1     1.7230     1.7889       18     MGPA TOR     1.464,1     1.7230     1.7889       19     Annual Delworg Serice - Molecitem Gas     1.0012     1.8890     1.9273       10     Rocke Spress TOR - Monthly     1.7288     1.8512     1.7986       11     Statistica     1.6263     1.8300     1.9300       12     Faced Price Parchases (Sch. 3)     1.6653     1.7330     1.7380       13     Total Series TOR (In St. 1.73)     1.8300     1.9300     2.1632       14     Statistica     1.7380     1.8300     1.9300       15     Bol-off / Pashing purchases (Sch. 3)     1.6623     1.7370     1.7380       16     Pashing purchases (Sch. 3)     1.662,301     1.52,01     2.656,41     1.7086						
13       (Ln1 through Ln12)       1822,113       1868,224       1,510,814       4888,223         Demand Rate         14       Total Demand Costs (Sch. 3)       S242,255       S899,434       \$762,573       \$2,220,24         15       Demand Costs (Sch. 3)       \$2,020,25         Commody Rate         16       Parkande TOR         17       MG/FA TOR         NMG/FA TOR         18/16/21       \$1,7730       \$1,7889         18/16/21       \$1,6421       \$1,7730       \$1,7889         18/16/21       \$1,6421       \$1,7730       \$1,7889         18/16/21       \$1,8621       \$1,6421       \$1,7730       \$1,7889         18/16/21       \$1,8621       \$1,7730       <						126,78
Demand Rate           14         Total Demand Costs (Sch. 3)         \$844,255         \$899,434         \$762,673         \$2,252,82           15         Demand Cost per Dh (Line 14 / Line 13)         \$0,4899         \$0,5398         \$0,5180         \$0,5180           15         Demand Cost per Dh (Line 14 / Line 13)         \$0,4899         \$0,5398         \$0,5180         \$0,518           16         Parhande TOR         \$1,6421         \$1,7730         \$1,7899         \$1,6421         \$1,7730         \$1,7899           18         MGPA Popa puic Modestern Gas         \$1,8012         \$1,8809         \$1,0273         \$1,789           19         Armund Delwey Sarkos- Midwestern Gas         \$1,8012         \$1,8809         \$1,0273         \$1,789           20         Rockies Express TOR - Monthy         \$1,7288         \$1,8152         \$1,790         \$1,289           21         PEAK         \$1,5500,417         \$1,406,008         \$1,567,45         \$4,524,77           22         Fised Dire Unchases (Sch. 3)         \$1,560,417         \$1,406,008         \$1,567,245         \$4,524,77           23         Texts Gas TOR         \$1,890         \$2,200,00         \$2,180         \$1,990         \$2,205,01         \$2,2180         \$1,990         \$2,205,01 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td></t<>						
14     Total Demand Costs (Sch. 3)     5844.255     5899.434     5782.573     52.558.2       15     Demand Cost per Dh (Line 14 / Line 13)     50.4689     50.5389     50.5180     50.518       Commodity Rate       16     Parbande TOR     16.421     51.7730     51.7889       17     MOPA TOR     16.421     17.730     51.7889       18     MOPA TOR     16.421     17.730     17.889       19     Annual Delevery Service - Molvestem Gas     13.0908     14.407     1.4566       20     Rockies Express TOR - Monthy     17.288     18.152     1.7986       21     PEK     15.5500     1.6733     1.7280       22     Fixed Price Purchanaes (Sch. 3)     0.0000     0.0000     0.0000       23     Tores Gas TOR     1.8633     1.9111     1.3981       24     TGT-Rex East     1.8252     1.9111     1.3981       25     MOPA- Autority Purchases (Sch.3)     1.920     2.020     2.1282       26     MOPA- Autority Purchases (Sch.3)     1.920     2.020     2.1380       27     Rac Delevered     1.7390     1.8203     1.9301     2.520.2       28     MOPA- Autority Propay (Ln 3 XL 18)     0     0     0     0	13		1,692,113	1,666,294	1,510,814	4,869,221
15     Demand Cost per Dh (Line 14 / Line 13)     S0.4999     \$0.5398     \$0.5180       16     Panhandle TOR     \$1.6421     \$1.7730     \$1.7889       17     #MCPA TOR     1.6421     \$1.7730     \$1.7889       18     MCPA TOR     1.6421     \$1.7730     \$1.7889       19     Annual Delevery Service - Midwestern Gas     1.0098     1.4407     1.4666       20     Rockbie Sepress TOR - Monthly     1.7298     1.6730     1.7289       21     PEAK     1.5590     1.6730     1.7289       22     Pread Price Puritases (Sch. 3)     0.0000     0.0000     0.0000       23     Trass Gas TOR     1.6352     1.7371     1.2238       24     PERL (Ln 1 xLn 16)     \$1.560,417     \$1.406,608     \$1.567,246     24.54.24.27       25     Boil-off Pasing purchases (Sch. 3)     1.0490     2.0530     1.1980       26     Boil-off Pasing purchases (Sch. 3)     1.9490     2.0530     1.9800       27     Rox Delivered     1.7390     1.6530     1.9239       28     PERL (Ln 1 xLn 16)     \$1.560,417     \$1.406,608     \$1.567,246     24.524.27       29     MMCPA - TOR (Ln 2 xLn 17)     0     0     0     0       31     Midwestern (Ln 4 xLn 19)						
Commode Rate           16         Penhandie TOR         \$1,6421         \$1,7730         \$1,7889           17         MORPA TOR         1,6421         \$1,7730         \$1,7889           18         MORPA TOR         1,3038         1,4407         1,4566           19         Annual Delivery Service - Midwestern Gas         1,3012         1,8890         1,9273           20         Rockies Express TOR - Monthy         1,7289         1,8152         1,7996           21         PEAK         1,5500         1,6730         1,7280           22         Fixed Price Purchases (Sch. 3)         0,0000         0,0000         0,0000           24         TGT-Rex East         1,2022         1,9111         1,9391           25         Tess Gas NNS         1,2765         1,7897         1,8228           26         Bold-off Peaking purchases (Sch. 3)         1,4940         2,0630         2,1140           27         Rex Delivered         1,7390         1,8530         1,9980           28         Deliver MC (Ln 2 k.in 17)         1,414         1,0168         10,259         29,454           29         MGPA- TOR (Ln 2 k.in 17)         1,47700         51,6630         53,5880         1,522,01 <tr< td=""><td>14</td><td>Total Demand Costs (Sch. 3)</td><td>\$844,255</td><td>\$899,434</td><td>\$782,573</td><td>\$2,526,262</td></tr<>	14	Total Demand Costs (Sch. 3)	\$844,255	\$899,434	\$782,573	\$2,526,262
Interpretation         S1.6421         S1.730         S1.7889           17         MGPA TOR         1.6421         1.7730         1.7889           18         MGPA Topay         1.3096         1.4407         1.4566           19         Annual Delivery Service - Movestem Gas         1.8012         1.8890         1.9273           20         Rockes Express TOR - Monthly         1.7286         1.8152         1.7996           21         PEAK         0.0000         0.0000         0.0000           23         Towas Gas TOR         1.8633         1.9540         1.9770           24         Fled Price Purchases (Sch. 3)         1.9490         2.0630         2.1180           25         Towas Gas TOR         1.8755         1.7337         1.8228           26         Boli-0ff Peaking purchases (Sch. 3)         1.9490         2.0630         2.1180           27         Rex Delivered         1.7390         1.8530         1.9080           27         Rex Delivered         1.7390         1.8530         1.9080           27         Rex Delivered Int x Ln 18)         1.9275         1.7419         621.66           30         Midyen-TOR (Ln x Ln 17)         9.114         10.168         10.259	15	Demand Cost per Dth (Line 14 / Line 13)	\$0.4989	\$0.5398	\$0.5180	\$0.5188
Interpretation         S1.6421         S1.730         S1.7889           17         MGPA TOR         1.6421         1.7730         1.7889           18         MGPA Topay         1.3096         1.4407         1.4566           19         Annual Delivery Service - Movestem Gas         1.8012         1.8890         1.9273           20         Rockes Express TOR - Monthly         1.7286         1.8152         1.7996           21         PEAK         0.0000         0.0000         0.0000           23         Towas Gas TOR         1.8633         1.9540         1.9770           24         Fled Price Purchases (Sch. 3)         1.9490         2.0630         2.1180           25         Towas Gas TOR         1.8755         1.7337         1.8228           26         Boli-0ff Peaking purchases (Sch. 3)         1.9490         2.0630         2.1180           27         Rex Delivered         1.7390         1.8530         1.9080           27         Rex Delivered         1.7390         1.8530         1.9080           27         Rex Delivered Int x Ln 18)         1.9275         1.7419         621.66           30         Midyen-TOR (Ln x Ln 17)         9.114         10.168         10.259						
17       MGPA TOR       1.6421       1.7730       1.7889         18       MGPA Popay       1.3038       1.4407       1.4666         19       Annual Delivery Service - Monthy       1.9273       0.0000       0.0000         19       Packies Express TOR - Monthy       1.5580       1.7728       1.7889         21       PEAK       1.5580       1.6730       1.7280         22       Fixed Price Purchases (Sch. 3)       0.0000       0.0000       0.0000         23       Toxas Gas TOR       1.8202       1.9111       1.9391         24       TOT-Rex East       1.8202       1.9111       1.9291         25       Toxas Gas NNS       1.6755       1.73307       1.8228         26       Bol-toff Peaking purchases (Sch. 3)       1.6755       1.7330       1.8230       1.990         27       Rax Deliverid       1.7390       1.8530       1.967,245       \$4,524,27         28       PERL (Ln 1 x Ln 16)       \$1,567,417       \$1,406,608       \$1,567,245       \$4,524,27         29       IMGPA - Authority Prepay (Ln 3 x Ln 18)       1.99,201       215,046       217,419       621,66         31       Midvester (Ln 4 x Ln 19)       0       0       0		Commodity Rate				
18       MKGPA Prepay       1.3098       1.4077       1.4566         9       Anual Delivery Service - Mdwester Gas       18.1012       1.8800       1.9273         20       Rockies Express TOR - Monthly       1.7298       1.8152       1.7296         21       PEAK       1.5590       1.6730       1.7280         22       Fued Price Purchases (Sch. 3)       0.0000       0.0000       0.0000         23       Texas Gas TOR       1.8633       1.9540       1.9770         24       Texas Gas NNS       1.6755       1.7397       1.8228         26       Bol-off Peaking purchases (Sch. 3)       1.9490       2.0630       2.1110         27       Rex Delivered       1.7390       1.8530       1.9080         28       PEFL (Lin 1 kLn 16)       \$1.550.417       \$1.406.608       \$1.557.245       \$4.524.27         28       PEFL (Lin 1 kLn 16)       \$1.550.417       \$1.406.608       \$1.557.245       \$4.524.27         30       MiGPA - Autority Prepy (Lin 3 kLn 18)       189.201       215.046       217.419       621.66         31       Midvester (Lin 4 kLn 19)       0       0       0       0       0       0       0       0       0       0       0						
19       Annual Delivery Service - Midwestern Gas       1.812       1.8890       1.9273         20       Rockies Express TCR - Monthly       1.7298       1.8152       1.7986         21       PEAK       1.5500       1.6733       1.7280         22       Faxas Gas TOR       1.8633       1.9540       1.9770         23       Texas Gas TOR       1.8633       1.9540       1.9770         24       TGT-Rac East       1.8202       1.9111       1.9391         25       Texas Gas TOR       1.9640       2.0633       2.1180         26       Boll-off Peaking purchases (Sch. 3)       1.9490       2.0630       2.1180         27       Rex Delivered       1.7390       1.6523       1.9380         28       PEFL (Ln 1 xLn 16)       \$1.505,417       \$1.406,608       \$1.567,245       \$4.524,27         29       IMGPA - Authority Prepay (Ln 3 xLn 18)       199,201       2.15,466       2.17,419       621,681         210       McPA - Authority Prepay (Ln 3 xLn 18)       1.99,201       2.15,646       2.17,419       621,683         211       Midwestern (Ln 4 xLn 19)       0       0       0       0       0         213       MCPA - Authority Prepay (Ln 3 xLn 12)						
20       Rockies Express TOR - Monthly       1.728       1.8152       1.7996         21       PEAK       1.5590       1.6730       1.7280         22       Fixed Price Purchases (Sch. 3)       0.0000       0.0000       0.0000         23       Texas Gas TOR       1.8633       1.9540       1.9770         24       TCR-Rex East       1.8202       1.9111       1.9391         25       Texas Gas INNS       1.6755       1.7397       1.6228         26       Bol-off Peaking purchases (Sch. 3)       1.9490       2.0630       2.1180         27       Rex Delivered       1.7390       1.6533       1.9860         28       PEFL (Lint xLn 16)       \$1.550.417       \$1.406.608       \$1.567.245       \$4.524.27         28       MCPA - TOR (La 2 Lin 17)       9.114       10.168       10.259       29.25         29       MCPA - TOR (La 2 Lin 17)       9.114       10.168       10.252       29.25         20       MCPA - TOR (La 2 Lin 17)       9.114       1.98.201       215.046       217.419       621.66         21       Morestain (Lin 4 xLin 19)       0       0       0       0       0       0         22       Rochies Express TOR (Lin 5						
21       PEAK       1.5590       1.6730       1.7280         22       Fived Price Purchases (Sch. 3)       0.0000       0.0000       0.0000         23       Texas Gas TOR       1.8633       1.9540       1.9770         24       TGT-Rex East       1.8202       1.9111       1.9391         25       Texas Gas NNS       1.7790       1.8228         26       Boil-off / Peaking purchases (Sch. 3)       1.9490       2.0630       2.1180         27       Rex Deliverd       1.7390       1.8530       1.9080         Commodity Costs         28       PEPL (Ln 1 x Ln 16)       \$1.550,417       \$1.406,608       \$1.567,245       \$4,524,27         29       IMOPA- Authority Prepay (Ln 3 x Ln 18)       19,9114       10.168       10.259       2.954         30       IMOPA - Authority Prepay (Ln 3 x Ln 18)       19,9201       215,046       217,419       621,66         31       PEAK (Ln 6 X Ln 21)       0						
22         Fixed Price Purchases (Sch. 3)         0.0000         0.0000           23         Texas Gas TOR         1.8633         1.9540         1.9770           24         TGT-Rex East         1.8232         1.9111         1.3331           25         Texas Gas NNS         1.6755         1.7937         1.8228           26         Boll-df/ Peaking purchases (Sch. 3)         1.9490         2.0630         2.1180           27         Rex Delivered         1.7390         1.8530         1.9080           Commodity Costs           28         PEPL (Ln 1 x Ln 16)         \$1.550.417         \$1.406.608         \$1.567.245         \$4.524.27           29         IMGPA - Authority Prepay (Ln 3 x Ln 18)         198.201         215.046         217.419         621.66           30         MGPA - Authority Prepay (Ln 3 x Ln 18)         198.201         215.046         217.419         621.66           31         Midwestem (Ln 4 x Ln 19)         0         0         0         0         0           32         PEAK (Ln 6 X Ln 21)         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td></td<>						
23       Texas Gas TOR       1.8633       1.9540       1.9770         4       TGT-Rex East       1.8633       1.9540       1.9770         25       Texas Gas NNS       1.6755       1.7937       1.8228         26       Boll-off/Pack East       1.9480       2.0650       2.1180         27       Rex Delivered       1.7390       1.8530       1.9000         Commodity Costs         28       PEPL (Ln 1 x Ln 16)       \$1,550,417       \$1,406,608       \$1,567,245       \$4,524,27         29       IMGPA - TOR (Ln 2 x Ln 17)       9,114       10,168       10,259       29,54         29       IMGPA - Authonty Prepay (Ln 3 x Ln 18)       189,201       215,046       217,419       621,66         30       Morestern (Ln 4 x Ln 19)       0       0       0       0       0         32       Rockies Express TOR (Ln 5 X Ln 20)       0						
24       TGT-Rex East       1.8202       1.9111       1.9391         25       Texas Gas NNS       1.6755       1.7937       1.8228         26       boli-dfl/ Peaking purchases (Sch. 3)       1.9490       2.0630       2.1180         27       Rex Delivered       1.7390       1.8530       1.9080         Commodity Costs         28       PEPL (Ln 1 xLn 16)       \$1,550,417       \$1,406,608       \$1,567,245       \$4,524,27         29       MGPA - Atton Prepay (Ln 3 xLn 17)       9,114       10,168       10,259       29,56         30       MGPA - Atton Prepay (Ln 3 xLn 18)       18,9201       215,046       217,419       621,66         31       Midwestern (Ln 4 xLn 19)       0       0       0       0         32       PEAK (Ln 6 X Ln 21)       0       0       0       0         33       PEAK (Ln 6 X Ln 21)       324,794       340,602       344,611       1,010,00         34       Fixed Price Purchases (Ln 7 xLn 22)       0       0       0       0       0         36       TGT-Rex East (Ln 9 xLn 24)       324,794       340,602       351,689       1,028,45         36       Gas (Ln 6 x Ln 21)       88,61,10       168,610 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						
25       Texas Gas NNS       1.6755       1.7937       1.8228         26       Boil-off/Peaking purchases (Sch. 3)       1.9490       2.0630       2.1180         27       Rex Delivered       1.7390       1.8530       1.9490         Commodity Costs         28       PEPL (Ln 1 xLn 16)       \$1,550,417       \$1,406,608       \$1,567,245       \$4,524,27         29       MGPA - TOR (Ln 2 xLn 17)       9,114       10,168       10,259       29,54         30       MGPA - Authority Prepay (Ln 3 xLn 18)       189,201       215,046       217,119       621,66         31       Midwester (Ln 4 xLn 19)       0       0       0       0       0         32       Rockies Express TOR (Ln 5 X Ln 20)       0       0       0       0       0         33       PEAK (Ln 6 X Ln 21)       467,700       518,630       535,680       1,522,01         34       Fixed Price Purchases (Lin 7 xLn 22)       0       0       0       0         35       Texas Gas (Ln 8 xLn 23)       330,133       346,620       351,688       1,028,45         36       TGT-Rex East (Ln 9 xLn 24)       330,133       346,620       351,698       1,028,45         38       Bol						
26         Boil-off/Peaking purchases (Sch. 3)         1.9490         2.0630         2.1180           27         Rex Delivered         1.7390         1.8530         1.9980           27         Rex Delivered         1.7390         1.8530         1.9980           Commodity Costs           28         PEPL (Ln 1 x Ln 16)         \$1,550,417         \$1,406,608         \$1,567,245         \$4,524,27           29         IMGPA - Authority Prepay (Ln 3 x Ln 17)         9,114         10,168         10,259         29,564           30         IMGPA - Authority Prepay (Ln 3 x Ln 18)         189,201         215,046         217,419         621,60           31         Midwestern (Ln 4 x Ln 19)         0         0         0         0           32         Rockies Express TOR (Ln 5 X Ln 20)         0         0         0         0           33         PEAK (Ln 6 X Ln 21)         467,700         516,803         15,22,01           34         Fixed Price Purchases (Ln 7 x Ln 22)         0         0         0         0           36         TG7-Rex East (Ln 9 x Ln 23)         324,704         330,133         346,620         351,698         1,028,45           37         Texas Gas. (Ln 11 x Ln 26)         82,371	25					
Z7         Rex Delivered         1.7390         1.8530         1.9080           Commodity Costs						
28         PEPL (Ln 1 x Ln 16)         \$1,550,417         \$1,406,608         \$1,567,245         \$4,524,27           29         IMGPA - TOR (Ln 2 x Ln 17)         9,114         10,168         10,259         29,54           30         IMGPA - Authority Prepay (Ln 3 x Ln 18)         189,201         215,046         217,419         621,66           31         Midwestern (Ln 4 x Ln 19)         0         0         0         0           32         Rockies Express TOR (Ln 5 X Ln 20)         0         0         0         0           33         PEAK (Ln 6 X Ln 21)         467,700         518,630         535,680         1,522,01           34         Fixed Price Purchases (Ln 7 x Ln 22)         0         0         0         0           35         Texas Gas (Ln 8 x Ln 23)         324,794         340,602         344,611         1,010,00           36         TGT-Rex East (Ln 9 x Ln 24)         330,133         346,620         351,698         1,028,48           37         Texas Gas (Ln 8 x Ln 25)         (670,200)         (538,110)         (981,077)         (2,198,38           38         Boil-off/ Peaking purchases (Ln 12 x Ln 26)         82,371         87,189         89,513         259,07           39         Rex Deliwered (Ln 10						
29       IMGPA - TOR (Ln 2 x Ln 17)       9,114       10,168       10,259       29,54         30       IMGPA - Authority Prepay (Ln 3 x Ln 18)       189,201       215,046       217,419       621,66         31       Midwester (Ln 4 x Ln 19)       0       0       0       0       0         32       Rockies Express TOR (Ln 5 X Ln 20)       0       0       0       0       0         33       PEAK (Ln 6 X Ln 21)       467,700       518,630       535,680       1,522,01         34       Fixed Price Purchases (Ln 7 x Ln 22)       0       0       0       0         34       Fixed Price Purchases (Ln 7 x Ln 22)       0       0       0       0         35       Texas Gas (Ln 9 x Ln 24)       330,133       346,620       351,698       1,028,45         36       TGT-Rex East (Ln 9 x Ln 24)       330,133       346,620       351,698       1,028,45         37       Texas Gas (Ln 12 x Ln 26)       82,371       87,149       89,513       259,07         38       Boil-off/ Peaking purchases (Ln 12 x Ln 26)       82,371       87,189       89,513       259,07         39       Rex Delivered (Ln 10 x Ln 27)       521,700       574,430       591,480       1,687,61      <		Commodity Costs				
29       IMGPA - TOR (Ln 2 x Ln 17)       9,114       10,168       10,259       29,54         30       IMGPA - Authority Prepay (Ln 3 x Ln 18)       189,201       215,046       217,419       621,66         31       Midwester (Ln 4 x Ln 19)       0       0       0       0       0         32       Rockies Express TOR (Ln 5 X Ln 20)       0       0       0       0       0         33       PEAK (Ln 6 X Ln 21)       467,700       518,630       535,680       1,522,01         34       Fixed Price Purchases (Ln 7 x Ln 22)       0       0       0       0         34       Fixed Price Purchases (Ln 7 x Ln 22)       0       0       0       0         35       Texas Gas (Ln 9 x Ln 24)       330,133       346,620       351,698       1,028,45         36       TGT-Rex East (Ln 9 x Ln 24)       330,133       346,620       351,698       1,028,45         37       Texas Gas (Ln 12 x Ln 26)       82,371       87,149       89,513       259,07         38       Boil-off/ Peaking purchases (Ln 12 x Ln 26)       82,371       87,189       89,513       259,07         39       Rex Delivered (Ln 10 x Ln 27)       521,700       574,430       591,480       1,687,61      <	28	PEPL (Ln 1 x Ln 16)	\$1,550.417	\$1,406,608	\$1,567,245	\$4,524,27
30     IMGPA - Authority Prepay (Ln 3 x Ln 18)     189,201     215,046     217,419     621,66       31     Midwestern (Ln 4 x Ln 19)     0     0     0     0       32     Rockies Express TOR (Ln 5 X Ln 20)     0     0     0     0       33     PEAK (Ln 6 X Ln 21)     467,700     518,630     535,680     1,522,01       34     Fixed Price Purchases (Ln 7 x Ln 22)     0     0     0     0       35     Texas Gas (Ln 8 x Ln 23)     324,794     340,602     344,611     1,010,00       36     TGT-Rex East (Ln 9 x Ln 24)     330,133     346,620     351,698     1,028,93       36     Totaxa Gas (Ln 11 x Ln 25)     (670,200)     (538,110)     (981,077)     (2,189,38       37     Texas Gas (Ln 12 x Ln 26)     82,371     87,189     89,513     259,07       38     Boil-off/ Peaking purchases (Ln 12 x Ln 26)     82,371     87,189     89,513     259,07       39     Rex Delivered (Ln 10 x Ln 27)     521,700     574,430     591,480     1,687,61       41     Subtotal(Ln 28 through Ln 40)     \$2,835,034     \$2,988,830     \$2,753,980     \$8,577,84       42     (Line 41/Line 13)     \$1,6754     \$1,7937     \$1,8228     \$1,761       Total Average Rate per Dth						
31       Midwestern (Ln 4 x Ln 19)       0       0       0         32       Rockies Express TOR (Ln 5 X Ln 20)       0       0       0         33       PEAK (Ln 6 X Ln 21)       467,700       518,630       535,680       1,522,01         34       Fixed Price Purchases (Ln 7 x Ln 22)       0       0       0       0         35       Texas Gas (Ln 8 x Ln 23)       324,794       340,602       344,611       1,010,00         36       TGT-Rex East (Ln 9 x Ln 24)       330,133       346,620       351,688       1,028,45         37       Texas Gas (Ln 11 x Ln 25)       (670,200)       (538,110)       (981,077)       (2,189,38         38       Boil-off/ Peaking purchases (Ln 12 x Ln 26)       82,371       87,189       89,513       259,07         39       Rex Delivered (Ln 10 x Ln 27)       521,700       574,430       591,480       1,687,64         41       Subtotal(Ln 28 through Ln 40)       \$2,835,034       \$2,88,830       \$2,753,980       \$8,577,84         42       (Line 41/Line 13)       \$1,6754       \$1,7937       \$1,8228       \$1,761         Total Average Rate per Dth       \$1,6754       \$1,7937       \$1,8228       \$1,761						
33       PEAK (Ln 6 X Ln 21)       467,700       518,630       535,680       1,522,01         34       Fixed Price Purchases (Ln 7 x Ln 22)       0       0       0       0         35       Texas Gas (Ln 8 x Ln 23)       324,794       340,602       344,611       1,010,00         36       TGT-Rex East (Ln 9 x Ln 24)       330,133       346,620       351,698       1,028,45         37       Texas Gas -Unnominated Gas (Ln 11 x Ln 25)       (670,200)       (533,110)       (981,077)       (2,189,35         38       Boil-off/ Peaking purchases (Ln 12 x Ln 26)       82,371       87,189       89,513       259,003         39       Rex Delivered (Ln 10 x Ln 27)       521,700       574,430       591,480       1,687,61         40       Hedging Transaction Costs (Sch 3)       29,804       27,647       27,152       84,60         41       Subtotal(Ln 28 through Ln 40)       \$2,835,034       \$2,986,830       \$2,753,980       \$8,577,84         42       (Line 41/Line 13)       \$1.6754       \$1.7937       \$1.8228       \$1.761         Total Average Rate per Dth       \$1.6754       \$1.7937       \$1.8228       \$1.761						
34       Fixed Price Purchases (Ln 7 x Ln 22)       0       0       0       0       0         35       Texas Gas (Ln 8 x Ln 23)       324,794       340,602       344,611       1,010,00         36       TGT-Rex Est (Ln 9 x Ln 24)       330,133       346,620       351,698       1,028,44         37       Texas Gas (Ln 11 x Ln 25)       (670,200)       (538,110)       (981,077)       (2,189,38         38       Boil-off/ Peaking purchases (Ln 12 x Ln 26)       82,371       87,189       89,513       259,07         39       Rex Delivered (Ln 10 x Ln 27)       521,700       574,430       591,480       1,687,61         40       Hedging Transaction Costs (Sch 3)       29,804       27,647       27,152       84,60         41       Subtotal(Ln 28 through Ln 40)       \$2,835,034       \$2,988,830       \$2,753,980       \$8,577,84         42       (Line 41/Line 13)       \$1.6754       \$1.7937       \$1.8228       \$1.761         42       Total Average Rate per Dth       \$1.6754       \$1.7937       \$1.8228       \$1.761	32	Rockies Express TOR (Ln 5 X Ln 20)	0	0	0	
35       Texas Gas (Ln 8 xLn 23)       324,794       340,602       344,611       1,010,02         36       TGT-Rex East (Ln 9 x Ln 24)       330,133       346,620       351,698       1,028,04         37       Texas Gas - Unnominated Gas (Ln 11 x Ln 25)       (670,200)       (538,110)       (981,077)       (2,199,38         38       Boil-off/ Peaking purchases (Ln 12 x Ln 26)       82,371       87,189       89,513       259,07         39       Rex Delivered (Ln 10 x Ln 27)       521,700       574,430       591,480       1,687,61         40       Hedging Transaction Costs (Sch 3)       29,804       27,647       27,152       84,60         41       Subtotal(Ln 28 through Ln 40)       \$2,835,034       \$2,988,830       \$2,753,980       \$8,577,84         42       Commodity Cost per Dth       \$1,6754       \$1,7937       \$1,8228       \$1,761         42       Total Average Rate per Dth       \$1,6754       \$1,7937       \$1,8228       \$1,761	33	PEAK (Ln 6 X Ln 21)	467,700	518,630	535,680	1,522,01
36       TGT-Rex East (Ln 9 x Ln 24)       330,133       346,620       351,698       1,028,45         37       Texas Gas -Unnominated Gas (Ln 11 x Ln 25)       (670,200)       (538,110)       (981,077)       (2,199,35         38       Boil-off/ Peaking purchases (Ln 12 x Ln 26)       82,371       87,189       99,513       259,07         39       Rex Delivered (Ln 10 x Ln 27)       521,700       574,430       591,480       1,687,61         10       Hedging Transaction Costs (Sch 3)       29,804       27,647       27,152       84,60         11       Subtotal(Ln 28 through Ln 40)       \$2,835,034       \$2,986,830       \$2,753,980       \$8,577,84         12       Commodity Cost per Dth       \$1,6754       \$1.7937       \$1.8228       \$1.761         12       Total Average Rate per Dth       \$1.6754       \$1.7937       \$1.8228       \$1.761						
37       Texas Gas -Unnominated Gas (Ln 11 x Ln 25)       (670,200)       (538,110)       (981,077)       (2,189,36         38       Boil-off/ Peaking purchases (Ln 12 x Ln 26)       82,371       87,189       89,513       259,07         39       Rex Delivered (Ln 10 x Ln 27)       521,700       574,430       591,480       1,687,61         10       Hedging Transaction Costs (Sch 3)       29,804       27,647       27,152       84,60         11       Subtotal(Ln 28 through Ln 40)       \$2,835,034       \$2,988,830       \$2,753,980       \$8,577,84         12       Commodity Cost per Dth       [Line 41/Line 13)       \$1.6754       \$1.7937       \$1.8228       \$1.761         Total Average Rate per Dth       Total Average Rate per Dth       \$1.6754       \$1.7937       \$1.8228       \$1.761						
38         Boil-off/ Peaking purchases (Ln 12 x Ln 26)         82,371         87,189         89,513         259,07           39         Rex Delivered (Ln 10 x Ln 27)         521,700         574,430         591,480         1,687,61           40         Hedging Transaction Costs (Sch 3)         29,804         27,647         27,152         84,60           41         Subtotal(Ln 28 through Ln 40)         \$2,835,034         \$2,988,830         \$2,753,980         \$8,577,84           42         Commodity Cost per Dth         \$1.6754         \$1.7937         \$1.8228         \$1.761           42         Total Average Rate per Dth         \$1.6754         \$1.7937         \$1.8228         \$1.761						
39         Rex Delivered (Ln 10 x Ln 27)         521,700         574,430         591,480         1,687,61           40         Hedging Transaction Costs (Sch 3)         29,804         27,647         27,152         84,60           41         Subtotal (Ln 28 through Ln 40)         \$2,835,034         \$2,988,830         \$2,753,980         \$8,577,84           42         Commodity Cost per Dth (Line 41/Line 13)         \$1.6754         \$1.7937         \$1.8228         \$1.761           Total Average Rate per Dth          \$1.6754         \$1.7937         \$1.8228         \$1.761						
40         Hedging Transaction Costs (Sch 3)         29,804         27,647         27,152         84,60           41         Subtotal (Ln 28 through Ln 40)         \$2,835,034         \$2,988,830         \$2,753,980         \$8,577,84           42         Commodity Cost per Dth (Line 41/Line 13)         \$1.6754         \$1.7937         \$1.8228         \$1.761           Total Average Rate per Dth         Substance         \$1.6754         \$1.7937         \$1.8228         \$1.761						
Commodity Cost per Dth           42         (Line 41/Line 13)         \$1.6754         \$1.7937         \$1.8228         \$1.761           Total Average Rate per Dth         \$1.6754         \$1.7937         \$1.8228         \$1.761						1,687,61 84,60
42 (Line 11/Line 13) \$1.6754 \$1.7937 \$1.8228 \$1.761 Total Average Rate per Dth	41	Subtotal(Ln 28 through Ln 40)	\$2,835,034	\$2,988,830	\$2,753,980	\$8,577,844
42 (Line 11/Line 13) \$1.6754 \$1.7937 \$1.8228 \$1.761 Total Average Rate per Dth						
Total Average Rate per Dth	42		\$1.6754	\$1.7937	\$1.8228	\$1.7616
	43		\$2.1743	\$2.3335	\$2.3408	\$2.280

