

**STATE OF NEW JERSEY
BOARD OF PUBLIC UTILITIES**

**IN THE MATTER OF THE PETITION OF :
ELIZABETHTOWN GAS COMPANY TO :
REVIEW ITS PERIODIC BASIC GAS :
SUPPLY SERVICE RATE :
: BPU DOCKET NO. _____**

CASE SUMMARY, PETITION, TESTIMONY AND SCHEDULES

May 31, 2019



520 Green Lane
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Deborah M. Franco, Esq.
Regulatory Affairs Counsel

May 31, 2019

Electronic Filing & Hand Delivery

Aida Camacho-Welch
Office of the Secretary
NJ Board of Public Utilities
44 South Clinton Avenue, 3rd Floor
P. O. Box 350
Trenton, NJ 08625-0350

**Re: In the Matter of the Petition of Elizabethtown Gas Company to Review Its Basic Gas Supply Service Rate
BPU Docket No. _____**

Dear Secretary Camacho-Welch:

Enclosed herewith are an original and two (2) "courtesy" copies of Elizabethtown Gas Company's Petition to Review the Level of its Basic Gas Supply Service Rate, which has also been filed electronically utilizing the Board's e-Filing Program.

Kindly acknowledge receipt and filing of the enclosures by date stamping the enclosed copy of this letter and returning it to our messenger.

Please do not hesitate to contact me with any questions you may have. Thank you for your attention to this matter.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Deborah M. Franco".

Deborah M. Franco

DMF:caj
Enclosures

cc: Stacy Peterson, Director (BPU Staff) (2 copies)
Stefanie A. Brand, Esq., Director (Division of Rate Counsel) (5 copies)
Patricia Krogman, Esq. (Department of Law) (2 copies)

**Elizabethtown Gas Company
2019 / 2020 BGSS Filing**

MINIMUM FILING REQUIREMENT (MFR) INDEX

<u>Minimum Filing Requirement</u>	<u>Schedule(s)</u>
1. Motion, Supporting Testimony & Tariff Modifications	Petition, Testimony, TK-12
2. Computation of Proposed BGSS Rates	LJW-1, LJW-3
3. Public Notice with Proposed Impact on Bills	Petition
4. Actual and Forecasted Refund Amounts	TK-3, LJW-9
5. Cost of Gas Sendout by Component	TK-2, TK-5, TK-7, LJW-2, LJW-4, LJW-6, LJW-7, LJW-10, LJW-11
6. BGSS Contribution and Credit Offsets	TK-3, TK-4, LJW-9, LJW-12
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14. Projected Supply and Demand Data with Design Peak Day	LJW-16
15. Actual Peak Day Supply and Demand	TK-10
16. Capacity Contract Changes	Testimony - L J Willey pgs. 23-25
17. FERC Pipeline Activities	LJW-15
18. Changes to Firm Transportation and Storage Contracts	LJW-17

INSERT TAB:
CASE SUMMARY

**STATE OF NEW JERSEY
BOARD OF PUBLIC UTILITIES**

-----X
In The Matter Of The Petition Of Elizabethtown : **Docket No. GR**
Gas Company To Review Its Periodic Basic Gas :
Supply Service Rate : **SUMMARY SHEET**
-----X

This Petition presents the request of Elizabethtown Gas Company (“Petitioner”) that the New Jersey Board of Public Utilities approve Petitioner's Periodic Basic Gas Supply Service (“BGSS-P”) charge, and grant such other and further relief as described in the Petition.

The Petition proposes to maintain the current rate of \$0.4691 per therm, inclusive of applicable taxes. As such, the bill of a residential customer using 100 therms will remain at \$95.17 based on rates in effect June 1, 2019.

**INSERT TAB:
PETITION AND NOTICE**

**STATE OF NEW JERSEY
BOARD OF PUBLIC UTILITIES**

-----X
In The Matter Of The Petition Of Elizabethtown : Docket No. GR
Gas Company To Review Its Periodic Basic Gas :
Supply Service Rate : PETITION
-----X

To The Honorable Board of Public Utilities:

Petitioner, Elizabethtown Gas Company (“Petitioner” or “Company”), a public utility corporation duly organized under the laws of the State of New Jersey subject to the jurisdiction of the Board of Public Utilities (“Board”), respectfully states:

1. Petitioner's principal business office is located at 520 Green Lane, Union, New Jersey, 07083.
2. Communications and correspondence concerning these proceedings should be sent as follows:

Deborah M. Franco, Esq.
Regulatory Affairs Counsel
Elizabethtown Gas Company
520 Green Lane
Union, New Jersey 07083
Tel No. (908) 662-8448
dfranco@sjindustries.com

3. Petitioner is engaged in the business of transmission and distribution of natural and mixed gas to approximately 295,000 customers in its service territory located principally in Hunterdon, Mercer, Middlesex, Morris, Sussex, Union and Warren Counties.

4. Pursuant to the terms of the Basic Gas Supply Service (“BGSS”) clause contained in Petitioner’s tariff as approved by the Board by Order dated March 30, 2001 in BPU Docket No. GX99030121 and GO99030122, and as modified by the Board by Orders dated December 7, 2001

in Docket No. GR01110771, *et al.*, November 22, 2002 in Docket No. GR02040245, January 6, 2003 in Docket No. GX01050304 and December 17, 2009 in Docket No. GR09030195, Petitioner proposes to decrease the current Periodic BGSS charge (“BGSS-P Charge”) and submits this filing to account for the actual and forecasted gas costs and BGSS rates for the twelve month period October 1, 2018 through September 30, 2019 (“Base BGSS Year”). The Base BGSS Year consists of actual data for the seven months ended April 30, 2019 and projected data for the period May 1, 2019 through September 30, 2019. In addition, presented in this filing is the forecast period October 1, 2019 through September 30, 2020 (“the BGSS Year”). The information and data contained in this Petition and in the supporting Exhibits and Schedules are intended to comply with the "Annual BGSS Minimum Filing Requirements" adopted by the Board by Order dated June 20, 2003 in Docket No. GR02120945, *et al* and revised by the Board by Order dated May 22, 2018 in Docket No. GR17060590, *et al.*

5. In accordance with the Board’s January 6, 2003 Order in Docket No. GX01050304 as amended with the Board’s December 17, 2009 Order in Docket No. GR09030195, Petitioner recovers gas costs from its residential, small commercial and gas light sales service classes through the BGSS-P rate. Petitioner recovers gas costs from its firm large commercial, industrial and electric generation customers through the assessment of the Monthly BGSS (“BGSS-M”) rate. Under Petitioner’s tariff, the BGSS-P rate consists of a gas cost component (“GCC-P”) and a capacity cost component (“CCC-P”) and is adjusted to reflect the projected beginning over or underrecovery balance from the prior period. The CCC-P established in this proceeding is also used to determine the monthly BGSS-M rate. However, BGSS-M rates are not established in this proceeding; they are established on a monthly basis.

6. Petitioner's calculations result in a rate of \$0.4773 per therm. However, the Company proposes to maintain its current BGSS-P rate of \$0.4691 per therm inclusive of all applicable taxes.

7. Petitioner projects that its recoverable gas costs at the calculated rate would be approximately \$1.8 million higher than the level recoverable through its current BGSS-P rate in the BGSS Year. The Petitioner is proposing to maintain its current CCC-P component of the BGSS-P rate, which is also used to establish BGSS-M rates. Petitioner projects that it will begin the BGSS Year with a gas cost underrecovery balance of approximately \$7.2 million.

8. As discussed by Company witness Leonard J. Willey, the calculated increase in the BGSS-P rate is due primarily to higher reservation and/or demand charges implemented by two inter-state pipeline companies that the Company contracts with for capacity. The increased costs resulting from the Section 4 rate proceedings are mostly offset by lower commodity gas costs related to market pricing, combined with credits to firm customers as a result of the outsourcing of Petitioner's gas supply and upstream capacity management to South Jersey Resources Group LLC ("SJRG") in accordance with the Board Order dated June 22, 2018 in BPU Docket No. GM17121309. Petitioner has taken all reasonable steps to reduce its gas costs and manage the volatility that has become characteristic of the natural gas commodity marketplace. As discussed by Company witness Willey, Petitioner's efforts to reduce costs and manage volatility have included, (a) continuing to implement its Gas Procurement Strategy and Plan on file with the Board, (b) maximizing benefits for firm customers through a capacity management and gas supply agreement with SJRG (as noted above) and (c) employing its gas storage resources to eliminate Petitioner's exposure to some of the volatility associated with winter price swings. Petitioner's

purchases of gas supply have been effectuated at prices consistent with market conditions as required by *N.J.S.A. 48:3-58(t)*.

9. Annexed hereto and made a part of this Petition is the testimony of Thomas Kaufmann, Manager of Rates and Tariffs for Petitioner, which Petitioner suggests be marked as Exhibit P-1. The schedules listed below are attached and referred to in Exhibit P-1, which Petitioner suggests be marked as indicated. Where noted, the following schedules contain information responsive to the BGSS Minimum Filing Requirements (“MFR”) set forth in the MFR Settlement:

(a) Schedules TK-1 to TK-11 present data for the BGSS year ending September 30, 2019 (these schedules provide data responsive to MFRs 4, 5, 6, 7, 10, 11, 12, 13, and 15) and;

(b) Schedule TK-12 sets forth the revised tariff sheet to implement the proposed rate (this schedule provides data responsive to MFR 1).

10. Also annexed hereto and made a part of this Petition is the testimony of Leonard J. Willey, Manager of Gas Supply, which Petitioner suggests be marked as Exhibit P-2. The schedules listed below are attached and referred to in Exhibit P-2, which Petitioner suggests be marked as indicated.

(a) Schedules LJW-1 through LJW-15 support the calculated BGSS-P rate and reflect projected data for the period October 1, 2019 through September 30, 2020 (these schedules provide data responsive to MFRs 2, 4, 5, 6, 7, 8, 11, 12 and 17); and

(b) Schedule LJW-16 presents historical and estimated supply and demand requirements with Design Peak Day for Petitioner for the period November 2016 through October 2021 (this schedule provides data responsive to MFR 14).

(c) Schedule LJW-17 presents changes to firm transportation and storage contracts (this schedule provides data responsive to MFR 18).

11. Petitioner is serving notice and a copy of this Petition, together with a copy of the exhibits and schedules annexed hereto upon Stefanie A. Brand, Esq., Division of Rate Counsel, 140 East Front Street, 4th Floor, Trenton, New Jersey, upon the attached service list and as outlined in *N.J.A.C. 14:1-5.12*. Petitioner is also serving this Petition electronically on Board Staff and employees of the Division of Rate Counsel. In accordance with MFR Number 3 and to expedite consideration of this matter, Petitioner is attaching as Appendix A, a form of public notice, setting forth the proposed impact on typical gas bills at various winter therm utilization levels. As discussed in the notice, and in accordance with the Board's January 6, 2003 Order in BPU Docket No. GX01050304, Petitioner's form of notice provides notice to the public that Petitioner may seek to implement provisional increases to the BGSS-P rate of up to 5% of a 100 therm residential total bill to be effective December 1, 2019 and February 1, 2020. Petitioner may submit such provisional increases if they are necessary to permit Petitioner to avoid a BGSS underrecovery balance at September 30, 2020.

WHEREFORE, Petitioner respectfully requests that the Board (1) accept Petitioner's filing to become effective as of October 1, 2019, (2) approve Petitioner's request to maintain its current BGSS-P rate of \$0.4691 per therm inclusive of all taxes, and (3) grant such other relief as the Board may deem just and proper.

Respectfully submitted,

Elizabethtown Gas Company



By: _____

Deborah M. Franco
Regulatory Affairs Counsel
Elizabethtown Gas Company
520 Green Lane
Union, New Jersey 07083
Ph: (908) 662-8448

Dated: May 31, 2019

**ELIZABETHTOWN GAS COMPANY
NOTICE OF PUBLIC HEARINGS**

TO OUR CUSTOMERS:

On May 31, 2019, Elizabethtown Gas Company ("the Company" or "Elizabethtown"), filed a Petition with the New Jersey Board of Public Utilities ("BPU" or "Board") in Docket No. GR_____ to review its Periodic Basic Gas Supply Service ("BGSS-P") rate. The Company has petitioned the BPU to maintain its current BGSS-P rate of \$0.4691 per therm, inclusive of applicable taxes. The proposed rates are subject to BPU approval and may be higher or lower depending on the Board's final determination and the date on which such rates are made effective. The overall percentage change in the affected rate schedule is as follows:

<u>Rate Schedule</u>	<u>Percentage Change</u>
Residential Service	0.0%

The effect of the Company's filing on typical residential gas bills is illustrated below:

<u>Consumption in Therms</u>	<u>Present Bill</u>	<u>Proposed Bill</u>	<u>Proposed Change</u>	<u>Percent Change</u>
10	\$16.89	\$16.89	\$0.00	0.0%
50	\$51.68	\$51.68	\$0.00	0.0%
100	\$95.17	\$95.17	\$0.00	0.0%
250	\$225.64	\$225.64	\$0.00	0.0%

These proposed rates may be subject to a self-implementing rate increase of up to 5% on December 1, 2019 and another 5% increase on February 1, 2020, upon 30 days written notice by Elizabethtown to the BPU and the Division of Rate Counsel. Should it become necessary to apply the self-implementing increase, the impact of this increase on December 1st on a typical residential customer using 100 therms per month would be an incremental increase of \$4.76, increasing the proposed bill from \$95.17 to \$99.93. Should it become necessary to apply a second self-implementing increase on February 1st, the incremental increase to a typical residential customer using 100 therms per month would be \$5.00, increasing the proposed bill from \$99.93 to \$104.93. Any assistance required by Customers in ascertaining the impact of the proposed rate increase will be provided by the Company on request.

The Board has the statutory authority to establish Elizabethtown's rates at levels it finds just and reasonable as well as to establish the effective date of such rates. Therefore, the BPU may establish the rates at levels and/or an effective date other than those proposed by Elizabethtown.

Copies of the Petition are available for inspection at the Company offices located at 520 Green Lane, Union, New Jersey, online at Elizabethtown's website: www.elizabethtowngas.com/rates-and-tariff, under regulatory information, and at the Board of Public Utilities, 44 South Clinton Avenue, 7th Floor, Trenton, New Jersey.

PLEASE TAKE NOTICE that Public Hearings have been scheduled on the above mentioned Petition at the following times and places:

_____, 2019
Hunterdon County Complex, Route 12, Building #1, Flemington, New Jersey 08822

_____, 2019
Liberty Hall Corporate Center, 1085 Morris Avenue, Union, New Jersey 07083

The public is invited to attend and interested persons will be permitted to make a statement of their views on the proposed rates. Information provided at the public hearings will become part of the record of this case and will be considered by the Board in making its decision. In order to encourage full participation in this opportunity for public comment, please submit requests for needed accommodations, including interpreter, listening devices and/or mobility assistance, 48 hours prior to these hearings. In addition, members of the public may submit written comments concerning the petition to the BPU regardless of whether they attend the hearing by addressing them to: Office of the Secretary, Board of Public Utilities, 44 South Clinton Avenue, 3rd Floor, Suite 314, P.O. Box 350, Trenton, New Jersey 08625-0350. Hearings will continue, if necessary, on such additional dates and at such locations as the Board or the Office of Administrative Law may designate in order to ensure that all interested persons may be heard.


**Elizabethtown Gas Company
Christie McMullen – President and Chief Operating Officer**

STATE OF NEW JERSEY)
 : ss:
COUNTY OF UNION)

Thomas Kaufmann, being duly sworn according to law, deposes and says:

1. I am Manager of Rates and Tariffs of the Petitioner in the foregoing Petition and I am authorized to make this Affidavit on behalf of the Petitioner.

2. The statements made in the foregoing Petition and the Exhibits and Schedules submitted therewith correctly portray the information set forth therein, to the best of my knowledge, information and belief.


Thomas Kaufmann
Manager, Rates and Tariffs

Sworn to and subscribed to before me this 28th day of May, 2019.



Jane James
Notary Public
My Commission Expires Dec. 20, 2021

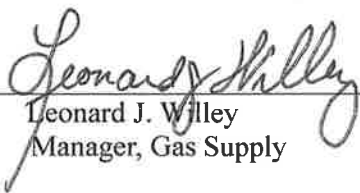
STATE OF NEW JERSEY)
 :
COUNTY OF UNION)

ss:

Leonard J. Willey, being duly sworn according to law, upon his oath, deposes and says:

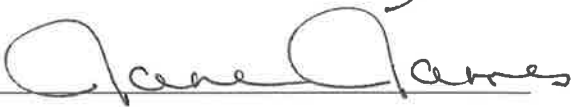
1. I am Manager of Gas Supply of the Petitioner in the foregoing Petition, and I am authorized to make this Affidavit on behalf of the Petitioner.

2. The statements made in the foregoing Petition and the Exhibits and Schedules submitted therewith correctly portray the information set forth therein, to the best of my knowledge, information and belief.



Leonard J. Willey
Manager, Gas Supply

Sworn to and subscribed to before me this 28th day of May, 2019.



Jane James
Notary Public
My Commission Expires Dec. 20, 2021

INSERT TAB:
THOMAS KAUFMANN

**ELIZABETHTOWN GAS COMPANY
DIRECT TESTIMONY OF
THOMAS KAUFMANN**

1 **Q. PLEASE STATE YOUR NAME AND BUSINESS ADDRESS.**

2 **A.** My name is Thomas Kaufmann. My business address is 520
3 Green Lane, Union, New Jersey 07083.

4 **Q. BY WHOM ARE YOU EMPLOYED AND IN WHAT CAPACITY?**

5 **A.** I am employed by Elizabethtown Gas Company
6 ("Elizabethtown" or "Company") as Manager of Rates and
7 Tariffs.

8 **Q. WHAT IS THE SCOPE OF YOUR DUTIES AT ELIZABETHTOWN?**

9 **A.** I am responsible for designing and developing rates and
10 rate schedules for regulatory filings with the New Jersey
11 Board of Public Utilities ("Board") and internal
12 management purposes. I also oversee daily rate department
13 functions, including tariff administration, monthly
14 parity pricing, competitive analyses and preparation of
15 management reports.