# Citizens Gas Projected Information For Three Months Ending August 31, 2020

	А	В		C Commodity	D	E
Line No.	Jun 2020	Volumes in Dths		Cost per Dth	% of Total	Reference
1	Fixed Price Purchases	-	\$	-	0.00%	Sch 3 pg 1 line 10
2	Monthly Spot Market - Index Purchases	2,049,850	\$	1.6698	374.46%	Sch 3 pg 1 (line 16 - line 10 - line 12 - line 15)
3	Boil off/Peaking Purchases	42,263	\$	1.9490	7.72%	Sch 3 pg 1 line 12
4	Unnominated Seasonal Gas Purchases	(400,000)	\$	1.6755	-73.07%	Sch 3 pg 1 line 15
5	Storage Withdrawal - Net	-	\$	-	0.00%	Sch 5 ln 3 col B - Sch 4pg 1 ln 22 Col E
6	Storage Injection - Gross	(1,144,704)	\$	1.6754	-209.11%	Sch 5 ln 3 col A - Sch 4 pg 1 ln 20 Col E
7	Total Net Purchases	547,409		—	100.00%	
				Commodity		
	Jul 2020	Volumes in Dths		Cost per Dth	% of Total	
8	Fixed Price Purchases	-	\$	-	0.00%	Sch 3 pg 2 line 10
9	Monthly Spot Market - Index Purchases	1,924,031	\$	1.7878	392.04%	Sch 3 pg 2 (line 16 - line 10 - line 12 - line 15)
10	Boil off/Peaking Purchases	42,263	\$	2.0630	8.61%	Sch 3 pg 2 line 12
11	Unnominated Seasonal Gas Purchases	(300,000)	\$	1.7937	-61.13%	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	(1,175,509)	\$	1.7937	-239.52%	Sch 5 line 6 col A - Sch 4 pg 2 ln 20 Col E
14	Total Net Purchases	490,785	-	_	100.00%	
				Commodity		
	Aug 2020	Volumes in Dths		Cost per Dth	% of Total	
15	Fixed Price Purchases	-	\$	-	0.00%	Sch 3 pg 3 line 10
16	Monthly Spot Market - Index Purchases	2,006,776	\$	1.8166	410.10%	Sch 3 pg 3 (line 16 - line 10 - line 12 - line 15)
17	Boil off/Peaking Purchases	42,263	\$	2.1180	8.64%	Sch 3 pg 3 line 12
18	Unnominated Seasonal Gas Purchases	(538,225)	\$	1.8228	-109.99%	Sch 3 pg 3 line 15
19	Storage Withdrawal - Net	-	\$	-	0.00%	Sch 5 line 9 col B - Sch 4pg 3 ln 22 Col E
20	Storage Injection - Gross	(1,021,481)	\$	1.8228	-208.75%	Sch 5 line 9 col A - Sch 4 pg 3 ln 20 Col E
21	Total Net Purchases	489,333	•		100.00%	

# Citizens Gas Allocation of Panhandle Unnominated Quantities Cost June 2020

Ln. No.	Calc. of PEPL Unnom.Costs / Unit	Gas Rate No. Dl	Gas Rate No. D2	Gas Rate <u>No. D3/No. D</u> 7	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)	\$1,557	\$365,684	\$1,578	\$129,885	\$0	-		\$498,704	
3	Estimated monthly retail sales- Dth (Sch 2B, ln 1)	3,856	356,677	39,973	134,411	0			534,917	
4	Fixed cost per unit retail sales (ln 2 / ln 3)	\$0.404	\$1.025	\$0.039	\$0.966	\$0.000				
5	PEPL monthly retail variable costs (ln 24 * ln 1)	\$186	\$43,758	\$189	\$15,542	\$0	-		\$59,675	
6	Estimated monthly retail sales- Dth (Sch 2B, ln 1)	3,856	356,677	39,973	134,411	0			534,917	
7	Net monthly retail variable costs per unit sales (ln 5 / ln 6) $$	\$0.048	\$0.123	\$0.005	\$0.116	\$0.000				
8	Total PEPL cost per unit retail sales (ln 4 + ln 7)	\$0.452	\$1.148	\$0.044	\$1.082	\$0.000				
9	PEPL balancing demand costs (ln 18 * Sch 2C, ln 18)	\$178	\$16,483	\$9,026	\$15,275	\$7,292	\$1,068		\$49,322	
10	Est. monthly total throughput excl. Basic - Dth (Sch 2C, ln 1)	3,856	356,677	195,313	330,536	157,780	23,100		1,067,262	
11	Fixed balancing cost per unit throughput (ln 9 / ln 10)	\$0.046	\$0.046	\$0.046	\$0.046	\$0.046	\$0.046			
12	PEPL monthly balancing variable costs (ln 25 * Sch 2C, ln 18)	\$21	\$1,972	\$1,080	\$1,828	\$873	\$128		\$5,902	
13	Estimated monthly total throughput excl Basic- Dth (Sch 2C, ln 1)	3,856	356,677	195,313	330,536	157,780	23,100		1,067,262	
14	Net monthly balancing variable costs per unit throughput (ln12 / ln13) $$	\$0.005	\$0.006	\$0.006	\$0.006	\$0.006	\$0.006			
15	Total PEPL Balancing cost per unit throughput (ln 11 + ln 14)	\$0.051	\$0.052	\$0.052	\$0.052	\$0.052	\$0.052			
						А				
	Calculation of Monthly Fixed Costs					Monthly Fixed Costs				
16	PEPL demand cost					\$548,026				
17	PEPL Retail Demand Costs (line 16 * 91%) 1/					\$498,704				
18	PEPL Balancing Demand Costs (line 16 * 9%) 1/					\$49,322				
		A	в	C	D	E	F	G	Н	I
	Calculation of Monthly Variable Costs	Volumes	<u> </u>	Storage Rates					Costs	<u> </u>
	June 2020	Inject.	W/Drl.	Inject.	W/Drl.	Comp. Fuel	Inject. (A x C)	W/Drl. (B x D)	Compressor Fuel	Total (F+G+H)
19 20	PEPL Injections (Net) (100 - day firm) (Midpoint)	920,000 936,768		0.0020 0.0107		24,704	\$1,840 10,023		\$53,714	\$1,840 63,737
21 22	PEPL Withdrawals (Gross) (100 - day firm) (Net)		0 0		0.0020 0.0107	0		0	0	0
23	Total (ln 19 + ln20 + ln21 + ln22)						\$11,863	\$0	\$53,714	\$65,577

PEPL Retail Variable Costs 24 (line 23 \* 91%) 1/

PEPL Balancing Variable Costs 25 (line 23\* 9%) 1/

\$59,675

\$5,902

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

#### Citizens Gas Allocation of Panhandle Unnominated Quantities Cost July 2020

Ln. No.	Calc. of PEPL Unnom.Costs / Unit	Gas Rate No. Dl	Gas Rate No. D2	Gas Rate <u>No. D3/No. D7</u>	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)	\$1,557	\$365,684	\$1,578	\$129,885	\$0	-	\$498,704
3	Estimated monthly retail sales - Dth (Sch 2B, ln 2)	3,306	308,625	40,266	128,315	0		480,512
4	Fixed cost per unit retail sales (ln 2 / ln 3)	\$0.471	\$1.185	\$0.039	\$1.012	\$0.000	_	
5	PEPL monthly retail variable costs (ln 24 * ln 1)	\$204	\$47,893	\$207	\$17,011	\$0	-	\$65,315
6	Estimated monthly retail sales - Dth (Sch 2B, ln 2)	3,306	308,625	40,266	128,315	0		480,512
7	Net monthly retail variable costs per unit sales (ln 5 / ln 6) $$	\$0.062	\$0.155	\$0.005	\$0.133	\$0.000	_	
8	Total PEPL cost per unit retail sales (ln 4 + ln 7)	\$0.533	\$1.340	\$0.044	\$1.145	\$0.000		
9	PEPL balancing demand costs (ln 18 * Sch 2C, ln 19)	\$163	\$15,173	\$9,591	\$15,586	\$7,675	\$1,134	\$49,322
10	Estimated monthly total throughput - Dth (Sch 2C, ln 2)	3,306	308,625	195,080	317,015	156,120	23,064	1,003,210
11	Fixed balancing cost per unit throughput (ln 9 / ln 10)	\$0.049	\$0.049	\$0.049	\$0.049	\$0.049	\$0.049	
12	PEPL monthly balancing variable costs (ln 25 * Sch 2C, ln 19)	\$21	\$1,988	\$1,256	\$2,041	\$1,005	\$149	\$6,460
13	Estimated monthly total throughput excl Basic - Dth (Sch 2C, ln 2) $% \left( $	3,306	308,625	195,080	317,015	156,120	23,064	1,003,210
14	Net monthly balancing variable costs per unit throughput (ln 12 / ln 13)	\$0.006	\$0.006	\$0.006	\$0.006	\$0.006	\$0.006	
15	Total PEPL Balancing cost per unit throughput (ln 11 + ln 14)	\$0.055	\$0.055	\$0.055	\$0.055	\$0.055	\$0.055	

						A Monthly				
	Calculation of Fixed Costs					Fixed Costs				
16	PEPL demand cost					\$548,026				
17	PEPL Retail Demand Costs (line 16 * 91%) 1/					\$498,704				
18	PEPL Balancing Demand Costs (line 16 * 9%) 1/					\$49,322				
		A	в	С	D	Е	F	G	н	I
	Calculation of Monthly Variable Costs	Volumes		Storage Rates					Costs	
	July 2020	Inject.	W/Drl.	Inject.	W/Drl.	Comp. Fuel	Inject. (A x C)	W/Drl. (B x D)	Compressor Fuel	Total (F+G+H)
19 20	PEPL Injections (Net) (100 - day firm) (Midpoint)	950,000 967,315		0.0020 0.0107		25,509	\$1,900 10,350		\$59,525	\$1,900 69,875
21 22	PEPL Withdrawals (Gross) (100 - day firm) (Net)		0 0		0.0020 0.0107	0		0 0	0	0
23	Total (ln 19 + ln20 + ln21 + ln22)						\$12,250	\$0	\$59,525	\$71,775
24	PEPL Retail Variable Costs (line 23 * 91%) 1/									\$65,315

PEPL Balancing Variable Costs 25 (line 23 \* 9%) 1/

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

\$6,460

#### Citizens Gas Allocation of Panhandle Unnominated Quantities Cost August 2020

Ln. No.	Calc. of PEPL Unnom.Costs / Unit	Gas Rate No. Dl	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	0.00000	-	1.000000
2	PEPL retail demand costs (ln 17 * ln 1)	\$1,557	\$365,684	\$1,578	\$129,885	\$0	-	\$498,704
3	Estimated monthly retail sales- Dth (Sch 2B, ln 3)	3,300	306,971	40,263	129,394	0		479,928
4	Fixed cost per unit retail sales (ln 2 / ln 3)	\$0.472	\$1.191	\$0.039	\$1.004	\$0.000		
5	PEPL monthly retail variable costs (ln 24 * ln 1)	\$172	\$40,437	\$174	\$14,362	\$0	-	\$55,145
6	Estimated monthly retail sales- Dth (Sch 2B, ln 3)	3,300	306,971	40,263	129,394	0		479,928
7	Net monthly retail variable costs per unit sales (ln 5 / ln 6) $$	\$0.052	\$0.132	\$0.004	\$0.111	\$0.000		
8	Total PEPL cost per unit retail sales (ln 4 + ln 7)	\$0.524	\$1.323	\$0.043	\$1.115	\$0.000		
9	PEPL balancing demand costs (ln 18* Sch 2C, ln 20)	\$163	\$15,128	\$9,607	\$15,609	\$7,678	\$1,137	\$49,322
10	Estimated monthly total throughput - Dth (Sch 2C, ln 3)	3,300	306,971	194,953	316,733	155,810	23,064	1,000,831
11	Fixed balancing cost per unit throughput (ln 9 / ln 10)	\$0.049	\$0.049	\$0.049	\$0.049	\$0.049	\$0.049	
12	PEPL monthly balancing variable costs (ln 25 * Sch 2C, ln 20)	\$18	\$1,673	\$1,062	\$1,726	\$849	\$126	\$5,454
13	Estimated monthly total throughput excl Basic - Dth (Sch 2C, ln 3)	3,300	306,971	194,953	316,733	155,810	23,064	1,000,831
14	Net monthly balancing variable costs per unit throughput (ln 12 / ln 13)	\$0.005	\$0.005	\$0.005	\$0.005	\$0.005	\$0.005	
15	Total PEPL Balancing cost per unit sales (ln 11 + ln 14)	\$0.054	\$0.054	\$0.054	\$0.054	\$0.054	\$0.054	

	Calculation of Fixed Costs					Monthly Fixed Costs		
16	PEPL demand cost					\$548,026		
17	PEPL Retail Demand Costs (line 16 * 91%) 1/					\$498,704		
18	PEPL Balancing Demand Costs (line 16 * 9%) 1/					\$49,322		
		A	В	C	D	E	F	G
	Calculation of Monthly Variable Costs	Volumes		Storage Rates				
	August 2020	Inject.	W/Drl.	Inject.	W/Drl.	Comp. Fuel	Inject. (A x C)	W/Drl. (B x D)
19	PEPL Injections (Net)	800,000		0.0020			\$1,600	

\$1,600 58,999 (100 - day firm) (Midpoint) 814,581 0.0107 21,481 8,716 \$50,283 20 PEPL Withdrawals (Gross) (100 - day firm) (Net) 0.0020 21 22 0 0 0 0 0 0 0 Ō 23 Total (ln 19 + ln20 + ln21 + ln22) \$10,316 \$0 \$50,283 \$60,599 PEPL Retail Variable Costs (line 23 \* 91%) 1/ \$55,145 24

.

PEPL & 3 Balancing Variable Costs 25 (line 23 \* 9%) 1/

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

Н

Compressor Fuel

Costs

I

Total (F+G+H)

\$5,454

#### Citizens Gas Estimated Cost of Gas Injections and Withdrawals For Three Months Ending August 31, 2020

	A	В	C	D	E	F	G	H	I
	Estimate	d Change			Estin	nated Cost of Gas			
		-	Injections		Withdraw	vals		Net	
	Injections Dth	Withdrawals Dth	Demand	Commodity	Demand	Commodity	Demand	Commodity	Total
June 2020									
Greene Co.	200,000	0	\$99,780	\$335,080	\$0	\$0	(\$99,780)	(\$335,080)	(\$434,860)
PEPL WSS	920,000	0	458,988	1,541,368	0	0	(458,988)	(1,541,368)	(2,000,356)
Subtotal	1,120,000	0	558,768	1,876,448	0	0	(558,768)	(1,876,448)	(2,435,216)
July 2020									
Greene Co.	200,000	0	107,960	358,740	0	0	(107,960)	(358,740)	(466,700)
PEPL WSS	950,000	0	512,810	1,704,015	0	0	(512,810)	(1,704,015)	(2,216,825)
Subtotal	1,150,000	0	620,770	2,062,755	0	0	(620,770)	(2,062,755)	(2,683,525)
August 2020									
Greene Co.	200,000	0	103,600	364,560	0	0	(103,600)	(364,560)	(468,160)
PEPL WSS	800,000	0	414,400	1,458,240	0	0	(414,400)	(1,458,240)	(1,872,640)
Subtotal	1,000,000	0	518,000	1,822,800	0	0	(518,000)	(1,822,800)	(2,340,800)
Grand Total	3,270,000	0	\$1,697,538	\$5,762,003	\$0	\$0	(\$1,697,538)	(\$5,762,003)	(\$7,459,541)
	Greene Co. PEPL WSS Subtotal July 2020 Greene Co. PEPL WSS Subtotal August 2020 Greene Co. PEPL WSS	Estimate           June 2020           Greene Co.         200,000           PEPL WSS         920,000           July 2020         0           Greene Co.         200,000           July 2020         0           Greene Co.         950,000           Subtotal         1,150,000           August 2020         0           Greene Co.         200,000           Subtotal         1,150,000           August 2020         0           Greene Co.         200,000           Subtotal         1,000,000	Estimated Change           Injections         Withdrawals           Dth         Dth           June 2020         0           Greene Co.         200,000         0           PEPL WSS         920,000         0           July 2020         0         0           Greene Co.         200,000         0           PEPL WSS         950,000         0           Subtotal         1,150,000         0           August 2020         0         0           Greene Co.         200,000         0           Subtotal         1,150,000         0           August 2020         0         0           Subtotal         1,000,000         0	Estimated Change         Injections           Injections         Withdrawals         Injections           June 2020         0         0         \$99,780           Greene Co.         200,000         0         \$99,780           PEPL WSS         920,000         0         \$58,768           July 2020         0         558,768           July 2020         0         0         \$512,810           Subtotal         1,150,000         0         \$620,770           August 2020         0         620,770         \$600,000           Subtotal         1,150,000         0         \$620,770           August 2020         0         0         \$103,600           Subtotal         1,000,000         0         \$103,600           Subtotal         1,000,000         0         \$18,000	Estimated Change         Injections         Injections <thinjections< th="">         Injections         In</thinjections<>	Estimated Change         Injections         Withdrawals         Injections         Withdrawals         Injections         Withdrawals         Demand         Commodity         Demand         Withdrawals         Demand         Commodity         Demand         Mithdrawals         Demand         Output         Demand         Commodity         Demand         Demand	Estimated Change         Estimated Cost of Gas           Injections         Withdrawals         Injections         Withdrawals         Mithdrawals           June 2020         0         0         \$99,780         \$335,080         \$0         \$0           Greene Co.         200,000         0         \$99,780         \$335,080         \$0         \$0           Subtotal         1,120,000         0         558,768         1,876,448         0         0           Subtotal         1,120,000         0         558,768         1,876,448         0         0           Subtotal         1,120,000         0         512,810         1,704,015         0         0           Subtotal         1,150,000         0         620,770         2,062,755         0         0           Subtotal         1,150,000         0         103,600         364,560         0         0           Subtotal         1,000,000         0         518,000         1,822,800         0         0           Subtotal         1,000,000         0         518,000         1,822,800         0         0	Estimated Change         Estimated Cost of Gas           Injections         Injections         Withdrawals         Mithdrawals         Mithdrawals           Dth         Dth         Dth         Demand         Commodity         Demand         Commodity         Demand           June 2020         Trijections         \$99,780         \$335,080         \$0         \$0         (\$99,780)         (\$99,780)         \$355,080         \$0         \$0         (\$99,780)         \$458,988         1,541,368         \$0         \$0         \$(\$58,768)         \$355,080         \$0         \$0         \$(\$58,768)         \$355,080         \$0         \$(\$58,768)         \$358,740         \$0         \$0         \$(\$52,810)         \$(\$52,810)         \$(\$52,810)         \$(\$52,810)         \$(\$52,810)         \$(\$52,810)         \$(\$52,810)         \$(\$52,810)         \$(\$52,810)         \$(\$52,810)         \$(\$52,810)         \$(\$52,810)         \$(\$52,810)         \$(\$52,810)         \$(\$52,810)         \$(\$52,810)         \$(\$52,810)         \$(\$52,770)         \$(\$62,770)         \$(\$62,770)         \$(\$62,770)         \$(\$62,770)         \$(\$62,770)         \$(\$62,770)         \$(\$62,770)         \$(\$62,770)         \$(\$62,770)         \$(\$62,770)         \$(\$62,770)         \$(\$62,770)         \$(\$62,770)         \$(\$62,770)         \$(\$62,770)	Estimated Change         Estimated Cost of Gas           Injections         Nithdrawals         Injections         Net           June 2020         Injections         S99,780         S335,080         S0         S0         S99,780         S335,080           Subtotal         1,120,000         0         558,768         1,876,448         0         0         (558,768)         (1,876,448)           July 2020         Greene Co.         200,000         0         558,768         1,876,448         0         0         (1577,960)         (358,740)         0         0         (107,960)         (358,740)           Subtotal         1,150,000         0         620,770         2,062,755         0         0         (107,960)         (358,740)           Subtotal         1,150,000         0         620,770         2,062,755         0         0         (107,960)         (354,560)           Subtotal         1,150,000         0         620,770         2,062,755         0         0         (103,600)         (354,560)           Subtotal         1,150,000         0         103,600         364,560         0         0         (103,600)         (354,560)           Subtotal         1,000,000         0