16 **Q. PLEASE DESCRIBE YOUR PROFESSIONAL QUALIFICATIONS AND**
17 **BUSINESS EXPERIENCE.**

18 **A.** In June 1977, I graduated from Rutgers University,
19 Newark, N.J. with a Bachelor of Arts degree in Business
20 Administration, majoring in accounting and economics. In
21 July 1979, I graduated from Fairleigh Dickinson

1 University, Madison, N.J. with a Masters of Business
2 Administration, majoring in finance.

3 My professional responsibilities have encompassed
4 financial analysis, accounting, planning, and pricing in
5 manufacturing and energy services companies in both
6 regulated and unregulated industries. In 1977, I was
7 employed by Allied Chemical Corp. as a staff accountant.
8 In 1980, I was employed by Celanese Corp. as a financial
9 analyst. In 1981, I was employed by Suburban Propane as
10 a Strategic Planning Analyst, promoted to Manager of Rates
11 and Pricing in 1986 and to Director of Acquisitions and
12 Business Analysis in 1990. In 1993, I was employed by
13 Concurrent Computer as a Manager, Pricing Administration.
14 In 1996, I joined NUI Utilities Inc., now part of South
15 Jersey Industries, Inc. ("SJI"), as a Rate Analyst, was
16 promoted to Manager of Regulatory Support in August 1997,
17 Manager of Regulatory Affairs in February 1998, and named
18 Manager of Rates and Tariffs in July 1998.

19 **Q. WHAT IS THE PURPOSE OF YOUR TESTIMONY?**

20 **A.** In connection with the Company's petition to review its
21 Periodic Basic Gas Supply Service ("BGSS-P") charge, the
22 purpose of my testimony is to support the annual
23 reconciliation of gas costs and recoveries for the period

1 October 1, 2018 through September 30, 2019 ("Base BGSS
2 Year").

3 **Q. DO YOU SPONSOR ANY SCHEDULES AS PART OF YOUR TESTIMONY?**

4 **A.** Yes. My testimony includes the following schedules which
5 were prepared under my supervision and direction:
6 Schedules TK-1 to TK-11 present data for the Base BGSS
7 Year. These schedules contain information responsive to
8 a number of the Minimum Filing Requirements ("MFRs") that
9 were required by the Board by Order dated June 20, 2003
10 in Docket Nos. GR02120945 et al and revised by the Board
11 by Order dated May 22, 2018 in Docket No. GR17060590, et
12 al. Specifically, they provide information responsive to
13 MFRs 4, 5, 6, 7, 10, 11, 12, 13, and 15. Schedule TK-12
14 is the tariff sheet necessary to implement the proposed
15 BGSS-P rate.

16 **Q. WHAT ARE THE RESULTS FOR THE BGSS YEAR ENDING
17 SEPTEMBER 30, 2019?**

18 **A.** Schedules TK-1 through TK-7 present the actual and
19 projected data that support the results for the Base BGSS
20 Year ending September 30, 2019. Based on actual data
21 through April 2019 and projections for the period May 2019
22 through September 2019, the Company projects that the BGSS
23 clause will be under-recovered by \$7,249,823 as of
24 September 30, 2019.

1 Q. HOW WERE THE PROJECTIONS FOR THE PERIOD MAY THROUGH
2 SEPTEMBER 2019 DEVELOPED?

3 A. The prices for gas were developed employing the same
4 methodology described by Company Witness Leonard J.
5 Willey for the projected BGSS period - October 1, 2018
6 through September 30, 2019. The purchase quantities
7 reflect the projected sales requirements based upon
8 normal 10-year weather and planned storage injections in
9 preparation for the 2018-2019 winter. Gas cost recoveries
10 were projected by applying the current BGSS rate,
11 excluding taxes, to the projected level of firm sales that
12 will be subject to the BGSS-P rate. For firm commercial
13 sales subject to the Monthly Basic Gas Supply Service
14 ("BGSS-M") rate, gas cost recoveries were developed using
15 a projection of the BGSS-M rates based on the forecast of
16 gas prices. Other gas cost recoveries and credits to gas
17 costs were projected in the same manner as set forth in
18 the projected BGSS period. Mr. Willey discusses the
19 Company's sales forecast in his testimony.

20 Q. PLEASE EXPLAIN SCHEDULE TK-1.

21 A. Schedule TK-1 is a reconciliation of gas costs and
22 recoveries for the period October 1, 2018 through September
23 30, 2019.

1 Schedule TK-1 is presented in three sections: 1)
2 recoverable costs, 2) gas cost recoveries, and 3) the
3 difference between these amounts, which represents the over
4 or under recovery of gas costs.

5 Recoverable costs are the costs of the gas delivered
6 less supplier refunds, credits and other adjustments.

7 Gas cost recoveries represent the cost of gas that
8 the Company has recovered through firm and non-firm sales.
9 Firm recoveries are broken down among recoveries from
10 monthly and periodic firm sales. If the gas cost
11 recoveries are greater than the recoverable costs the
12 Company has incurred, the Company is over-recovered.
13 Conversely, if the gas cost recoveries are less than the
14 recoverable costs, the Company is under-recovered. The
15 elements of Schedule TK-1 are explained in more detail
16 below.

17 Recoverable Costs

18 This section presents the components of net
19 recoverable costs that the Company has incurred. Column 1
20 presents the gas sendout, in dollars, for each month. These
21 amounts, as detailed in Schedule TK-2, represent the dollar
22 value of gas that flowed into the Company's distribution
23 system during the months indicated.

1 Column 2 of TK-1 presents refunds received from
2 suppliers, capacity release credits, and other credits and
3 charges.

4 Refunds from suppliers are generally made as a result
5 of actions taken by the Federal Energy Regulatory
6 Commission ("FERC"). The detail of these amounts, including
7 related FERC docket numbers, are listed on Schedule TK-3.

8 Capacity release credits to the BGSS-P are detailed
9 on Schedule TK-4.

10 Also included in Column 2 of TK-1 are amounts
11 associated with credits received by the Company under the
12 terms of the Asset Management and Agency Agreement with
13 South Jersey Resources Group LLC ("SJRG"). The agreement
14 with SJRG is described more fully by Mr. Willey. Under
15 the agreement, the Company has designated SJRG as its
16 agent to manage its capacity. In addition to certain
17 credits being realized by the Company under long-term
18 capacity release agreements, Elizabethtown receives a
19 negotiated fee from SJRG as compensation for permitting
20 the supplier to act as its asset manager and gas supplier.
21 The amounts in Column 2 of Schedule TK-1 reflect asset
22 management fee credits received and/or projected to be
23 received from SJRG during the period October 1, 2018
24 through September 30, 2019.

1 Column 3 of Schedule TK-1 presents the monthly totals
2 of net recoverable costs which are equal to gas sendout
3 (Column 1) less supplier refunds, credits and other
4 adjustments of recoverable costs (Column 2).

5 Gas Cost Recoveries

6 Columns 4 through 8 on Schedule TK-1 present the
7 recoveries from customers of the Company's recoverable gas
8 costs during the Base BGSS Year, as shown in more detail
9 on Schedule TK-5.

10 Column 4 presents recoveries of gas costs from sales
11 to residential and small commercial customers that are
12 subject to the BGSS-P rate. Column 5 presents recoveries
13 of gas costs from sales to the Company's larger commercial
14 customers who are subject to the BGSS-M rate. Column 6
15 presents the monthly totals of the gas cost recoveries from
16 firm sales. Column 7 presents recoveries of gas costs from
17 sales to non-firm customers. Column 8 presents the monthly
18 totals of the gas cost recoveries from firm and non-firm
19 sales.

20 (Over) Under Recovery

21 Schedule TK-1, Column 9, presents the monthly (over)
22 or under-recovery of gas costs, which is the difference
23 between net recoverable costs (Column 3) and total gas cost
24 recoveries (Column 8). Column 10 is the accumulation of

1 the monthly amounts from Column 9 added to the preceding
2 month's cumulative balance. The October 1, 2018 beginning
3 balance of \$3,394,153 is the carry-forward balance of the
4 actual over-recovery of gas costs during the BGSS period
5 October 1, 2017 through September 30, 2018. The carry
6 forward balance also includes interest due customers for
7 the period, if any, from overrecovered balances. Interest
8 in the amount of \$3,888 was due customers for the BGSS
9 period ending September 30, 2018. During the BGSS Base
10 Year, the Company is projecting that interest will not be
11 due to customers as shown on Schedule TK-6, which is more
12 fully discussed below.

13 **Q. PLEASE EXPLAIN SCHEDULE TK-2.**

14 **A.** Schedule TK-2 is a statement of combined gas sendout for
15 the period October 1, 2018 projected through September 30,
16 2019. This schedule supports the amounts shown in Column
17 1 of Schedule TK-1.

18 Columns 1 and 2 of Schedule TK-2 page 1 reflect the
19 monthly total quantity and cost, respectively, of gas and
20 fuel purchased (natural gas and liquefied natural gas) in
21 the periods indicated. Column 1 shows the quantities
22 purchased in dekatherms. Column 3 shows the average rate.

23 Columns 4, 5 and 6 of Schedule TK-2 page 1 show the
24 adjustment to the prior month's ending inventory balance,

1 the total inventory at the beginning of each month, and
2 the total at the end of each month, respectively, all in
3 dekatherms. Column 9 reflects the quantities of gas sendout
4 in dekatherms and is calculated by adding the purchases
5 for the month (Column 1) to the adjusted beginning
6 inventory balance (Column 5) and subtracting the ending
7 inventory balance (Column 6). The adjustment to the
8 beginning inventory (Column 4) is then added or subtracted
9 from this calculated amount, as it is also included in the
10 ending inventory balance. The result represents the gas
11 sendout quantity for the month.

12 **Q. HOW IS THE DOLLAR AMOUNT OF SENDOUT CALCULATED?**

13 **A.** For each type of inventory, (natural gas, propane and LNG),
14 an average monthly relief rate is applied to the total of
15 the withdrawal volumes to arrive at the sendout dollars.
16 The balances and activity in each of these types of storage
17 are detailed in Schedule TK-7. The dollar amount presented
18 in Column 10 of Schedule TK-2 page 1 includes the cost of
19 sendout for all inventory withdrawals, demand costs and
20 the cost of gas and fuel delivered directly to the city
21 gate.

22 Schedule TK-2 page 1, Column 11, presents the
23 composite average monthly rate. It is computed by dividing

1 the total dollars of sendout in Column 10 by the total
2 volumes of gas sendout (Column 9).

3 **Q. PLEASE EXPLAIN SCHEDULE TK-6.**

4 **A.** Schedule TK-6 is a computation of interest on the
5 cumulative over or under-recovery for the period October
6 1, 2018 through September 30, 2019. Interest on the
7 cumulative over or under-recovery was computed on the
8 average of the beginning and ending balances for each
9 month, using a rate equivalent to one-twelfth of
10 Elizabethtown's authorized annual rate of return of
11 6.707% from July 1, 2017 forward. The cumulative over or
12 under-recovery amounts used in these calculations are
13 from Schedule TK-1, Column 10. The schedule shows a
14 projected interest amount of \$214,341 due the Company.
15 Since the Company is not entitled to collect interest on
16 BGSS balances, no interest will be charged or credited
17 for this period.

18 **Q. HAS THE COMPANY INCLUDED THE AMOUNT OF INTEREST SET FORTH**
19 **ON SCHEDULE TK-6 IN THE DERIVATION OF THE PROPOSED BGSS-**
20 **P RATE?**

21 **A.** No. As noted above, the Company is not entitled to collect
22 interest on BGSS-P balances; therefore, we have not
23 included the interest set forth on Schedule TK-6 in the
24 derivation of the BGSS-P rate.

1 Q. HAS THE COMPANY CONDUCTED ANY GAS SUPPLY OR CAPACITY
2 TRANSACTIONS WITH AFFILIATES DURING THE BASE BGSS YEAR?

3 A. Yes. As I noted previously, the Company entered into a
4 gas supply and asset management agreement with SJRG. As
5 discussed by Mr. Willey, the agreement with SJRG permits
6 Elizabethtown to purchase firm gas supply requirements at
7 prices consistent with market conditions. The Company's
8 net purchases from SJRG are set forth on Schedule TK-8.

9 Q. WHAT HEDGING OR PRICE PROTECTION HAS THE COMPANY DONE IN
10 THE BASE BGSS YEAR?

11 A. For the Base BGSS Year, the Company, under its Gas
12 Procurement Strategy & Plan ("GPS&P"), has price-
13 protected 12,610,000 Dth. Mr. Willey discusses the GPS&P
14 in greater detail. Schedule TK-11 presents the breakout
15 of this price-protected quantity. The schedule also
16 presents the projected normal firm requirements that
17 underlie the targets set out in the GPS&P.

18 Q. DOES THE COMPANY INCLUDE ANY COSTS ASSOCIATED WITH THE
19 USE OF FINANCIAL INSTRUMENTS TO REDUCE PRICE VOLATILITY
20 IN RECOVERABLE COSTS IN THE BGSS?

21 A. Yes. In accordance with its tariff, the Company includes
22 any transaction costs associated with its hedging
23 activities in its gas purchase costs in the BGSS.

1 Q. HAS THE COMPANY IMPLEMENTED ANY SERVICE INTERRUPTIONS
2 OVER THE LAST 12 MONTHS?

3 A. Yes. This past year, the Company implemented
4 interruptions of service to interruptible gas sales
5 customers. The interruptions in service were in
6 accordance with tariff provisions and contractual terms.
7 The interruptions were necessary to meet operational
8 parameters for providing safe and adequate service to firm
9 gas sales customers. Schedule TK-9 sets forth the customer
10 classes interrupted, number of customers interrupted,
11 dates of interruption and reason for interruption. During
12 the past year, interruptible gas sales customers were
13 interrupted during January and February 2019 for 14 days.
14 Customers subject to peaking recall contracts are
15 interrupted as necessary, within the parameters set forth
16 in the respective contracts, to meet high demand for gas
17 by the Company's distribution customers.

18 Q. PLEASE DESCRIBE SCHEDULE TK-10.

19 A. Schedule TK-10 sets forth the supply/demand balance on
20 the five days in which the largest throughput was
21 experienced in Elizabethtown's system during each of the
22 last three winters.

23

1 TARIFF SHEETS

2 Q. WHAT CHANGES TO THE COMPANY'S TARIFF ARE REQUIRED BY THE
3 COMPANY'S FILING?

4 A. The Company is proposing to maintain its current rate of
5 \$0.4691 per therm inclusive of taxes as shown on tariff
6 Schedule TK-12.

7 Q. WHAT IS THE OVERALL IMPACT OF THE PROPOSED BGSS-P RATE ON
8 A RESIDENTIAL CUSTOMER CONSUMING 100 THERMS PER MONTH?

9 A. Given the Company is proposing to maintain its current
10 rate, there is no impact on residential customer bills.

11 Q. IS THE COMPANY RESERVING THE RIGHT TO INCREASE RATES LATER
12 IN THIS BGSS YEAR?

13 A. Yes. Although the Company does not project that it will
14 need to increase its BGSS-P rate during the BGSS period,
15 the Company reserves the right, in accordance with its
16 tariff, to seek to implement increases to the BGSS-P rate
17 of up to 5% of a 100 therm residential total bill in
18 December 2019 and February 2020, respectively.

19 Q. WHAT IS THE OVERALL IMPACT ON A RESIDENTIAL CUSTOMER
20 CONSUMING 100 THERMS PER MONTH IF THE TWO PERIODIC
21 ADJUSTMENTS FOR DECEMBER AND FEBRUARY WERE IMPLEMENTED AT
22 THEIR MAXIMUM LEVELS?

23 A. The proposed incremental increase to the BGSS-P charge
24 from two such periodic adjustments implemented at the

1 maximum 5% allowed levels in December and February would
2 be \$0.0976 per therm. These changes would increase the
3 monthly bill for a residential customer consuming 100
4 therms by \$9.76 from that proposed for October 1st.

5 **Q. DOES THIS CONCLUDE YOUR TESTIMONY?**

6 **A.** Yes, it does.

Elizabethtown Gas Company
Statement of Annual Reconciliation of Gas Costs and Recoveries
For the Period October 1, 2018 through September 30, 2019

Period	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
	Recoverable Costs			Gas Cost Recoveries				(Over) Under Recovery		
	Gas Sendout	Less Supplier Refunds, Credits & Other (a)	Net Recoverable Costs (C.1-2)	From Firm Sales			From Non Firm Sales	Total Recoveries (C. 6+7)	Monthly (Over)Under Recovery (C. 3-8)	Cumulative (Over) Under Recovery
					Periodic	Monthly	Total			
Over-recovery at October 1, 2018										(\$3,394,153) (b)
Oct-18	\$8,906,137	\$33,640	\$8,872,497	\$2,756,402	\$913,860	\$3,670,262	\$114	\$3,670,376	\$5,202,121	\$1,807,968
Nov-18	\$18,391,223	\$33,640	\$18,357,583	\$8,194,056	\$2,513,878	\$10,707,934	\$48	\$10,707,982	\$7,649,601	\$9,457,569
Dec-18	\$20,115,022	\$1,096,392	\$19,018,630	\$14,769,728	\$4,906,836	\$19,676,564	\$2,322	\$19,678,886	(\$660,256)	\$8,797,313
Jan-19	\$26,493,748	\$33,892	\$26,459,856	\$16,399,118	\$5,627,180	\$22,026,298	\$3,581	\$22,029,879	\$4,429,977	\$13,227,290
Feb-19	\$21,040,363	\$33,892	\$21,006,471	\$20,380,958	\$5,656,306	\$26,037,264	\$3,138	\$26,040,402	(\$5,033,931)	\$8,193,359
Mar-19	\$18,540,464	\$4,498,432	\$14,042,032	\$18,357,155	\$4,456,910	\$22,814,065	\$2,372	\$22,816,437	(\$8,774,405)	(\$581,046)
Apr-19	\$9,052,339	\$36,139	\$9,016,200	\$11,331,818	\$2,380,970	\$13,712,788	\$1,999	\$13,714,787	(\$4,698,587)	(\$5,279,633)
May-19 *	\$6,591,022	\$36,751	\$6,554,271	\$4,393,560	\$1,457,069	\$5,850,629	\$44	\$5,850,673	\$703,598	(\$4,576,035)
Jun-19 *	\$6,271,757	\$1,098,066	\$5,173,691	\$1,798,958	\$771,404	\$2,570,362	\$44	\$2,570,406	\$2,603,285	(\$1,972,750)
Jul-19 *	\$6,332,162	\$36,751	\$6,295,411	\$1,774,979	\$789,450	\$2,564,429	\$44	\$2,564,473	\$3,730,938	\$1,758,188
Aug-19 *	\$6,436,749	\$36,751	\$6,399,998	\$1,771,899	\$795,562	\$2,567,461	\$45	\$2,567,506	\$3,832,492	\$5,590,680
Sep-19 *	\$6,352,706	\$2,131,757	\$4,220,949	\$1,772,163	\$789,598	\$2,561,761	\$45	\$2,561,806	\$1,659,143	\$7,249,823
	<u>\$154,523,692</u>	<u>\$9,106,103</u>	<u>\$145,417,589</u>	<u>\$103,700,794</u>	<u>\$31,059,023</u>	<u>\$134,759,817</u>	<u>\$13,796</u>	<u>\$134,773,613</u>	<u>\$10,643,976</u>	
								Interest Expense (Sch TK-6)		\$0
								Opening Balance, Sch LJW-3		<u>\$7,249,823</u>

* Forecast

(a) Includes energy management fees, as well as actual shared margins, if any, received in May but reflected in March and a September estimate.

(b) Represents opening balance as of September 30th including \$3,888 credit from interest due to customers as well as any shared margins received in October but reflected in September.

Elizabethtown Gas Company
Statement of Combined Gas Sendout
For the Period October 1, 2018 through September 30, 2019

	(1)	(2)	(3=2/1)	(4)	(5)	(6)	(7)	(8=7/6)	(9)	(10)	(11=10/9)
Period	Purchases			Inventory (Dth's)					Sendout		
	Dth's	Amount	Average Rate	Adjustment	Adjusted Beginning	Ending	Ending Amount	Average Rate	Dth's	Amount	Average Rate
Beginning Inventory						8,070,410	\$21,326,276	\$2.6425			
Oct-18	3,119,493	\$12,196,612	\$3.9098	(289)	8,070,121	9,260,943	\$24,616,751	\$2.6581	1,928,960	\$8,906,137	\$4.61707
Nov-18	3,096,739	\$17,069,419	\$5.5121	(347)	9,260,596	8,415,305	\$23,294,947	\$2.7682	3,942,377	\$18,391,223	\$4.66501
Dec-18	3,369,549	\$15,953,066	\$4.7345	(19,501)	8,395,804	6,780,553	\$19,132,991	\$2.8217	5,004,301	\$20,115,022	\$4.01955
Jan-19	4,726,923	\$20,594,011	\$4.3567	(9,218)	6,771,335	4,731,242	\$13,233,254	\$2.7970	6,776,234	\$26,493,748	\$3.90980
Feb-19	3,925,626	\$16,023,512	\$4.0818	(8,026)	4,723,216	2,855,641	\$8,216,403	\$2.8773	5,801,227	\$21,040,363	\$3.62688
Mar-19	3,450,066	\$15,075,476	\$4.3696	(3,160)	2,852,481	1,593,849	\$4,751,415	\$2.9811	4,711,858	\$18,540,464	\$3.93485
Apr-19	2,458,301	\$10,864,647	\$4.4196	(12,781)	1,581,068	2,316,874	\$6,563,723	\$2.8330	1,735,276	\$9,052,339	\$5.21666
May-19 *	2,080,521	\$8,621,759	\$4.1440	-	2,316,874	3,425,866	\$8,594,460	\$2.5087	971,529	\$6,591,022	\$6.78417
Jun-19 *	1,697,802	\$8,349,254	\$4.9177	-	3,425,866	4,526,752	\$10,671,957	\$2.3575	596,916	\$6,271,757	\$10.50693
Jul-19 *	1,786,622	\$8,267,524	\$4.6275	-	4,526,752	5,663,934	\$12,607,319	\$2.2259	649,440	\$6,332,162	\$9.75019
Aug-19 *	1,837,044	\$8,499,467	\$4.6267	-	5,663,934	6,800,981	\$14,670,037	\$2.1570	699,997	\$6,436,749	\$9.19540
Sep-19 *	1,839,944	\$8,389,085	\$4.5594	-	6,800,981	7,927,902	\$16,706,416	\$2.1073	713,023	\$6,352,706	\$8.90954
	<u>33,388,630</u>	<u>\$149,903,832</u>		<u>(53,322)</u>					<u>33,531,138</u>	<u>\$154,523,692</u>	

* Forecast

Elizabethtown Gas Company
Statement of Combined Gas Sendout
For the Period October 1, 2018 through September 30, 2019

	(1)	(2)	(3)	(4=3/1)	(5)	(6)	(7)	(8=7/5)
	Purchases				Sendout			
Period	Dth's	Demand	Commodity	Average Commodity Rate \$/dth	Dth's	Demand	Commodity	Average Commodity Rate \$/dth
Oct-18	3,119,493	\$3,933,242	\$8,263,370	\$2.6489	1,928,960	\$3,933,242	\$4,972,895	\$2.5780
Nov-18	3,096,739	\$4,001,042	\$13,068,377	\$4.2200	3,942,377	\$4,001,042	\$14,390,181	\$3.6501
Dec-18	3,369,549	\$4,700,620	\$11,252,446	\$3.3395	5,004,301	\$4,700,620	\$15,414,402	\$3.0802
Jan-19	4,726,923	\$4,198,805	\$16,395,206	\$3.4685	6,776,234	\$4,198,805	\$22,294,943	\$3.2902
Feb-19	3,925,626	\$4,883,280	\$11,140,232	\$2.8378	5,801,227	\$4,883,280	\$16,157,083	\$2.7851
Mar-19	3,450,066	\$4,454,216	\$10,621,260	\$3.0786	4,711,858	\$4,454,216	\$14,086,248	\$2.9895
Apr-19	2,458,301	\$4,957,338	\$5,907,309	\$2.4030	1,735,276	\$4,957,338	\$4,095,001	\$2.3599
May-19 *	2,080,521	\$4,619,000	\$4,002,759	\$1.9239	960,070	\$4,619,000	\$1,972,022	\$2.0540
Jun-19 *	1,697,802	\$5,017,248	\$3,332,006	\$1.9625	597,442	\$5,017,248	\$1,254,509	\$2.0998
Jul-19 *	1,786,622	\$5,111,610	\$3,155,914	\$1.7664	649,187	\$5,111,610	\$1,220,552	\$1.8801
Aug-19 *	1,837,044	\$5,110,378	\$3,389,089	\$1.8449	645,794	\$5,110,378	\$1,326,371	\$2.0539
Sep-19 *	1,839,944	\$5,017,248	\$3,371,837	\$1.8326	684,629	\$5,017,248	\$1,335,458	\$1.9506
	<u>33,388,630</u>	<u>\$56,004,027</u>	<u>\$93,899,805</u>	<u>\$2.8123</u>	<u>33,437,355</u>	<u>\$56,004,027</u>	<u>\$98,519,665</u>	<u>\$2.9464</u>

* Forecast

**Elizabethtown Gas Company
Supplier Refunds
For the Period October 1, 2018 through September 30, 2019**

<u>Period</u>	<u>Suppliers</u>	<u>Docket Number</u>	<u>Refund Amounts</u>	<u>Total</u>
Oct-18			\$0	\$0
Nov-18			\$0	\$0
Dec-18			\$0	\$0
Jan-19			\$0	\$0
Feb-19			\$0	\$0
Mar-19			\$0	\$0
Apr-19			\$0	\$0
May-19	*		\$0	\$0
Jun-19	*		\$0	\$0
Jul-19	*		\$0	\$0
Aug-19	*		\$0	\$0
Sep-19	*		\$0	\$0
			Total	<u><u>\$0</u></u>

* Forecast

Schedule TK-4

**Elizabethtown Gas Company
Capacity Release Credits
For the Period October 1, 2018 through September 30, 2019**

<u>Period</u>	<u>Capacity Release</u>			
	<u>Volumes Dths</u>	<u>Average Rate</u>	<u>Total Amount</u>	<u>Credit To BGSS</u>
Oct-18	195,145	\$0.2028	\$39,577	\$33,640
Nov-18	188,850	\$0.2096	\$39,577	\$33,640
Dec-18	195,145	\$0.2043	\$39,873	\$33,892
Jan-19	195,145	\$0.2043	\$39,873	\$33,892
Feb-19	176,260	\$0.2262	\$39,873	\$33,892
Mar-19	195,145	\$0.2305	\$44,983	\$38,236
Apr-19	188,850	\$0.2251	\$42,516	\$36,139
May-19	195,145	\$0.2216	\$43,236	\$36,751
Jun-19	188,850	\$0.2216	\$41,842	\$35,566
Jul-19	195,145	\$0.2216	\$43,236	\$36,751
Aug-19	195,145	\$0.2216	\$43,236	\$36,751
Sep-19	188,850	\$0.2216	\$41,842	\$35,566
	<u>2,297,675</u>	<u>\$0.2175</u>	<u>\$499,664</u>	<u>\$424,716</u>

* Forecast

Elizabethtown Gas Company
Gas Costs Recovered Through Sales
For the Period October 1, 2018 through September 30, 2019

Period	Firm						
	Periodic		Monthly		Total		
	<u>Dth</u>	<u>\$</u>	<u>Dth</u>	<u>\$</u>	<u>Dth</u>	<u>\$</u>	
Oct-18	671,599	\$2,756,402	199,594	\$913,860	871,193	\$3,670,262	
Nov-18	2,062,787	\$8,194,056	536,928	\$2,513,878	2,599,715	\$10,707,934	
Dec-18	3,719,174	\$14,769,728	863,820	\$4,906,836	4,582,994	\$19,676,564	
Jan-19	4,128,737	\$16,399,118	971,661	\$5,627,180	5,100,398	\$22,026,298	
Feb-19	4,928,869	\$20,380,958	1,138,973	\$5,656,306	6,067,842	\$26,037,264	
Mar-19	4,178,362	\$18,357,155	980,873	\$4,456,910	5,159,235	\$22,814,065	
Apr-19	2,571,677	\$11,331,818	541,909	\$2,380,970	3,113,586	\$13,712,788	
May-19	*	998,600	\$4,393,560	342,840	\$1,457,069	1,341,440	\$5,850,629
Jun-19	*	408,880	\$1,798,958	180,277	\$771,404	589,157	\$2,570,362
Jul-19	*	403,430	\$1,774,979	182,912	\$789,450	586,342	\$2,564,429
Aug-19	*	402,730	\$1,771,899	183,436	\$795,562	586,166	\$2,567,461
Sep-19	*	402,790	\$1,772,163	182,145	\$789,598	584,935	\$2,561,761
TOTAL	<u>24,877,635</u>	<u>\$103,700,794</u>	<u>6,305,368</u>	<u>\$31,059,023</u>	<u>31,183,003</u>	<u>\$134,759,817</u>	

* Forecast

Elizabethtown Gas Company
Gas Costs Recovered Through Sales
For the Period October 1, 2018 through September 30, 2019

Period	Non-Firm								Total Amount Credited To BGSS
	IS		CS		CSI		Total		
	Dth	\$	Dth	\$	Dth	\$	Dth	\$	
Oct-18	-	\$0	-	\$0	25	\$114	25	\$114	\$3,670,376
Nov-18	9	\$43	-	\$0	1	\$5	10	\$48	\$10,707,982
Dec-18	460	\$2,261	-	\$0	11	\$61	471	\$2,322	\$19,678,886
Jan-19	562	\$3,550	-	\$0	5	\$31	567	\$3,581	\$22,029,879
Feb-19	570	\$3,012	-	\$0	25	\$126	595	\$3,138	\$26,040,402
Mar-19	516	\$2,306	-	\$0	15	\$66	531	\$2,372	\$22,816,437
Apr-19	442	\$1,980	-	\$0	4	\$19	446	\$1,999	\$13,714,787
May-19 *	0	\$0	-	\$0	10	\$44	10	\$44	\$5,850,673
Jun-19 *	0	\$0	-	\$0	10	\$44	10	\$44	\$2,570,406
Jul-19 *	0	\$0	-	\$0	10	\$44	10	\$44	\$2,564,473
Aug-19 *	0	\$0	-	\$0	10	\$45	10	\$45	\$2,567,506
Sep-19 *	0	\$0	-	\$0	10	\$45	10	\$45	\$2,561,806
TOTAL	2,559	\$13,152	-	\$0	136	\$644	2,695	\$13,796	\$134,773,613

* Forecast

(a) The recovery dollars include sales under special contract.

Elizabethtown Gas Company
Computation of Interest on Cumulative (Over) Under Recovery
For the Period October 1, 2018 through September 30, 2019

Period	Beginning	Ending	Average Balance	Monthly Interest Rate (a)	Computed Interest (Expense)	Cumulative Computed Interest (Expense)
Oct-18	(\$3,394,153)	\$1,807,968	(\$793,093)	0.5589%	(\$4,433)	(\$4,433)
Nov-18	\$1,807,968	\$9,457,569	\$5,632,769	0.5589%	\$31,482	\$27,049
Dec-18	\$9,457,569	\$8,797,313	\$9,127,441	0.5589%	\$51,013	\$78,062
Jan-19	\$8,797,313	\$13,227,290	\$11,012,302	0.5589%	\$61,548	\$139,610
Feb-19	\$13,227,290	\$8,193,359	\$10,710,325	0.5589%	\$59,860	\$199,470
Mar-19	\$8,193,359	(\$581,046)	\$3,806,157	0.5589%	\$21,273	\$220,743
Apr-19	(\$581,046)	(\$5,279,633)	(\$2,930,340)	0.5589%	(\$16,378)	\$204,365
May-19 *	(\$5,279,633)	(\$4,576,035)	(\$4,927,834)	0.5589%	(\$27,542)	\$176,823
Jun-19 *	(\$4,576,035)	(\$1,972,750)	(\$3,274,393)	0.5589%	(\$18,301)	\$158,522
Jul-19 *	(\$1,972,750)	\$1,758,188	(\$107,281)	0.5589%	(\$600)	\$157,922
Aug-19 *	\$1,758,188	\$5,590,680	\$3,674,434	0.5589%	\$20,536	\$178,458
Sep-19 *	\$5,590,680	\$7,249,823	\$6,420,252	0.5589%	\$35,883	\$214,341

* Forecast

(a) Based on an authorized rate of return of 6.707%.

Elizabethtown Gas Company
Statement of Injections and Withdrawals - Natural Gas Inventory
For the Period October 1, 2018 through September 30, 2019

Period	Injections		Inventory (Dth's)			Withdrawals			Ending Inventory	
	Dth's	Amount	Adjustment	Adjusted Beginning	Ending	Sendout	Average Rate	Cost of Sendout from Storage	Ending Inventory (Dth's)	Ending Inventory (\$)
Beginning Inventory									7,959,488	\$20,126,469
Oct-18	1,234,070	\$3,284,615	(289)	7,959,199	9,136,090	57,468	\$2.54647	\$146,341	9,136,090	\$23,264,743
Nov-18	66,654	\$687,975	(347)	9,135,743	8,247,870	954,874	\$2.60278	\$2,485,327	8,247,870	\$21,467,391
Dec-18	53,529	\$373,632	(19,501)	8,228,369	6,625,169	1,676,230	\$2.63101	\$4,410,170	6,625,169	\$17,430,853
Jan-19	138,409	\$480,972	(9,218)	6,615,951	4,644,419	2,119,159	\$2.64828	\$5,612,119	4,644,419	\$12,299,706
Feb-19	47,138	\$157,737	(8,026)	4,636,393	2,776,902	1,914,655	\$2.65529	\$5,083,964	2,776,902	\$7,373,479
Mar-19	90,402	\$224,989	(3,160)	2,773,742	1,527,564	1,339,740	\$2.65004	\$3,550,364	1,527,564	\$4,048,104
Apr-19	934,657	\$2,394,610	(12,781)	1,514,783	2,253,910	208,311	\$2.61663	\$545,072	2,253,910	\$5,897,642
May-19	* 1,138,754	\$2,136,872	-	2,253,910	3,366,904	25,760	\$2.36820	\$61,273	3,366,904	\$7,973,241
Jun-19	* 1,105,021	\$2,123,850	-	3,366,904	4,471,925	-	\$2.25788	\$0	4,471,925	\$10,097,091
Jul-19	* 1,141,854	\$1,987,739	-	4,471,925	5,613,779	-	\$2.15271	\$0	5,613,779	\$12,084,830
Aug-19	* 1,087,854	\$1,994,254	-	5,613,779	6,701,633	-	\$2.10084	\$0	6,701,633	\$14,079,084
Sep-19	* 1,077,871	\$1,961,833	-	6,701,633	7,779,504	-	\$2.06195	\$0	7,779,504	\$16,040,917
					0					

* Forecast

Elizabethtown Gas Company
Statement of Injections and Withdrawals - LNG Inventory
For the Period October 1, 2018 through September 30, 2019

Period	Injections		Inventory (Dth's)		Withdrawals			Ending Inventory	
	Dth's	Amount	Beginning	Ending	Dth's	Average Relief Rate (a)	Amount	Ending Inventory (Dth's)	Ending Inventory (\$)
Beginning Inventory								102,427	\$1,144,340
Oct-18	13,931	\$152,201	102,427	116,358	-	\$11.14269	\$0	116,358	\$1,296,541
Nov-18	42,582	\$475,548	116,358	158,940	-	\$11.14942	\$0	158,940	\$1,772,089
Dec-18	11,654	\$140,322	158,940	146,889	23,705	\$11.21031	\$265,740	146,889	\$1,646,671
Jan-19	-	\$0	146,889	78,328	68,561	\$11.21031	\$768,590	78,328	\$878,081
Feb-19	-	\$0	78,328	70,244	8,084	\$11.21031	\$90,624	70,244	\$787,457
Mar-19	-	\$0	70,244	57,790	12,454	\$11.21031	\$139,613	57,790	\$647,844
Apr-19	-	\$0	57,790	54,469	3,321	\$11.21031	\$37,230	54,469	\$610,614
May-19	*	\$0	54,469	50,467	4,002	\$11.21030	\$44,864	50,467	\$565,750
Jun-19	*	\$0	50,467	46,332	4,135	\$11.21030	\$46,354	46,332	\$519,396
Jul-19	*	\$0	46,332	41,660	4,672	\$11.21031	\$52,374	41,660	\$467,022
Aug-19	*	\$96,795	41,660	90,853	4,807	\$5.89397	\$28,332	90,853	\$535,485
Sep-19	*	\$96,131	90,853	139,903	4,950	\$4.36039	\$21,584	139,903	\$610,032

* Forecast

(a) The actual average relief rate is calculated by dividing the total of the monthly beginning inventory and injection dollars by the associated volumes.