### Citizens Gas Demand Allocation of Injections and Withdrawals Greene Co. For Three Months Ending August 31, 2020

		A	В	C	D	Е	F
Lin <u>No</u> .		Volume DTH	Demand Cost	Commodity Cost	Total Cost	Total \$/DTH	Comm \$/DTH
1	Beginning Balance @ June 2020	5,810,289	\$2,679,339	\$11,977,843	\$14,657,182	\$2.5226	\$2.0615
2	Add: Net injections at cost	200,000	99,780	335,080	434,860	2.1743	1.6754
3	Less: Gross withdrawals - avg. unit cost	0	0	0	0	0.0000	0.0000
4	Beginning Balance @ July 2020	6,010,289	2,779,119	12,312,923	15,092,042	2.5110	2.0486
5	Add: Net injections at cost	200,000	107,960	358,740	466,700	2.3335	1.7937
6	Less: Gross withdrawals - avg. unit cost	0	0	0	0	0.0000	0.0000
7	Beginning Balance @ August 2020	6,210,289	2,887,079	12,671,663	15,558,742	2.5053	2.0404
8	Add: Net injections at cost	200,000	103,600	364,560	468,160	2.3408	1.8228
9	Less: Gross withdrawals - avg. unit cost	0	0	0	0	0.0000	0.0000
10	Ending balance @ August 31, 2020	6,410,289	\$2,990,679	\$13,036,223	\$16,026,902	\$2.5002	\$2.0336

### Citizens Gas Demand Allocation of Injections and Withdrawals From PEPL WS For Three Months Ending August 31, 2020

		A	В	С	D	E	F
Lin No		Volume DTH	Demand Cost	Commodity Cost	Total Cost	Total \$/DTH	Comm \$/DTH
1	Beginning Balance @ June 2020	3,078,660	\$1,289,440	\$5,835,915	\$7,125,355	\$2.3144	\$1.8956
2	Add: Net injections at cost	920,000	458,988	1,541,368	2,000,356	2.1743	1.6754
3	Less: Gross withdrawals - avg. unit cost	0	0	0	0	0.0000	0.0000
4	Beginning Balance @ July 2020	3,998,660	1,748,428	7,377,283	9,125,711	2.2822	1.8449
5	Add: Net injections at cost	950,000	512,810	1,704,015	2,216,825	2.3335	1.7937
6	Less: Gross withdrawals - avg. unit cost	0	0	0	0	0.0000	0.0000
7	Beginning Balance @ August 2020	4,948,660	2,261,238	9,081,298	11,342,536	2.2920	1.8351
8	Add: Net injections at cost	800,000	414,400	1,458,240	1,872,640	2.3408	1.8228
9	Less: Gross withdrawals - avg. unit cost	0	0	0	0	0.0000	0.0000
10	Ending balance @ August 31, 2020	5,748,660	\$2,675,638	\$10,539,538	\$13,215,176	\$2.2988	\$1.8334

### Citizens Gas Calculation of Actual Gas Supply and Balancing Demand Cost Variance December 2019

Line No		Gas Rate No. D1	Gas Rate No. D2	Gas Rate No. D3/No. D7	Gas Rate No. D4	Gas Rate No. D5	All GCA Classes
	Calculation of Gas Supply Variance						
1	Retail Peak day demand allocation factor Cause No. 37399 - GCA 140	0.003153	0.740425	0.006293	0.250129	0.000000	1.000000
2	Retail Throughput demand allocation factor Cause No. 37399 - GCA 140	0.003754	0.705611	0.019399	0.271236	0.000000	1.000000
3	Retail Peak day/Retail throughput demand allocation factor (ln 1 * 79%) + (ln 2 * 21%)	0.003279	0.733115	0.009045	0.254561	0.000000	1.000000
4	Normalized Retail Seasonal Demand Allocation Factor Cause No. 37399 - GCA 140	0.003122	0.733268	0.003164	0.260446	0.000000	1.000000
5	Actual net Demand cost allocated (ln 3 * Schedule 7, pg. 1, ln 1 Col A)	\$6,234	\$1,393,784	\$17,196	\$483,967	\$0	\$1,901,181
6	Allocated other demand costs (ln 2 * (Schedule 7, pg. 1, ln 4 Col A )	1,822	342,438	9,414	131,633	0	485,307
7	Allocated contracted storage costs (In 4 * Schedule 7 pg. 1, In 3 Col B))	2,169	509,360	2,198	180,918	0	\$694,645
8	Actual other non-demand gas costs (Sch. 7 pg. 1, Col B, ln 2 + ln 4 ) * (Sch. 6A, ln 30))	35,344	6,412,678	76,878	2,473,051	0	8,997,951
9	Total actual cost of gas incurred ( $\ln 5 + \ln 6 + \ln 7 + \ln 8$ )	\$45,569	\$8,658,260	\$105,686	\$3,269,569	\$0	\$12,079,084
10	Actual cost of gas billed including Utility Gross Receipts Tax (Sch. 6A, ln 33)	\$48,929	\$9,228,655	\$101,271	\$3,451,734	\$0	\$12,830,589
11	Actual cost of gas billed excluding Utility Gross Receipts Tax (ln 10 * (1 - 1.4%))	48,244	9,099,454	99,853	3,403,410	0	12,650,961
12	Net - Write Off Recovered (Sch 12 C ln 3)	697	120,140	190	13,412	0	134,439
13	Variance from Cause No. 37399-GCA 144 Filing (Sch. 1, pg. 2 Dec., 2019 ln 17)	(2,362)	(130,225)	8,233	(173,425)	0	(297,779)
14	Refund from cause No. 37399- GCA 144 Filing (Sch. 1, pg. 2 Dec., 2019 ln 18)	0_	0	0	0	0	0
15	Gas cost recovered to be reconciled with actual cost of gas incurred (ln 11 - ln 12 - ln 13 + ln 14)	49,909	9,109,539	91,430	3,563,423	0	12,814,301
16	Gas cost variance (over)/underrecovery (ln 9 - ln 15)	(\$4,340)	(\$451,279)	\$14,256	(\$293,854)	\$0	(\$735,217)

# Citizens Gas Calculation of Actual Gas Cost Variance December 2019

Line No		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	All GCA Classes
	Calculation of Balancing Demand Variance							
17	Allocated actual Balancing Demand cost (Sch. 7, pg. 2, Col A ln 1 * ln 31)	\$107	\$19,500	\$1,937	\$12,508	\$2,481	\$3,627	\$40,160
18	Allocated PEPL Balancing Demand & variable cost (Sch. 7, pg. 2, Col A ln 2 * ln 31)	184	33,358	3,313	21,398	4,244	6,204	68,701
19	Total actual Balancing Demand cost incurred (ln 17 + ln 18)	291	52,858	5,250	33,906	6,725	9,831	108,861
20	Actual Balancing Demand Cost Billed including Utility Gross Receipts Tax (Sch. 6A, ln 38)	\$192	\$37,939	\$2,704	\$24,263	\$4,959	\$7,847	\$77,904
21	Actual Balancing Demand Cost Billed excluding Utility Gross Receipts Tax (ln 20 * (1-1.4%))	189	37,408	2,666	23,923	4,890	7,737	76,813
22	Balancing Demand Cost Variance from Cause No. 37399 - GCA 144 (Sch. 1, pg. 2 Dec., 2019 ln 11)	(103)	(17,499)					(17,602)
23	Balancing Demand Cost Variance from Cause No. 37399 - GCA 144 (Sch. 1, pg. 3 Dec., 2019 ln 28)			(2,315)	(11,757)	251	3,647	(10,174)
24	Balancing Demand cost recovered to be reconciled with actual Balancing Demand Cost Incurred (ln21 - ln22 - ln23)	\$292	\$54,907	\$4,981	\$35,680	\$4,639	\$4,090	\$104,589
25	Balancing Demand cost variance (over)/underrecovery (ln 19 - ln 24)	(\$1)	(\$2,049)	\$269	(\$1,774)	\$2,086	\$5,741	\$4,272

# Citizens Gas Calculation of Actual Gas Supply and Balancing Demand Cost Variance December 2019

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 All GCA Classes
26		17,425	3,161,581	37,901	1,219,263	-		4,436,170
27	Standard Delivery - Dths			260,900	802,087	268,037	20,948	1,351,972
28	Basic Delivery - Dths			15,168	6,676	134,178	567,079	723,101
29	Total Throughput - Dths (ln 26+ ln 27 + ln 28)	17,425	3,161,581	313,969	2,028,026	402,215	588,027	6,511,243
30	Retail sales allocation factor (ln 26 / ln 26, col. G)	0.003928	0.712682	0.008544	0.274846	0.000000	0.000000	1.000000
31	Throughput subject to Balancing GCA allocation factor (ln 29/ln 29, column G)	0.002676	0.485558	0.048220	0.311465	0.061772	0.090309	1.000000
	Calculation of Gas Supply Charge Recovery							
32	Gas Supply Charge Cause No. 37399 - GCA 144 (D1 & D2 excludes balancing charges) per Dth	\$2.8080	\$2.9190	\$2.6720	\$2.8310	\$0.0000	\$0.0000	
33	Gas Supply Charge Recovery (ln 26 * ln 32)	\$48,929	\$9,228,655	\$101,271	\$3,451,734	\$0		\$12,830,589
	Calculation of Balancing Charge Recovery							
34	Balancing GCA Charge Cause No. 37399 - GCA 144 Standard & Retail Customers (per Dth)	\$0.0110	\$0.0120	\$0.0090	\$0.0120	\$0.0180	\$0.1580	
35	Balancing GCA Charge Cause No. 37399 - GCA 144 Basic Delivery Customers (per Dth)			\$0.001	\$0.001	\$0.001	\$0.008	
36	Balancing Charge Recovery - Standard & Retail (ln 26 + ln 27) * (ln 34)	\$192	\$37,939	\$2,689	\$24,256	\$4,825	\$3,310	\$73,211
37	Balancing Charge Recovery - Basic (ln 28 * ln 35)			\$15	\$7	\$134	\$4,537	\$4,693
38	Total Balancing Charge Recovery (ln 36 + ln 37)	\$192	\$37,939	\$2,704	\$24,263	\$4,959	\$7,847	\$77,904

### Citizens Gas Calculation of Actual Gas Supply and Balancing Demand Cost Variance January 2020

Line No		Gas Rate No. D1	Gas Rate No. D2	Gas Rate No. D3/No. D7	Gas Rate No. D4	Gas Rate No. D5	All GCA Classes
	Calculation of Gas Supply Variance						
1	Retail Peak day demand allocation factor Cause No. 37399 - GCA 140	0.003153	0.740425	0.006293	0.250129	0.000000	1.000000
2	Retail Throughput demand allocation factor Cause No. 37399 - GCA 140	0.003754	0.705611	0.019399	0.271236	0.000000	1.000000
3	Retail Peak day/Retail throughput demand allocation factor (ln 1 * 79%) + (ln 2 * 21%)	0.003279	0.733115	0.009045	0.254561	0.000000	1.000000
4	Normalized Retail Seasonal Demand Allocation Factor Cause No. 37399 - GCA 140	0.003122	0.733268	0.003164	0.260446	0.000000	1.000000
5	Actual net Demand cost allocated (In 3 * Schedule 7, pg. 1,Col C In 1 )	\$6,236	\$1,394,218	\$17,202	\$484,117	\$0	\$1,901,773
6	Allocated other demand costs (ln 2 * ((Schedule 7 pg. 1, Col C ln 4))	3,842	722,242	19,856	277,629	0	1,023,569
7	Allocated contracted storage costs (ln 4 * Schedule 7 pg. 1, Col D ln 3))	2,314	543,396	2,345	193,006	0	741,061
8	Actual other non-demand gas costs (Sch. 7 pg. 1, Col D, ln 2 + ln 4 ) * (Sch. 6B, ln 30))	28,583	6,453,133	86,705	2,442,747	0_	9,011,168
9	Total actual cost of gas incurred (Ins 5+6+7+8)	\$40,975	\$9,112,989	\$126,108	\$3,397,499	\$0	\$12,677,571
10	Actual cost of gas billed including Utility Gross Receipts Tax (Sch. 6B, ln 33)	\$43,014	\$10,359,337	\$128,498	\$3,638,802	\$0	\$14,169,651
11	Actual cost of gas billed excluding Utility Gross Receipts Tax (ln 10 * (1 - 1.4%))	42,412	10,214,306	126,699	3,587,859	0	13,971,276
12	Net - Write Off Recovered (Sch 12 C ln 9)	595	137,983	285	13,393	0	152,256
13	Variance from Cause No. 37399-GCA 144 Filing (Sch. 1, pg. 2 Jan., 2020 ln 17)	(2,848)	(142,996)	7,334	(224,341)	0	(362,851)
14	Refund from cause No. 37399- GCA 144 Filing (Sch. 1, pg. 2 Jan., 2020 In 18)	0	0_	0	0	0	0
15	Gas cost recovered to be reconciled with actual cost of gas incurred (ln 11 - ln 12 - ln 13 + ln 14)	\$44,665	\$10,219,319	\$119,080	\$3,798,807	\$0	\$14,181,871
16	Gas cost variance (over)/underrecovery (ln 9 - ln 15)	(\$3,690)	(\$1,106,330)	\$7,028	(\$401,308)	\$0	(\$1,504,300)

IURC Cause No. 37399 - GCA 146 Attachment KLK - 7, Page 40 of 68 Schedule 6B, Page 1 of 3

# Citizens Gas Calculation of Actual Gas Supply and Balancing Demand Cost Variance January 2020

Line No		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	All GCA Classes
	Calculation of Balancing Demand Variance							
17	Allocated actual Balancing Demand cost ((Sch. 7, pg. 2, Col B ln 1 *) *ln 31)	\$89	\$20,118	\$1,685	\$12,267	\$2,416	\$3,585	\$40,160
18	Allocated ADS2 Balancing Demand & variable cost ((Sch. 7, pg. 2, Col B ln 2) * ln 31)	163	36,715	3,075	22,388	4,409	6,542	73,292
19	Total actual Balancing Demand cost incurred (ln17 + ln 18)	\$252	\$56,833	\$4,760	\$34,655	\$6,825	\$10,127	\$113,452
20	Actual Balancing Demand Cost Billed including Utility Gross Receipts Tax (Sch. 6B, ln 38)	\$157	\$38,918	\$2,238	\$23,661	\$4,991	\$8,976	\$78,941
21	Actual Balancing Demand Cost Billed excluding Utility Gross Receipts Tax (ln 20 * (1-1.4%))	155	38,373	2,207	23,330	4,921	8,850	77,836
22	Balancing Demand Cost Variance from Cause No. 37399 - GCA 144 (Sch. 1, pg. 2 Jan., 2020 ln 11)	(124)	(19,215)	-	-	-	-	(19,339)
23	Balancing Demand Cost Variance from Cause No. 37399 - GCA 144 (Sch. 1, pg. 3 Jan., 2020 ln 28)			(2,285)	(14,168)	265	3,698	(12,490)
24	Balancing Demand cost recovered to be reconciled with actual Balancing Demand Cost Incurred (ln 21 - ln 22 - ln 23)	\$279	\$57,588	\$4,492	\$37,498	\$4,656	\$5,152	\$109,665
25	Balancing Demand cost variance (over)/underrecovery (ln 19 - ln 24)	(\$27)	(\$755)	\$268	(\$2,843)	\$2,169	\$4,975	\$3,787

## Citizens Gas Calculation of Actual Gas Supply and Balancing Demand Cost Variance January 2020

Line No.		A Gas Rate No. D1	B Gas Rate No. D2	C Gas Rate <u>No. D3/No. D7</u>	D Gas Rate No. D4	E Gas Rate No. D5	F Gas Rate No. D9	G All GCA Classes
26	Retail gas sales - Dths	15,670	3,538,025	47,539	1,339,272	0	0	4,940,506
27	Standard Delivery - Dths		-	232,206	811,105	285,359	26,397	1,355,067
28	Basic Delivery - Dths			16,544	7,015	139,510	604,026	767,095
29	Total Throughput - Dths (ln 26 + ln 27 + ln 28)	15,670	3,538,025	296,289	2,157,392	424,869	630,423	7,062,668
30	Retail sales allocation factor (ln 26 / ln 26, col. G)	0.003172	0.716126	0.009622	0.271080	0.000000	0.000000	1.000000
31	Throughput subject to Balancing GCA allocation factor (ln 29 / ln 29, column G)	0.002219	0.500948	0.041951	0.305464	0.060157	0.089261	1.000000
	Calculation of Gas Supply Charge Recovery							
32	Gas Supply Charge Cause No. 37399 - GCA 144 (D1 & D2 excludes balancing charges) per Dth	\$2.745	\$2.928	\$2.703	\$2.717	\$0.000	\$0.000	
33	Gas Supply Charge Recovery (ln 26* ln 32)	\$43,014	\$10,359,337	\$ 128,498	\$3,638,802	\$0	<u>\$0</u>	\$14,169,651
	Calculation of Balancing Charge Recovery							
34	Balancing GCA Charge Cause No. 37399 - GCA 144 Standard & Retail Customers (per Dth)	\$0.010	\$0.011	\$0.008	\$0.011	\$0.017	\$0.157	
35	Balancing GCA Charge Cause No. 37399 - GCA 144 Basic Delivery Customers (per Dth)	-	-	\$0.000	\$0.001	\$0.001	\$0.008	
36	Balancing Charge Recovery - Standard & Retail (ln 26 + ln 27) * (ln 34)	\$157	\$38,918	\$2,238	\$23,654	\$4,851	\$4,144	\$73,962
37	Balancing Charge Recovery - Basic (ln 28 * ln 35)			\$0	\$7	\$140	\$4,832	\$4,979
38	Total Balancing Charge Recovery (ln 36 + ln 37)	\$157	\$38,918	\$2,238	\$23,661	\$4,991	\$8,976	\$78,941

## Citizens Gas Calculation of Actual Gas Supply and Balancing Demand Cost Variance February 2020

Line No		Gas Rate No. D1	Gas Rate No. D2	Gas Rate No. D3/No. D7	Gas Rate No. D4	Gas Rate No. D5	All GCA Classes
	Calculation of Gas Supply Variance						
1	Retail Peak day demand allocation factor Cause No. 37399 - GCA 140	0.003153	0.740425	0.006293	0.250129	0.000000	1.000000
2	Retail Throughput demand allocation factor Cause No. 37399 - GCA 140	0.003754	0.705611	0.019399	0.271236	0.000000	1.000000
3	Retail Peak day/Retail throughput demand allocation factor (ln 1 * 79%) + (ln 2 * 21%)	0.003279	0.733115	0.009045	0.254561	0.000000	1.000000
4	Normalized Retail Seasonal Demand Allocation Factor Cause No. 37399 - GCA 140	0.003122	0.733268	0.003164	0.260446	0.000000	1.000000
5	Actual net Demand cost allocated (ln 3 * Schedule 7 pg. 1, Col E ln 1)	\$5,700	\$1,274,454	\$15,724	\$442,531	\$0	\$1,738,409
6	Allocated other demand costs (ln 2 * (Schedule 7 pg. 1, Col E, ln 4))	3,149	591,910	16,273	227,529	0	838,861
7	Allocated contracted storage costs (ln 4 * Schedule 7 pg. 1,Col F ln 3)	2,294	538,768	2,325	191,362	0	734,749
8	Actual other non-demand gas costs ((Sch. 7 pg. 1, ln 2 + ln 4) * (Sch. 6C, ln 30))	33,639	6,578,624	77,515	2,508,626	0	9,198,404
9	Total actual cost of gas incurred ( $\ln 5 + \ln 6 + \ln 7 + \ln 8$ )	\$44,782	\$8,983,756	\$111,837	\$3,370,048	\$0	\$12,510,423
10	Actual cost of gas billed including Utility Gross Receipts Tax (Sch. 6C, ln 33)	\$48,232	\$9,676,288	\$115,998	\$3,427,077	\$0	\$13,267,595
11	Actual cost of gas billed excluding Utility Gross Receipts Tax (ln 10 * (1 - 1.4%))	47,557	9,540,820	114,374	3,379,098	0	13,081,849
12	Net - Write Off Recovered (Sch 12 C ln 15)	730	128,541	379	12,254	0	141,904
13	Variance from Cause No. 37399-GCA 144 Filing (Sch. 1, pg. 2 Feb., 2020, ln 17)	(\$2,439)	(\$141,931)	\$4,719	(\$219,501)	\$0	(359,152)
14	Refund from cause No. 37399- GCA 144 Filing (Sch. 1, pg. 2 Feb., 2020, ln 18)	0	0	0_	0	0	0
15	Gas cost recovered to be reconciled with actual cost of gas incurred (ln 11 - ln 12 - ln 13 + ln 14)	\$49,266	\$9,554,210	\$109,276	\$3,586,345	\$0	\$13,299,097
16	Gas cost variance (over)/underrecovery (ln 9 - ln 15 )	(\$4,484)	(\$570,454)	\$2,561	(\$216,297)	\$0	(\$788,674)

# Citizens Gas Calculation of Actual Gas Supply and Balancing Demand Cost Variance February 2020

Line No		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	All GCA Classes
	Calculation of Balancing Demand Variance							
17	Allocated actual Balancing Demand cost (Sch. 7, pg. 2, ln 1 * ln 31)	\$99	\$19,274	\$1,465	\$11,459	\$2,035	\$3,237	\$37,569
18	Allocated ADS2 Balancing Demand cost (Sch. 7, pg. 2, ln 2 * ln 31)	\$191	\$37,282	\$2,833	\$22,164	\$3,936	\$6,261	\$72,667
19	Total actual Balancing Demand cost incurred (ln 17 + ln 18)	\$290	\$56,556	\$4,298	\$33,623	\$5,971	\$9,498	\$110,236
20	Actual Balancing Demand Cost Billed including Utility Gross Receipts Tax ( ln 38 )	\$164	\$35,706	\$1,779	\$21,167	\$4,054	\$8,325	\$71,195
21	Actual Balancing Demand Cost Billed excluding Utility Gross Receipts Tax (ln 20 * (1-1.4%))	162	35,206	1,754	20,871	3,997	8,208	70,198
22	Balancing Demand Cost Variance from Cause No. 37399 - GCA 144 (Sch. 1, pg. 2 Feb., 2020 ln 11)	(105)	(19,071)	-	-	-	-	(19,176)
23	Balancing Demand Cost Variance from Cause No. 37399 - GCA 144 (Sch. 1, pg. 3 Feb., 2020 ln 28)			(1,986)	(13,129)	237	3,604	(11,274)
24	Balancing Demand cost recovered to be reconciled with actual Balancing Demand Cost Incurred (ln21 - ln22 - ln23)	\$267	\$54,277	\$3,740	\$34,000	\$3,760	\$4,604	\$100,648
25	Balancing Demand cost variance (over)/underrecovery (ln 19 - ln 24)	\$23	\$2,279	\$558	(\$377)	\$2,211	\$4,894	\$9,588

Citizens Gas
Calculation of Actual Gas Supply and Balancing Demand Cost Variance
February 2020

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 All GCA Classes
	Calculation of Allocation Factors							
26	Retail gas sales - Dth	18,256	3,570,586	42,074	1,361,572	-	-	4,992,488
27	Standard Delivery - Dths	-	-	212,156	754,443	245,112	23,838	1,235,549
28	Basic Delivery - Dths			17,063	6,609	131,879	575,734	731,285
29	Total Throughput - Dths (ln 26 + ln 27 + ln 28)	18,256	3,570,586	271,293	2,122,624	376,991	599,572	6,959,322
30	Retail sales allocation factor (ln 26 / ln 26, col. G)	0.003657	0.715192	0.008427	0.272724	0.000000	0.000000	1.000000
31	Throughput subject to Balancing GCA allocation factor (ln 29 / 29, column G)	0.002623	0.513065	0.038983	0.305004	0.054171	0.086154	1.000000
	Calculation of Gas Supply Charge Recovery							
32	Gas Supply Charge Cause No. 37399 - GCA 144 (D1 & D2 excludes balancing charges) per Dth	\$2.642	\$2.710	\$2.757	\$2.517	\$0.000	\$0.000	
33	Gas Supply Charge Recovery (ln 26 * ln 32)	\$48,232	\$9,676,288	\$115,998	\$3,427,077			\$13,267,595
	Calculation of Balancing Charge Recovery							
34	Balancing GCA Charge Cause No. 37399 - GCA 144 Standard & Retail Customers (per Dth)	\$0.009	\$0.010	\$0.007	\$0.010	\$0.016	\$0.156	
35	Balancing GCA Charge Cause No. 37399 - GCA 144 Basic Delivery Customers (per Dth)	-	-	\$0.000	\$0.001	\$0.001	\$0.008	
36	Balancing Charge Recovery - Standard & Retail (ln 26 + ln 27) * (ln 34)	\$164	\$35,706	\$1,779	\$21,160	\$3,922	\$3,719	\$66,450
37	Balancing Charge Recovery - Basic (ln 28 * ln 35)	<u> </u>		\$0	\$7	\$132	\$4,606	\$4,745
38	Total Balancing Charge Recovery (ln 36 + ln 37)	\$164	\$35,706	\$1,779	\$21,167	\$4,054	\$8,325	\$71,195

1/ Line 36 Column C calculation is (218,783 \* 0.007) + (35,447 \* 0.007)

#### Citizens Gas Trailing Twelve Month Variance For January 2019 through February 2020

Line No.		A January 2019	B February 2019	C March 2019	D April 2019	E May 2019	F June 2019	G July 2019	H August 2019	I September 2019	J October 2019	K November 2019	L December 2019	M January 2020	N February 2020
1 Actual Cost of Gas 2 Variance	Total Sch 6 pg 1 ln 9 + Sch 6 pg 2 ln 19 Total Sch 6 pg 1 ln 16 + Sch 6 pg 2 ln 25	\$22,652,167 (\$1,033,702)	\$16,245,076 (\$999,572)	\$16,772,955 \$1,406,536	\$5,608,209 (\$16,486)	\$3,006,102 (\$133,948)	\$1,865,600 (\$133,915)	\$1,561,858 (\$505,943)	\$1,561,600 (\$170,161)	\$1,586,271 (\$132,983)	\$3,940,195 (\$838,374)	\$11,139,702 (\$828,796)	\$12,187,945 (\$730,945)	\$12,791,023 (\$1,500,513)	\$12,620,659 (\$779,086)
3 4 5									Variance Trailing T	Twelve Months (In 1, welve Months (In 2, we Months % Variance	col A-L)		\$98,127,680 (\$4,118,289) -4.20%		
6 7 8									Variance Trailing T	Twelve Months (In 1, welve Months (In 2, o ve Months % Variand	col B-M)			\$88,266,536 (\$4,585,100) -5.19%	
9 10 11									Variance Trailing T	Twelve Months (In 1, welve Months (In 2, ve Months % Variand	col C-N)				\$84,642,119 (\$4,364,614) -5.16%

# Citizens Gas Determination of Actual Retail Gas Costs For Three Months Ending February 29, 2020

		А	В	С	D	E	F
		Decemb	ber 2019	Januar	ry 2020	Februa	ry 2020
Line No.	_	Demand	Non-Demand	Demand	Non-Demand	Demand	Non-Demand
1	Demand gas costs (Sch. 8)	\$1,901,181	-	\$1,901,773	-	\$1,738,409	-
2	Pipeline non-demand gas costs (Schedule 8)	-	6,625,117	-	4,112,971	-	5,202,641
3	PEPL Contracted storage and related transportation costs (Sch. 9)	-	694,645	-	741,061	-	734,749
4	Net cost of gas (injected into) withdrawn from storage (Schedule 10)	485,307	2,372,834	1,023,569	4.898,197	838,861	3,995,763
5	Total gas costs	\$2,386,488	\$9,692,596	\$2,925,342	\$9,752,229	\$2,577,270	\$9,933,153

# Citizens Gas Determination of Actual Balancing Costs For Three Months Ending February 29, 2020

Line No.		A December 2019	B January 2020	C February 2020
1	Balancing Demand Costs (Schedule 8)	\$40,160	\$40,160	\$37,569
2	PEPL Balancing Demand Costs (Sch. 9)	68,701	73,292	72,667
3	Total Balancing Costs	\$108,861	\$113,452	\$110,236

#### Citizens Gas Purchased Gas Cost - Per Books <u>December 2019</u>

		А	в	С	D	Е	F	G	Н	Ι
Line No		Demand - Dth	Commodity Dth	Demand \$/Unit	Commodity \$/Dth	Other \$/Unit	Demand (A x C)	Commodity (B x D)	Other	Total (F + G + H)
	Accrual -November, 2019									
	Exelon Generation Company									
1	Panhandle Eastern Pipeline - TOR	33,463		\$ 12.2300	s -		\$ 409,252	s -		\$ 409.252
2	MGT Pipeline -	1.350.000	-	0.0641	· ·		3 409,232 86,504	· ·		3 409,232 86,504
3	Indiana Municipal Gas Purchasing Authority - TOR		18,510	-	2.1446			39,696		39,696
4	Indiana Municipal Gas Purchasing Authority - Prepay	17,090	494,190	12.2269	1.8129		208,957	895,941		1,104,898
5	Texas Gas Transmission - Nominated Demand	1,303,050		0.3543	-		461,671			461,671
6 7	Texas Gas Transmission - Unnominated Demand Texas Gas Transmission - Commodity - TOR	1,096,950		0.3543	-		388,649			388,649
8	Texas Gas Transmission - Commonly - TOK Texas Gas Transmission - Unnominated Injection	(85,119)	(85,119)	0.5815	2.2029		(49,497)	(187,509)		(237.006)
9	Texas Gas Transmission - Unnominated Withdrawal	500,042	500,042	0.3880	2.0516		194,016	1,025,886		1,219,902
10	Texas Gas Transmission - Unomminated Seasonal GasStorage Refill			-	-		-			
11	Rockies Express - Delivered Supply - (BP REX)		300,000	-	2.3870		-	716,100		716,100
12	Rockies Express - Delivered Supply - (BP PEAK)		300,000	-	2.2070		-	662,100		662,100
13	Rockies Express - EAST Intraday Purchases	20,000	6,950	16.7292	2.5970		334,583	18,049		334,583 18,049
14			6,950		2.5970			18,049		18,049
16	TGT, PEPL, & MGT and REX Swing/Daily Gas (Commodity)		1,596,978	-	2.2627		-	3,613,483		3,613,483
17	TGT, PEPL, & MGT and REX Swing/Daily Gas (Demand)			-	-					-
18	Hedging Transaction Cost				-			77,279		77,279
19	Imbalance		11,841	-	2.1797			25,810		25,810
20 21	Utilization Fee			-			(243,750)	-		(243,750)
21	Net Demand Cost Charges - AMA Contract Services						-			
23	Third Party Supplier Balancing Gas Costs		69,620	-			-	97,773		97,773
	Boil-off / Peaking purchase		44,207	-	2.5970		-	114,806		114,806
25	MGT Cash Out Imbalance		-	-	-			-		-
26	NSS Injection fuel loss	-	(234)	-	-		-			-
27	Backup Supply Sales		-		-			-		-
28	Subtotal		3,256,985				\$1,790,385	\$7,099,414	\$0	\$8,889,799
28	Subtotal Actual - November, 2019		3,256,985				\$1,790,385	\$7,099,414	\$0	\$8,889,799
28	Actual - November, 2019		3,256,985				\$1,790,385	\$7,099,414	\$0	\$8,889,799
	Actual - November, 2019 Exelon Generation Company	33.463		\$ 12,2300	\$				\$0	
29	Actual - November, 2019 Exelon Generation Company Panhandle Eastern Pipeline - TOR	33,463 1.350,000	3,256,985	\$ 12.2300 0.0641	\$ - -		\$ 409,252		\$0	\$ 409,252
	Actual - November, 2019 Exelon Generation Company	33,463 1,350,000		\$ 12.2300 0.0641	\$ -				\$0	
29 30	Actual - November, 2019 Exelon Generation Company Panhandle Eastern Pipeline - TOR MGT Pipeline - TOR Indiana Municipal Gas Purchasing Authority - TOR Indiana Municipal Gas Purchasing Authority - Prepay	1,350,000		0.0641	-		\$ 409,252 86,504 208,957	\$	\$0	\$ 409,252 86,504
29 30 31 32 33	Actual - November, 2019 Exclon Generation Company Panhandle Eastern Pipeline - TOR MGT Pipeline - Indiana Municipal Gas Purchasing Authority - TOR Indiana Municipal Gas Purchasing Authority - Prepay Texas Gas Transmission - Nominated Demand	1,350,000 17,090 1,303,050		0.0641 12.2269 0.3543	2.1446 1.8129		\$ 409,252 86,504 208,957 461,671	\$	\$0	\$ 409,252 86,504 39,696 1,104,898 461,671
29 30 31 32 33 34	Actual - November, 2019 Exelon Generation Company Panhandle Eastern Pipeline - TOR MGT Pipeline - Indiana Municipal Gas Purchasing Authority - TOR Indiana Municipal Gas Purchasing Authority - Prepay Texas Gas Transmission - Unnominated Demand Texas Gas Transmission - Unnominated Demand	1,350,000		0.0641 12.2269 0.3543 0.3543	2.1446 1.8129		\$ 409,252 86,504 208,957	\$	\$0	\$ 409,252 86,504 39,696 1,104,898
29 30 31 32 33 34 35	Actual - November, 2019 Exelon Generation Company Panhandle Eastern Pipeline - TOR MGT Pipeline - Indiana Municipal Gas Purchasing Authority - TOR Indiana Municipal Gas Purchasing Authority - Prepay Texas Gas Transmission - Nominated Demand Texas Gas Transmission - Unnominated Demand Texas Gas Transmission - Unnominated Demand	1,350,000 17,090 1,303,050 1,096,950	18,510 494,190	0.0641 12.2269 0.3543 0.3543	2.1446 1.8129		\$ 409.252 86,504 208,957 461,671 388,649	\$ 39,696 895,941	\$0	\$ 409,252 86,504 39,696 1,104,898 461,671 388,649
29 30 31 32 33 34	Actual - November, 2019 Exelon Generation Company Panhandle Eastern Pipeline - TOR MGT Pipeline - Indiana Municipal Gas Purchasing Authority - TOR Indiana Municipal Gas Purchasing Authority - Prepay Texas Gas Transmission - Unnominated Demand Texas Gas Transmission - Unnominated Demand	1,350,000 17,090 1,303,050		0.0641 12.2269 0.3543 0.3543	2.1446 1.8129		\$ 409,252 86,504 208,957 461,671	\$	\$0	\$ 409,252 86,504 39,696 1,104,898 461,671
29 30 31 32 33 34 35 36	Actual - November, 2019 Exclon Generation Company Panhandle Eastern Pipeline - TOR MGT Pipeline - TOR Mdinan Municipal Gas Purchasing Authority - TOR Indiana Municipal Gas Purchasing Authority - Prepay Texas Gas Transmission - Unominated Demand Texas Gas Transmission - Commodity - TOR Texas Gas Transmission - Commodity - TOR Texas Gas Transmission - Commodity - TOR	1,350,000 17,090 1,303,050 1,096,950 (85,119)	18,510 494,190 (85,119) 500,042	0.0641 12.2269 0.3543 0.3543 0.5819	2.1446 1.8129 2.2027 2.0516		\$ 409.252 86,504 208,957 461,671 388,649 (49,531)	\$ 39,696 895,941 (187,492) 1,025,886	\$0	\$ 409.252 86,504 39,696 1,104,898 461,671 388,649 (237,023) 1,219,902
29 30 31 32 33 34 35 36 37 38 39	Actual - November, 2019 Exclon Generation Company Panhandk Eastern Pipeline - TOR MGT Pipeline - Indiana Municipal Gas Purchasing Authority - TOR Indiana Municipal Gas Purchasing Authority - Prepay Texas Gas Transmission - Nominated Demand Texas Gas Transmission - Unnominated Demand Texas Gas Transmission - Unnominated Direction Texas Gas Transmission - Unnominated Direction Texas Gas Transmission - Unnominated Microwal Texas Gas Transmission - Unnominated Microwal Texas Gas Transmission - Unnominated Windrawal Texas Gas Transmission - Unnominated Windrawal Texas Gas Transmission - Unnominated Windrawal Texas Gas Transmission - Unnominated Windrawal	1,350,000 17,090 1,303,050 1,096,950 (85,119)	18,510 494,190 (85,119) 500,042 300,000	0.0641 12.2269 0.3543 0.3543 0.5819	2.1446 1.8129 2.2027 2.0516 2.3870		\$ 409.252 86,504 208,957 461,671 388,649 (49,531)	\$ 39,696 895,941 (187,492) 1,025,886 716,100	50	\$ 409,252 86,504 39,696 1,104,898 461,671 388,649 (237,023) 1,219,902 716,100
29 30 31 32 33 34 35 36 37 38 39 40	Actual - November, 2019 Exclon Generation Company Panhandle Eastern Pipeline - TOR MGT Pipeline - Indiana Municipal Gas Purchasing Authority - Prepay Texas Gas Transmission - Unominated Demand Texas Gas Transmission - Unominated Demand Texas Gas Transmission - Commodity - TOR Texas Gas Transmission - Unominated Mithdrawal Texas Gas Transmission - Unominated Stranger Refill Rockies Express - Delivered Suppl - (BP FEX) Rockies Express - Delivered Suppl - (BP FEX)	1,350,000 17,090 1,303,050 1,096,950 (85,119) 500,042	18,510 494,190 (85,119) 500,042 300,000 300,000	0.0641 12.2269 0.3543 0.3543 0.3543 0.35819 0.3880	2.1446 1.8129 2.2027 2.0516 2.3870 2.2070		\$ 409,252 86,504 208,957 461,671 388,649 (49,531) 194,016	\$ 39,696 895,941 (187,492) 1,025,886	50	\$ 409,252 86,504 39,696 461,671 388,649 (237,023) 1,219,902 716,100 662,100
29 30 31 32 33 34 35 36 37 38 39 40 41	Actual - November, 2019 Exclon Generation Company Panhandle Eastern Pipeline - TOR MGT Pipeline - Indiana Municipal Gas Purchasing Authority - TOR Indiana Municipal Gas Purchasing Authority - Prepay Texas Gas Transmission - Nominated Denand Texas Gas Transmission - Nominated Denand Texas Gas Transmission - Commodity - TOR Texas Gas Transmission - Unominated Injection Texas Gas Transmission - Unominated Seasonal GasStorage Refill Rockies Express - Delivered Supply - (BP PEAK) Rockies Express - EAST	1,350,000 17,090 1,303,050 1,096,950 (85,119)	18,510 494,190 (85,119) 500,042 300,000 300,000	0.0641 12.2269 0.3543 0.3543 0.5819 0.3880	2.1446 1.8129 2.2027 2.0516 2.3870 2.2070		\$ 409,252 86,504 208,957 461,671 388,649 (49,531) 194,016	\$ 39,696 895,941 (187,492) 1,025,886 716,100 662,100	50	\$ 409,252 86,504 39,696 1,104,898 461,671 388,649 (237,023) 1,219,902 716,100 662,100 334,583
29 30 31 32 33 34 35 36 37 38 39 40 41 42	Actual - November, 2019 Exclon Generation Company Panhandle Eastern Pipeline - TOR MGT Pipeline - Indiana Municipal Gas Purchasing Authority - Prepay Texas Gas Transmission - Unominated Demand Texas Gas Transmission - Unominated Demand Texas Gas Transmission - Commodity - TOR Texas Gas Transmission - Unominated Direnand Texas Gas Transmission - Unominated Mithdrawal Texas Gas Transmission - Unominated Mithdrawal Texas Gas Transmission - Unominated Storage Refill Rockies Express - Delivered Supply - (BP REX) Rockies Express - Delivered Supply - (BP PEAK) Rockies Express - EAST	1,350,000 17,090 1,303,050 1,096,950 (85,119) 500,042	18,510 494,190 (85,119) 500,042 300,000 300,000	0.0641 12.2269 0.3543 0.3543 0.3543 0.35819 0.3880	2.1446 1.8129 2.2027 2.0516 2.3870 2.2070		\$ 409,252 86,504 208,957 461,671 388,649 (49,531) 194,016	\$ 39,696 895,941 (187,492) 1,025,886 716,100	50	\$ 409,252 86,504 39,696 461,671 388,649 (237,023) 1,219,902 716,100 662,100
29 30 31 32 33 34 35 36 37 38 39 40 41 42 43	Actual - November, 2019 Exclon Generation Company Panhandle Eastern Pipeline - TOR MGT Pipeline - Indiana Municipal Gas Purchasing Authority - TOR Indiana Municipal Gas Purchasing Authority - Prepay Texas Gas Transmission - Nominated Demand Texas Gas Transmission - Nominated Demand Texas Gas Transmission - Commodity - TOR Texas Gas Transmission - Unnominated Discond Texas Gas Transmission - Unnominated Mindra Val Texas Gas Transmission - Unnominated Seasonal GasStorage Refill Rockies Express - Delivered Supply - (BP PEAK) Rockies Express - EAST Intrady Purchases Fuel Retention Volumes	1,350,000 17,090 1,303,050 1,096,950 (85,119) 500,042	18,510 494,190 (85,119) 500,042 300,000 300,000 6,950	0.0641 12.2269 0.3543 0.3543 0.3543 0.35819 0.3880	2.1446 1.8129 2.2027 2.0516 2.3870 2.2070 2.5970		\$ 409,252 86,504 208,957 461,671 388,649 (49,531) 194,016	\$ 39,696 895,941 1,025,886 716,100 662,100 18,049	50	\$ 409,252 86,504 39,696 1,104,898 461,671 388,649 (237,023) 1,219,902 716,100 662,100 334,583 18,049
29 30 31 32 33 34 35 36 37 38 39 40 41 42	Actual - November, 2019 Exclon Generation Company Panhandle Eastern Pipeline - TOR MGT Pipeline - Indiana Municipal Gas Purchasing Authority - Prepay Texas Gas Transmission - Unominated Demand Texas Gas Transmission - Unominated Demand Texas Gas Transmission - Commodity - TOR Texas Gas Transmission - Unominated Direnand Texas Gas Transmission - Unominated Mithdrawal Texas Gas Transmission - Unominated Mithdrawal Texas Gas Transmission - Unominated Storage Refill Rockies Express - Delivered Supply - (BP REX) Rockies Express - Delivered Supply - (BP PEAK) Rockies Express - EAST	1,350,000 17,090 1,303,050 1,096,950 (85,119) 500,042	18,510 494,190 (85,119) 500,042 300,000 300,000	0.0641 12.2269 0.3543 0.3543 0.3543 0.35819 0.3880	2.1446 1.8129 2.2027 2.0516 2.3870 2.2070		\$ 409,252 86,504 208,957 461,671 388,649 (49,531) 194,016	\$ 39,696 895,941 (187,492) 1,025,886 716,100 662,100 18,049 3,613,483	50	\$ 409,252 86,504 39,696 1,104,898 461,671 388,649 (237,023) 1,219,902 716,100 662,100 634,583 18,049 3,613,483
29 30 31 32 33 34 35 36 37 38 39 9 40 41 42 43 44 45 46	Actual - November, 2019 Exclon Generation Company Panhandle Exstern Pipeline - TOR MGT Pipeline - Iadiana Municipal Gas Purchasing Authority - Prepay Idaina Municipal Gas Purchasing Authority - Prepay Texas Gas Transmission - Unominated Demand Texas Gas Transmission - Unominated Demand Texas Gas Transmission - Unominated Demand Texas Gas Transmission - Unominated Mutharava Texas Gas Transmission - Unominated Sexonal GasStorage Refill Rockies Express - Delivered Supply - (BP FEX) Rockies Express - Delivered Suppl - (BP FEX) Rockies Express - EAST Grig PEPL, & MGT and REX Swing/Daily Gas (Commodity) TGT, PEPL, & MGT and REX Swing/Daily Gas (Demand) Hedging Transaction Cost	1,350,000 17,090 1,303,050 1,096,950 (85,119) 500,042	18,510 494,190 500,042 300,000 300,000 6,950 1,596,978	0.0641 12.2269 0.3543 0.3543 0.3543 0.35819 0.3880	2.1446 1.8129 2.2027 2.0516 2.3870 2.2070 2.5970 2.2627		\$ 409,252 86,504 208,957 461,671 388,649 (49,531) 194,016	\$ 39,696 895,941 (187,492) 1,025,886 716,100 662,100 18,049 3,613,483 77,279	50	\$ 409,252 86,504 39,696 1,104,888 461,671 388,669 (237,023) 1,219,902 716,100 662,100 334,583 18,049 3,613,483 77,279
29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47	Actual - November, 2019 Exelon Generation Company Panhandle Eastern Pipeline - TOR MGT Pipeline - Indiana Municipal Gas Purchasing Authority - Prepay Texas Gas Transmission - Nominated Demand Texas Gas Transmission - Nominated Demand Texas Gas Transmission - Commodiay - TOR Texas Gas Transmission - Commodiay - TOR Texas Gas Transmission - Unnominated Withdrawal Texas Gas Transmission - Unnominated Mithdrawal Texas Gas Transmission - Unnominated Seasong GasSrage Refill Rockies Express - Delivered Supply - (BP PEX) Rockies Express - Delivered Supply - (BP PEAK) Rockies Express - Delivered Supply - (BP PEAK) Rockies Express - EAST Intrady Purchases FGI-PEPL, & MGT and REX Swing/Daily Gas (Commodity) TGT,PEPL, & MGT and REX Swing/Daily Gas (Demand) Hedging Transaction Cost Imbalance	1,350,000 17,090 1,303,050 1,096,950 (85,119) 500,042	18,510 494,190 (85,119) 500,042 300,000 300,000 6,950	0.0641 12.2269 0.3543 0.3543 0.3543 0.35819 0.3880	2.1446 1.8129 2.2027 2.0516 2.3870 2.2070 2.5970 2.2627 2.1795		\$ 409,252 86,504 208,957 461,671 388,649 (49,531) 194,016 - 334,583	\$ 39,696 895,941 (187,492) 1,025,886 716,100 662,100 18,049 3,613,483	50	\$ 409,252 86,504 39,696 1,104,898 461,671 388,649 (237,023) 1,219,902 716,100 662,100 634,583 18,049 3,613,483 18,049
29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 44 45 46 47 48	Actual - November, 2019 Exclon Generation Company Panhandle Exstern Pipeline - TOR MGT Fipeline- Iadiana Municipal Gas Purchasing Authority - Prepay Iadiana Municipal Gas Purchasing Authority - Prepay Texas Gas Transmission - Mominated Demand Texas Gas Transmission - Mominated Demand Texas Gas Transmission - Commodity - TOR Texas Gas Transmission - Commodity - TOR Texas Gas Transmission - Unnominated Mutharwal Texas Gas Transmission - Unnominated Mutharwal Texas Gas Transmission - Unnominated Second GasStorage Refill Rackies Express - Delivered Supply - (BP FEK) Rackies Express - EAST Intraday Purchaess Fuel Retention Volumes TGT,PEPL, & MGT and REX Swing/Daily Gas (Commodity) TGT,PEPL, & MGT and REX Swing/Daily Gas (Demand) Hedging Transaction Cost Imbalance Utilization Fee	1,350,000 17,090 1,303,050 1,096,950 (85,119) 500,042	18,510 494,190 500,042 300,000 300,000 6,950 1,596,978	0.0641 12.2269 0.3543 0.3543 0.3543 0.35819 0.3880	2.1446 1.8129 2.2027 2.0516 2.3870 2.2070 2.5970 2.2627		\$ 409,252 86,504 208,957 461,671 388,649 (49,531) 194,016	\$ 39,696 895,941 (187,492) 1,025,886 716,100 662,100 18,049 3,613,483 77,279		\$ 409,252 86,504 39,696 1,104,888 461,671 388,669 (237,023) 1,219,902 716,100 662,100 334,583 18,049 3,613,483 77,279
29 300 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49	Actual - November, 2019 Exelon Generation Company Panhandle Eastern Pipeline - TOR MGT Pipeline - Indiana Municipal Gas Purchasing Authority - Prepay Texas Gas Transmission - Nominated Demand Texas Gas Transmission - Nominated Demand Texas Gas Transmission - Commodity - TOR Texas Gas Transmission - Commodity - TOR Texas Gas Transmission - Unnominated Mithdrawal Texas Gas Texas Delivered Supply - (BP PEAX) Rockites Express - Delivered Supply - (BP PEAK) Rockites Express - Delivered Supply - (BP PEAK) Rocki	1,350,000 17,090 1,303,050 1,096,950 (85,119) 500,042	18,510 494,190 500,042 300,000 300,000 6,950 1,596,978	0.0641 12.2269 0.3543 0.3543 0.3543 0.35819 0.3880	2.1446 1.8129 2.2027 2.0516 2.3870 2.2070 2.5970 2.2627 2.1795		\$ 409,252 86,504 208,957 461,671 388,649 (49,531) 194,016 - 334,583	\$ 39,696 895,941 (187,492) 1,025,886 716,100 662,100 18,049 3,613,483 77,279	50	\$ 409,252 86,504 39,696 1,104,898 461,671 388,649 (237,023) 1,219,902 716,100 662,100 634,583 18,049 3,613,483 18,049
29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 44 45 46 47 48	Actual - November, 2019 Exclon Generation Company Panhandle Eastern Pipeline - TOR MGT Fipeline- Iadiana Municipal Gas Purchasing Authority - Prepay Iadiana Municipal Gas Purchasing Authority - Prepay Texas Gas Transmission - Mominated Demand Texas Gas Transmission - Mominated Mitchaval Texas Gas Transmission - Mominated Selexand GasStorage Refill Rackies Express - Delivered Supply - (BP FEX) Rackies Express - Mort and REX Swing/Daily Gas (Commodity) TGT,PEPL, & MGT and REX Swing/Daily Gas (Demand) Hedging Transaction Cost Imbalance Utilization Fec Net Demand Cost Charges - AMA Contract Services	1,350,000 17,090 1,303,050 1,096,950 (85,119) 500,042	18,510 494,190 500,042 300,000 300,000 6,950 1,596,978	0.0641 12.2269 0.3543 0.3543 0.3543 0.35819 0.3880	2.1446 1.8129 2.2027 2.0516 2.3870 2.2070 2.5970 2.2627 2.1795		\$ 409,252 86,504 208,957 461,671 388,649 (49,531) 194,016 - 334,583	\$ 39,696 895,941 (187,492) 1,025,886 716,100 662,100 662,100 18,049 3,613,483 77,279 25,807	\$0	\$ 409,252 86,504 39,696 1,104,898 461,671 388,649 (237,023) 1,219,902 716,100 662,100 634,583 18,049 3,613,483 18,049
29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 7 48 49 950	Actual - November, 2019 Exelon Generation Company Panhandle Eastern Pipeline - TOR MGT Pipeline - Indiana Municipal Gas Purchasing Authority - Prepay Texas Gas Transmission - Nominated Demand Texas Gas Transmission - Nominated Demand Texas Gas Transmission - Commodiay - TOR Texas Gas Transmission - Commodiated Demand Texas Gas Transmission - Unnominated Withdrawal Texas Gas Transmission - Unnominated Seasonage Refull Rockies Express - Delivered Supply - (BP PEX) Rockies Express - Delivered Supply - (BP PEAK) Rockies Express - Delivered	1,350,000 17,090 1,303,050 1,096,950 (85,119) 500,042	18,510 494,190 (85,119) 500,042 300,000 300,000 1,596,978 11,841	0.0641 12.2269 0.3543 0.3543 0.3543 0.35819 0.3880	2.1446 1.8129 2.2027 2.0516 2.3870 2.2070 2.5970 2.2627 2.1795		\$ 409,252 86,504 208,957 461,671 388,649 (49,531) 194,016 - 334,583	\$ 39,696 895,941 (187,492) 1,025,886 716,100 662,100 18,049 3,613,483 77,279 25,807	50	\$ 409,252 86,504 39,606 1,104,898 461,671 338,649 
29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 38 39 40 41 42 43 35 50 51 52 53	Actual - November, 2019 Exclon Generation Company Panhandle Eastern Pipeline - TOR MGT Pipeline - Indiana Municipal Gas Parchasing Authority - TOR Indiana Municipal Gas Parchasing Authority - Prepay Texas Gas Transmission - Nominated Demand Texas Gas Transmission - Nominated Demand Texas Gas Transmission - Commodity - TOR Texas Gas Transmission - Unnominated Withdrawal Texas Gas Transmission - Unnominated Seasonal Gaskorage Refill Rockies Express - Delivered Supply - (BP REX) Rockies Express - Delivered Supply - (BP PEK) Rockies Express - Delivered Supply - (BP REX) Rockies Express - RAST Fuel Retention Volumes Heat Retention Volumes Rockies Express - RAST Fuel Retention Cost Imbalance Utilization Fee	1,350,000 17,090 1,303,050 1,096,950 (85,119) 500,042	18,510 494,190 (85,119) 500,042 300,000 300,000 6,950 1,596,978 11,841 69,620 44,207 (1,944)	0.0641 12.2269 0.3543 0.3543 0.3543 0.35819 0.3880	2.1446 1.8129 2.2027 2.0516 2.3870 2.2070 2.5970 2.2627 2.1795		\$ 409,252 86,504 208,957 461,671 388,649 (49,531) 194,016 - 334,583	\$ 39,696 895,941 (187,492) 1,025,886 716,100 662,100 18,049 3,613,483 77,279 25,807 97,773	\$0	\$ 409,252 86,504 39,696 1,104,898 461,671 388,649 (237,023) 1,219,902 716,100 662,100 662,100 662,100 334,583 18,049 3,613,483 18,049 25,807 (243,750) (243,750) 97,773
29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 37 46 44 45 46 47 48 49 50 51 52 2 53 35	Actual - November, 2019 Exclon Generation Company Panhandle Eastern Pipeline - TOR MGT Fipeline - Indiana Municipal Gas Purchasing Authority - Prepay Irexa Gas Transmission - Nominated Demand Texas Gas Transmission - Nominated Demand Texas Gas Transmission - Unominated Mutharwal Texas Gas Transmission - Unominated Mutharwal Texas Gas Transmission - Unominated Mutharwal Texas Gas Transmission - Unominated Seasonal GasStorage Refill Rockies Express - Delivered Supply - (BP PEX) Rockies Express - Delivered Supply - (BP PEX) Rockies Express - Delivered Supply - (BP PEX) Rockies Express - Delivered Supply - (BP PEAK) Rockies Express - Mottard TGT,PEPL, & MGT and REX Swing/Daily Gas (Commodity) TGT,PEPL, & MGT and REX Swing/Daily Gas (Commodity) TGT,PEPL, & MGT and REX Swing/Daily Gas (Demand) Hedging Transaction Cost Imbalance Utilization Fee Net Demand Cost Charges - AMA Contrat Services Third Party Supplier Balancing Gas Costs Boil-off //eaking purchase MGT Cash Out Imbalance	1,350,000 17,090 1,303,050 1,096,950 (85,119) 500,042	18,510 494,190 (85,119) 500,042 300,000 300,000 1,596,978 11,841 69,620 44,207	0.0641 12.2269 0.3543 0.3543 0.3543 0.35819 0.3880	2.1446 1.8129 2.2027 2.0516 2.2870 2.2670 2.2570 2.2227 		\$ 409,252 86,504 208,957 461,671 388,649 (49,531) 194,016 - 334,583	\$ 39,696 895,941 (187,492) 1,025,886 716,100 662,100 18,049 3,613,483 77,279 25,807 - 97,773 114,800	\$0	\$ 409,252 86,504 39,606 1,104,898 461,671 338,649 (237,023) 1,219,902 716,100 662,100 334,583 18,049 77,279 25,807 (243,750) (243,750) 97,773 114,806
29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 38 39 40 41 42 43 35 50 51 52 53	Actual - November, 2019 Exclon Generation Company Panhandle Eastern Pipeline - TOR MGT Pipeline - Indiana Municipal Gas Parchasing Authority - TOR Indiana Municipal Gas Parchasing Authority - Prepay Texas Gas Transmission - Nominated Demand Texas Gas Transmission - Nominated Demand Texas Gas Transmission - Commodity - TOR Texas Gas Transmission - Unnominated Withdrawal Texas Gas Transmission - Unnominated Seasonal Gaskorage Refill Rockies Express - Delivered Supply - (BP REX) Rockies Express - Delivered Supply - (BP PEK) Rockies Express - Delivered Supply - (BP REX) Rockies Express - RAST Fuel Retention Volumes Heat Retention Volumes Rockies Express - RAST Fuel Retention Cost Imbalance Utilization Fee	1,350,000 17,090 1,303,050 1,096,950 (85,119) 500,042	18,510 494,190 (85,119) 500,042 300,000 300,000 6,950 1,596,978 11,841 69,620 44,207 (1,944)	0.0641 12.2269 0.3543 0.3543 0.3543 0.35819 0.3880	2.1446 1.8129 2.2027 2.0516 2.3870 2.2070 2.5970 2.25970 2.5970		\$ 409,252 86,504 208,957 461,671 388,649 (49,531) 194,016 - 334,583	\$ 39,696 895,941 (187,492) 1,025,886 716,100 662,100 18,049 3,613,483 77,279 25,807 - 97,773 114,800	\$0	\$ 409,252 86,504 39,606 1,104,898 461,671 338,649 (237,023) 1,219,902 716,100 662,100 334,583 18,049 77,279 25,807 (243,750) (243,750) 97,773 114,806
29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 37 46 45 46 47 48 49 50 51 52 2 53 54	Actual - November, 2019 Exclon Generation Company Panhandle Eastern Pipeline - TOR MGT Fipeline - Indiana Municipal Gas Purchasing Authority - Prepay Irexa Gas Transmission - Nominated Demand Texas Gas Transmission - Nominated Demand Texas Gas Transmission - Unominated Mutharwal Texas Gas Transmission - Unominated Mutharwal Texas Gas Transmission - Unominated Mutharwal Texas Gas Transmission - Unominated Seasonal GasStorage Refill Rockies Express - Delivered Supply - (BP PEX) Rockies Express - Delivered Supply - (BP PEX) Rockies Express - Delivered Supply - (BP PEX) Rockies Express - Delivered Supply - (BP PEAK) Rockies Express - Mottard TGT,PEPL, & MGT and REX Swing/Daily Gas (Commodity) TGT,PEPL, & MGT and REX Swing/Daily Gas (Commodity) TGT,PEPL, & MGT and REX Swing/Daily Gas (Demand) Hedging Transaction Cost Imbalance Utilization Fee Net Demand Cost Charges - AMA Contrat Services Third Party Supplier Balancing Gas Costs Boil-off //eaking purchase MGT Cash Out Imbalance	1,350,000 17,090 1,303,050 1,096,950 (85,119) 500,042	18,510 494,190 (85,119) 500,042 300,000 300,000 6,950 1,596,978 11,841 69,620 44,207 (1,944)	0.0641 12.2269 0.3543 0.3543 0.3543 0.35819 0.3880	2.1446 1.8129 2.2027 2.0516 2.2870 2.2670 2.2570 2.2227 		\$ 409,252 86,504 208,957 461,671 388,649 (49,531) 194,016 - 334,583	\$ 39,696 895,941 (187,492) 1,025,886 716,100 662,100 18,049 3,613,483 77,279 25,807 - 97,773 114,800	<u></u>	\$ 409,252 86,504 39,606 1,104,898 461,671 338,649 (237,023) 1,219,902 716,100 662,100 334,583 18,049 77,279 25,807 (243,750) (243,750) 97,773 114,806