Elizabethtown Gas Company
Statement of Injections and Withdrawals - Propane Inventory
For the Period October 1, 2018 through September 30, 2019

Period	Injections		Inventory (Dth's)		Withdrawals			Ending Inventory	
	Dth's	Amount	Beginning	Ending	Dth's	Average Relief Rate (a)	Amount	Ending Inventory (Dth's)	Ending Inventory (\$)
Beginning Inventory								8,495	\$55,466
Oct-18	-	\$0	8,495	8,495	-	\$ -	\$0	8,495	\$55,466
Nov-18	-	\$0	8,495	8,495	-	\$ -	\$0	8,495	\$55,466
Dec-18	-	\$0	8,495	8,495	-	\$ -	\$0	8,495	\$55,466
Jan-19	-	\$0	8,495	8,495	-	\$ -	\$0	8,495	\$55,466
Feb-19	-	\$0	8,495	8,495	-	\$ -	\$0	8,495	\$55,466
Mar-19	-	\$0	8,495	8,495	-	\$ -	\$0	8,495	\$55,466
Apr-19	-	\$0	8,495	8,495	-	\$ -	\$0	8,495	\$55,466
May-19	*		8,495	8,495	-	\$ -	\$0	8,495	\$55,466
Jun-19	*		8,495	8,495	-	\$ -	\$0	8,495	\$55,466
Jul-19	*		8,495	8,495	-	\$ -	\$0	8,495	\$55,466
Aug-19	*		8,495	8,495	-	\$ -	\$0	8,495	\$55,466
Sep-19	*		8,495	8,495	-	\$ -	\$0	8,495	\$55,466

* Forecast

(a) The average relief rate is calculated by dividing the total of the monthly beginning inventory and injection dollars by the associated volumes.

Elizabethtown Gas Company
Statement of Intercompany Transactions
For the Period October 1, 2018 through September 30, 2019

<u>Affiliate</u>	<u>Period</u>	<u>Volumes (Dth)</u>	<u>Cost</u>	<u>Price per Dth</u>	<u>Description of terms</u>
Net Gas Purchases:					
South Jersey Resources	Oct-18	3,030,587	\$8,473,404	Various	System Normal Requirements
South Jersey Resources	Nov-18	3,059,855	\$12,389,685	Various	System Normal Requirements
South Jersey Resources	Dec-18	3,433,722	\$15,551,867	Various	System Normal Requirements
South Jersey Resources	Jan-19	4,590,422	\$14,866,621	Various	System Normal Requirements
South Jersey Resources	Feb-19	3,726,276	\$10,348,265	Various	System Normal Requirements
South Jersey Resources	Mar-19	3,378,124	\$9,844,659	Various	System Normal Requirements
South Jersey Resources	Apr-19	2,406,861	\$5,767,313	Various	System Normal Requirements

Elizabethtown Gas Company
Statement of Historical Service Interruptions
For the Period October 1, 2018 through September 30, 2019

Service Class	Dates Curtailed (Date Off - Date On)	Number of Customers	Reason
IS, CS & CSI	1/19-1/25, 1/30-2/5	1	Operational
Cogen Recall	1/31	1	Operational

Note: Interruption due to System Gas Supply Protection because of cold weather.

ELIZABETHTOWN GAS COMPANY

**Actual Peak Day Demand and Supply
November 2016 through March 2019**

Year	Date	Temp.	Demand					Supply Source							
			Firm Demand ¹ (Dths)	LAUF ² (Dths)	Interruptible Demand (Dths)	Transport Demand (Dths)	Total Throughput (Dths)	Total Supply (Dths)	Storage (Dths)	Pipeline (Dths)	PEAKING				TPS Deliveries (dths)
											Contracted (dths)	Mechanical (dths)	3rd Party (dths)	Take-Back (dths)	
2016/2017	1	9-Jan-17	20	263,937	7,863	1,052	112,565	385,417	105,008	188,859	7,200	56	0	17,000	67,294
	2	15-Dec-16	20	260,987	7,757	8	111,492	380,244	103,178	173,001	0	63	0	17,000	87,002
	3	8-Jan-17	19	259,091	7,731	1,003	111,143	378,968	99,975	167,336	10,147	32	0	17,000	84,478
	4	15-Mar-17	26	228,480	7,649	16,011	122,816	374,956	94,166	175,326	13,875	95	0	0	91,494
	5	7-Jan-17	20	234,498	7,411	968	120,424	363,301	84,792	187,891	0	86	0	4,889	85,643
2017/2018	1	6-Jan-18	9	254,092	8,111	39	135,346	397,588	107,709	191,414	8,434	12	0	0	90,019
	2	5-Jan-18	12	255,728	7,973	36	127,107	390,844	95,933	151,805	4,628	50	46,000	0	92,428
	3	31-Dec-17	11	243,365	7,475	34	115,534	366,408	110,384	139,921	31,070	76	0	9,800	75,157
	4	1-Jan-18	16	241,240	7,330	38	110,696	359,304	107,669	147,690	10,100	85	0	9,800	83,960
	5	2-Jan-18	19	234,381	7,102	38	106,638	348,159	105,257	141,930	6,929	104	0	9,800	84,139
2018-2019	1	21-Jan-19	13	326,509	9,267	2	118,493	454,271	104,566	207,401	9,828	25,024	0	9,800	97,652
	2	31-Jan-19	13	309,676	9,122	24	128,311	447,133	102,967	207,157	4,123	27,143	0	9,800	95,943
	3	30-Jan-19	13	301,654	8,892	22	125,291	435,859	108,275	220,839	11,187	2,381	0	0	93,177
	4	1-Feb-19	18	290,745	8,434	26	114,222	413,427	95,082	203,679	10,024	144	20,000	0	84,498
	5	6-Mar-19	22	249,076	7,580	21	114,902	371,579	78,934	222,849	0	574	0	0	69,222

¹ Firm Demand has been reduced by an estimation of the commercial transportation volumes that are included in the data set.

² Assumes Lost and Unaccounted For of 2.04%.

**Elizabethtown Gas Company
Hedging Report**

	Normal Firm Requirements (dth)	Price Protected (dth)
Oct-2018	1,488,136	1,260,000
Nov-2018	2,839,095	820,000
Dec-2018	4,248,896	1,290,000
Jan-2019	5,392,368	1,430,000
Feb-2019	4,330,944	1,150,000
Mar-2019	3,502,534	950,000
Apr-2019	1,609,567	1,420,000
May-2019	794,360	950,000
Jun-2019	476,769	810,000
Jul-2019	522,591	850,000
Aug-2019	518,324	840,000
Sep-2019	587,688	840,000
	26,311,272	12,610,000

RIDER "A"

BASIC GAS SUPPLY SERVICE CHARGE ("BGSS")

This Rider sets forth the method of determining the BGSS which shall be calculated to four (4) decimal places on a per therm basis established in accordance with the Board Order in Docket No. GX01050304 dated January 6, 2003. The BGSS charge is either BGSS-Monthly ("BGSS-M") or BGSS-Periodic ("BGSS-P") and will be applied to a Customer's Service Classification as follows:

1. The BGSS-M shall be applicable to all GDS, NGV, LVD, and EGF customers receiving gas supply from the Company effective on the first of each month as determined below.
2. The BGSS-P shall be applicable to all RDS, SGS, and GLS customers receiving gas supply from the Company.

The BGSS Charge, as defined herein, is designed to recover the cost to the Company of purchased gas or fuel used as a substitute for or supplemental to purchased gas including the cost of storing or transporting said gases or fuel, the cost of financial instruments employed to stabilize gas costs, other charges or credits as may result from the operation of other tariff provisions, and taxes and other similar charges in connection with the purchase and sale of gas.

BGSS per therm rates:

<u>Effective Date</u>	<u>BGSS-M per therm</u>	<u>BGSS-P Per therm</u>
October 1, 2018	\$0.4920	\$0.4237
November 1, 2018	\$0.5139	\$0.4237
December 1, 2018	\$0.6814	\$0.4237
January 1, 2019	\$0.5639	\$0.4237
February 1, 2019	\$0.4882	\$0.4691
March 1, 2019	\$0.4778	\$0.4691
April 1, 2019	\$0.4622	\$0.4691
May 1, 2019	\$0.4461	\$0.4691
June 1, 2019	*	\$0.4691
July 1, 2019	*	\$0.4691
August 1, 2019	*	\$0.4691
September 1, 2019	*	\$0.4691
October 1, 2019 (Proposed BGSS-P Rate)	*	\$0.4691

* To be determined

Date of Issue: **April 29, 2019**

Effective: Service Rendered
on and after **May 1, 2019**

Issued by: Christie McMullen, President
520 Green Lane
Union, New Jersey 07083

Filed Pursuant to Order of the Board of Public Utilities
Dated **January 6, 2003** in Docket No. **GX01050304**

**INSERT TAB:
LEONARD J. WILLEY**

**ELIZABETHTOWN GAS COMPANY
DIRECT TESTIMONY OF
LEONARD J. WILLEY**

1 **Q. PLEASE STATE YOUR NAME AND BUSINESS ADDRESS.**

2 **A.** My name is Leonard J. Willey. My business address is
3 520 Green Lane, Union, New Jersey 07083.

4 **Q. WHAT IS YOUR POSITION WITH ELIZABETHTOWN GAS COMPANY?**

5 **A.** I am employed as Manager, Gas Supply by Elizabethtown
6 Gas Company ("Elizabethtown" or "Company").

7 **Q. WHAT ARE YOUR PROFESSIONAL QUALIFICATIONS?**

8 **A.** I received a Bachelor of Arts degree in Computer Science
9 from Rutgers, The State University of New Jersey with a
10 minor in Economics in 1991. I have been employed by
11 Elizabethtown since September 1983 and have held a
12 number of positions in the planning and gas supply
13 procurement area. During my tenure with Elizabethtown,
14 I have attended the American Gas Association's (AGA)
15 "Demand Modeling and Forecasting" seminar, the Institute
16 of Gas Technology's "Energy Modeling" seminar, the
17 Institute for Professional Education (IPE) courses
18 "Applied Time Series: Analysis and Forecasting" and
19 "Forecasting: Methods and Applications". In addition, I
20 have attended various conferences and seminars on topics
21 and issues related to my job function. I am formerly a

1 member of the AGA's Statistics and Load Forecasting
2 Methods Committee.

3 **Q. WHAT IS THE PURPOSE OF YOUR TESTIMONY?**

4 **A.** My testimony supports the Company's calculated Periodic
5 Basic Gas Supply Service ("BGSS-P") rate of \$0.4773 per
6 therm (including New Jersey Sales and Use Tax ("SUT")).
7 Schedules LJW-1 through LJW-17 provide support for the
8 Company's calculation. Notwithstanding, the Company
9 proposes to maintain its current BGSS-P rate of \$0.4691
10 per therm, including applicable taxes. My testimony
11 also provides support for the capacity cost component
12 ("CCC-M") charge used in setting the Monthly Basic Gas
13 Supply Service ("BGSS-M") rates charged to our large
14 commercial and industrial sales customers. The Company
15 calculated a new CCC-M charge at \$0.2189 per therm,
16 however, the Company proposes to maintain its current
17 CCC-M rate of \$0.1592 per therm.

18 **Q. DO YOU SPONSOR ANY SCHEDULES AS PART OF YOUR TESTIMONY?**

19 **A.** Yes. My testimony includes the following schedules
20 which were prepared under my supervision and direction:
21 (i) Schedules LJW-1 through LJW-15 support the
22 calculated BGSS-P rate and reflect projected data
23 for the period October 1, 2019 through September

1 30, 2020. These schedules provide information
2 responsive to Minimum Filing Requirements ("MFR")
3 numbers 2,4,5,6,7,8,11,12 and 17; and

4 (ii) Schedule LJW-16 presents the historical and
5 estimated supply and demand requirements for
6 Elizabethtown for the period November 2015
7 through October 2023. This schedule provides
8 information responsive to MFR 14.

9 (iii) Schedule LJW-17 presents changes to the
10 Company's portfolio of firm transportation and
11 storage contracts through the period ending
12 September 30, 2020. This schedule provides
13 information responsive to MFR 18.

14 **Q. PLEASE EXPLAIN HOW THE COMPANY RECOVERS GAS COSTS**
15 **THROUGH THE BGSS CLAUSE.**

16 **A.** The Company recovers gas costs from its residential,
17 small commercial and gaslight sales customers through
18 the BGSS-P rate, which is established in this
19 proceeding. The Company recovers gas costs from its
20 large commercial, industrial and electric generation
21 customers through its BGSS-M rates, which are
22 established monthly. The BGSS-P rate is derived by
23 determining the sum of the commodity gas cost component
24 ("GCC-P"), the capacity cost component ("CCC-P"), adding

1 an amount to adjust for prior period under or over-
2 recoveries and adjusting the resulting rate for
3 applicable taxes. The capacity cost component is also
4 used in the determination of the monthly BGSS-M rate.
5 However, BGSS-M rates are established monthly; they are
6 not established in this proceeding. In addition, for
7 certain non-firm service classifications, gas cost
8 recovery rates are established by tariff. Information
9 concerning these rates is set forth on Schedule LJW-11.

10 **Q. HAVE THERE BEEN ANY CHANGES IN ELIZABETHTOWN'S ASSET**
11 **MANAGER AND PRIMARY SUPPLIER OF NATURAL GAS SINCE THE**
12 **COMPANY'S LAST FILING?**

13 **A.** Yes, in connection with the South Jersey Industries,
14 Inc. acquisition of Elizabethtown's assets through a
15 transaction that was authorized by the New Jersey Board
16 of Public Utilities ("BPU" or "Board") by Order dated
17 June 22, 2018 in BPU Docket No. GM17121309, the asset
18 management agreement then in place with Sequent Energy
19 Management, L.P. ("Sequent") ("SEM AMA") was assigned to
20 South Jersey Resources Group LLC ("SJRG") for the
21 remaining term and extended through a new asset
22 management agreement for the term April 1, 2019 through
23 March 31, 2024 ("SJRG AMA"). Thus, pursuant to the SJRG
24 AMA, the Company's affiliate, SJRG, is now its upstream

1 capacity manager and principal supplier of natural gas
2 on terms and conditions substantially the same as those
3 reflected in the SEM AMA. As was the case with the SEM
4 AMA, the Company's customers will receive at least \$4.25
5 million of BGSS credits as a result of SJRG's asset
6 management activities. I describe the SJRG AMA in more
7 detail below.

8 **Q. HAS THE USE OF AN ASSET MANAGER IN GENERAL, AND SJRG, IN**
9 **PARTICULAR, AFFECTED ELIZABETH-TOWN'S GAS PURCHASING**
10 **GOALS AND OBJECTIVES?**

11 **A.** No. Elizabethtown's goal in purchasing gas is to obtain
12 reliable sources of supply at market-sensitive prices.
13 Elizabethtown believes that by purchasing commodity gas
14 supplies at market prices and minimizing its fixed cost
15 of purchasing gas to the level no greater than that
16 needed to assure reliability, Elizabethtown is able to
17 purchase gas for BGSS customers at the lowest reasonable
18 level. The Company has been able to accomplish this
19 goal throughout the BGSS period under its arrangement
20 with SJRG. The prices that Elizabethtown has committed
21 to pay for gas under its arrangement with SJRG have been,
22 and will continue to be, consistent with market
23 conditions. The replacement of Sequent with SJRG as

1 asset manager has not impacted Elizabethtown's gas
2 purchasing goals and objectives.

3 **Q. WHAT IS THE COMPANY'S PROJECTED SALES QUANTITY FOR THE**
4 **BGSS PERIOD OCTOBER 1, 2019 THROUGH SEPTEMBER 30, 2020?**

5 **A.** Schedule LJW-4 sets forth the sales level projected for
6 the period October 1, 2019 through September 30, 2020
7 ("the BGSS Year"). The projection was developed using a
8 10-year normal weather pattern based on the historical
9 period of July 1, 2008 through June 30, 2018, and adding
10 estimated growth in the markets served. Schedule LJW-6
11 presents the projected level of gas purchases and
12 storage activity necessary to serve the sales demand
13 projection.

14 **Q. HAVE THERE BEEN ANY CHANGES TO THE METHODOLOGY USED TO**
15 **FORECAST THE SALES QUANTITIES UNDERLYING THE COMPANY'S**
16 **FILING SINCE THE COMPANY'S PREVIOUS BGSS-P FILING?**

17 **A.** No, the forecast methodology used is the same as that
18 used in last year's filing. However, the underlying
19 historical weather data used to develop the 10-year
20 normal, while still based on a rolling 10-year approach,
21 uses a more current 10-year period (July 1, 2008 through
22 June 30, 2018) than the 10-year period (July 1, 2007
23 through June 30, 2017) used for last year's filing.

1 Q. IS THE COMPANY PROJECTING A CHANGE IN SALES GROWTH FROM
2 THE PRIOR YEAR?

3 A. No. The BGSS demand forecast for 2019-2020 is relatively
4 flat, reflecting a slight increase in overall throughput
5 of sales and transportation demand relative to last
6 year's forecast. Total sales demand is projected to
7 decline when compared to last year's numbers as
8 customers migrate from sales to transportation services.

9 Q. HOW WAS THE GAS SUPPLY FORECAST DISPLAYED IN SCHEDULE
10 LJW-6 DEVELOPED?

11 A. The Company developed and utilized an Excel based model
12 to forecast the best mix of gas purchases, storage and
13 peaking supply needed to enable the Company to meet its
14 forecast sendout of natural gas for the BGSS Year. The
15 model emulates the gas supply process employed on a
16 monthly and daily basis to meet customer demands. The
17 choice of natural gas supply is developed from the
18 sources defined to be available. The results obtained
19 through use of the model are presented on Schedule LJW-
20 6.

21 Q. PLEASE EXPLAIN HOW ELIZABETHTOWN PLANS TO MEET ITS
22 SUPPLY REQUIREMENTS IN THE BGSS YEAR.

1 **A.** As noted above, Elizabethtown has entered into a
2 contract with SJRG to provide Elizabethtown with firm
3 supply up to the amount of capacity that SJRG is managing
4 under the agreement. In addition to this supply,
5 Elizabethtown retains control of all of its peaking
6 assets as well as several market-area storage assets
7 used to balance its system.