#### Citizens Gas Purchased Gas Cost - Per Books <u>December 2019</u>

			December 20	<u>15</u>							
		А	В	с	D	Е	F	G	н	Ι	
		Demand - Dth	Commodity Dth	Demand \$/Unit	Commodity \$/Dth	Other \$/Unit	Demand (A x C)	Commodity (B x D)	Other	Total (F + G + H)	
	Accrual - December, 2019										
	Exelon Generation Company										
57	Panhandle Eastern Pipeline - TOR	33,463	300,018	\$ 12.2300	\$ 2.0722		\$ 409,252	\$ 621,701		\$ 1,030,953	
58	MGT Gas Pipeline -	1,395,000		0.0620			86,504			86,504	
59	Indiana Municipal Gas Purchasing Authority - TOR		19,127	-	2.0719			39,630		39,630	
60		17,090	510,663	12.2250	1.7403		208,926	888,720		1,097,646	
61		1,346,485		0.3543	-		477.060			477.060	
62	Texas Gas Transmission - Unnominated Demand	1,133,515	-	0.3543	-		401,604			401,604	
63	Texas Gas Transmission - Commodity - TOR										
64	Texas Gas Transmission - Unnominated Injection	(679)	(679)	0.6421	2.0383		(436)	(1,384)		(1,820)	
65	Texas Gas Transmission - Unnominated Withdrawal	685,533	685,533	0.3904	1.9230		267,632	1,318,280		1,585,912	
66	Texas Gas Transmission - Unomminated Seasonal GasStorage Refill			-							
67			310.000	-	2.2600			700.600		700,600	
68			310.000	-	2.0800			644,800		644,800	
69		20.000	310.000	16.7292	2.1877		334,583	678,176		1.012.759	
70								-		-,,,	
	Fuel Retention Volumes			-							
72	TGT, PEPL, & MGT and REX Swing/Daily Gas (Commodity)		798,637	-	2.0666			1,650,495		1,650,495	
73				-	-					-	
74				-	-			120.364		120.364	
75			130	-	2.0154			262		262	
	Utilization Fee			-			(243,750)			(243,750)	
	Net Demand Cost Charges - AMA			-	-		(= 10,100)			(=,)	
78				-				-			
79	Third Party Supplier Balancing Gas Costs		5.872	-				(134,666)		(134,666)	
80			41,712	-	2.4700			103.029		103.029	
81	MGT Cash Out Imbalance		· · · ·	-	-			-		-	
82	NSS Injection fuel loss		(6)	-	-						
83			-		-			-		-	
84	Subtotal		3,291,007				\$ 1,941,375	\$ 6,630,007	ş -	\$ 8,571,382	
85	Total Purchased Costs (line 84 + line 56 - line 28)		3,289,063				\$ 1,941,341	\$ 6,625,117	\$ -	\$ 8,566,458	
86	Total TGT Unnominated Demand Cost (line 62 + line 34 - line 6)						\$ 401,604				
87	Total Purchase Cost excluding TGT Demand Unnom. (In 85 - In 86)		3,289,063				\$ 1,539,737				
88	TGT Unnominated Demand Cost - Retail						e 20140				
	(line 86 * 90%)						\$ 361,444				
89	Balancing Demand Cost (line 86 * 10%)						\$ 40,160				
	(										

#### Citizens Gas Purchased Gas Cost - Per Books

January 2020

	А	В	С	D	Е	F	G	н	I
Line No	Demand - Dth	Commodity Dth	Demand \$/Unit	Commodity \$/Dth		Demand (A x C)	Commodity (B x D)	Other	Total (F + G + H)
Accrual - December, 2019									
Exelon Generation Company									
1 Panhandle Eastern Pipeline - TOR 2 MGT Gas Pipeline -	33,463 1,395,000	300,018	\$ 12.2300 0.0620	\$ 2.0722	\$	409,252 86,504	\$ 621,701		\$ 1,030,953 86,504
<ol> <li>Mor Gas Pipenne -</li> <li>Indiana Municipal Gas Purchasing Authority - TOR</li> </ol>	1,395,000	19,127	0.0620	2.0719		80,504	39,630		39,630
4 Indiana Municipal Gas Purchasing Authority - Prepay	17,090	510,663	12.2250	1.7403		208,926	888,720		1,097,646
5 Texas Gas Transmission - Nominated Demand	1,346,485		0.3543	-		477,060			477,060
6 Texas Gas Transmission - Unnominated Demand	1,133,515	-	0.3543	-		401,604			401,604
7 Texas Gas Transmission - Commodity - TOR 8 Texas Gas Transmission - Unnominated Injection	(679)	- (679)	0.6421	2.0383		(436)	(1,384)		(1,820)
9 Texas Gas Transmission - Unnominated Mithdrawal	685,533	685,533	0.3904	1.9230		267,632	1,318,280		1,585,912
10 Texas Gas Transmission - Unomminated Seasonal GasStorage Refill	,		-	-					-
11 Rockies Express - Delivered Supply - (BP REX)		310,000	-	2.2600			700,600		700,600
12 Rockies Express - Delivered Supply - (BP PEAK)	20.000	310,000	16.7292	2.0800		224 502	644,800		644,800
13 Rockies Express - EAST 14 Intraday Purchases	20,000	310,000	16.7292	2.1877		334,583	678,176		1,012,759
15 Fuel Retention Volumes		-	-						
16 TGT, PEPL, & MGT and REX Swing/Daily Gas (Commodity)		798,637	-	2.0666			1,650,495		1,650,495
17 TGT, PEPL, & MGT and REX Swing/Daily Gas (Demand)			-	-					
18 Hedging Transaction Cost 19 Imbalance		130	-	2.0154			120,364 262		120,364 262
20 Utilization Fee		150	-	2.0134		(243,750)	202		(243,750)
21 Net Demand Cost Charges - AMA			-	-		-			-
22 Contract Services		-	-	-		-	-		-
23 Third Party Supplier Balancing Gas Costs		5,872	-				(134,666)		(134,666)
24 Boil-off / Peaking purchase 25 MGT Cash Out Imbalance		41,712	-	2.4700			103,029		103,029
26 NSS Injection fuel loss		(6)	-	-		-	-		-
27 Backup Supply Sales		-		-			-		-
28 Subtotal		3,291,007			\$	1,941,375	\$ 6,630,007	\$-	\$ 8,571,382
Arrival December 2010									
Actual - December, 2019									
29 Panhandle Eastern Pipeline - TOR 30 MGT Gas Pipeline -	33,463 1,395,000	300,018	\$ 12.2300 0.0620	2.0722	\$	409,252 86,504	\$ 621,701		\$ 1,030,953 86,504
31 Indiana Municipal Gas Purchasing Authority - TOR	1,395,000	19.127	0.0020	2.0719		80,504	39.630		39,630
32 Indiana Municipal Gas Purchasing Authority - Prepay	17,090	510,663	12.2250	1.7403		208,926	888,720		1,097,646
33 Texas Gas Transmission - Nominated Demand	1,346,485	-	0.3543	-		477,060			477,060
34 Texas Gas Transmission - Unnominated Demand	1,133,515	-	0.3543	-		401,604			401,604
<ul> <li>35 Texas Gas Transmission - Commodity - TOR</li> <li>36 Texas Gas Transmission - Unnominated Injection</li> </ul>	(679)	(679)	0.6421	2.0383		(436)	(1,384)		(1,820)
37 Texas Gas Transmission - Unnominated Mitedrawal	685,533	685,533	0.3904	1.9230		267,632	1,318,280		1,585,912
38 Texas Gas Transmission - Unomminated Seasonal GasStorage Refill	,		-	-			-		-
39 Rockies Express - Delivered Supply - (BP REX)		310,000	-	2.2600			700,600		700,600
40 Rockies Express - Delivered Supply - (BP PEAK) 41 Rockies Express - EAST	20.000	310,000 310,000	16.7292	2.0800 2.1877		334,583	644,800 678,176		644,800 1,012,759
41 Rockies Express - EAST 42 Intraday Purchases	20,000	510,000	16.7292	2.18//		334,385	6/8,1/6		1,012,759
43 Fuel Retention Volumes		-							
44 TGT, PEPL, & MGT and REX Swing/Daily Gas (Commodity)		798,637	-	2.0666			1,650,495		1,650,495
45 TGT,PEPL, & MGT and REX Swing/Daily Gas (Demand)		-	-	-					
46 Hedging Transaction Cost 47 Imbalance		130	-	-			120,364		120,364
4/ Imbalance 48 Utilization Fee		- 130	-	2.0154		(243,750)	262		262 (243,750)
49 Net Demand Cost Charges - AMA			-	-		(= .5,755)	-		
50 Contract Services		-	-	-		-	-		-
51 Third Party Supplier Balancing Gas Costs		5,872	-	2.470**		-	(134,666)		(134,666)
52 Boil-off / Peaking purchase 53 MGT Cash Out Imbalance		41,712	-	2.4700 2.1973		-	103,029		103,029
53 MGI Cash Out Imbalance 54 NSS Injection fuel loss		(806) (6)	-	2.1973		-	(1,771)		(1,771)
55 Backup Supply Sales		-		-			-		-
56 Subtotal		3.290.201			\$	1,941,375	\$ 6.628.236	\$0	\$ 8,569,611
50 Subiom		3,290,201			3	1,741,373	φ 0,026,230		9 0,J07,011

#### Citizens Gas Purchased Gas Cost - Per Books

## January 2020

	А	В	С	D	Е	F	G	н	Ι
	Demand - Dth	Commodity Dth	Demand \$/Unit	Commodity \$/Dth	Other \$/Unit	Demand (A x C)	Commodity (B x D)	Other	Total (F + G + H)
Accrual - January, 2020									
Exelon Generation Company									
57 Panhandle Eastern Pipeline - TOR	33,463	-	\$ 12.2300	s -		\$ 409,252	s -		\$ 409,252
58 MGT Pipeline	1,395,000	-	0.0620	· .		86,504	· .		86,504
59 Indiana Municipal Gas Purchasing Authority - TOR	,,	19,127	-	1.7401			33,282		33,282
60 Indiana Municipal Gas Purchasing Authority - Prepay	17.090	510,663	12.2055	0.3343		208.592	170,729		379.321
61 Texas Gas Transmission - Nominated Demand	1,346,485		0.3543	-		477,060			477,060
62 Texas Gas Transmission - Unnominated Demand	1,133,515	-	0.3543	-		401,604			401,604
63 Texas Gas Transmission - Commodity - TOR		-	-	-		,	-		-
64 Texas Gas Transmission - Unnominated Injection	(2,070)	(2,070)	0.8855	1.5068		(1,833)	(3,119)		(4,952)
65 Texas Gas Transmission - Unnominated Withdrawal	691,395	691,395	0.3904	1.8416		269,921	1,273,273		1,543,194
66 Texas Gas Transmission - Unomminated Seasonal GasStorage Refill			-	-					-
67 Rockies Express - Delivered Supply - (BP REX)	-	310,000		1.9480			603,880		603,880
68 Rockies Express - Delivered Supply - (BP PEAK)		310,000	-	1.7680			548,080		548,080
69 Rockies Express - EAST	20,000		16.7292	-		334,583			334,583
70 Intraday Purchases	_0,000								
71 Fuel Retention Volumes		-	-	-					-
72 TGT,PEPL, & MGT and REX Swing/Daily Gas (Commodity)		481,211	-	1.9143			921.184		921,184
73 TGT,PEPL, & MGT and REX Swing/Daily Gas (Demand)		,		-			/=-,		
74 Hedging Transaction Cost			-	-			79,832		79,832
75 Imbalance		(2,566)		1.5966			(4,097)		(4,097)
76 Utilization Fee		(2,500)		1.5700		(243,750)	(4,077)		(243,750)
77 Net Demand Cost Charges - AMA						(215,750)			(215,750)
78 Contract Services									
79 Third Party Supplier Balancing Gas Costs		222,814					412,251		412,251
80 Boil-off / Peaking purchase		36,815		2.1580			79,447		79,447
81 MGT Cash Out Imbalance		50,015		2.1500			77,117		
82 NSS Injection fuel loss		(8)							
83 Backup Supply Sales		-							
65 Backup Supply Sales									
84 Subtotal		2,577,381				\$ 1,941,933	\$ 4,114,742	\$0	\$6,056,675
					_				
85 Total Purchased Costs (line 84 + line 56 - line 28.)		2,576,575				\$1,941,933	\$4,112,971	\$0	\$6,054,904
					-				
86 Total TGT Unnominated Demand Cost (line 62 + line 34 - line 6)						401,604			
87 Total Purchase Cost excluding TGT Demand Unnom. (In 85 - In 86)		2,576,575				\$1,540,329			
TGT Unnominated Demand Cost - Retail									
88 (line 86 * 90%)						\$361,444			
89 Balancing Demand Cost									
(line 86 * 10%)						\$40,160			