8 **Q. PLEASE DESCRIBE THE SJRG AMA.**

9 **A.** The SJRG AMA involves two contracts: an Asset Management
10 and Agency Agreement and a Gas Purchase and Sale
11 Agreement. Under the terms of the agreements, which are
12 confidential, Elizabethtown has for all interstate
13 pipeline and storage capacity designated SJRG as its
14 agent and where appropriate, has released assets --
15 upstream pipeline transportation and storage contracts
16 -- to SJRG. SJRG also acts as agent for Elizabethtown
17 under certain pre-existing supply contracts. SJRG has
18 the right to utilize all of Elizabethtown's upstream
19 contracts as long as it meets its supply obligations to
20 Elizabethtown.

21 Under the SJRG AMA, SJRG is responsible for
22 supplying Elizabethtown's firm gas requirements up to
23 the limit of the pipeline capacity covered by the
24 agreement. However, the contracts provide Elizabethtown

1 with the flexibility to dispatch gas to the Company's
2 city gate in a best-cost manner. Elizabethtown
3 continues to maintain responsibility for the sourcing
4 and dispatching of its gas supply. Based on published
5 natural gas index pricing and available pipeline
6 capacity and storage levels, Elizabethtown directs SJRG
7 to the purchase points for the Company's supply and
8 designates the pipeline contracts under which SJRG is to
9 deliver natural gas supplies to Elizabethtown's city
10 gate. SJRG is then required to deliver the aggregate
11 quantities of natural gas nominated by the Company. SJRG
12 is not required to physically flow gas in the same manner
13 as it is nominated by Elizabethtown, or to use the
14 pipeline capacity designated by the Company; however,
15 SJRG is required to deliver the total nominated volumes
16 and to bill the Company using the published index pricing
17 and associated pipeline tariff rates in accordance with
18 the Company's nominations.

19 Likewise, with regard to storage gas, Elizabethtown
20 nominates to SJRG the daily utilization of gas being
21 injected and withdrawn from storage. Under the SJRG
22 AMA, Elizabethtown's market area storage contracts,
23 other than those designated as under the control of
24 Elizabethtown, are to be refilled ratably during the

1 seven-month period April through October to a level
2 equal to nearly 100% of capacity at October 31. Those
3 storage assets under the control of Elizabethtown will
4 be filled in accordance with the explicit direction of
5 the Company. The Company is invoiced based on the
6 published index prices associated with its nominations
7 to SJRG for each storage contract. However, for those
8 storage assets subject to ratable fill, actual physical
9 monthly flows may differ from the Company's nominations
10 to SJRG so long as the storages are filled as directed
11 by the Company at October 31. Historically,
12 Elizabethtown has filled its market area storage to
13 between 90% - 100% of capacity in order to allow a
14 cushion for storage injections necessary to balance
15 pipeline transportation quantities if a warmer than
16 normal start of winter occurs.

17 **Q. DOES THE SJRG AMA REQUIRE SJRG TO COMPENSATE**
18 **ELIZABETHTOWN FOR ACTING AS ITS ASSET MANAGER?**

19 **A.** Yes. SJRG is required to pay a minimum of \$4.25 million
20 as an annual fee to Elizabethtown and SJRG and
21 Elizabethtown share any margins derived by SJRG in
22 accordance with a formula set forth in the agreement.
23 Basically, that formula provides that 70% of all margin
24 earned by SJRG will be credited to the Company's

1 customers if the total margins earned are between \$8
2 million and \$14 million annually.

3 **Q. HOW HAS THE SJRG AMA AFFECTED THE COST OF GAS PURCHASED**
4 **FOR BGSS CUSTOMERS?**

5 **A.** The SJRG AMA permits Elizabethtown to obtain gas
6 supplies at prices consistent with market conditions.
7 The Company continues to be responsible for sourcing gas
8 purchases and deliveries with the objective of
9 minimizing costs without affecting reliability of
10 supply. The commodity cost of gas supply is based on
11 published index prices. Pipeline tariff rates paid for
12 transportation, fuel and storage remain in accordance
13 with existing contracts. There are no other charges
14 from SJRG to ETG under the SJRG AMA. These aspects of
15 the Company's agreement with SJRG, coupled with the fee
16 that SJRG is paying to Elizabethtown for the right to
17 act as its asset manager and natural gas supplier, have
18 helped Elizabethtown realize an overall cost to BGSS
19 customers that is reasonable and consistent with market
20 conditions.

21 **Q. PLEASE EXPLAIN HOW THE FORECASTS OF PRICES FOR GAS**
22 **SUPPLIES AND SERVICES PROVIDED IN SCHEDULE LJW-7 WERE**
23 **DEVELOPED.**

1 **A.** In preparing Schedule LJW-7, Elizabethtown personnel
2 reviewed current rates filed by the Company's pipeline
3 suppliers with the Federal Energy Regulatory Commission
4 ("FERC") to determine the likely level of rates for
5 storage and transportation services during the BGSS
6 Year. The forecast rates include the Annual Charge
7 Adjustment ("ACA"), and any other surcharges approved by
8 the FERC.

9 The majority of the Company's sources of gas supply
10 during the BGSS Year have spot-related or index-based
11 pricing terms that are market sensitive. The projected
12 commodity prices reflected on Schedule LJW-7 for these
13 supply contracts are based on the prices posted by the
14 New York Mercantile Exchange ("NYMEX") for the period
15 October 2019 through September 2020 as established using
16 the actual NYMEX Futures settlement prices as closed on
17 May 9, 2019. The prices for these contracts also reflect
18 the impact of financial hedging transactions that have
19 been put in place to mitigate price volatility under the
20 Company's Gas Procurement Strategy and Plan ("GPS&P"),
21 which is discussed more fully below. Schedule LJW-13
22 presents the detailed calculation of the "spot commodity
23 price" that is utilized on Schedule LJW-7. Prices for
24 winter peaking supply are based on contracts in place.

1 Q. PLEASE EXPLAIN HOW THE COMPANY DEVELOPS ITS FORECAST OF
2 COMMODITY GAS COSTS.

3 A. Because the majority of the Company's sources of natural
4 gas supply have spot-related or index-based pricing
5 terms, the price of most of the natural gas purchased by
6 the Company is forecast using the NYMEX settlement
7 prices for the period October 2019 through September
8 2020 as the starting point. To determine the forecast
9 price for each receipt point where the Company projects
10 to purchase supplies, a forecast basis representing the
11 difference between the index price at the individual
12 receipt points and the NYMEX settlement prices is added
13 to the NYMEX settlement prices mentioned previously.
14 Those gas supply sources that are not based on spot
15 prices or index-based pricing are priced in accordance
16 with the pricing provisions of the applicable contracts.
17 All variable costs associated with transporting the
18 purchased gas from its point of purchase to the city
19 gate, which include the cost of the gas retained for
20 fuel or shrinkage and the variable tariff charges
21 applied by the transporting pipelines, are added to
22 determine the cost of gas. Finally, the impacts of any
23 hedging transactions that have been put into place to

1 mitigate price volatility are reflected to arrive at the
2 total commodity cost of gas.

3 **Q. HOW DOES ELIZABETHTOWN DETERMINE THE CAPACITY COST**
4 **COMPONENT OF THE BGSS-P RATE?**

5 **A.** The capacity cost component of the BGSS-P rate is
6 determined by dividing the Company's fixed capacity
7 costs of purchasing natural gas, as set forth on Schedule
8 LJW-8, by the projected quantities to be delivered to
9 BGSS-P and BGSS-M customers, as set forth on Schedule
10 LJW-5 page 2. The resulting CCC-P component is set forth
11 on Schedule LJW-8, however, the Company is proposing to
12 keep its current CCC-P rate of \$0.1592 per therm.

13 **Q. PLEASE DESCRIBE THE CURRENT STATE OF THE NATURAL GAS**
14 **MARKET.**

15 **A.** Natural gas costs have remained relatively flat with
16 significant volatility occurring during extreme winter
17 weather. Price differentials between traditional supply
18 basins located in the South and shale basins located in
19 the Northeast continue to narrow as new capacity is
20 brought online to deliver those supplies to market. I
21 expect a continuation of this pattern of mild volatility
22 coupled with extreme pricing during near design peak
23 weather conditions during the period covered by this
24 filing.

1 With respect to the NYMEX, settlement prices at the Henry
2 Hub are approximately \$0.255 per dekatherm lower this
3 May compared to a year ago and for the 5-month period
4 January through May, the average NYMEX settlement price
5 for 2019 was approximately \$0.04 per dekatherm higher
6 than for the same period in 2018.

7 In addition, while Northeastern shale prices are
8 still less than Henry Hub prices, current shale prices
9 do not reflect the same discount they did historically
10 because of changes in interstate transportation capacity
11 that have increased deliverability to other markets.
12 While shale gas production still helps to maintain lower
13 prices as compared to prices at the Henry Hub, the
14 increase in deliverability of shale gas has decreased
15 the discount obtainable in recent years.

16 Price volatility is anticipated during the BGSS
17 period with fundamentals such as weather, availability
18 of pipeline firm transportation capacity to markets and
19 production and storage inventory levels continuing to
20 play a role in setting prices. Normal to mild summer
21 temperatures, National storage inventory levels as
22 reported by the EIA and the resulting demand needed to
23 refill storage to the levels that have been achieved
24 over the last several years, and continued growth in

1 shale production would sustain the current level of
2 summer pricing. At the same time however, there are
3 other factors that could send prices higher than current
4 levels. Factors such as continued coal-fired electric
5 generation retirements, warmer-than-normal summer
6 weather causing increased electric demand, and/or
7 projections of shortages or problems with primary fuel
8 sources for electric generation, such as nuclear
9 outages, could easily cause market prices for natural
10 gas to rise during the summer and fall seasons.
11 Moreover, if the start to the coming winter is colder
12 than normal and gas production has not shown any
13 significant growth, prices could increase.

14 These factors, as well as the timing of additional
15 gas production from unconventional sources, and new,
16 incremental transportation capacity with the ability to
17 move stranded Marcellus and Utica shale gas to markets
18 will continue to drive prices. The impact of these
19 factors on future prices and the timing of any changes
20 in prices, supply and/or demand are elusive and
21 uncertain. The uncertainty surrounding many of the
22 factors that influence the short-term price of natural
23 gas is one of the reasons for volatility in natural gas
24 prices.

1 Q. WHAT STEPS DOES THE COMPANY TAKE TO HOLD ITS GAS COSTS
2 TO THE LOWEST REASONABLE LEVEL AND MANAGE PRICE
3 VOLATILITY?

4 A. Elizabethtown employs various measures to obtain the
5 lowest reasonable costs and manage volatility including
6 (1) employing its gas storage resources to eliminate
7 exposure to some of the volatility associated with
8 wintertime price swings; (2) continuing to implement its
9 Gas Procurement Strategy and Plan ("GPS&P") on file with
10 the Board; and (3) providing credits to firm customers
11 as a result of the Company's outsourcing of its gas
12 supply and upstream capacity management to SJRG, as
13 discussed above.

14 Q. PLEASE EXPLAIN HOW ELIZABETHTOWN'S GAS STORAGE RESOURCES
15 AND GPS&P HELP TO ASSURE THAT ELIZABETHTOWN OBTAINS
16 REASONABLY PRICED COMMODITY SUPPLIES TO MEET ITS SYSTEM
17 REQUIREMENTS?

18 A. The Company secures the majority of its natural gas
19 commodity requirements at the market prices in effect at
20 the time the gas is needed. This assures that over the
21 long term, natural gas is purchased at the lowest
22 reasonable cost, assuming that the market for natural
23 gas is truly open and competitive. However, purchasing
24 natural gas in this manner exposes the Company and its

1 customers to price volatility. To some extent,
2 Elizabethtown is able to mitigate price instability
3 during the winter period through the use of storage.
4 While the primary function of storage is to provide a
5 reliable, cost-effective means to meet the increased
6 demands for natural gas service in the winter, it also
7 allows the Company to mitigate price volatility.
8 Because storage is filled in the non-winter, off-peak
9 months, the price of storage gas is unaffected by
10 movements in the winter month prices. Elizabethtown has
11 9,226,821 dth of storage capacity, which is capable of
12 satisfying approximately 49% of the Company's winter
13 natural gas requirements for BGSS-P customers. The
14 Company's projected use of various storage inventories
15 is detailed on Schedules LJW-2 and LJW-10.

16 However, the natural price hedging aspects of
17 storage, while significant, do not provide the desired
18 level of price volatility mitigation, especially during
19 periods of extreme natural gas price movements in an
20 upward trending market. To further enable the Company to
21 mitigate volatility, the Company has implemented the
22 GPS&P. The GPS&P has the following stated objectives:
23 1) assure that any actions taken to manage gas costs are
24 not detrimental to gas supply reliability, 2) reduce the

1 risk of upward gas commodity price volatility, 3)
2 preserve opportunities to take advantage of declines in
3 gas prices, and 4) allow for flexibility to adjust to
4 market changes. The focus of the GPS&P is on managing
5 the purchased costs of natural gas over rolling time
6 frames. However, the GPS&P also establishes the
7 framework for an ongoing natural gas procurement
8 process. Schedule LJW-14 contains the four most recent
9 quarterly filings the Company has submitted to the BPU
10 on the operation of the GPS&P.

11 **Q. HOW DOES THE GPS&P WORK?**

12 **A.** The plan sets forth a strategy to be employed to price-
13 protect natural gas purchases. It describes the price
14 protection methods that can be used and the level of
15 price protection to be put in place. It establishes a
16 base level of price protection for a portion of firm
17 natural gas supply requirements which is carried out in
18 a formulaic manner irrespective of where the market is
19 at any given time.

20 **Q. WHAT IMPACT WILL THE IMPLEMENTATION OF THE GPS&P AND THE**
21 **COMPANY'S USE OF STORAGE HAVE ON ELIZABETHTOWN'S GAS**
22 **PURCHASES FOR THE 2019-2020 BGSS YEAR?**

23 **A.** As a result of implementing the GPS&P and its re-fill of
24 storage, the Company will have price-protected

1 approximately 67% of its BGSS-P projected winter natural
2 gas purchase requirements for 2019-2020. Page 1 of
3 Schedule LJW-14 presents the current level of price
4 protection the Company has put in place under its GPS&P
5 for the projected BGSS period.

6 **Q. WHAT LEVEL OF PIPELINE REFUNDS IS THE COMPANY**
7 **FORECASTING FOR THE BGSS YEAR?**

8 **A.** As reflected on Schedule LJW-9, the Company is not
9 projecting any pipeline refunds for this BGSS Year.
10 Refunds generally result from final decisions involving
11 Elizabethtown's pipelines in rate proceedings and
12 storage projects before the Federal Energy Regulatory
13 Commission ("FERC"). While both Transcontinental Gas
14 Pipe Line Company, LLC and Texas Eastern Transmission,
15 LP have filed Section 4 rate proceedings, it is too early
16 in the process to identify either the timing or if a
17 refund will result from settlement negotiations.

18 **Q. WILL THE COMPANY ENTER INTO ANY SEASONAL SUPPLY OR**
19 **CAPACITY CONTRACTS FOR THE UPCOMING BGSS YEAR?**

20 **A.** Yes, the Company plans to enter into contracts for
21 additional bundled peaking supplies for the 2019-2020
22 winter. The Company has identified the need for winter
23 peaking supply above the level of capacity currently
24 under contract and plans to secure these contracts

1 through negotiations with vendors who respond to request
2 for proposal solicitations made by the Company. For the
3 last several years, the Company has used seasonal
4 contracts as a means of meeting a portion of its
5 requirements for winter firm natural gas supply. The
6 short-term nature of these contracts allows the Company
7 to adjust its supply portfolio from year to year as its
8 loads and load profiles change.

9 **Q. HAS THE COMPANY MADE ANY OTHER CHANGES IN ITS COMPANY**
10 **PORTFOLIO?**

11 **A.** Yes. The Company has extended the term of a storage
12 contract with Stagecoach Pipeline and Storage Company
13 LLC for an additional five (5) years. The Company has
14 also extended the term of an upstream, firm
15 transportation capacity contract with Gulf South for an
16 additional three years. The Company had initially
17 considered terminating the contract but re-considered
18 when Gulf South agreed to a discounted rate.
19 Additionally, the Company has executed a service
20 agreement with Texas Eastern Transmission for
21 incremental firm transportation capacity that is
22 expected to be in-service early 4th quarter 2019.
23 Schedule LJW-17 sets forth a summary of changes to the

1 Company's portfolio of interstate pipeline firm
2 transportation and storage contracts.

3 **Q. DOES THE COMPANY HAVE ANY GAS SUPPLY OR CAPACITY**
4 **TRANSACTIONS WITH AFFILIATES IN EFFECT OR PLANNED FOR THE**
5 **PROJECTED BGSS PERIOD?**

6 **A.** Yes. SJRG is an affiliate of the Company and provides
7 gas supply and capacity management services under the
8 terms that I previously described.

9 **Q. WHAT LEVEL OF MARGIN REVENUES DOES THE COMPANY FORECAST**
10 **FOR OFF-SYSTEM SALES AND CAPACITY RELEASE IN THE BGSS**
11 **PERIOD BEGINNING OCTOBER 1, 2019?**

12 **A.** As discussed above, under the terms of the SJRG AMA,
13 SJRG has use of the Company's pipeline and storage assets
14 for off-system sales transactions, for which it pays
15 Elizabethtown a minimum annual fee of \$4.25 million. In
16 addition, net margins generated through the use of the
17 Company's assets are to be shared per a tiered sharing
18 structure. For purposes of this filing, the Company is
19 projecting approximately \$10.0 million of total
20 contributions, inclusive of the minimum annual fee, from
21 SJRG that is credited to the BGSS.

22 The Company also forecasts \$509,072 of capacity
23 release credits under an arrangement that was in place
24 prior to the SJRG AMA. Of this total, \$432,715 is

1 projected to be credited to the BGSS clause under the
2 85%/15% sharing mechanism that is in effect.

3 **Q. HAS ELIZABETHTOWN BEEN INVOLVED IN ANY FEDERAL ENERGY**
4 **REGULATORY COMMISSION ("FERC") ACTIVITIES OR PROCEEDINGS**
5 **ASSOCIATED WITH ITS PIPELINE SERVICE PROVIDERS?**

6 **A.** Yes. Elizabethtown participates in such proceedings to
7 ensure that the costs and services it receives from its
8 pipeline service providers remain reasonable and
9 continue to meet its needs in an economic manner.
10 Schedule LJW-15 sets forth a summary of the FERC
11 proceedings that Elizabethtown has substantively
12 participated in during the past few years.

13 **Q. WHAT BGSS-P CHARGE IS THE COMPANY PROPOSING?**

14 **A.** While the calculation of the BGSS-P charge, as set forth
15 on Schedule LJW-1, would result in a slight increase to
16 the current BGSS-P charge, the Company is not proposing
17 to change the rate. The increase, while not
18 insignificant, is not material and as such the Company
19 is proposing to keep the current rate of \$0.4691 per
20 therm, including taxes, in effect during the 2019-2020
21 BGSS Year.

22 **Q. DOES THIS CONCLUDE YOUR TESTIMONY?**

23 **A.** Yes, it does.

Elizabethtown Gas Company
Calculation of Charge for Periodic Basic Gas Supply Service
October 1, 2019 through September 30, 2020

1.	Beginning Inventory, October 1, 2019	(Schedule LJW-2)	\$16,706,417
2.	Plus Projected Purchases <i>October 1, 2019 through September 30, 2020</i>	(Schedule LJW-2)	\$142,143,908
3.	Plus: Estimated Under Recovery from September 30, 2019	(Schedule TK-1)	\$7,249,823
4.	Less: Estimated Interest on monthly over recoveries during the period	(Schedule TK-6)	\$0
5.	Less: Projected Ending Inventory for September 30, 2020	(Schedule LJW-2)	\$14,686,187
6.	Less: Projected Credits, Refunds, etc. <i>October 1, 2019 through September 30, 2020</i>	(Schedule LJW-3)	\$10,555,165
7.	Less: Projected Gas Cost Recoveries from System Sales not subject to the recoverable unit Gas Cost of the BGSS Periodic	(Schedule LJW-5)	\$32,547,576
8.	Less: Projected Recoveries for the portion of October 2019 sales sent out in September 2019	(Schedule LJW-5, pg. 3)	\$861,344
9.	Net Recoverable Gas Costs		<u>\$107,449,876</u>
10.	Applicable Therm Sales, October 2019 through September 2020	(Schedule LJW-4, pg. 4)	240,071,475 Therms
11.	Recoverable Unit Gas Cost Through BGSS-P		\$0.447575 per thm
12.	Levelized BGSS-P (rounded to nearest 1/10000 of a dollar)		\$0.4476 per thm
13.	Plus: 6.625% Sales Tax		\$0.0297
14.	Total Levelized BGSS-P		<u>\$0.4773</u> per thm

Propose to Maintain Current Rate

Levelized BGSS-P (rounded to nearest 1/10000 of a dollar)	\$0.4400	per thm
Plus: 6.625% Sales Tax	\$0.0291	per thm
Total Levelized BGSS-P	<u>\$0.4691</u>	per thm

Elizabethtown Gas Company

**Statement of Gas Sendout
For the Projected Period October 1, 2019 through September 30, 2020**

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
	PURCHASES			INVENTORY VOLUMES		SENDOUT		
PERIOD	Amount	Dth	Average Rate (col 1/2)	Beginning Dth	Ending Dth	Dth (col 2+4-5)	\$	Average Rate (col 7/6)
Oct 2019	\$9,986,218	2,711,602	\$3.68277	8,021,684	9,227,664	1,505,622	\$7,931,863	\$5.26816
Nov 2019	\$11,518,246	2,559,131	\$4.50084	9,227,664	8,548,379	3,238,416	\$13,075,037	\$4.03748
Dec 2019	\$14,895,351	3,278,894	\$4.54280	8,548,379	6,717,200	5,110,073	\$18,872,353	\$3.69317
Jan 2020	\$20,497,308	4,246,427	\$4.82695	6,717,200	4,318,027	6,645,600	\$25,677,547	\$3.86384
Feb 2020	\$15,053,428	3,520,918	\$4.27543	4,318,027	2,299,788	5,539,157	\$19,452,853	\$3.51188
Mar 2020	\$13,794,565	3,241,021	\$4.25624	2,299,788	1,156,849	4,383,960	\$16,345,784	\$3.72854
Apr 2020	\$12,729,646	3,404,040	\$3.73957	1,156,849	2,395,014	2,165,876	\$10,040,335	\$4.63569
May 2020	\$9,533,850	2,187,383	\$4.35856	2,395,014	3,640,960	941,436	\$7,153,899	\$7.59892
Jun 2020	\$8,723,197	1,787,638	\$4.87973	3,640,960	4,838,117	590,481	\$6,381,013	\$10.80646
Jul 2020	\$8,626,572	1,882,711	\$4.58199	4,838,117	6,075,670	645,158	\$6,448,083	\$9.99458
Aug 2020	\$8,282,812	1,879,394	\$4.40717	6,075,670	7,313,039	642,025	\$6,333,952	\$9.86558
Sep 2020	\$8,502,715	1,917,094	\$4.43521	7,313,039	8,549,467	680,665	\$6,451,419	\$9.47811
TOTAL	\$142,143,908	32,616,253	\$4.35807			32,088,470	\$144,164,138	\$4.49271
BEGINNING INVENTORY	\$16,706,417	8,021,684	\$2.08266					
	\$158,850,325	40,637,937	\$3.90892					
ENDING INVENTORY	\$14,686,187	8,549,467	\$1.71779					

Elizabethtown Gas Company

**Statement of Gas Sendout
For the Projected Period October 1, 2019 through September 30, 2020**

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
	PURCHASES				SENDOUT			
PERIOD	Dth	Demand	Commodity	Average Commodity Rate (col 3/1)	Dth	Demand	Commodity	Average Commodity Rate (col 7/5)
Oct 2019	2,711,602	\$5,122,365	\$4,863,853	\$1.79372	1,505,622	\$5,122,365	\$2,809,498	\$1.86600
Nov 2019	2,559,131	\$5,987,269	\$5,530,978	\$2.16127	3,238,416	\$5,987,269	\$7,087,768	\$2.18865
Dec 2019	3,278,894	\$5,991,354	\$8,903,997	\$2.71555	5,110,073	\$5,991,354	\$12,880,999	\$2.52071
Jan 2020	4,246,427	\$5,988,890	\$14,508,417	\$3.41662	6,645,600	\$5,988,890	\$19,688,657	\$2.96266
Feb 2020	3,520,918	\$5,795,544	\$9,257,884	\$2.62939	5,539,157	\$5,795,544	\$13,657,309	\$2.46559
Mar 2020	3,241,021	\$5,915,610	\$7,878,955	\$2.43101	4,383,960	\$5,915,610	\$10,430,174	\$2.37917
Apr 2020	3,404,040	\$5,363,997	\$7,365,649	\$2.16380	2,165,876	\$5,363,997	\$4,676,338	\$2.15910
May 2020	2,187,383	\$5,457,127	\$4,076,723	\$1.86374	941,436	\$5,457,127	\$1,696,772	\$1.80232
Jun 2020	1,787,638	\$5,363,997	\$3,359,200	\$1.87913	590,481	\$5,363,997	\$1,017,016	\$1.72235
Jul 2020	1,882,711	\$5,458,359	\$3,168,213	\$1.68279	645,158	\$5,458,359	\$989,724	\$1.53408
Aug 2020	1,879,394	\$5,457,127	\$2,825,685	\$1.50351	642,025	\$5,457,127	\$876,825	\$1.36572
Sep 2020	1,917,094	\$5,363,997	\$3,138,717	\$1.63723	680,665	\$5,363,997	\$1,087,422	\$1.59759
TOTAL	32,616,253	\$67,265,638	\$74,878,270	\$2.29573	32,088,470	\$67,265,638	\$76,898,500	\$2.39645

Elizabethtown Gas Company

**Statement of (Over) Under Recoveries of Gas Costs
For the Projected Period October 1, 2019 through September 30, 2020
Based on BGSS-P Rate Effective Oct 1, 2019**

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
	RECOVERABLE COSTS			GAS COST RECOVERIES			(OVER) UNDER RECOVERY		
		LESS	NET				TOTAL	MONTHLY	CUMULATIVE
PERIOD	GAS	SUPPLIER	RECOVERABLE	BGSS-P	BGSS-M	NON-	RECOVERIES	(OVER) UNDER	(OVER) UNDER
	SENDOUT	REFUNDS	COSTS	FIRM SALES	FIRM SALES	FIRM SALES	(COL 4+5+6)	RECOVERY	RECOVERY
		CREDITS &	(COL 1-2)					(COL 3-7)	(OVER) UNDER
		OTHER							RECOVERY
BALANCE BEGINNING OCTOBER 1, 2018									\$7,249,823 ¹
Oct 2019	\$7,931,863	\$36,751	\$7,895,112	\$2,010,751	\$1,059,676	\$50	\$3,070,477	\$4,824,635	\$12,074,458
Nov 2019	\$13,075,037	\$35,566	\$13,039,471	\$6,927,387	\$2,228,677	\$51	\$9,156,115	\$3,883,356	\$15,957,814
Dec 2019	\$18,872,353	\$1,099,251	\$17,773,102	\$14,494,716	\$3,998,745	\$52	\$18,493,513	(\$720,411)	\$15,237,403
Jan 2020	\$25,677,547	\$36,751	\$25,640,796	\$21,830,515	\$5,886,019	\$52	\$27,716,586	(\$2,075,790)	\$13,161,613
Feb 2020	\$19,452,853	\$33,194	\$19,419,659	\$22,313,941	\$6,115,227	\$53	\$28,429,221	(\$9,009,562)	\$4,152,051
Mar 2020	\$16,345,784	\$5,938,010	\$10,407,774	\$18,353,216	\$4,932,037	\$52	\$23,285,305	(\$12,877,531)	(\$8,725,480)
Apr 2020	\$10,040,335	\$35,566	\$10,004,769	\$11,138,844	\$3,083,966	\$49	\$14,222,859	(\$4,218,090)	(\$12,943,570)
May 2020	\$7,153,899	\$36,751	\$7,117,148	\$4,277,519	\$1,632,351	\$49	\$5,909,919	\$1,207,229	(\$11,736,341)
Jun 2020	\$6,381,013	\$1,098,066	\$5,282,947	\$1,745,408	\$882,494	\$49	\$2,627,951	\$2,654,996	(\$9,081,345)
Jul 2020	\$6,448,083	\$36,751	\$6,411,332	\$1,741,246	\$909,816	\$49	\$2,651,111	\$3,760,221	(\$5,321,124)
Aug 2020	\$6,333,952	\$36,751	\$6,297,201	\$1,738,739	\$914,000	\$49	\$2,652,788	\$3,644,413	(\$1,676,711)
Sep 2020	<u>\$6,451,419</u>	<u>\$2,131,757</u>	<u>\$4,319,662</u>	<u>\$1,739,053</u>	<u>\$903,964</u>	<u>\$49</u>	<u>\$2,643,066</u>	<u>\$1,676,596</u>	<u>(\$115)</u>
TOTALS	<u>\$144,164,138</u>	<u>\$10,555,165</u>	<u>\$133,608,973</u>	<u>\$108,311,335</u>	<u>\$32,546,972</u>	<u>\$604</u>	<u>\$140,858,911</u>	<u>(\$7,249,938)</u>	

¹ Represents projected under-recovery position as of Sept. 30, 2018 as shown on Schedule TK-1.

Elizabethtown Gas Company

**Statement of (Over) Under Recoveries of Gas Costs
For the Projected Period October 1, 2019 through September 30, 2020
Assuming Current BGSS-P Rate**

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
	RECOVERABLE COSTS			GAS COST RECOVERIES			(OVER) UNDER RECOVERY		
		LESS	NET				TOTAL	MONTHLY	CUMULATIVE
PERIOD	GAS	SUPPLIER	RECOVERABLE	BGSS-P	BGSS-M	NON-	RECOVERIES	(OVER) UNDER	(OVER) UNDER
	SENDOUT	REFUNDS	COSTS	FIRM SALES	FIRM SALES	FIRM SALES	(COL 4+5+6)	RECOVERY	RECOVERY
		CREDITS &	(COL 1-2)					(COL 3-7)	(OVER) UNDER
		OTHER							RECOVERY
BALANCE BEGINNING OCTOBER 1, 2018									\$7,249,823 ¹
Oct 2019	\$7,931,863	\$36,751	\$7,895,112	\$1,991,226	\$1,059,676	\$50	\$3,050,952	\$4,844,160	\$12,093,983
Nov 2019	\$13,075,037	\$35,566	\$13,039,471	\$6,809,711	\$2,228,677	\$51	\$9,038,439	\$4,001,032	\$16,095,015
Dec 2019	\$18,872,353	\$1,099,251	\$17,773,102	\$14,248,493	\$3,998,745	\$52	\$18,247,290	(\$474,188)	\$15,620,827
Jan 2020	\$25,677,547	\$36,751	\$25,640,796	\$21,459,678	\$5,886,019	\$52	\$27,345,749	(\$1,704,953)	\$13,915,874
Feb 2020	\$19,452,853	\$33,194	\$19,419,659	\$21,934,892	\$6,115,227	\$53	\$28,050,172	(\$8,630,513)	\$5,285,361
Mar 2020	\$16,345,784	\$5,938,010	\$10,407,774	\$18,041,448	\$4,932,037	\$52	\$22,973,537	(\$12,565,763)	(\$7,280,402)
Apr 2020	\$10,040,335	\$35,566	\$10,004,769	\$10,949,627	\$3,083,966	\$49	\$14,033,642	(\$4,028,873)	(\$11,309,275)
May 2020	\$7,153,899	\$36,751	\$7,117,148	\$4,204,856	\$1,632,351	\$49	\$5,837,256	\$1,279,892	(\$10,029,383)
Jun 2020	\$6,381,013	\$1,098,066	\$5,282,947	\$1,715,759	\$882,494	\$49	\$2,598,302	\$2,684,645	(\$7,344,738)
Jul 2020	\$6,448,083	\$36,751	\$6,411,332	\$1,711,667	\$909,816	\$49	\$2,621,532	\$3,789,800	(\$3,554,938)
Aug 2020	\$6,333,952	\$36,751	\$6,297,201	\$1,709,203	\$914,000	\$49	\$2,623,252	\$3,673,949	\$119,011
Sep 2020	<u>\$6,451,419</u>	<u>\$2,131,757</u>	<u>\$4,319,662</u>	<u>\$1,709,511</u>	<u>\$903,964</u>	<u>\$49</u>	<u>\$2,613,524</u>	<u>\$1,706,138</u>	<u>\$1,825,149</u>
TOTALS	<u>\$144,164,138</u>	<u>\$10,555,165</u>	<u>\$133,608,973</u>	<u>\$106,486,071</u>	<u>\$32,546,972</u>	<u>\$604</u>	<u>\$139,033,647</u>	<u>(\$5,424,674)</u>	

¹ Represents projected under-recovery position as of Sept. 30, 2018 as shown on Schedule TK-1.

**Elizabethtown Gas Company
Projected Normalized Sales & Services**

October 2019 through September 2020

Summary (in Therms)

	(1)	(2)	(3)
	TOTAL SALES	TOTAL SERVICES	TOTAL THROUGHPUT
Oct 2019	6,715,316	12,687,743	19,403,060
Nov 2019	20,011,221	16,137,478	36,148,699
Dec 2019	40,250,456	20,210,316	60,460,772
Jan 2020	60,149,149	23,439,431	83,588,580
Feb 2020	61,778,147	22,129,037	83,907,184
Mar 2020	50,868,104	21,124,210	71,992,314
Apr 2020	31,385,234	16,886,734	48,271,968
May 2020	13,023,652	14,023,331	27,046,983
Jun 2020	5,760,819	12,259,869	18,020,689
Jul 2020	5,795,477	12,107,991	17,903,468
Aug 2020	5,795,437	11,216,192	17,011,629
Sep 2020	5,781,501	10,636,844	16,418,345
TOTAL	307,314,513	192,859,175	500,173,689

**Elizabethtown Gas Company
Projected Normalized Sales**

October 2019 through September 2020

Sales (in Therms)

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
	Firm Sales		Non- Firm Sales					
	BGSS-P	BGSS-M						
	RDS, SGS, GLS	GDS, LVD, EGF, NGV	IS	CS System	CS Spec Prov #3	CSI	Special Contract	TOTAL SALES
Oct 2019	4,525,800	2,189,413	0	0	0	103	0	6,715,316
Nov 2019	15,477,600	4,533,518	0	0	0	103	0	20,011,221
Dec 2019	32,385,000	7,865,353	0	0	0	103	0	40,250,456
Jan 2020	48,775,100	11,373,949	0	0	0	100	0	60,149,149
Feb 2020	49,855,200	11,922,844	0	0	0	103	0	61,778,147
Mar 2020	41,005,900	9,862,101	0	0	0	103	0	50,868,104
Apr 2020	24,887,100	6,498,031	0	0	0	103	0	31,385,234
May 2020	9,557,100	3,466,449	0	0	0	103	0	13,023,652
Jun 2020	3,899,700	1,861,016	0	0	0	103	0	5,760,819
Jul 2020	3,890,400	1,904,974	0	0	0	103	0	5,795,477
Aug 2020	3,884,800	1,910,534	0	0	0	103	0	5,795,437
Sep 2020	3,885,500	1,895,898	0	0	0	103	0	5,781,501
TOTAL	242,029,200	65,284,080	0	0	0	1,233	0	307,314,513

**Elizabethtown Gas Company
Projected Normalized Services**

October 2019 through September 2020

Services (in Therms)

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
	Interruptible Transportation Service (ITS)				Transportation Service Special Provision #4 - CS	Firm Transportation Services			
	LVD	IS	CSI	Special Contract	CS-4	FTS	GDS	SGS	TOTAL SERVICES
Oct 2019	5,227,480	141,591	0	0	260,203	4,168,270	2,820,300	69,900	12,687,743
Nov 2019	5,882,390	190,678	0	0	0	4,578,710	5,310,500	175,200	16,137,478
Dec 2019	6,648,680	238,985	0	0	0	4,964,251	7,999,500	358,900	20,210,316
Jan 2020	7,033,590	252,050	0	0	0	5,031,691	10,578,800	543,300	23,439,431
Feb 2020	6,038,910	221,106	0	0	0	5,055,921	10,234,100	579,000	22,129,037
Mar 2020	6,386,540	247,599	0	0	0	5,504,571	8,537,300	448,200	21,124,210
Apr 2020	6,068,230	200,574	0	0	0	4,634,330	5,697,400	286,200	16,886,734
May 2020	5,559,740	142,897	0	0	135,446	4,560,847	3,494,000	130,400	14,023,331
Jun 2020	5,528,960	126,096	0	0	321,332	4,169,982	2,051,400	62,100	12,259,869
Jul 2020	5,305,980	120,903	0	0	437,345	4,112,262	2,071,100	60,400	12,107,991
Aug 2020	4,686,420	123,360	0	0	289,155	3,963,157	2,093,000	61,100	11,216,192
Sep 2020	3,946,690	119,757	0	0	272,467	4,138,530	2,099,700	59,700	10,636,844
TOTAL	68,313,610	2,125,596	0	0	1,715,948	54,882,522	62,987,100	2,834,400	192,859,175

Elizabethtown Gas Company
Development of Applicable Therm Sales
For the Period of October 2019 through September 2020

	<u>Therms</u>
TOTAL Firm Sales - RDS, SGS, GLS (October 2019 - September 2020)	242,029,200
LESS: Firm Sales - RDS, SGS, GLS from October 2019 sendout subject to current recoverable unit gas costs	<u>1,957,725</u>
 APPLICABLE THERM SALES - October 2019 through September 2020	 <u><u>240,071,475</u></u>

Elizabethtown Gas Company
Gas Cost Recoveries Summary

	FIRM GAS COST RECOVERIES	NON-FIRM GAS COST RECOVERIES
Oct 2019	\$3,070,427	\$50
Nov 2019	\$9,156,064	\$51
Dec 2019	\$18,493,461	\$52
Jan 2020	\$27,716,534	\$52
Feb 2020	\$28,429,168	\$53
Mar 2020	\$23,285,253	\$52
Apr 2020	\$14,222,810	\$49
May 2020	\$5,909,870	\$49
Jun 2020	\$2,627,902	\$49
Jul 2020	\$2,651,062	\$49
Aug 2020	\$2,652,739	\$49
Sep 2020	\$2,643,017	\$49
Total	\$140,858,307	\$604

Note: For details of October, see page 3 of this schedule.