#### Citizens Gas Purchased Gas Cost - Per Books

		Februar	<u>y 2020</u>						
	А	В	С	D	Е	F	G	Н	Ι
ine No.	Demand - Dth	Commodity Dth	Demand \$/Unit	Commodity \$/Dth	Other \$/Unit	Demand (A x C)	Commodity (B x D)	Other	Total (F + G + H)
Accrual - January, 2020									
Exelon Generation Company									
1 Panhandle Eastern Pipeline - TOR	33,463	-	\$ 12.2300	s -		\$ 409,252	s -		\$ 409,252
2 MGT Pipeline	1,395,000	-	\$ 0.0620	· .		86,504	· .		86,504
3 Indiana Municipal Gas Purchasing Authority - TOR	-	19,127	-	1.7401		-	33,282		33,282
4 Indiana Municipal Gas Purchasing Authority - Prepay	17,090	510,663	12.2055	0.3343		208,592	170,729		379,32
5 Texas Gas Transmission - Nominated Demand	1,346,485	-	0.3543			477,060			477,06
6 Texas Gas Transmission - Unnominated Demand	1,133,515	-	0.3543	-		401,604	-		401,60
7 Texas Gas Transmission - Commodity - TOR	-	-	-	-			-		
8 Texas Gas Transmission - Unnominated Injection	(2,070)	(2,070)	0.8855	1.5068		(1,833)	(3,119)		(4,95
9 Texas Gas Transmission - Unnominated Withdrawal	691,395	691,395	0.3904	1.8416		269,921	1,273,273		1,543,19
10 Texas Gas Transmission - Unomminated Seasonal GasStorage Refill	-	-	-	-		-	-		602.00
<ol> <li>Rockies Express - Delivered Supply - (BP REX)</li> <li>Rockies Express - Delivered Supply - (BP PEAK)</li> </ol>	-	310,000 310,000	-	1.9480 1.7680		-	603,880 548,080		603,88 548,08
12 Rockies Express - Delivered Supply - (BP PEAR) 13 Rockies Express - EAST	20,000	510,000	- 16.7292	1.7680		334,583	548,080		348,08
14 Intraday Purchases	20,000	-	10.7292	-		334,385			554,50
15 Fuel Retention Volumes									
16 TGT,PEPL, & MGT and REX Swing/Daily Gas (Commodity)		481,211	-	1.9143		-	921.184		921.18
<ol> <li>TGT,PEPL, &amp; MGT and REX Swing/Daily Gas (Demand)</li> </ol>			-	-		-	-		,21,10
18 Hedging Transaction Cost			-				79,832		79,83
19 Imbalance		(2,566)	-	1.5966			(4,097)		(4,09
20 Utilization Fee	-	-	-	-		(243,750)	-		(243,75
21 Net Demand Cost Charges - AMA	-	-	-	-		-			
22 Contract Services		-	-	-		-	-		
23 Third Party Supplier Balancing Gas Costs		222,814	-				412,251		412,25
24 Boil-off / Peaking purchase	-	36,815	-	2.1580		-	79,447		79,44
25 MGT Cash Out Imbalance	-	-	-	-		-	-		
26 NSS Injection fuel loss		(8)							
27 Backup Supply Sales		-		-		-	-		-
28 Sub-total		2,577,381				\$1,941,933	\$4,114,742	\$0	\$6,056,67
Actual - January, 2020									
Actual - January, 2020 Exelon Generation Company									
	33,463	-	\$ 12.2300	\$-		\$ 409,252	s -		\$ 409,25
Exelon Generation Company	33,463 1,395,000	-	\$ 12.2300 0.0620	\$ - -		\$ 409,252 86,504	\$ - -		
Exelon Generation Company 29 Panhandle Eastern Pipeline - TOR 30 MGT Pipeline 31 Indiana Municipal Gas Purchasing Authority - TOR	1,395,000	19,127	0.0620	1.7401		86,504	33,282		86,50 33,28
Exelon Generation Company     Exelon Generation Company     Panhandle Eastern Pipeline - TOR     Mort Pipeline     Indiana Municipal Gas Purchasing Authority - TOR     Si Indiana Municipal Gas Purchasing Authority - Prepay	1,395,000 17,090	- 19,127 510,663	0.0620	- -		86,504 208,592	-		86,50 33,28 379,32
Exclon Generation Company           29 Panhandle Eastern Pipeline - TOR           30 MGT Pipeline           31 Indiana Municipal Gas Purchasing Authority - TOR           32 Indiana Municipal Gas Purchasing Authority - Prepay           33 Texas Gas Transmission - Noninated Demand	1,395,000 17,090 1,346,485		0.0620 - 12.2055 0.3543	1.7401		86,504 208,592 477,060	33,282		86,50 33,28 379,32 477,06
Exclon Generation Company           29 Panhandle Eastern Pipeline - TOR           30 MGT Pipeline           31 Indiana Municipal Gas Purchasing Authority - TOR           32 Indiana Municipal Gas Purchasing Authority - Prepay           33 Texas Gas Transmission - Nominated Dermand           34 Texas Gas Transmission - Unnominated Dermand	1,395,000 17,090		0.0620	1.7401 0.3343		86,504 208,592	33,282		86,50 33,28 379,32 477,06
Exelon Generation Company           29 Panhandle Eastern Pipeline - TOR           30 MGT Pipeline           31 Indiana Municipal Gas Purchasing Authority - TOR           32 Indiana Municipal Gas Purchasing Authority - Prepay           33 Texas Gas Transmission - Nominated Demand           34 Texas Gas Transmission - Commodity - TOR           35 Texas Gas Transmission - Commodity - TOR	1,395,000 17,090 1,346,485 1,133,515	510,663	0.0620 - 12.2055 0.3543 0.3543	1.7401 0.3343 -		86,504 208,592 477,060 401,604	33,282 170,729		86,50 33,28 379,32 477,06 401,60
Exelon Generation Company           29         Panhandle Eastern Pipeline - TOR           30         MGT Pipeline         31           31         Indiana Municipal Gas Purchasing Authority - TOR         32           32         Indiana Municipal Gas Purchasing Authority - Prepay         33           3         Texas Gas Transmission - Nominated Demand         34           34         Texas Gas Transmission - Commodity - TOR         35           35         Texas Gas Transmission - Unnominated Injection         34	1,395,000 17,090 1,346,485 1,133,515 (2,070)	510,663 (2,070)	0.0620 - 12.2055 0.3543 0.3543 - 0.8855	1.7401 0.3343 - - 1.5068		86,504 208,592 477,060 401,604 (1,833)	33,282 170,729 (3,119)		86,50 33,28 379,32 477,06 401,60 (4,95
Exelon Generation Company           29 Panhandle Eastern Pipeline - TOR           30 MGT Pipeline           31 Indiana Municipal Gas Purchasing Authority - TOR           32 Indiana Municipal Gas Purchasing Authority - Prepay           33 Texas Gas Transmission - Nominated Demand           34 Texas Gas Transmission - Unnominated Demand           35 Texas Gas Transmission - Commodity - TOR           36 Texas Gas Transmission - Unnominated Injection           37 Texas Gas Transmission - Unnominated Mindrawal	1,395,000 17,090 1,346,485 1,133,515	510,663	0.0620 - 12.2055 0.3543 0.3543 - 0.8855 0.3904	1.7401 0.3343 - 1.5068 1.8416		86,504 208,592 477,060 401,604	33,282 170,729		86,50 33,28 379,32 477,06 401,60 (4,95
Exclon Generation Company           Panhandle Eastern Pipeline - TOR           30 MGT Pipeline           31 Indiana Municipal Gas Purchasing Authority - TOR           32 Indiana Municipal Gas Purchasing Authority - Prepay           33 Texas Gas Transmission - Nominated Demand           34 Texas Gas Transmission - Unnominated Demand           35 Texas Gas Transmission - Unnominated Demand           36 Texas Gas Transmission - Unnominated Injection           37 Texas Gas Transmission - Unnominated Mindrawal           38 Texas Gas Transmission - Unnominated Mindrawal           39 Texas Gas Transmission - Unnominated Mindrawal           31 Texas Gas Transmission - Unnominated Mindrawal	1,395,000 17,090 1,346,485 1,133,515 (2,070)	510,663 (2,070) 691,395	0.0620 	1.7401 0.3343 - 1.5068 1.8416		86,504 208,592 477,060 401,604 (1,833) 269,921	33,282 170,729 (3,119) 1,273,273		86,50 33,28 379,32 477,06 401,60 (4,95 1,543,19
Exelon Generation Company           Panhandle Eastern Pipeline - TOR           30 MGT Pipeline           31 Indiana Municipal Gas Purchasing Authority - TOR           32 Indiana Municipal Gas Purchasing Authority - Prepay           33 Texas Gas Transmission - Nominated Demand           44 Texas Gas Transmission - Unnominated Demand           55 Texas Gas Transmission - Unnominated Demand           67 Texas Gas Transmission - Unnominated Injection           76 Texas Gas Transmission - Unnominated Mindrawal           77 Texas Gas Transmission - Unnominated Sensonal GasStorage Refill           80 Rockies Express - Delivered Supply - (BP REX)	1,395,000 17,090 1,346,485 1,133,515 (2,070)	510,663 (2,070) 691,395 310,000	0.0620 - 12.2055 0.3543 0.3543 - 0.8855 0.3904	1.7401 0.3343 - - 1.5068 1.8416 - 1.9480		86,504 208,592 477,060 401,604 (1,833)	33,282 170,729 (3,119) 1,273,273 603,880		86,50 33,28 379,32 477,06 401,60 (4,95 1,543,19 603,88
Exclon Generation Company           Panhandle Eastern Pipeline - TOR           MCT Pipeline           Indiana Municipal Gas Purchasing Authority - TOR           Indiana Municipal Gas Purchasing Authority - Prepay           Texas Gas Transmission - Noninated Demand           S Texas Gas Transmission - Commodity - TOR           S Texas Gas Transmission - Unnominated Demand           Texas Gas Transmission - Unnominated Diremand           Texas Gas Transmission - Unnominated Mitharaval           Texas Gas Transmission - Unnominated Vitharaval           R Texas Gas Transmission - Unnominated Seasonal GasStorage Refill           R Texas Gas Transmission - Unominated Seasonal GasStorage Refill           R Texas Gas Transmission - Unominated PipeLAK)	1,395,000 17,090 1,346,485 1,133,515 (2,070) 691,395 -	510,663 (2,070) 691,395 310,000 310,000	0.0620 - 12.2055 0.3543 0.3543 - 0.8855 0.3904 - -	1.7401 0.3343 - - 1.5068 1.8416 - 1.9480 1.7680		86,504 208,592 477,060 401,604 (1,833) 269,921	33,282 170,729 (3,119) 1,273,273		86,50 33,28 379,32 477,06 401,60 (4,95 1,543,19 603,88 548,08
Exelon Generation Company           29 Panhandle Eastern Pipeline - TOR           30 MGT Pipeline           31 Indiana Municipal Gas Purchasing Authority - TOR           32 Indiana Municipal Gas Purchasing Authority - Prepay           33 Texas Gas Transmission - Nominated Demand           43 Texas Gas Transmission - Nominated Demand           35 Texas Gas Transmission - Commodity - TOR           36 Texas Gas Transmission - Commonity - TOR           37 Texas Gas Transmission - Unnominated Mindrawal           38 Texas Gas Transmission - Unnominated Mindrawal           39 Texas Gas Transmission - Unnominated Windrawal           39 Rockies Express - Delivered Supply - (BP PEAK)           40 Rockies Express - Delivered Supply - (BP PEAK)           41 Rockies Express - EAST	1,395,000 17,090 1,346,485 1,133,515 (2,070)	510,663 (2,070) 691,395 310,000 310,000	0.0620 - 12.2055 0.3543 0.3543 - 0.8855 0.3904 - - - - - - - - - - 16.7292	1.7401 0.3343 - 1.5068 1.8416 - 1.9480 1.7680		86,504 208,592 477,060 401,604 (1,833) 269,921	33,282 170,729 (3,119) 1,273,273 603,880		86,50 33,28 379,32 477,06 401,60 (4,95 1,543,19 603,88 548,08
Exclon Generation Company           Panhandle Eastern Pipeline - TOR           MGT Pipeline           Indiana Municipal Gas Purchasing Authority - TOR           Indiana Municipal Gas Purchasing Authority - Prepay           Tarsas Gas Transmission - Noninated Demand           Texas Gas Transmission - Commodity - TOR           Texas Gas Transmission - Commodity - TOR           Texas Gas Transmission - Unnominated Mindrawal           Texas Gas Transmission - Unnominated Mindrawal           Texas Gas Transmission - Unnominated Mindrawal           Reaksies Express - Delivered Supply (BP REX)           No Rockies Express - Delivered Supply - (BP PEAK)           Rockies Express - Delivered Supply - (BP PEAK)           Horokay Express - Exter	1,395,000 17,090 1,346,485 1,133,515 (2,070) 691,395 -	510,663 (2,070) 691,395 310,000 310,000	0.0620 - 12.2055 0.3543 0.3543 - 0.8555 0.3904 - - - - 16.7292 -	1.7401 0.3343 - - 1.5068 1.8416 - 1.9480 1.7680		86,504 208,592 477,060 401,604 (1,833) 269,921	33,282 170,729 (3,119) 1,273,273 603,880		86,50 33,28 379,32 477,06 401,60 (4,95 1,543,19 603,88 548,08
Exclon Generation Company           Panhandle Eastern Pipeline - TOR           30 MGT Pipeline           31 Indiana Municipal Gas Purchasing Authority - TOR           32 Indiana Municipal Gas Purchasing Authority - Prepay           33 Texas Gas Transmission - Nominated Demand           43 Texas Gas Transmission - Unnominated Demand           55 Texas Gas Transmission - Unnominated Demand           67 Texas Gas Transmission - Unnominated Demand           76 Texas Gas Transmission - Unnominated Demand           77 Texas Gas Transmission - Unnominated Sensonal GasStorage Refill           78 Texas Gas Transmission - Unnominated Mindrawal           79 Texas Gas Transmission - Unnominated Sensonal GasStorage Refill           70 Rockies Express - Delivered Supply - (BP REX)           71 Rockies Express - Polivered Supply - (BP PEAK)           72 Rockies Express - Polivered Supply - (BP PEAK)           73 Fuel Retention Volumes	1,395,000 17,090 1,346,485 1,133,515 (2,070) 691,395 -	510,663 (2,070) 691,395 310,000 310,000	0.0620 12.2055 0.3543 0.3543 0.3543 0.3543 - 0.8855 0.3904 - - - - 16.7292 - -	1.7401 0.3343 - 1.5068 1.8416 - 1.9480 1.7680 -		86,504 208,592 477,060 401,604 (1,833) 269,921	33,282 170,729 (3,119) 1,273,273 603,880 548,080		86,50 33,28 379,32 477,06 401,60 (4,95 1,543,19 603,88 548,08 334,58
Exclon Generation Company           29         Panhandle Eastern Pipeline - TOR           30         MGT Pipeline           31         Indiana Municipal Gas Purchasing Authority - TOR           32         Indiana Municipal Gas Purchasing Authority - Prepay           33         Texas Gas Transmission - Noninated Demand           34         Texas Gas Transmission - Commodity - TOR           35         Texas Gas Transmission - Commodity - TOR           36         Texas Gas Transmission - Unnoninated Micharwal           37         Texas Gas Transmission - Unnoninated Micharwal           38         Texas Gas Transmission - Unnoninated Micharwal           39         Texas Gas Transmission - Unnoninated Micharwal           30         Reckies Express - Delivered Supply - GP REX)           40         Rockies Express - Delivered Supply - GB PEAK)           41         Rockies Express - EAST           42         Intrada Purchases           43         Fuel Retention Volumes           44         GT_PEF_4, & MGT and REX Swing/Daily Gas (Commodity)	1,395,000 17,090 1,346,485 1,133,515 (2,070) 691,395 -	510,663 (2,070) 691,395 310,000 310,000	0.0620 - 12.2055 0.3543 0.3543 - 0.8555 0.3904 - - - - 16.7292 -	1.7401 0.3343 - 1.5068 1.8416 - 1.9480 1.7680		86,504 208,592 477,060 401,604 (1,833) 269,921	33,282 170,729 (3,119) 1,273,273 603,880		86,50 33,28 379,32 477,06 401,60 (4,95 1,543,19 603,88 548,08 334,58
Exclon Generation Company           Panhandle Eastern Pipeline - TOR           30 MGT Pipeline           31 Indiana Municipal Gas Purchasing Authority - TOR           32 Indiana Municipal Gas Purchasing Authority - Prepay           33 Texas Gas Transmission - Nominated Demand           43 Texas Gas Transmission - Unnominated Demand           55 Texas Gas Transmission - Unnominated Demand           67 Texas Gas Transmission - Unnominated Demand           76 Texas Gas Transmission - Unnominated Demand           77 Texas Gas Transmission - Unnominated Sensonal GasStorage Refill           78 Texas Gas Transmission - Unnominated Mindrawal           79 Texas Gas Transmission - Unnominated Sensonal GasStorage Refill           70 Rockies Express - Delivered Supply - (BP REX)           71 Rockies Express - Polivered Supply - (BP PEAK)           72 Rockies Express - Polivered Supply - (BP PEAK)           73 Fuel Retention Volumes	1,395,000 17,090 1,346,485 1,133,515 (2,070) 691,395 -	510,663 (2,070) 691,395 310,000 310,000	0.0620 12.2055 0.3543 0.3543 0.3543 0.3543 - 0.8855 0.3904 - - - - 16.7292 - -	1.7401 0.3343 - 1.5068 1.8416 - 1.9480 1.7680 -		86,504 208,592 477,060 401,604 (1,833) 269,921	33,282 170,729 (3,119) 1,273,273 603,880 548,080		86,50 33,28 379,32 477,06 401,60 (4,95 1,543,19 603,88 548,08 334,58
Exclon Generation Company           Panhandle Eastern Pipeline - TOR           30 MGT Pipeline           31 Indiana Municipal Gas Purchasing Authority - TOR           32 Indiana Municipal Gas Purchasing Authority - Prepay           33 Texas Gas Transmission - Noninated Demand           34 Texas Gas Transmission - Noninated Demand           35 Texas Gas Transmission - Commodity - TOR           36 Texas Gas Transmission - Unnominated Benand           37 Texas Gas Transmission - Unnominated Benand           38 Texas Gas Transmission - Unnominated Benand           39 Rockies Express - Delivered Supply - (BP REX)           40 Rockies Express - Delivered Supply - (BP PEAK)           41 Rockies Express - Delivered Supply - (BP PEAK)           42 Intraday Parchases           43 Fuel Retention Volumes           44 TGT,PFEPL, & MGT and REX Swing/Daily Gas (Commodity)           45 TGT,PFEPL, & MGT and REX Swing/Daily Gas (Demand)	1,395,000 17,090 1,346,485 1,133,515 (2,070) 691,395 -	510,663 (2,070) 691,395 310,000 310,000	0.0620 12.2055 0.3543 0.3543 0.3543 0.3543 - 0.8855 0.3904 - - - - 16.7292 - -	1.7401 0.3343 1.5068 1.8416 1.9480 1.7680 -		86,504 208,592 477,060 401,604 (1,833) 269,921	3.282 170,729 (3,119) 1,273,273 603,880 548,080		86,50 33,28 379,32 477,06 401,60 (4,95 1,543,19 603,88 548,08 334,58 921,18 921,18
Exelon Generation Company           Panhandle Eastern Pipeline - TOR           30 MGT Pipeline           31 Indiana Municipal Gas Purchasing Authority - TOR           32 Indiana Municipal Gas Purchasing Authority - Prepay           33 Texas Gas Transmission - Nominated Demand           43 Texas Gas Transmission - Nominated Demand           35 Texas Gas Transmission - Unnominated Inection           36 Texas Gas Transmission - Unnominated Mitchawal           37 Texas Gas Transmission - Unnominated Withdrawal           38 Texas Gas Transmission - Unnominated Withdrawal           39 Reackies Express - Delivered Supply - (BP REX)           40 Rockies Express - Delivered Supply - (BP PEAK)           41 Rockies Express - East           42 Intraday Purchases           43 Fuez Reenton Volumes           44 TGT, PEPL, & MGT and REX Swing/Daily Gas (Commodity)           45 TGT, PEPL, & MGT and REX Swing/Daily Gas (Demand)           46 Hedging Transaction Cost	1,395,000 17,090 1,346,485 1,133,515 (2,070) 691,395 -	510,663 (2,070) 691,395 310,000 310,000 - - 481,211	0.0620 12.2055 0.3543 0.3543 0.3543 0.3543 - 0.8855 0.3904 - - - - 16.7292 - -	1.7401 0.3343 - - 1.5068 1.8416 - - 1.9480 1.7680 - - - 1.9143 - -		86,504 208,592 477,060 401,604 (1,833) 269,921	33,282 170,729 (3,119) 1,273,273 		86,50 33,28 379,32 477,06 401,60 (4,95 1,543,19 603,88 548,08 334,58 921,18 79,833 (4,09
Exclon Generation Company           29         Panhandle Eastern Pipeline - TOR           30         MGT Pipeline           31         Indiana Municipal Gas Purchasing Authority - TOR           32         Indiana Municipal Gas Purchasing Authority - Prepay           33         Texas Gas Transmission - Noninated Demand           34         Texas Gas Transmission - Commodity - TOR           35         Texas Gas Transmission - Commodity - TOR           36         Texas Gas Transmission - Unnominated Bensonal GasStorage Refill           37         Texas Gas Transmission - Unnominated Vendrawal           38         Texas Gas Transmission - Unnominated Sensonal GasStorage Refill           39         Rockies Express - Delivered Supply - (BP REX)           40         Rockies Express - Delivered Supply - (BP REX)           41         Rockies Express - Delivered Supply - (BP REX)           42         IntradaPurchases           43         Fuel Retention Volumes           44         TGT, PEPL, & MGT and REX Swing/Daily Gas (Commodity)           45         TGT, PEPL, & MGT and REX Swing/Daily Gas (Demand)           46         Hedging Transaction Cost           47         Imbalance	1,395,000 17,090 1,346,485 1,133,515 (2,070) 691,395 -	510,663 (2,070) 691,395 310,000 310,000 - - 481,211	0.0620 12.2055 0.3543 0.3543 0.3543 0.3543 - 0.8855 0.3904 - - - - 16.7292 - -	1.7401 0.3343 - 1.5068 1.8416 - 1.9480 1.7680 - - - - 1.9143 - - 1.9143 - -		86,504 208,592 477,060 401,604 (1,833) 269,921 334,583	33,282 170,729 (3,119) 1,273,273 		86,50 33,28 379,32 477,06 401,60 (4,95 1,543,19 603,88 548,08 334,58 921,18 79,833 (4,09
Exclon Generation Company           Panhandle Eastern Pipeline - TOR           30 MGT Pipeline           31 Indiana Municipal Gas Purchasing Authority - TOR           32 Indiana Municipal Gas Purchasing Authority - Prepay           33 Texas Gas Transmission - Nominated Demand           34 Texas Gas Transmission - Unnominated Demand           35 Texas Gas Transmission - Unnominated Demand           36 Texas Gas Transmission - Unnominated Demand           37 Texas Gas Transmission - Unnominated Mindraval           38 Texas Gas Transmission - Unnominated Mindraval           39 Rockies Express - Delivered Supply - (BP REX)           40 Rockies Express - Delivered Supply - (BP PEAK)           41 Rockies Express - Delivered Supply - (BP PEAK)           43 Fuel Retention Volumes           44 TGT,PEPL, & MGT and REX Swing/Daily Gas (Commodity)           45 TGT,PEPL, & MGT and REX Swing/Daily Gas (Commodity)           46 Hedging Transaction Cost           41 Imbalance           48 Utilization Fee           49 Net Demand Cost Charges - AMA           50 Contract Services	1,395,000 17,090 1,346,485 1,133,515 (2,070) 691,395 -	510,663 (2,070) 691,395 310,000 310,000 481,211 (2,566)	0.0620 12.2055 0.3543 0.3543 0.3543 0.3543 - 0.8855 0.3904 - - - - 16.7292 - -	1.7401 0.3343 - 1.5068 1.8416 - 1.9480 1.7680 - - - - 1.9143 - - 1.9143 - -		86,504 208,592 477,060 401,604 (1,833) 269,921 334,583	33,282 170,729 (3,119) 1,273,273 603,880 548,080 921,184 79,832 (4,097)		86.50 33.28 379.32 477.06 401.60 (4.95 1.543.19 603.88 548.08 334.58 921.18 79.83 921.18 79.83 (4.09 (243,75
Exclon Generation Company           Panhandle Eastern Pipeline - TOR           MGT Pipeline           Main Municipal Gas Purchasing Authority - TOR           Indiana Municipal Gas Purchasing Authority - Prepay           Texas Gas Transmission - Noninated Demand           Texas Gas Transmission - Commodity - TOR           Texas Gas Transmission - Commodity - TOR           Texas Gas Transmission - Unnominated Mindrawal           Texas Gas Transmission - Unnominated Mindrawal           Rexas Gas Transmission - Unnominated Mindrawal           Rexas Gas Transmission - Unnominated Mindrawal           Rexas Gas Transmission - Unnominated Mindrawal           Rockies Express - Delivered Supply - (BP REX)           Ne Rockies Express - Delivered Supply - (BP PEAK)           Hockies Express - Delivered Supply - (BP REX)           Hockies Express - Delivered Supply - (BP REX)           Hockies Express - Delivered Supply - (BP REAK)           Head Retention Volumes           TOT, PEPL, & MGT and REX Swing/Daily Gas (Commodity)           TOT, PEPL, & MGT and REX Swing/Daily Gas (Commodity)           Hordjang Transaction Cost           Himbalance           Wet Demand Cost Charges - AMA           Outract Services 5           Thrid Party Supplier Balancing Gas Costs	1,395,000 17,090 1,346,485 1,133,515 (2,070) 691,395 -	510,663 (2,070) 691,395 310,000 310,000 - 481,211 (2,566) - 222,814	0.0620 12.2055 0.3543 0.3543 - 0.8855 0.3904 - - - - - - - - - - - - -	1.7401 0.3343 - 1.5068 1.8416 - 1.9480 1.7680 - - - - 1.9143 - - 1.5966 - -		86,504 208,592 477,060 401,604 (1,833) 269,921 334,583	33,282 170,729 (3,119) 1,273,273 		86.50 33,28 379,22 477,06 401,60 (4.95 1,543,19 603,88 548,08 334,58 921,18 79,83 (4,09 (243,75 (243,75
Exclon Generation Company           Panhandle Eastern Pipeline - TOR           30 MGT Pipeline           31 Indiana Municipal Gas Purchasing Authority - TOR           32 Indiana Municipal Gas Purchasing Authority - Prepay           33 Texas Gas Transmission - Nominated Demand           34 Texas Gas Transmission - Nominated Demand           35 Texas Gas Transmission - Unnominated Mindrawal           36 Texas Gas Transmission - Unnominated Mindrawal           37 Texas Gas Transmission - Unnominated Seasonal Gastorage Refill           38 Texas Gas Transmission - Unnominated Seasonal Gastorage Refill           39 Rockies Express - Delivered Supply - (BP PEAK)           40 Rockies Express - Delivered Supply - (BP PEAK)           41 Rockies Express - Delivered Supply - (BP PEAK)           42 Intraday Parchases           43 TGT_PEPL, & MGT and REX Swing/Daily Gas (Commodity)           45 TGT_PEPL, & MGT and REX Swing/Daily Gas (Demand)           46 Hedging Transaction Cost           47 Imbalance           40 Not Demand Cost Charges - AMA           50 Contract Services           51 Third Party Supplier Balancing Gas Costs           51 Boil-off / Peaking purchase	1,395,000 17,090 1,346,485 1,133,515 (2,070) 691,395 -	510,663 (2,070) 691,395 310,000 310,000 481,211 (2,566)	0.0620 - - - - - - - - - - - - -	1.7401 0.3343 - - 1.5068 1.8416 - 1.9480 1.7680 - - - - 1.9143 - - - - - - - - - - - - - - - - - - -		86,504 208,592 477,060 401,604 (1,833) 269,921 334,583	33,282 170,729 (3,119) 1,273,273 603,880 548,080 921,184 79,832 (4,097)		86.50 33.22 379.32 477.06 401.60 (4.95 1.543.19 603.88 548.08 334.58 921.18 79.83 (4.09 (243,75 412,25 79,44
Exclon Generation Company           Panhandle Eastern Pipeline - TOR           MGT Pipeline           Indiana Municipal Gas Purchasing Authority - TOR           Indiana Municipal Gas Purchasing Authority - Prepay           Texas Gas Transmission - Noninated Demand           Texas Gas Transmission - Commodity - TOR           Texas Gas Transmission - Commodity - TOR           Texas Gas Transmission - Unnoninated Mindrawal           Texas Gas Transmission - Unnoninated Mindrawal           Rexas Gas Transmission - Unnoninated Mindrawal           Rexas Gas Transmission - Unnoninated Mindrawal           Rockies Express - Delivered Supply - (BP REX)           Rockies Express - Delivered Supply - (BP PEAK)           Horoky Purchases           Herdengt Purchases           Herdengt Purchases           Horoky Purchases	1,395,000 17,090 1,346,485 1,133,515 (2,070) 691,395 -	510,663 (2,070) 691,395 310,000 310,000 - 481,211 (2,566) - 222,814 36,815 (7)	0.0620 12.2055 0.3543 0.3543 - 0.8855 0.3904 - - - - - - - - - - - - -	1.7401 0.3343 - 1.5068 1.8416 - 1.9480 1.7680 - - - - 1.9143 - - 1.5966 - -		86,504 208,592 477,060 401,604 (1,833) 269,921 334,583	33,282 170,729 (3,119) 1,273,273 		86.50 33.22 379.32 477.06 401.60 (4.95 1.543.19 603.88 548.08 334.58 921.18 79.83 (4.09 (243,75 412,25 79,44
Exclon Generation Company           Panhandle Eastern Pipeline - TOR           30 MGT Pipeline           31 Indiana Municipal Gas Purchasing Authority - TOR           32 Indiana Municipal Gas Purchasing Authority - Prepay           33 Indiana Municipal Gas Purchasing Authority - Prepay           34 Texas Gas Transmission - Noninated Demand           35 Texas Gas Transmission - Commodity - TOR           36 Texas Gas Transmission - Commodity - TOR           37 Texas Gas Transmission - Unnominated Bensonal GasStorage Refill           38 Texas Gas Transmission - Unnominated Sensonal GasStorage Refill           39 Rockies Express - Delivered Supply - (BP REX)           40 Rockies Express - Delivered Supply - (BP REX)           41 Rockies Express - Delivered Supply - (BP REX)           42 Rotention Volumes           43 TGT, PEPL, & MGT and REX Swing/Daily Gas (Commodity)           45 TGT, PEPL, & MGT and REX Swing/Daily Gas (Commodity)           45 TGT, PEPL, & MGT and REX Swing/Daily Gas (Commodity)           45 TGT, PEPL, & MGT and REX Swing/Daily Gas (Commodity)           46 Hedging Transaction Cost           47 Imbalance           40 Wet Demand Cost Charges - AMA           50 Contract Services           51 Third Pary Supplier Balancing Gas Costs           52 Boil-off / Peaking purchase           34 MSC Table Con fuel loss	1,395,000 17,090 1,346,485 1,133,515 (2,070) 691,395 -	510,663 (2,070) 691,395 310,000 310,000 481,211 (2,566)	0.0620 12.2055 0.3543 0.3543 - 0.8855 0.3904 - - - - - - - - - - - - -	1.7401 0.3343 - - 1.5068 1.8416 - 1.9480 1.7680 - - - - 1.9143 - - - - - - - - - - - - - - - - - - -		86,504 208,592 477,060 401,604 (1,833) 269,921 334,583	33,282 170,729 (3,119) 1,273,273 603,880 548,080 921,184 79,832 (4,097)		86,50 33,28 379,32 477,06 (4,95 1,543,19 603,88 921,18 79,83 344,58 921,18 79,83 (4,09 (243,75) 412,25 79,44
Exclon Generation Company           Panhandle Eastern Pipeline - TOR           MGT Pipeline           Indiana Municipal Gas Purchasing Authority - TOR           Indiana Municipal Gas Purchasing Authority - Prepay           Texas Gas Transmission - Noninated Demand           Texas Gas Transmission - Commodity - TOR           Texas Gas Transmission - Commodity - TOR           Texas Gas Transmission - Unnoninated Mindrawal           Texas Gas Transmission - Unnoninated Mindrawal           Rexas Gas Transmission - Unnoninated Mindrawal           Rexas Gas Transmission - Unnoninated Mindrawal           Rockies Express - Delivered Supply - (BP REX)           Rockies Express - Delivered Supply - (BP PEAK)           Horoky Purchases           Herdengt Purchases           Herdengt Purchases           Horoky Purchases	1,395,000 17,090 1,346,485 1,133,515 (2,070) 691,395 -	510,663 (2,070) 691,395 310,000 310,000 - 481,211 (2,566) - 222,814 36,815 (7)	0.0620 12.2055 0.3543 0.3543 - 0.8855 0.3904 - - - - - - - - - - - - -	1.7401 0.3343 - - 1.5068 1.8416 - 1.9480 1.7680 - - - - 1.9143 - - - - - - - - - - - - - - - - - - -		86,504 208,592 477,060 401,604 (1,833) 269,921 334,583	33,282 170,729 (3,119) 1,273,273 603,880 548,080 921,184 79,832 (4,097)		\$ 409.255 86,500 33,285 379,521 477,060 401,60- (4,955 1,543,194 603,888 548,080 921,184 79,833 548,080 (4,097) (243,750) 412,255 79,9444 (14