Elizabethtown Gas Company
Firm Sales Gas Cost Recoveries

	BGSS-P			BGSS-M			Total Firm Sales	
	RDS, SGS & GLS			GDS, LVD, EGF & NGV				
	Sales	Applicable Recoverable Unit Gas	Gas Cost	Sales	Gas Cost	Gas Cost	Firm Sales	Gas Cost
(in Therms)	Cost ²	Recovery	(in Therms)	Recovery Rate ³	Recovery	(in Therms)	Recovery	
Oct 2019	(1) 4,525,801	\$0.444286	\$2,010,751	2,189,413	\$0.484000	\$1,059,676	6,715,214	\$3,070,427
Nov 2019	15,477,600	\$0.447575	\$6,927,387	4,533,518	\$0.491600	\$2,228,677	20,011,118	\$9,156,064
Dec 2019	32,385,000	\$0.447575	\$14,494,716	7,865,353	\$0.508400	\$3,998,745	40,250,353	\$18,493,461
Jan 2020	48,775,100	\$0.447575	\$21,830,515	11,373,949	\$0.517500	\$5,886,019	60,149,049	\$27,716,534
Feb 2020	49,855,200	\$0.447575	\$22,313,941	11,922,844	\$0.512900	\$6,115,227	61,778,044	\$28,429,168
Mar 2020	41,005,900	\$0.447575	\$18,353,216	9,862,101	\$0.500100	\$4,932,037	50,868,001	\$23,285,253
Apr 2020	24,887,100	\$0.447575	\$11,138,844	6,498,031	\$0.474600	\$3,083,966	31,385,131	\$14,222,810
May 2020	9,557,100	\$0.447575	\$4,277,519	3,466,449	\$0.470900	\$1,632,351	13,023,549	\$5,909,870
Jun 2020	3,899,700	\$0.447575	\$1,745,408	1,861,016	\$0.474200	\$882,494	5,760,716	\$2,627,902
Jul 2020	3,890,400	\$0.447575	\$1,741,246	1,904,974	\$0.477600	\$909,816	5,795,374	\$2,651,062
Aug 2020	3,884,800	\$0.447575	\$1,738,739	1,910,534	\$0.478400	\$914,000	5,795,334	\$2,652,739
Sep 2020	3,885,500	\$0.447575	\$1,739,053	1,895,898	\$0.476800	\$903,964	5,781,398	\$2,643,017
Total	<u>242,029,201</u>		<u>\$108,311,335</u>	<u>65,284,080</u>		<u>\$32,546,972</u>	<u>307,313,281</u>	<u>\$140,858,307</u>

Notes:

(1) For details of October (RDS, SGS, GLS), see page 3 of this schedule.

(2) Recoverable Unit Gas Cost that underlies the BGSS rate in effect at the time of the sale.

(3) Gas Cost Recovery rate is calculated in accordance with the methodology described in the respective service classifications as approved by the BPU in Docket No. GX01050304.

Elizabethtown Gas Company
Gas Cost Recoveries
October Firm BGSS-P Sales (RDS, SGS, GLS)

	(1)	(2)	(3) = (1) - (2)
Billing Cycle	Estimated Sales/Billing Cycle 10/1/2019 (Therms)	Sales for Service Rendered Prior to 10/1/2019 (Therms)	Estimated Sales for Service Rendered After 10/1/2019 (Therms)
1	107,100	103,753	3,347
2	196,021	183,770	12,251
3	108,026	96,851	11,175
4	169,874	146,443	23,431
5	130,609	97,957	32,652
6	273,911	196,874	77,037
7	112,850	75,233	37,617
8	191,656	121,382	70,274
9	108,362	65,017	43,345
10	222,293	118,093	104,200
11	164,986	82,493	82,493
12	224,485	97,277	127,208
13	164,530	65,812	98,718
14	268,650	98,505	170,145
15	278,475	87,023	191,452
16	491,918	138,352	353,566
17	283,406	56,681	226,725
18	332,421	55,404	277,017
19	252,651	33,687	218,964
20	300,614	28,183	272,431
21	142,963	8,935	134,028
Total	<u>4,525,801</u>	<u>1,957,725</u>	<u>2,568,076</u>
Applicable Recoverable Unit Gas Cost		\$0.439972 /th	\$0.447575 /th
Gas Cost Recovery		<u>\$861,344</u>	<u>\$1,149,407</u>
Total Gas Cost Recovery for October 2019	<u>\$2,010,751</u>		

Elizabethtown Gas Company
Non-Firm Sales Gas Cost Recoveries

	IS			CSI			Special Contract			CS			Total Non-Firm Sales	
	Applicable Recoverable			Applicable Recoverable			Applicable Recoverable			Applicable Recoverable			Sales	Gas Cost
	Sales	Unit Gas	Gas Cost	Sales	Unit Gas	Gas Cost	Sales	Unit Gas	Gas Cost	Sales	Unit Gas	Gas Cost	(Therms)	Recovery
	(Therms)	Cost	Recovery	(Therms)	Cost	Recovery	(Therms)	Cost	Recovery	(Therms)	Cost	Recovery	(Therms)	Recovery
Oct 2019	0	\$0.499000	\$0	103	\$0.484000	\$50	0	\$0.189699	\$0	0	\$0.499000	\$0	103	\$50
Nov 2019	0	\$0.521600	\$0	103	\$0.491600	\$51	0	\$0.266309	\$0	0	\$0.521600	\$0	103	\$51
Dec 2019	0	\$0.538400	\$0	103	\$0.508400	\$52	0	\$0.313454	\$0	0	\$0.538400	\$0	103	\$52
Jan 2020	0	\$0.547500	\$0	100	\$0.517500	\$52	0	\$0.331679	\$0	0	\$0.547500	\$0	100	\$52
Feb 2020	0	\$0.542900	\$0	103	\$0.512900	\$53	0	\$0.301969	\$0	0	\$0.542900	\$0	103	\$53
Mar 2020	0	\$0.530100	\$0	103	\$0.500100	\$52	0	\$0.285445	\$0	0	\$0.530100	\$0	103	\$52
Apr 2020	0	\$0.489600	\$0	103	\$0.474600	\$49	0	\$0.243044	\$0	0	\$0.489600	\$0	103	\$49
May 2020	0	\$0.485900	\$0	103	\$0.470900	\$49	0	\$0.208552	\$0	0	\$0.485900	\$0	103	\$49
Jun 2020	0	\$0.489200	\$0	103	\$0.474200	\$49	0	\$0.209516	\$0	0	\$0.489200	\$0	103	\$49
Jul 2020	0	\$0.492600	\$0	103	\$0.477600	\$49	0	\$0.190578	\$0	0	\$0.492600	\$0	103	\$49
Aug 2020	0	\$0.493400	\$0	103	\$0.478400	\$49	0	\$0.172204	\$0	0	\$0.493400	\$0	103	\$49
Sep 2020	0	\$0.491800	\$0	103	\$0.476800	\$49	0	\$0.187040	\$0	0	\$0.491800	\$0	103	\$49
Total	<u>0</u>	<u>\$0</u>	<u>\$0</u>	<u>1,233</u>	<u>\$604</u>	<u>\$604</u>	<u>0</u>	<u>\$0</u>	<u>\$0</u>	<u>0</u>	<u>\$0</u>	<u>\$0</u>	<u>1,233</u>	<u>\$604</u>

Elizabethtown Gas Company
Supply/Demand Balance
(in MDth's)

	Oct 2019	Nov 2019	Dec 2019	Jan 2020	Feb 2020	Mar 2020	Apr 2020	May 2020	Jun 2020	Jul 2020	Aug 2020	Sep 2020	TOTAL
<u>Sendout</u>													
Firm	1,440.5	3,209.5	5,049.9	6,560.0	5,465.8	4,341.2	2,076.8	877.6	533.2	585.7	582.5	622.5	31,345.2
Non-Firm	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Net Gas Sendout	1,440.5	3,209.5	5,049.9	6,560.1	5,465.8	4,341.2	2,076.8	877.6	533.2	585.7	582.5	622.6	31,345.4
<u>Firm Supplies</u>	1372.8	257.6	1433.7	2592.1	1807.6	1015.2	1519.1	1573.3	1611.1	1561.1	1510.2	1509.8	17,763.5
<u>Spot Supplies</u>	1,335.5	2,301.5	1,845.2	1,611.7	1,703.5	2,225.8	1,881.3	610.2	172.8	317.8	365.4	403.6	14,774.4
<u>Other</u>													
Cogen Take-back	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
Peaking Supplies	0.0	0.0	0.0	42.6	9.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52.4
Total Supplemental Gas	0.0	0.0	0.0	42.6	9.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52.4
TOTAL GAS PURCHASES	2,708.3	2,559.1	3,278.9	4,246.4	3,520.9	3,241.0	3,400.3	2,183.6	1,783.9	1,878.9	1,875.6	1,913.4	32,590.3
<u>On-Site LNG Activity</u>													
LNG Refill	(45.9)	-	-	-	-	-	-	-	-	-	-	(37.8)	(83.7)
LNG (Boil-off)	4.3	3.8	3.6	16.0	3.1	3.4	3.6	4.0	4.1	4.7	4.8	5.0	60.4
LNG Peaking	0.0	0.0	0.0	(16.0)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	(16.0)
<u>Storage Activity</u>													
Injections	(1,108.9)	-	-	-	-	-	(1,235.3)	(1,267.3)	(1,226.4)	(1,267.3)	(1,267.3)	(1,192.9)	(8,565.5)
Withdrawals	-	758.8	1,949.8	2,535.1	2,158.6	1,248.7	-	-	-	-	-	-	8,651.0
<u>Fuel Retainage</u>	(65.1)	(28.9)	(60.2)	(85.5)	(73.4)	(42.7)	(89.1)	(63.8)	(57.3)	(59.5)	(59.5)	(58.1)	(743.1)
<u>Net System Supply</u>	1,492.6	3,292.9	5,172.1	6,695.9	5,609.2	4,450.5	2,079.5	856.4	504.3	556.8	553.6	629.5	31,893.4

Elizabethtown Gas Company
Detail Support of Projected Demand Charges included in the June 1, 2019 BGSS Filing

SCHEDULE LIJW-7

BUNDLED PEAKING	Cost Type		Billing Determinant			Oct-2019	Nov-2019	Dec-2019	Jan-2020	Feb-2020	Mar-2020	Apr-2020	May-2020	Jun-2020	Jul-2020	Aug-2020	Sep-2020	TOTAL	
	Demand	Capacity	Demand	Other	Capacity														
							\$411,175.00	\$411,175.00	\$411,175.00	\$411,175.00	\$411,175.00	\$411,175.00	\$411,175.00	\$411,175.00	\$411,175.00	\$411,175.00	\$411,175.00	\$411,175.00	\$2,055,875.00
STORAGE	Contract No.	Cost Type		Billing Determinant			Oct-2019	Nov-2019	Dec-2019	Jan-2020	Feb-2020	Mar-2020	Apr-2020	May-2020	Jun-2020	Jul-2020	Aug-2020	Sep-2020	TOTAL
		Demand	Capacity	Demand	Other	Capacity													
COL FSS	78480	Demand	Capacity	3,644	230,168	\$1,50100	\$1,50100	\$1,50100	\$1,50100	\$1,50100	\$1,50100	\$1,50100	\$1,50100	\$1,50100	\$1,50100	\$1,50100	\$1,50100	\$1,50100	\$65,635.73
						\$0.02880	\$0.02880	\$0.02880	\$0.02880	\$0.02880	\$0.02880	\$0.02880	\$0.02880	\$0.02880	\$0.02880	\$0.02880	\$0.02880	\$0.02880	\$79,546.06
						\$12,098.48	\$12,098.48	\$12,098.48	\$12,098.48	\$12,098.48	\$12,098.48	\$12,098.48	\$12,098.48	\$12,098.48	\$12,098.48	\$12,098.48	\$12,098.48	\$12,098.48	\$145,181.79
DTI GSS (#1)	300165	Demand	Capacity	10,826	645,244	\$1.86730	\$1.86730	\$1.86730	\$1.86730	\$1.86730	\$1.86730	\$1.86730	\$1.86730	\$1.86730	\$1.86730	\$1.86730	\$1.86730	\$1.86730	\$242,584.68
						\$0.01450	\$0.01450	\$0.01450	\$0.01450	\$0.01450	\$0.01450	\$0.01450	\$0.01450	\$0.01450	\$0.01450	\$0.01450	\$0.01450	\$0.01450	\$112,272.46
						\$29,571.43	\$29,571.43	\$29,571.43	\$29,571.43	\$29,571.43	\$29,571.43	\$29,571.43	\$29,571.43	\$29,571.43	\$29,571.43	\$29,571.43	\$29,571.43	\$29,571.43	\$354,857.14
DTI GSS (#2)	300167	Demand	Capacity	16,667	1,666,666	\$1.86730	\$1.86730	\$1.86730	\$1.86730	\$1.86730	\$1.86730	\$1.86730	\$1.86730	\$1.86730	\$1.86730	\$1.86730	\$1.86730	\$1.86730	\$373,467.47
						\$0.01450	\$0.01450	\$0.01450	\$0.01450	\$0.01450	\$0.01450	\$0.01450	\$0.01450	\$0.01450	\$0.01450	\$0.01450	\$0.01450	\$0.01450	\$289,999.88
						\$55,288.95	\$55,288.95	\$55,288.95	\$55,288.95	\$55,288.95	\$55,288.95	\$55,288.95	\$55,288.95	\$55,288.95	\$55,288.95	\$55,288.95	\$55,288.95	\$55,288.95	\$663,467.35
DTI GSS-TE	600044	Demand	Capacity	23,190	2,387,206	\$1.86730	\$1.86730	\$1.86730	\$1.86730	\$1.86730	\$1.86730	\$1.86730	\$1.86730	\$1.86730	\$1.86730	\$1.86730	\$1.86730	\$1.86730	\$519,632.24
						\$0.01450	\$0.01450	\$0.01450	\$0.01450	\$0.01450	\$0.01450	\$0.01450	\$0.01450	\$0.01450	\$0.01450	\$0.01450	\$0.01450	\$0.01450	\$415,373.84
						\$77,917.17	\$77,917.17	\$77,917.17	\$77,917.17	\$77,917.17	\$77,917.17	\$77,917.17	\$77,917.17	\$77,917.17	\$77,917.17	\$77,917.17	\$77,917.17	\$77,917.17	\$935,006.08
Petal	5904	Demand	Capacity	10,000	100,000	\$0.58000	\$0.58000	\$0.58000	\$0.58000	\$0.58000	\$0.58000	\$0.58000	\$0.58000	\$0.58000	\$0.58000	\$0.58000	\$0.58000	\$0.58000	\$69,600.00
						\$0.20500	\$0.20500	\$0.20500	\$0.20500	\$0.20500	\$0.20500	\$0.20500	\$0.20500	\$0.20500	\$0.20500	\$0.20500	\$0.20500	\$0.20500	\$246,000.00
						\$26,300.00	\$26,300.00	\$26,300.00	\$26,300.00	\$26,300.00	\$26,300.00	\$26,300.00	\$26,300.00	\$26,300.00	\$26,300.00	\$26,300.00	\$26,300.00	\$26,300.00	\$315,600.00
Stagecoach	166	Demand	Capacity	3,040	304,000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00
						\$0.11930	\$0.11930	\$0.11930	\$0.11930	\$0.11930	\$0.11930	\$0.11930	\$0.11930	\$0.11930	\$0.11930	\$0.11930	\$0.11930	\$0.11930	\$435,206.40
						\$36,267.20	\$36,267.20	\$36,267.20	\$36,267.20	\$36,267.20	\$36,267.20	\$36,267.20	\$36,267.20	\$36,267.20	\$36,267.20	\$36,267.20	\$36,267.20	\$36,267.20	\$435,206.40
Steuben	5	Demand	Capacity	5,556	500,000	\$4.36380	\$4.36380	\$4.36380	\$4.36380	\$4.36380	\$4.36380	\$4.36380	\$4.36380	\$4.36380	\$4.36380	\$4.36380	\$4.36380	\$4.36380	\$290,943.27
						\$0.04190	\$0.04190	\$0.04190	\$0.04190	\$0.04190	\$0.04190	\$0.04190	\$0.04190	\$0.04190	\$0.04190	\$0.04190	\$0.04190	\$0.04190	\$251,400.00
						\$45,195.27	\$45,195.27	\$45,195.27	\$45,195.27	\$45,195.27	\$45,195.27	\$45,195.27	\$45,195.27	\$45,195.27	\$45,195.27	\$45,195.27	\$45,195.27	\$45,195.27	\$542,343.27
TE SS-1	400196	Demand	Capacity	3,646	31,659	\$8.17700	\$8.17700	\$8.17700	\$8.17700	\$8.17700	\$8.17700	\$8.17700	\$8.17700	\$8.17700	\$8.17700	\$8.17700	\$8.17700	\$8.17700	\$357,760.10
						\$0.47430	\$0.47430	\$0.47430	\$0.47430	\$0.47430	\$0.47430	\$0.47430	\$0.47430	\$0.47430	\$0.47430	\$0.47430	\$0.47430	\$0.47430	\$180,190.36
						\$44,829.21	\$44,829.21	\$44,829.21	\$44,829.21	\$44,829.21	\$44,829.21	\$44,829.21	\$44,829.21	\$44,829.21	\$44,829.21	\$44,829.21	\$44,829.21	\$44,829.21	\$537,950.46
TN FS-MA	8703	Demand	Capacity	1,014	100,485	\$1.46300	\$1.46300	\$1.46300	\$1.46300	\$1.46300	\$1.46300	\$1.46300	\$1.46300	\$1.46300	\$1.46300	\$1.46300	\$1.46300	\$1.46300	\$17,801.78
						\$0.02000	\$0.02000	\$0.02000	\$0.02000	\$0.02000	\$0.02000	\$0.02000	\$0.02000	\$0.02000	\$0.02000	\$0.02000	\$0.02000	\$0.02000	\$24,116.40
						\$3,493.18	\$3,493.18	\$3,493.18	\$3,493.18	\$3,493.18	\$3,493.18	\$3,493.18	\$3,493.18	\$3,493.18	\$3,493.18	\$3,493.18	\$3,493.18	\$3,493.18	\$41,918.18
TR GSS	1000739	Demand	Capacity	27,604	1,759,955	\$0.12995	\$0.12995	\$0.12995	\$0.12995	\$0.12995	\$0.12995	\$0.12995	\$0.12995	\$0.12995	\$0.12995	\$0.12995	\$0.12995	\$0.12995	\$1,312,893.17
						\$0.00077	\$0.00077	\$0.00077	\$0.00077	\$0.00077	\$0.00077	\$0.00077	\$0.00077	\$0.00077	\$0.00077	\$0.00077	\$0.00077	\$0.00077	\$495,990.52
						\$153,211.46	\$148,269.15	\$153,211.46	\$153,211.46	\$143,326.85	\$153,211.46	\$148,269.15	\$153,211.46	\$148,269.15	\$153,211.46	\$153,211.46	\$148,269.15	\$148,269.15	\$1,808,883.69
TR LSS	1000741	Demand	Capacity	8,000	600,000	\$0.17122	\$0.17122	\$0.17122	\$0.17122	\$0.17122	\$0.17122	\$0.17122	\$0.17122	\$0.17122	\$0.17122	\$0.17122	\$0.17122	\$0.17122	\$501,332.16
						\$0.00060	\$0.00060	\$0.00060	\$0.00060	\$0.00060	\$0.00060	\$0.00060	\$0.00060	\$0.00060	\$0.00060	\$0.00060	\$0.00060	\$0.00060	\$131,760.00
						\$53,622.56	\$51,892.80	\$53,622.56	\$53,622.56	\$50,163.04	\$53,622.56	\$51,892.80	\$53,622.56	\$51,892.80	\$53,622.56	\$53,622.56	\$51,892.80	\$51,892.80	\$633,092.16
TR S-2	1000742	Demand	Capacity	7,267	54,432	\$0.14095	\$0.14095	\$0.14095	\$0.14095	\$0.14095	\$0.14095	\$0.14095	\$0.14095	\$0.14095	\$0.14095	\$0.14095	\$0.14095	\$0.14095	\$374,887.82
						\$0.00381	\$0.00381	\$0.00381	\$0.00381	\$0.00381	\$0.00381	\$0.00381	\$0.00381	\$0.00381	\$0.00381	\$0.00381	\$0.00381	\$0.00381	\$75,903.25
						\$36,950.09	\$38,181.76	\$38,181.76	\$35,718.42	\$38,181.76	\$36,950.09	\$38,181.76	\$36,950.09	\$38,181.76	\$38,181.76	\$36,950.09	\$38,181.76	\$38,181.76	\$450,791.07
TR LNG	1032229	Demand	Capacity	38,950	154,951	\$0.05295	\$0.05295	\$0.05295	\$0.05295	\$0.05295	\$0.05295	\$0.05295	\$0.05295	\$0.05295	\$0.05295	\$0.05295	\$0.05295	\$0.05295	\$754,839.32
						\$0.01020	\$0.01020	\$0.01020	\$0.01020	\$0.01020	\$0.01020	\$0.01020	\$0.01020	\$0.01020	\$0.01020	\$0.01020	\$0.01020	\$0.01020	\$578,463.07
						\$112,929.98	\$109,287.08	\$112,929.98	\$112,929.98	\$105,644.18	\$112,929.98	\$109,287.08	\$112,929.98	\$109,287.08	\$112,929.98	\$112,929.98	\$109,287.08	\$109,287.08	\$1,333,302.39
TR WSS	1041432	Demand	Capacity	35,923	3,412,638	\$0.03299	\$0.03299	\$0.03299	\$0.03299	\$0.03299	\$0.03299	\$0.03299	\$0.03299	\$0.03299	\$0.03299	\$0.03299	\$0.03299	\$0.03299	\$433,746.52
						\$0.00035	\$0.00035	\$0.00035	\$0.00035	\$0.00035	\$0.00035	\$0.00035	\$0.00035	\$0.00035	\$0.00035	\$0.00035	\$0.00035	\$0.00035	\$437,158.93
						\$73,765.22	\$71,385.69	\$73,765.22	\$73,765.22	\$69,006.17	\$73,765.22	\$71,385.69	\$73,765.22	\$71,385.69	\$73,765.22	\$73,765.22	\$71,385.69	\$71,385.69	\$870,905.45