<b>.</b>	А	В	С	D	E	F	G	Н	Ι
Line No.	Demand - Dth	Commodity Dth	Demand \$/Unit	Commodity \$/Dth	Other \$/Unit	Demand (A x C)	Commodity (B x D)	Other	Total (F + G + H)
Accrual -February, 2020			<i>\$</i> / 0 IIIt	ψ, Dth	φ/ Olint	(11 x C)			(1 + 0 + 11)
Exelon Generation Company									
57 Panhandle Eastern Pipeline - TOR	33,463	-	\$ 12.2300	\$ -		\$ 409,252	\$ -		\$ 409,252
58 MGT Pipeline	1,305,000	-	0.0663	-		86,504	-		86,504
59 Indiana Municipal Gas Purchasing Authority - TOR		17,893	-	1.5015			26,866		26,866
60 Indiana Municipal Gas Purchasing Authority - Prepay	17,090	477,717	12.2106	1.1697		208,679	558,798		767,477
61 Texas Gas Transmission - Nominated Demand	1,259,615		0.3543	-		446,282			446,282
62 Texas Gas Transmission - Unnominated Demand	1,060,385		0.3543	-		375,694			375,694
63 Texas Gas Transmission - Commodity - TOR		-	-	-			-		-
64 Texas Gas Transmission - Unnominated Injection	(14,299)	(14,299)	0.5887	1.7049		(8,418)	(24,378)		(32,796)
65 Texas Gas Transmission - Unnominated Withdrawal	345,713	345,713	0.4835	1.6470		167,152	569,389		736,541
66 Texas Gas Transmission - Unomminated Seasonal GasStorage Refill			-	-		-	-		-
67 Rockies Express - Delivered Supply - (BP REX)		290,000	-	1.6670		-	483,430		483,430
68 Rockies Express - Delivered Supply - (BP PEAK)		290,000	_	1.4870		-	431,230		431,230
69 Rockies Express - EAST	20,000		16.7292	-		334,583	-		334,583
70 Intraday Purchases		-	-	-			-		-
71 Fuel Retention Volumes		-	-	-					-
72 TGT,PEPL, & MGT and REX Swing/Daily Gas (Commodity)		1,489,955	-	1.7500			2,607,398		2,607,398
73 TGT,PEPL, & MGT and REX Swing/Daily Gas (Demand)		1,109,900	_	-			2,007,090		2,007,000
74 Hedging Transaction Cost			-	_			271,094		271,094
75 Imbalance		(15,228)	-	1.6985			(25,865)		(25,865)
76 Utilization Fee		(15,220)	_	-		(243,750)	(23,005)		(243,750)
77 Net Demand Cost Charges - AMA						(2+3,750)			(2+3,750)
77 Net Demand Cost Charges - AWA 78 Contract Services		-	-	-		-			-
78 Contract Services 79 Third Party Supplier Balancing Gas Costs		- 145,167	-	-			- 236,520		- 236,520
		36,320	-	1.8770			68,173		68,173
<ul><li>80 Boil-off / Peaking purchase</li><li>81 MGT Cash Out Imbalance</li></ul>			-				00,175		08,175
		- (100)	-	-			-		-
82 NSS Injection fuel loss		(109)							-
83 Backup Supply Sales		-		-			-		-
84 Sub-total		3,063,129				1,775,978	5,202,655	\$ -	6,978,633
85 Total Purchased Costs (line 56 + line 84 - line 28)		3,063,122			:	\$1,775,978	\$5,202,641	\$0	\$6,978,619
86 Total TGT Unnominated Demand Cost (line 62+ line 34 - line 6)						375,694			
87 Total Purchase Cost excluding TGT Demand Unnom. (In 85 - In 86)		3,063,122				\$1,400,284			
88 TGT Unnominated Demand Cost - Retail (line 86 * 90%)						\$338,125			
89 Balancing Demand Cost									

- 62 Tex 63 Tex 64 Tex 65 Tex
- 66 Tex
- 67 Roc
- 68 Roc
- 69 Roc 70 Intr
- 71 Fue
- 72 TG
- 73 TG
- 74 Hee
- 75 Imt
- 76 Uti

- 77 Net
- 78 Cor
- 79 Thi
- 80 Boi
- 81 MC
- 82 NSS
- 83 Bac
- 84 Sub
- 85 Tota
- 86 Tota
- 87 Tota
- 88 TG (lin
- 89 Balancing Demand Cost (line 86 \* 10%)

# Citizens Gas Purchased Gas Cost - Per Books <u>February 2020</u>

\$37,569

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#### Citizens Gas Actual Information For Three Months Ending February 29, 2020

	А	B	0	C	D	E	
Line No	December 2019	Volumes in Dths		ommodity st per Dth	% of Total	Reference	
1	Intraday Purchases		\$		0.00%	Sch8A, Ins 14, 42, 70	
2	Index Purchases / Spot	1,759,808	\$	2.0307	53.56%	Sch8A, Ins 1,2,3,4,7,11,12,13,29,30,31,32,35,39,40,41,57,58,59,60,63,6	7 68 69
3	Swing Gas	798,637	\$	2.0666	24.31%	Sch8A, Ins 16, 44, 72	7,00,00
4	Boil off/Peaking Purchases	41,712	\$	2.4700	1.27%	Sch8A, Ins 24, 52, 80	
5	Unnominated Seasonal Gas Purchases	41,712	Ψ	2.4700	0.00%	Schon, ins 24, 52, 50	
6	Storage Withdrawal	685,533	\$	1.9230	20.86%	Sch8A, Ins 9, 37, 65	
7	Total Purchases	3,285,690	φ	1.9230	100.00%	Schor, ins 9, 57, 05	
8	Contract Services	3,203,030			100.0078	Sch8A, Ins 22,50,78	
9	Third Party	5,872				Sch8A, Ins 23, 51, 79	
10	Imbalance	130				Sch8A, Ins 19, 47, 75	
10	Fuel Retention	130				Sch8A, Ins 15, 43, 71	
12	MGT Cash Out Imbalance	(1,944)				Sch8A, Ins 25, 53, 81	
12	Unnominated Seasonal Gas Payback	(1,344)				3010A, IIIS 23, 33, 01	
		(6)				Sch 8 A log 26 E4 82	
14	NNS Injection Loss	(6)				Sch8A, Ins 26, 54, 82	
15	Backup Supply Sales	(670)	¢	0.0100		Sch8A, Ins 27, 55, 83	
16	Storage Injection	(679)	\$	2.0133		Sch8A, Ins 8, 36, 64	
17	Net Purchases	3,289,063					
		Volumes in	Co	ommodity			
	January 2020	Dths		st per Dth	% of Total		
18	Intraday Purchases		\$	-	0.00%	Sch8B, Ins 14, 42, 70	
19	Index Purchases	1,149,790	\$	1.1793	48.73%	Sch8B, Ins 1,2,3,4,7,11,12,13,29,30,31,32,35,39,40,41,57,58,59,60,63,6	7 68 69
20	Swing Gas	481,211	\$	1.9143	20.40%	Sch8B, Ins 16, 44, 72	7,00,00
20	Boil off/Peaking Purchases	36,815	\$	2.1580	1.56%	Sch8B, Ins 24, 52, 80	
22	Unnominated Seasonal Gas Purchases		Ψ	2.1000	0.00%	00100, 113 24, 02, 00	
23	Storage Withdrawal	691,395	\$	1.8416	29.31%	Sch8B, Ins 9, 37, 65	
24	Total Purchases	2,359,211	Ψ	1.0110	100.00%		
25	Contract Services				100.0070	Sch8B, Ins 22,50,78	
26	Third Party	222,814				Sch8B, Ins 23, 51, 79	
27	Imbalance	(2,566)				Sch8B, Ins 19, 47, 75	
28	Fuel Retention	(2,000)				Sch8B, Ins 15, 43, 71	
29	MGT Cash Out Imbalance	(806)				Sch8B, Ins 25, 53, 81	
30	Unnominated Seasonal Gas Payback	(000)				Schob, ins 20, 00, 01	
31	NNS Injection Loss	(8)				Sch8B, Ins 26, 54, 82	
32	Backup Supply Sales	(0)				Sch8B, Ins 27, 55, 83	
33	Storage Injection	(2,070)	\$	1.5068		Sch8B, Ins 8, 36, 64	
33 34	Net Purchases	2,576,575	φ	1.5000		3010D, IIIS 0, 30, 04	
34	Net Fulchases	2,570,575					
		Volumes in	Co	ommodity			
	February 2020	Dths		st per Dth	% of Total		
35	Intraday Purchases		\$	-	0.00%	Sch8C, Ins 14, 42, 70	
36	Index Purchases	1,075,610	\$	1.3949	36.49%	Sch8C, Ins 1,2,3,4,7,11,12,13,29,30,31,32,35,39,40,41,57,58,59,60,63,6	57,68,69
37	Swing Gas	1,489,955	\$	1.7500	50.55%	Sch8C, Ins 16, 44, 72	
38	Boil off/Peaking Purchases	36,320	\$	1.8770	1.23%	Sch8C, Ins 24, 52, 80	
39	Unnominated Seasonal Gas Purchases		•		0.00%		
40	Storage Withdrawal	345,713	\$	1.6470	11.73%	Sch8C, Ins 9, 37, 65	
41	Total Purchases	2,947,598			100.00%		
42	Contract Services	-				Sch8C, Ins 22,50,78	
43	Third Party	145,167				Sch8C, Ins 23, 51, 79	
44	Imbalance	(15,228)				Sch8C, Ins 19, 47, 75	
45	Fuel Retention					Sch8C, Ins 15, 43, 71	
46	MGT Cash Out Imbalance	(7)				Sch8C, Ins 25, 53, 81	
47	Unnominated Seasonal Gas Payback	(*)				, , -, -	
48	NNS Injection Loss	(109)				Sch8C, Ins 26, 54, 82	
49	Backup Supply Sales	(					umo o
50	Storage Injection	(14,299)	\$	1.7049		Sch8C Ins 8 36 64	IURC Cause
51	Net Purchases	3,063,122	Ŧ				Attachment k

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Citizens Gas	
Calculation of the Average Accrual Pipeline Rate	
Non-pipeline Supplies, Storage Injection, and Company	Jsage

le Eastern Pipeline - Demand	33,463	\$ 12.2300	\$ 409,252	
peline - Demand	1,395,000	0.0620	86,504	
Municipal Gas Purchasing Authority - Demand	17,090	12.2250	208,926	
as Transmission - Nominated Demand	1,346,485	0.3543	477,060	
as Transmission - Unnominated Demand	1,133,515	0.3543	401,604	
as Transmission - Unnominated Injections	(679)	0.6421	(436)	
as Transmission - Unnominated Withdrawal	685,533	0.3904	267,632	
express - Delivered Supply - (BP REX)	-	-	-	
Express - EAST (Demand)	20,000	16.7292	334,583	
PL-MGT-REX- Swing Gas (Demand)	-	-	-	
on Fee	-	-	(243,750)	
Services Demand	-	-	-	
le Eastern/MGT Pipeline/Rockies Express East- Commodity	610,018	2.1309	1,299,877	
Municipal Gas Purchasing Authority - Commodity	19,127	2.0719	39,630	
Municipal Gas Purchasing Authority - Prepay Commodity	510,663	1.7403	888,720	
as Transmission - Commodity	-	-	-	
as Transmission - Unnominated Injection - Commodity	(679)	2.0383	(1,384)	
as Transmission - Unnominated Withdrawal - Commodity	685,533	1.9230	1,318,280	
Express - Delivered Supply - (BP REX)	310,000	2.2600	700,600	
Express - Delivered Supply - (BP PEAK)	310,000	2.0800	644,800	
yPurchases	-	-	-	
PL-MGT-REX- Swing Gas (Commodity)	798,637	2.0666	1,650,495	
Transaction Cost	-	-	120,364	
ce	130	2.0154	262	
Services Commodity	-	-	-	
rty Supplier Balancing Gas Costs	5,872		(134,666)	
/ Peaking purchase	41,712	2.4700	103,029	
ish Out Imbalance	-	-	-	

T in a		I	December 2019			January 2020			February 2020		
Line No.	Description	Dth	Rate	Amount	Dth	Rate	Amount	Dth	Rate	Amount	
1	Panhandle Eastern Pipeline - Demand	33,463	\$ 12.2300	\$ 409,252	33,463	\$ 12.2300	\$ 409,252	33,463	\$ 12.2300	\$ 409,252	
2	MGT Pipeline - Demand	1,395,000	0.0620	86,504	1,395,000	0.0620	86,504	1,305,000	0.0663	86,504	
3	Indiana Municipal Gas Purchasing Authority - Demand	17,090	12.2250	208,926	17,090	12.2055	208,592	17,090	12.2106	208,679	
4	Texas Gas Transmission - Nominated Demand	1,346,485	0.3543	477,060	1,346,485	0.3543	477,060	1,259,615	0.3543	446,282	
5	Texas Gas Transmission - Unnominated Demand	1,133,515	0.3543	401,604	1,133,515	0.3543	401,604	1,060,385	0.3543	375,694	
6	Texas Gas Transmission - Unnominated Injections	(679)	0.6421	(436)	(2,070)	0.8855	(1,833)	(14,299)	0.5887	(8,418)	
7	Texas Gas Transmission - Unnominated Withdrawal	685,533	0.3904	267,632	691,395	0.3904	269,921	345,713	0.4835	167,152	
8	Rockies express - Delivered Supply - (BP REX)	-	-		-	-		-	-	-	
9	Rockies Express - EAST (Demand)	20,000	16.7292	334,583	20,000	16.7292	334,583	20,000	16.7292	334,583	
10	TGT-PEPL-MGT-REX- Swing Gas (Demand)			-	_0,000		-			-	
11	Utilization Fee	-	-	(243,750)	-	-	(243,750)	-	-	(243,750)	
12	Contract Services Demand	-	-	(2.10,700)	-	-	(2.0,700)	-	-	(2.10,700)	
13	Panhandle Eastern/MGT Pipeline/Rockies Express East- Commodity	610,018	2.1309	1,299,877	-	-	-	-	-	-	
14	Indiana Municipal Gas Purchasing Authority - Commodity	19,127	2.0719	39,630	19,127	1.7401	33,282	17,893	1.5015	26,866	
15	Indiana Municipal Gas Purchasing Authority - Prepay Commodity	510,663	1.7403	888,720	510,663	0.3343	170,729	477,717	1.1697	558,798	
16	Texas Gas Transmission - Commodity	-	-	-	-	-	-	-	-	-	
17	Texas Gas Transmission - Unnominated Injection - Commodity	(679)	2.0383	(1,384)	(2,070)	1.5068	(3,119)	(14,299)	1.7049	(24,378)	
18	Texas Gas Transmission - Unnominated Withdrawal - Commodity	685,533	1.9230	1,318,280	691,395	1.8416	1,273,273	345,713	1.6470	569,389	
19	Rockies Express - Delivered Supply - (BP REX)	310,000	2.2600	700,600	310,000	1.9480	603,880	290,000	1.6670	483,430	
20	Rockies Express - Delivered Supply - (BP PEAK)	310,000	2.0800	644,800	310,000	1.7680	548,080	290,000	1.4870	431,230	
20	Intra-DayPurchases	510,000	2.0000	-		-		290,000	-	+51,250	
22	TGT-PEPL-MGT-REX- Swing Gas (Commodity)	798,637	2.0666	1,650,495	481,211	1.9143	921,184	1,489,955	1.7500	2,607,398	
23	Hedging Transaction Cost		2.0000	120,364		-	79,832	-	-	271,094	
24	Imbalance	130	2.0154	262	(2,566)	1.5966	(4,097)	(15,228)	1.6985	(25,865)	
25	Contract Services Commodity	-	2.0134	-	(2,500)	-	(4,0)7)	(13,220)	-	(23,005)	
26	Third Party Supplier Balancing Gas Costs	5,872		(134,666)	222,814		412,251	145,167		236,520	
27	Boil-off / Peaking purchase	41,712	2.4700	103,029	36,815	2.1580	79,447	36,320	1.8770	68,173	
28	MGT Cash Out Imbalance	41,712	2.4700	105,027	50,015	2.1500	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	50,520	1.0770		
29	Fuel Retention Volumes		_			_	-		_		
30	NSS Injection fuel loss	(6)		-	(8)			(109)		-	
31	Backup Supply Sales	(6)	-	-	(8)	-	-	(109)	-	-	
32	Current Pipeline Rate Per Dth	3,291,007	\$2.6045	\$ 8,571,382	2,577,381	\$2.3499	\$ 6,056,675	3,063,129	\$2.2783	\$ 6,978,633	
33	Current Commodity Rate Per Dth	3,291,007	\$2.0146	\$6,630,007	2,577,381	\$1.5965	\$4,114,742	3,063,129	\$1.6985	5,202,655	

Lines 4 & 16 - includes TGT Unnom. Storage Refill Adjustment

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#### Citizens Gas Calculation of the Average Actual Pipeline Rate Non-pipeline Supplies, Storage Injection, and Company Usage

		November 2019			E	ecember 2019		January 2020		
Line No.	Description	Dth	Rate	Amount	Dth	Rate	Amount	Dth	Rate	Amount
1	Panhandle Eastern Pipeline - Demand	33,463	\$ 12.2300	\$ 409,252	33,463	\$ 12.2300	\$ 409,252	33,463	\$ 12.2300	\$ 409,252
2	MGT Pipeline - Demand	1,350,000	0.0641	86,504	1.395.000	0.0620	86,504	1,395,000	0.0620	86,504
3	Indiana Municipal Gas Purchasing Authority - Demand	17,090	12.2269	208,957	17,090	12.2250	208,926	17,090	12.2055	208,592
4	Texas Gas Transmission - Nominated Demand	1,303,050	0.3543	461,671	1,346,485	0.3543	477,060	1,346,485	0.3543	477,060
5	Texas Gas Transmission - Unnominated Demand	1,096,950	0.3543	388,649	1,133,515	0.3543	401,604	1,133,515	0.3543	401,604
6	Texas Gas Transmission - Unnominated Injections	(85,119)	0.5819	(49,531)	(679)	0.6421	(436)	(2,070)	0.8855	(1,833)
7	Texas Gas Transmission - Unnominated Withdrawal	500,042	0.3880	194,016	685,533	0.3904	267,632	691,395	0.3904	269,921
8	Rockies express - Delivered Supply - (BP REX)		-			-		-	-	
ğ	Rockies Express - EAST- (Demand)	20,000	16.7292	334,583	20,000	16.7292	334,583	20,000	16.7292	334,583
10	TGT-PEPL-MGT-REX- Swing Gas (Demand)			-			-			-
11	Utilization Fee	-	-	(243,750)		-	(243,750)		-	(243,750)
12	Contract Services Demand	-	-	(=,		-	(=,		-	(=,
13	Panhandle Eastern/MGT Pipeline/Rockies Express East- Commodity	-	-	-	610,018	2.1309	1,299,877	-	-	-
14	Indiana Municipal Gas Purchasing Authority - Commodity	18,510	2.1446	39,696	19.127	2.0719	39.630	19,127	1.7401	33.282
15	Indiana Municipal Gas Purchasing Authority - Prepay Commodity	494,190	1.8129	895,941	510,663	1.7403	888,720	510,663	0.3343	170,729
16	Texas Gas Transmission - Commodity			-	-		-	-	-	
17	Texas Gas Transmission - Unnominated Injection - Commodity	(85,119)	2.2027	(187,492)	(679)	2.0383	(1,384)	(2,070)	1.5068	(3,119)
18	Texas Gas Transmission - Unnominated Withdrawal - Commodity	500,042	2.0516	1,025,886	685,533	1.9230	1,318,280	691,395	1.8416	1,273,273
19	Rockies Express - Delivered Supply - (BP REX)	300,000	2.3870	716,100	310,000	2.2600	700,600	310,000	1.9480	603,880
20	Rockies Express - Delivered Supply - (BP PEAK)	300,000	2.2070	662,100	310,000	2.0800	644,800	310,000	1.7680	548,080
21	Intra-DayPurchases	6,950	2.5970	18,049	-	2.0000	-	-	-	
22	TGT-PEPL-MGT-REX- Swing Gas (Commodity)	1,596,978	2.2627	3,613,483	798,637	2.0666	1,650,495	481,211	1.9143	921,184
23	Hedging Transaction Cost			77,279		-	120,364	-		79,832
24	Imbalance	11,841	2.1795	25,807	130	2.0154	262	(2,566)	1.5966	(4,097)
25	Contract Services Commodity			-	-	-		(2,500)	-	(4,0)7)
26	Third Party Supplier Balancing Gas Costs	69,620		97,773	5,872		(134,666)	222,814		412,251
27	Boil-off / Peaking purchase	44,207	2.5970	114,806	41,712	2,4700	103,029	36,815	2.1580	79,447
28	MGT Cash Out Imbalance	(1,944)	2.5226	(4,904)	(806)	2.1973	(1,771)	(7)	2.0000	(14)
29	Fuel Retention Volumes	(1,2.1)	2.0220	(1,,201)	(000)	2.1.978	(1,7,71)	-	2.0000	(11)
30	NSS Injection fuel loss	(234)	-		(6)	-		(8)	-	
31	Backup Supply Sales	-	-	-	-	-	-	-	-	-
32	Current Pipeline Rate Per Dth	3,255,041	\$2.7296	\$ 8,884,875	3,290,201	\$2.6046	\$ 8,569,611	2,577,374	\$2.3499	\$ 6,056,661
33	Current Commodity Rate Per Dth	3,255,041	\$2.1795	7,094,524	3,290,201	\$2.0145	6,628,236	2,577,374	\$1.5965	4,114,728

Lines 4 & 16 - includes TGT Unnom. Storage Refill Adjustment

#### Citizens Gas PEPL Unnominated Quantities Cost December 2019

		А	В	С	D	Е	F
Line No.		Compres. Fuel-Dth	Demand Costs	Volumes	Storage Rates	Compres. Fuel	Total
2 3 4 5	(100-day Firm) (Midpoint) PEPL Withdrawal fuel cost PEPL Withdrawal (Midpoint)	221 15,174	\$679,081 \$679,081	8,545 8,696 693,152 687,605	\$0.0385 0.0069 0.0385 0.0069	603 35,833 \$36,436	\$679,081 603 329 60 35,833 26,686 4,744 \$747,336
10 11 12 13 14	Actual - November, 2019 PEPL Demand Cost PEPL Injection (uel cost PEPL Injection (Net) (100-day Firm) (Midpoint) PEPL Withdrawal fuel cost PEPL Withdrawal (Midpoint) (100-day Firm) (Net) PEPL - Sub Total	221 15,174	\$679,081 \$679,081	8,545 8,696 693,150 687,603	0.0385 0.0069 0.0385 0.0069	603 35,833 \$36,436	\$679,081 603 329 60 35,833 26,686 4,744 \$747,336
18 19 20 21 22 23 24		- 19,005	\$679,081 \$679,081	- 868,321 861,376	0.0385 0.0069 0.0385 0.0069	- 44,892 \$44,892	\$679,081 - 44,892 33,430 5,943 \$763,346
	PEPL - Balancing Costs (ln 25 * 9%)		\$679,081		=	\$44,892	\$763,346 \$68,701
	PEPL - Retail Costs (ln 25 * 91%)					-	\$694,645
						=	<i>407</i> .,015

#### Citizens Gas PEPL Unnominated Quantities Cost January 2020

	А	В	С	D	Е	F
Line No.	Compres. Fuel-Dth	Demand Costs	Volumes	Storage Rates	Compres. Fuel	Total
Accrual - December, 2019 PEPL 1 Demand Cost 2 PEPL Injection fuel cost 3 PEPL Injection (Net) 4 (100-day Firm) (Midpoint) 5 PEPL Withdrawal (Midpoint) 7 (100-day Firm) (Net) 8 PEPL - Sub Total <u>Actual - December, 2019</u>	- 19,005	\$679,081 \$679,081	- - 868,321 861,376	\$0.0385 0.0069 0.0385 0.0069	- 44,892 	\$679,081 - - 44,892 33,430 5,943 \$763,346
PEPL 9 Demand Cost 10 PEPL Injection fuel cost 11 PEPL Injection (Net) 12 (100-day Firm) (Midpoint) 13 PEPL Withdrawal fuel cost 14 PEPL Withdrawal (Midpoint) 15 (100-day Firm) (Net) 16 PEPL - Sub Total	- 19,005	\$679,081 \$679,081	- 868,320 861,375	0.0385 0.0069 0.0385 0.0069	44,892	\$679,081 - - 44,892 33,430 5,943 \$763,346
Accrual - January, 2020PEPL17Demand Cost18PEPL Injection fuel cost19PEPL Injection (Net)20(100-day Firm) (Midpoint)21PEPL Withdrawal (Midpoint)23(100-day Firm) (Net)24PEPL - Sub Total	- 30,510	\$679,081 \$679,081	- - 1,393,836 1,382,688	0.0385 0.0069 0.0385 0.0069	72,068	\$679,081 - - 72,068 53,663 9,541 \$814,353
25 Total ( line 24+ line 16 - line 8)		\$679,081			\$72,068	\$814,353
26 PEPL Balancing Costs (ln 25 * 9%)						\$73,292
27 PEPL Retail Costs (ln 25 * 91%)						\$741,061

#### Citizens Gas PEPL Unnominated Quantities Cost February 2020

	А	В	С	D	Е	F
Line No	Compres. Fuel-Dth	Demand Costs	Volumes	Storage Rates	Compres. Fuel	Total
Accrual - January, 2020         PEPL         1       Demand Cost         2       PEPL Injection Fuel Cost         3       PEPL Injection (Net)         4       (100-day Firm) (Midpoint)         5       PEPL Withdrawal Fuel Cost         6       PEPL Withdrawal (Midpoint)         7       (100-day Firm) (Net)         8       PEPL Total	- 30,510	\$679,081 \$679,081	- - 1,393,836 1,382,688	\$0.0385 0.0069 0.0385 0.0069	72,068	\$679,081 - 72,068 53,663 9,541 \$814,353
Actual - January, 2020PEPL999101112100-day Firm) (Midpoint)131415100-day Firm) (Net)161616	- 30,517	\$680,331	- - 1,394,207 1,383,056	\$0.0385 0.0069 0.0385 0.0069	72,084	\$680,331 - 72,084 53,677 9,543 \$815,635
Accrual -February , 2020         PEPL         17       Demand Cost         18       PEPL Injection Fuel Cost         19       PEPL Injection (Net)         20       (100-day Firm) (Midpoint)         21       PEPL Withdrawal fuel cost         22       PEPL Withdrawal (Midpoint)         23       (100-day Firm) (Net)         24       PEPL Total	- 28,656	\$679,081 \$679,081	- - 1,309,114 1,298,641	\$0.0385 0.0069 0.0385 0.0069	- 67,691 \$67,691	\$679,081 - - 67,691 50,401 8,961 \$806,134
25 Total ( line 24 + line 16 - line 8)		\$680,331			\$67,707	\$807,416
26 PEPL Balancing Costs (ln 25 * 9%)					=	\$72,667
27 PEPL Retail Costs (ln 25 * 91%)					=	\$734,749

### Citizens Gas Cost of Gas Injections and Withdrawals For the period December 1, 2019 - February 29, 2020

		А	В	С	D	Е	F	G	Н	Ι	
	_	Estimated	l Change		Cost of Gas						
				Injections	Injections Withdrawals				Net		
Lin No		Injections Dth	Withdrawals Dth	Demand	Commodity	Demand	Commodity	Demand	Commodity	Total	
	December 2019										
1 2	UGS PEPL	81,213	408,906 861,374	\$47,960 4	\$163,572 (3)	\$177,956 355,315	\$857,067 1,679,336	\$129,996 355,311	\$693,495 1,679,339	\$823,491 2,034,650	
3	Subtotal	81,213	1,270,280	\$47,964	\$163,569	\$533,271	\$2,536,403	\$485,307	\$2,372,834	\$2,858,141	
	January 2020										
4 5	UGS PEPL	14,436	1,062,264 1,382,687	\$10,892	\$23,039	\$464,103 570,358	\$2,225,549 2,695,687	\$453,211 570,358	\$2,202,510 2,695,687	\$2,655,721 3,266,045	
6	Subtotal	14,436	2,444,951	10,892	23,039	1,034,461	4,921,236	1,023,569	4,898,197	5,921,766	
	February 2020										
7 8	UGS PEPL	12,540	708,909 1,299,009	\$7,271	\$21,299	\$310,289 535,843	\$1,484,385 2,532,677	\$303,018 535,843	\$1,463,086 2,532,677	\$1,766,104 3,068,520	
9	Subtotal	12,540	2,007,918	7,271	21,299	846,132	4,017,062	838,861	3,995,763	4,834,624	
10	Grand Total	108,189	5,723,149	\$66,127	\$207,907	\$2,413,864	\$11,474,701	\$ 2,347,737	\$ 11,266,794	\$ 13,614,531	

#### Citizens Gas Demand Allocation of Injections and Withdrawals From PEPL For Three Months Ending February 29, 2020

		А	В	С	D	Е	F
Line No.		Volume DTH	Demand Cost	Commodity Cost	Total Cost	Total \$/DTH	Commodity \$/DTH
1	Beginning balance @ December 2019	5,082,961	\$2,096,688	\$9,909,935	\$12,006,623	\$2.3621	\$1.9496
2	Less: Net W/D @ avg. unit cost						
3	Prior mo. accrual reversal	687,605	283,431	1,340,348	1,623,779	2.3615	1.9493
4	Prior mo. actual	(687,603)	(283,429)	(1,340,345)	(1,623,774)	2.3615	1.9493
5	Current mo. accrual	(861,376)	(355,317)	(1,679,339)	(2,034,656)	2.3621	1.9496
6	Add: Gross Injections						
7	Prior mo. accrual reversal	(8,766)	(4,819)	(19,108)	(23,927)	2.7295	2.1798
8	Prior mo. actual	8,766	4,823	19,105	23,928	2.7296	2.1795
9	Current mo. accrual	-	-	-	-	-	-
10	Lassy Commercian Fuel						
10	Less: Compressor Fuel	15,174	6,254	29,579	35,833	2.3615	1.9493
11	Prior mo. accrual reversal - W/D Prior mo. accrual reversal - Injections	221	121	482	55,855 603	2.7295	2.1798
12	Prior mo. Actual - W/D	(15,174)	(6,254)	(29,579)	(35,833)	2.3615	1.9493
13	Prior mo. Actual - Injections	(13,174) (221)	(121)	(482)	(603)	2.7296	2.1795
15	Current mo. Accrual -Inj	(221)	(121)	(402)	(005)	2.7290	2.1755
16	Current mo. Accrual-W/D	(19,005)	(7,840)	(37,052)	(44,892)	2.3621	1.9496
17	Beginning balance @ January 2020	4,202,582	1,733,537	8,193,544	9,927,081	2.3621	1.9496
18	Less: Net W/D @ avg. unit cost	0.44 0.54					
19	Prior mo. accrual reversal	861,376	355,317	1,679,339	2,034,656	2.3621	1.9496
20	Prior mo. actual	(861,375)	(355,317)	(1,679,337)	(2,034,654)	2.3621	1.9496
21	Current mo. accrual	(1,382,688)	(570,358)	(2,695,689)	(3,266,047)	2.3621	1.9496
22	Add: Gross Injections						
23	Prior mo. accrual reversal	-	-	-	-	-	-
24 25	Prior mo. actual	-	-	-	-	-	-
25 26	Current mo. accrual Less: Compressor Fuel	-	-	-	-	-	-
20	Prior mo. accrual reversal - W/D	19,005	7,840	37,052	44,892	2.3621	1.9496
27	Prior mo. accrual reversal - Inj	19,005	7,840	57,052	44,092	2.3021	1.9490
20	Prior mo. Actual - W/D	(19,005)	(7.840)	(37,052)	(44,892)	2.3621	1.9496
30	Prior mo. Actual - Injections	(19,005)	(7,840)	(37,032)	(44,892)	2.5021	1.9490
31	Current mo. accrual - Inj					_	
32	Current mo. Accrual-W/D	(30,510)	(12,586)	(59,482)	(72,068)	2.3621	1.9496
		(***,****)	(,,-)	(07,102)	(,,		
		0.500.005	1 150 500	5 400 075	< <b>5</b> 00.050	0.0700	1.0.107
33 34	Beginning balance @ February 2020 Less: Net W/D @ avg. unit cost	2,789,385	1,150,593	5,438,375	6,588,968	2.3622	1.9497
35	Prior mo. accrual reversal	1,382,688	570,358	2,695,689	3,266,047	2.3621	1.9496
36	Prior mo. actual	(1,383,056)	(570,511)	(2,696,406)	(3,266,917)	2.3621	1.9496
30	Current mo. accrual	(1,298,641)	(535,690)	(2,531,960)	(3,067,650)	2.3621	1.9490
38	Add: Gross Injections	(1,298,041)	(555,090)	(2,551,900)	(3,007,050)	2.3022	1.9497
39	Prior mo. accrual reversal	_	-	-	_	_	
40	Prior mo. actual	-	_	-	_	_	-
41	Current mo. Accrual	_	_		_	_	-
42	Less: Compressor Fuel						
43	Prior mo. accrual reversal - W/D	30,510	12,586	59,482	72,068	2.3621	1.9496
44	Prior mo. accrual reversal - Inj	-	-	-	-	-	-
45	Prior mo. Actual - W/D	(30,517)	(12,588)	(59,496)	(72,084)	2.3621	1.9496
46	Prior mo. Actual - Injections	-	-	-	-	-	-
47	Current mo. accrual -Inj	-	-	-	-	-	-
48	Current mo. Accrual-W/D	(28,656)	(11,820)	(55,871)	(67,691)	2.3622	1.9497
49	Ending balance @ February 29, 2020	1,461,713	602,928	2,849,813	3,452,741	\$2.3621	\$1.9496
4)	Lineing building @ i coronity 27, 2020	1,401,715	002,720	2,047,015	5,752,771	φ2.3021	ψ1.7470

IURC Cause No. 37399 - GCA 146 Attachment KLK - 7, Page 62 of 68 Schedule 10A, Page 1 of 2

# Citizens Gas Demand Allocation of Injections and Withdrawals From UGS For Three Months Ending February 29, 2020

		А	В	С	D	Е	F
Line No.		Volume	Demand Cost	Commodity Cost	Total Cost	Total \$/Unit	Commodity \$/Unit
1	Beginning balance @ December 2019	7,449,945	\$3,241,988	\$15,615,089	\$18,857,077	\$2.5312	\$2.0960
2 3	Add: Gross Injections Less: Prior mo. accrual	(132,101)	(72,616)	(297.054)	(360,570)	2.7295	2.1798
3 4	Add: Prior mo. actual	(132,101) 132,101	(72,616) 72,669	(287,954) 287,914	(360,570) 360,583	2.7295	2.1798
4 5	Add: Current mo. accrual	81,213	47,907	163,612	211,519	2.6045	2.0146
5	Less: Net Withdrawals	81,215	47,907	105,012	211,319	2.0043	2.0140
7	Prior mo. accrual reversal	106,428	46,094	222,913	269,007	2.5276	2.0945
8	Prior mo. Actual	(106,428)	(46,094)	(222,913)	(269,007)	2.5276	2.0943
9	Current mo. accrual	(408,906)	(177,956)	(857,067)	(1,035,023)	2.5270	2.0945
10	Less: Blowoff	(408,900)	(177,950)	(857,007)	(1,055,025)	2.3312	2.0900
11	Current mo. Blowoff	(1,638)	(713)	(3,433)	(4,146)	2.5312	2.0960
12	Beginning balance @ January 2020	7,120,614	3,111,279	14,918,161	18,029,440	2.5320	2.0951
13	Add: Gross Injections						
14	Less: Prior mo. accrual	(81,213)	(47,907)	(163,612)	(211,519)	2.6045	2.0146
15	Add: Prior mo. actual	81,213	47,923	163,604	211,527	2.6046	2.0145
16	Add: Current mo. accrual	14,436	10,876	23,047	33,923	2.3499	1.5965
17	Less: Net Withdrawals						
18	Prior mo. accrual reversal	408,906	177,956	857,067	1,035,023	2.5312	2.0960
19	Prior mo. actual	(408,906)	(177,956)	(857,067)	(1,035,023)	2.5312	2.0960
20	Current mo. accrual	(1,062,264)	(464,103)	(2,225,549)	(2,689,652)	2.5320	2.0951
21	Less: Blowoff						
22	Current mo. Blowoff	(5,239)	(2,289)	(10,976)	(13,265)	2.5320	2.0951
23	Beginning balance @ February 2020	6,067,547	2,655,779	12,704,675	15,360,454	2.5316	2.0939
24	Add: Injections						
25	Less: Prior mo. accrual	(14,436)	(10,876)	(23,047)	(33,923)	2.3499	1.5965
26	Prior mo. actual	14,436	10,876	23,047	33,923	2.3499	1.5965
27	Current mo. accrual	12,540	7,271	21,299	28,570	2.2783	1.6985
28	Less: Withdrawals						
29	Prior mo. accrual reversal	1,062,264	464,103	2,225,549	2,689,652	2.5320	2.0951
30	Prior mo. actual	(1,062,264)	(464,103)	(2,225,549)	(2,689,652)	2.5320	2.0951
31	Current mo. Accrual	(708,909)	(310,289)	(1,484,385)	(1,794,674)	2.5316	2.0939
32	Less: Blowoff						
33	Current mo. Blowoff	(3,483)	(1,525)	(7,293)	(8,818)	2.5316	2.0939
34	Ending balance @ February 29, 2020	5,367,695	2,351,236	11,234,296	13,585,532	\$2.5310	\$2.0929

# Citizens Gas Determination of ''Unaccounted For'' Percentage and Manufacturing / Steam Division Costs For Three Months Ending February 29, 2020

Line No.	_	A December 2019	B January 2020	C February 2020	D Total
1	Volume of pipeline gas purchases - Dths (See Schedule 8)	3,289,063	2,576,575	3,063,122	8,928,760
2	Gas (injected into) withdrawn from storage (See Schedule 10)	1,189,067	2,430,515	1,995,378	5,614,960
3	Transported gas received	2,154,040	2,388,204	2,130,437	6,672,681
4	Transported gas (injected into) withdrawn from storage	0	0	0	0
5	Reverse transport imbalance already on Sch 8	(5,872)	(222,814)	(145,167)	(373,853)
6	Total volume supplied	6,626,298	7,172,480	7,043,770	20,842,548
7	Less: Gas Division usage	(9,345)	(11,243)	(10,056)	(30,644)
8	Total volume available for sale	6,616,953	7,161,237	7,033,714	20,811,904
9	Retail Volume of gas sold - Dths (Schedule 6, Page 3, ln 26)	4,436,170	4,940,506	4,992,488	14,369,164
10	Total Transport Usage (Sch 6, Page 3, ln 27 + ln 28)	2,075,073	2,122,162	1,966,834	6,164,069
11	"Unaccounted for" gas (ln 8- ln 9 - ln 10)	105,710	98,569	74,392	278,671
12	Percentage of "unaccounted for" gas (line 11 / line 8)	1.60%	1.38%	1.06%	1.34%

# CITIZENS GAS Initiation of Refund

Line No.	_	Refunds	
1 2 3 4 5	Supplier: Date received: Amount of refund: Reason for Refund: Docket Number:		\$0
6	Total to be refunded	Distribution of Refunds to GCA Quarters	\$0
	Quarter	A Sales % (All GCA Classes)	B Refund (line 6 * column A)
7	June 2020 - August 2020	5.1690% (Sch. 2B, ln 18)	\$0
8	Sept., 2020 - Nov., 2020	13.1859% (Sch. 2B, ln 19)	\$0
9	Dec., 2020- Feb., 2021	55.6867% (Sch. 2B, ln 20)	\$0
10	March 2021 - May 2021	25.9584% (Sch. 2B, ln 21)	\$0
11	Total		\$0
	<u>(</u>	Calculation of Refund to be Returned in this GCA	_
12	Refund from Cause No. 37399-GC	A 143	\$0
13	Refund from Cause No. 37399-GC	A 144	0
14	Refund from Cause No. 37399-GC	A 145	0
15	Refund from this Cause (line 7)		0
16	Total to be refunded in this Cause (Sum of lines 12 through 15)		\$0

	Citizens Gas <u>Allocation of Gas Supply Variance</u>									
		А	В	С	D	Е	F			
Line No.		Gas Rate No. D1	Gas Rate No. D2	Gas Rate No. D3/ No. D7	Gas Rate No. D4	Gas Rate No. D5	Gas Cost Variances			
	Calculation of Total Gas Cost Variances									
1	Dec., 2019 Total Gas Supply Variance (Sch 6A, pg. 1, ln 16)	(4,340)	(451,279)	14,256	(293,854)	0	(735,217)			
2	Jan., 2020 Total Gas Supply Variance (Sch 6B, pg. 1, ln 16)	(3,690)	(1,106,330)	7,028	(401,308)	0	(1,504,300)			
3	Feb., 2020 Total Gas Supply Variance (Sch 6C, pg. 1, ln 16)	(4,484)	(570,454)	2,561	(216,297)	0	(788,674)			
4	Total Net Write Off Gas Cost Variance (over)/under recover (Sch 12C, ln19)	(300)	(14,034)	201	(4,813)	285	(18,661)			
5	Annual Unaccounted for over-recovery (Sch 11a, ln 18, col. D $^{\ast}$ Sch 2B, ln 22 )	0	0	0	0	0	0			
6	Sub-Total Gas Supply Variance (over)/underrecovery (ln 1 + ln 2 + ln 3 + ln 4 + ln 5)	(\$12,814)	(\$2,142,097)	\$24,046	(\$916,272)	\$285	(3,046,852)			
7	Distribution of variances to quarters by rate class First quarter Total Gas Supply Variance (ln 6 * Sch 2B, ln 18)	(\$1,264)	(\$98,370)	\$5,733	(\$50,277)	\$0	(\$144,178)			
8	Second quarter Total Gas Supply Variance (In 6 * Sch 2B, In 19)	(2,279)	(287,178)	6,718	(104,652)	0	(387,391)			
9	Third quarter Total Gas Supply Variance (In 6 * Sch 2B, In 20)	(6,377)	(1,191,612)	7,167	(529,402)	0	(1,720,224)			
10	Fourth quarter Total Gas Supply Variance (In 6 * Sch 2B, In 21)	(2,894)	(564,937)	4,428	(231,941)	0	(795,344)			
	Calculation of variances for this Cause									
11	Cause No. 37399 - GCA 143 Total Gas Supply Variance (Sch 12B pg 1, ln 10)	(95)	51,143	239	9,772	0	61,059			
12	Cause No. 37399 - GCA 144 Total Gas Supply Variance (Sch 12B pg 1, ln 9)	(573)	(16,446)	(19,940)	(17,357)	0	(54,316)			
13	Cause No. 37399 - GCA 145 Total Gas Supply Variance (Sch 12B pg 1, ln 8)	(510)	(43,375)	(7,262)	(41,239)	0	(92,386)			
14	This Cause Total Gas Supply Variance (line 7)	(1,264)	(98,370)	5,733	(50,277)	0	(\$144,178)			
15	Total Gas Supply Variance to be included in GCA (Over)/Underrecovery (ln 11 + ln 12 + ln 13 + ln 14)	(\$2,442)	(\$107,048)	(\$21,230)	(\$99,101)	\$0	(\$229,821)			

	Citizens Gas Allocation of Balancing Demand Cost Variance										
		А	В	С	D	Е	F	G			
Line No.		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	Balancing Demand Cost Variance			
	Calculation of Total Balancing Demand Cost Variances										
1	Dec., 2019 Total Balancing Demand Cost Variance (Sch 6A, pg. 2, ln 25)	(\$1)	(\$2,049)	\$269	(\$1,774)	\$2,086	\$5,741	\$4,272			
2	Jan., 2020 Total Balancing Demand Cost Variance (Sch 6B, pg. 2, ln 25)	(\$27)	(\$755)	\$268	(\$2,843)	\$2,169	\$4,975	\$3,787			
3	Feb., 2020 Total Balancing Demand Cost Variance (Sch 6C, pg. 2, ln 25)	\$23	\$2,279	\$558	(\$377)	\$2,211	\$4,894	\$9,588			
4	Balancing Demand Cost Variance (Line 1 + Line 2 + Line 3)	(\$5)	(\$525)	\$1,095	(\$4,994)	\$6,466	\$15,610	\$17,647			
	Distribution of variances to quarters by rate class										
5	First quarter Total Balancing Demand Cost Variance (In 4 * Sch 2A, In 18)	(\$1)	(\$25)	\$242	(\$366)	\$1,117	\$4,968	\$5,935			
6	Second quarter Total Balancing Demand Cost Variance (In 4 * Sch 2A, In 19)	(\$1)	(\$70)	\$273	(\$803)	\$1,502	\$4,310	\$5,211			
7	Third quarter Total Balancing Demand Cost Variance (In 4 * Sch 2A, In 20)	(\$2)	(\$292)	\$320	(\$2,598)	\$2,278	\$2,498	\$2,204			
8	Fourth quarter Total Balancing Demand Cost Variance (ln 4 * Sch 2A, ln 21)	(\$1)	(\$138)	\$260	(\$1,227)	\$1,569	\$3,834	\$4,297			
	Calculation of variances for this Cause										
9	Cause No. 37399 - GCA 143 Total Balancing Demand Cost Variance (Sch 12B, pg. 2, ln 8)	(\$7)	(\$938)	\$339	(\$808)	\$525	\$1,983	\$1,094			
10	Cause No. 37399 - GCA 144 Total Balancing Demand Cost Variance (Sch 12B, pg. 2, ln 7)	(\$26)	(\$1,087)	(\$3,267)	(\$1,910)	(\$805)	\$7,853	\$758			
11	Cause No. 37399 - GCA 145 Total Balancing Demand Cost Variance (Sch 12B, pg. 2, ln 6)	(\$37)	(\$2,458)	(\$2,472)	(\$2,725)	(\$383)	\$8,431	\$356			
12	This Cause Total Current Balancing Demand Cost Variance (line 5)	(\$1)	(\$25)	\$242	(\$366)	\$1,117	\$4,968	\$5,935			
13	Total Balancing Demand Cost Variance to be included in GCA (Over)/Underrecovery (ln 9 + ln 10 + ln 11 + ln 12)	(\$71)	(\$4,508)	(\$5,158)	(\$5,809)	\$454	\$23,235	\$8,143			

Citizens Gas

CITIZENS GAS
SCHEDULE 12C
DETERMINATION OF NET WRITE-OFF GAS COST RECOVERIES

		Decem	ber 2019				
Line No	D.	A	В	С	D	Е	F
1	Actual Retail Sales in Dth (Sch 6A, line 26)	<b>D1</b> 17,425	<b>D2</b> 3,161,581	<b>D3</b> 37,901	<b>D4</b> 1,219,263	D5 -	<b>Total</b> 4,436,170
2	Net Write-Off Gas Cost Component per Dth Cause No. 37399-GCA 144, MPU Sch 1 pg 2, ln 23	\$0.0400	\$0.0380	\$0.0050	\$0.0110	\$0.0000	
3	Actual Net Write Off Gas Cost Recovery (ln 1 * ln 2)	\$697	\$120,140	\$190	\$13,412	\$0	\$134,439
4	Net Write Off Recovery Allocation Factors Cause No. 43975	0.004201	0.908991	0.002576	0.083537	0.000695	1.000000
5	Recoverable Net-Write Off Gas Costs (Sch 6A, ln 9, Total * 1.10% * ln 4)	\$558	\$120,778	\$342	\$11,100	\$92	\$132,870
6	Net Write Off Gas Cost Variance (over)/under recovery (ln 5 - ln 3)	(\$139)	\$638	\$152	(\$2,312)	\$92	(\$1,569)
		Janua	ry 2020				
7	Actual Retail Sales in Dth (Sch 6B, line 26)	15,670	3,538,025	47,539	1,339,272	-	4,940,506
8	Net Write-Off Gas Cost Component per Dth Cause No. 37399-GCA 144, MPU Sch 1 pg 2, ln 23	\$0.0380	\$0.0390	\$0.0060	\$0.0100	\$0.0000	
9	Actual Net Write Off Gas Cost Recovery (ln 7 * ln 8)	\$595	\$137,983	\$285	\$13,393	\$0	\$152,256

10	Net Write Off Recovery Allocation Factors Cause No. 43975	0.004201	0.908991	0.002576	0.083537	0.000695	1.000000
11	Recoverable Net-Write Off Gas Costs (Sch 6B, ln 9, Total * 1.10% * ln 10)	\$586	\$126,761	\$359	\$11,650	\$97	\$139,453
12	Net Write Off Gas Cost Variance (over)/under recovery (ln 11 - ln 9)	(\$9)	(\$11,222)	\$74	(\$1,743)	\$97	(\$12,803)

February 2020							
13	Actual Retail Sales in Dth (Sch 6C, line 26)	18,256	3,570,586	42,074	1,361,572	-	4,992,488
14	Net Write-Off Gas Cost Component per Dth Cause No. 37399-GCA 144, MPU Sch 1 pg 2, ln 23	\$0.0400	\$0.0360	\$0.0090	\$0.0090	\$0.0000	
15	Actual Net Write Off Gas Cost Recovery (ln 13 * ln 14)	\$730	\$128,541	\$379	\$12,254	\$0	\$141,904
16	Net Write Off Recovery Allocation Factors Cause No. 43975	0.004201	0.908991	0.002576	0.083537	0.000695	1.000000
17	Recoverable Net-Write Off Gas Costs (Sch 6C, ln 9, Total * 1.10% * ln 16)	\$578	\$125,091	\$354	\$11,496	\$96	\$137,615
18	Net Write Off Gas Cost Variance (over)/under recovery (ln 17 - ln 15)	(\$152)	(\$3,450)	(\$25)	(\$758)	\$96	(\$4,289)
19	Total Net Write Off Gas Cost Variance (over)/under recovery (ln 6 + ln 12 + ln 18)	(\$300)	(\$14,034)	\$201	(\$4,813)	285	(\$18,661)