**Elizabethtown Gas Company
 Detail Support of Projected Demand Charges included in the June 1, 2019 BGSS Filing**

SCHEDULE LIW-7

	Contract No.	Cost Type	Billing Determinant			Oct-2019	Nov-2019	Dec-2019	Jan-2020	Feb-2020	Mar-2020	Apr-2020	May-2020	Jun-2020	Jul-2020	Aug-2020	Sep-2020	TOTAL
			Demand	Other	Capacity													
STORAGE																		
TR ESS	9050547	Demand	29,822			\$0.02979	\$0.02979	\$0.02979	\$0.02979	\$0.02979	\$0.02979	\$0.02979	\$0.02979	\$0.02979	\$0.02979	\$0.02979	\$0.02979	\$325,153.44
(Eminence Enhancement Proj.)		Demand	29,822			\$0.01401	\$0.01401	\$0.01401	\$0.01401	\$0.01401	\$0.01401	\$0.01401	\$0.01401	\$0.01401	\$0.01401	\$0.01401	\$0.01401	\$152,917.08
		Capacity		250,075		\$0.00412	\$0.00412	\$0.00412	\$0.00412	\$0.00412	\$0.00412	\$0.00412	\$0.00412	\$0.00412	\$0.00412	\$0.00412	\$0.00412	\$377,093.09
(Eminence Enhancement Proj.)		Capacity		250,075		\$0.00140	\$0.00140	\$0.00140	\$0.00140	\$0.00140	\$0.00140	\$0.00140	\$0.00140	\$0.00140	\$0.00140	\$0.00140	\$0.00140	\$128,138.43
						\$83,285.15	\$80,598.53	\$83,285.15	\$83,285.15	\$77,911.91	\$83,285.15	\$80,598.53	\$83,285.15	\$80,598.53	\$83,285.15	\$83,285.15	\$80,598.53	\$983,302.04
Subtotal Storage						\$844,725.34	\$830,575.90	\$845,957.01	\$843,493.67	\$815,194.79	\$844,725.34	\$830,575.90	\$844,725.34	\$830,575.90	\$845,957.01	\$844,725.34	\$830,575.90	\$10,051,807.47

	Contract No.	Cost Type	Billing Determinant		Oct-2019	Nov-2019	Dec-2019	Jan-2020	Feb-2020	Mar-2020	Apr-2020	May-2020	Jun-2020	Jul-2020	Aug-2020	Sep-2020	TOTAL	
			Demand	Other														
FIRM TRANSPORT CAPACITY																		
COL SST	78749	Demand	3,644		\$6.57900	\$6.57900	\$6.57900	\$6.57900	\$6.57900	\$6.57900								\$143,843.26
			1,822								\$6.57900	\$6.57900	\$6.57900	\$6.57900	\$6.57900	\$6.57900	\$6.57900	\$71,921.63
					\$23,973.88	\$23,973.88	\$23,973.88	\$23,973.88	\$23,973.88	\$23,973.88	\$11,986.94	\$11,986.94	\$11,986.94	\$11,986.94	\$11,986.94	\$11,986.94	\$11,986.94	\$215,764.88
COL FTS	92061	Demand	12,736		\$6.73900	\$6.73900	\$6.73900	\$6.73900	\$6.73900	\$6.73900	\$6.73900	\$6.73900	\$6.73900	\$6.73900	\$6.73900	\$6.73900	\$6.73900	\$1,029,934.85
					\$85,827.90	\$85,827.90	\$85,827.90	\$85,827.90	\$85,827.90	\$85,827.90	\$85,827.90	\$85,827.90	\$85,827.90	\$85,827.90	\$85,827.90	\$85,827.90	\$85,827.90	\$1,029,934.85
COL NTS	39275	Demand	10,000		\$8.15800	\$8.15800	\$8.15800	\$8.15800	\$8.15800	\$8.15800	\$8.15800	\$8.15800	\$8.15800	\$8.15800	\$8.15800	\$8.15800	\$8.15800	\$978,960.00
					\$81,580.00	\$81,580.00	\$81,580.00	\$81,580.00	\$81,580.00	\$81,580.00	\$81,580.00	\$81,580.00	\$81,580.00	\$81,580.00	\$81,580.00	\$81,580.00	\$81,580.00	\$978,960.00
DTI ST	200394	Demand	5,522		\$2.28230	\$2.28230	\$2.28230	\$2.28230	\$2.28230	\$2.28230	\$2.28230	\$2.28230	\$2.28230	\$2.28230	\$2.28230	\$2.28230	\$2.28230	\$151,234.33
					\$12,602.86	\$12,602.86	\$12,602.86	\$12,602.86	\$12,602.86	\$12,602.86	\$12,602.86	\$12,602.86	\$12,602.86	\$12,602.86	\$12,602.86	\$12,602.86	\$12,602.86	\$151,234.33
DTI FT	200397	Demand	17,120		\$6.20220	\$6.20220	\$6.20220	\$6.20220	\$6.20220	\$6.20220	\$6.20220	\$6.20220	\$6.20220	\$6.20220	\$6.20220	\$6.20220	\$6.20220	\$1,274,179.97
					\$106,181.66	\$106,181.66	\$106,181.66	\$106,181.66	\$106,181.66	\$106,181.66	\$106,181.66	\$106,181.66	\$106,181.66	\$106,181.66	\$106,181.66	\$106,181.66	\$106,181.66	\$1,274,179.97
DTI FTNN	100115	Demand	6,444		\$4.17420	\$4.17420	\$4.17420	\$4.17420	\$4.17420	\$4.17420	\$4.17420	\$4.17420	\$4.17420	\$4.17420	\$4.17420	\$4.17420	\$4.17420	\$322,782.54
					\$26,898.54	\$26,898.54	\$26,898.54	\$26,898.54	\$26,898.54	\$26,898.54	\$26,898.54	\$26,898.54	\$26,898.54	\$26,898.54	\$26,898.54	\$26,898.54	\$26,898.54	\$322,782.54
Gulf South	34691	Demand	15,000		\$0.19000	\$0.19000	\$0.19000	\$0.19000	\$0.19000	\$0.19000	\$0.19000	\$0.19000	\$0.19000	\$0.19000	\$0.19000	\$0.19000	\$0.19000	\$1,043,100.00
					\$88,350.00	\$85,500.00	\$88,350.00	\$88,350.00	\$82,650.00	\$88,350.00	\$85,500.00	\$88,350.00	\$85,500.00	\$88,350.00	\$88,350.00	\$88,350.00	\$85,500.00	\$1,043,100.00
NFG EFT	E00526	Demand	11,090		\$3.80670	\$3.80670	\$3.80670	\$3.80670	\$3.80670	\$3.80670	\$3.80670	\$3.80670	\$3.80670	\$3.80670	\$3.80670	\$3.80670	\$3.80670	\$506,595.64
		Greenhouse Gas & Pipe Safety			\$0.04340	\$0.04340	\$0.04340	\$0.04340	\$0.04340	\$0.04340	\$0.04340	\$0.04340	\$0.04340	\$0.04340	\$0.04340	\$0.04340	\$0.04340	\$5,775.67
					\$42,697.61	\$42,697.61	\$42,697.61	\$42,697.61	\$42,697.61	\$42,697.61	\$42,697.61	\$42,697.61	\$42,697.61	\$42,697.61	\$42,697.61	\$42,697.61	\$42,697.61	\$512,371.31
NFG FT-3	F01642	Demand	15,805		\$3.62930	\$3.62930	\$3.62930	\$3.62930	\$3.62930	\$3.62930	\$3.62930	\$3.62930	\$3.62930	\$3.62930	\$3.62930	\$3.62930	\$3.62930	\$688,333.04
		Greenhouse Gas & Pipe Safety			\$0.04340	\$0.04340	\$0.04340	\$0.04340	\$0.04340	\$0.04340	\$0.04340	\$0.04340	\$0.04340	\$0.04340	\$0.04340	\$0.04340	\$0.04340	\$8,231.24
					\$58,047.02	\$58,047.02	\$58,047.02	\$58,047.02	\$58,047.02	\$58,047.02	\$58,047.02	\$58,047.02	\$58,047.02	\$58,047.02	\$58,047.02	\$58,047.02	\$58,047.02	\$696,564.28
PSEG Exchange		Reservation	1			\$165,928.00												\$165,928.00
Sentinel	9077828	Demand	5,000		\$0.64340	\$0.64340	\$0.64340	\$0.64340	\$0.64340	\$0.64340	\$0.64340	\$0.64340	\$0.64340	\$0.64340	\$0.64340	\$0.64340	\$0.64340	\$1,177,422.00
	9077828	Demand	5,000		\$0.64153	\$0.64153	\$0.64153	\$0.64153	\$0.64153	\$0.64153	\$0.64153	\$0.64153	\$0.64153	\$0.64153	\$0.64153	\$0.64153	\$0.64153	\$1,173,999.90
	9090630	Demand	5,000		\$1.06449	\$1.06449	\$1.06449	\$1.06449	\$1.06449	\$1.06449	\$1.06449	\$1.06449	\$1.06449	\$1.06449	\$1.06449	\$1.06449	\$1.06449	\$1,948,016.70
					\$364,160.10	\$352,413.00	\$364,160.10	\$364,160.10	\$340,665.90	\$364,160.10	\$352,413.00	\$364,160.10	\$352,413.00	\$364,160.10	\$364,160.10	\$352,413.00	\$364,160.10	\$4,299,438.60
TE FT-1	910080	Demand	5,000		\$8.68200	\$8.68200	\$8.68200	\$8.68200	\$8.68200	\$8.68200	\$8.68200	\$8.68200	\$8.68200	\$8.68200	\$8.68200	\$8.68200	\$8.68200	\$520,920.00
					\$43,410.00	\$43,410.00	\$43,410.00	\$43,410.00	\$43,410.00	\$43,410.00	\$43,410.00	\$43,410.00	\$43,410.00	\$43,410.00	\$43,410.00	\$43,410.00	\$43,410.00	\$520,920.00
TE FT-1	800392	Demand	1,348		\$15.54400	\$15.54400	\$15.54400	\$15.54400	\$15.54400	\$15.54400	\$15.54400	\$15.54400	\$15.54400	\$15.54400	\$15.54400	\$15.54400	\$15.54400	\$251,439.74
		Demand	760		\$3.00300	\$3.00300	\$3.00300	\$3.00300	\$3.00300	\$3.00300	\$3.00300	\$3.00300	\$3.00300	\$3.00300	\$3.00300	\$3.00300	\$3.00300	\$27,387.36
		Demand	212		\$3.10600	\$3.10600	\$3.10600	\$3.10600	\$3.10600	\$3.10600	\$3.10600	\$3.10600	\$3.10600	\$3.10600	\$3.10600	\$3.10600	\$3.10600	\$7,901.66
		Demand	366		\$8.56700	\$8.56700	\$8.56700	\$8.56700	\$8.56700	\$8.56700	\$8.56700	\$8.56700	\$8.56700	\$8.56700	\$8.56700	\$8.56700	\$8.56700	\$37,626.26
		Demand	416		\$4.48000	\$4.48000	\$4.48000	\$4.48000	\$4.48000	\$4.48000	\$4.48000	\$4.48000	\$4.48000	\$4.48000	\$4.48000	\$4.48000	\$4.48000	\$22,364.16
					\$28,893.27	\$28,893.27	\$28,893.27	\$28,893.27	\$28,893.27	\$28,893.27	\$28,893.27	\$28,893.27	\$28,893.27	\$28,893.27	\$28,893.27	\$28,893.27	\$28,893.27	\$346,719.19

Elizabethtown Gas Company
Detail Support of Projected Demand Charges included in the June 1, 2019 BGSS Filing

SCHEDULE LIJW-7

	Contract No.	Cost Type	Billing Determinant		Oct-2019	Nov-2019	Dec-2019	Jan-2020	Feb-2020	Mar-2020	Apr-2020	May-2020	Jun-2020	Jul-2020	Aug-2020	Sep-2020	TOTAL	
			Demand	Other														
FIRM TRANSPORT CAPACITY																		
TE FTS-7	331720	Demand	14,298		\$13,51500	\$13,51500	\$13,51500	\$13,51500	\$13,51500	\$13,51500	\$13,51500	\$13,51500	\$13,51500	\$13,51500	\$13,51500	\$13,51500	\$13,51500	\$2,318,849.64
					\$193,237.47	\$193,237.47	\$193,237.47	\$193,237.47	\$193,237.47	\$193,237.47	\$193,237.47	\$193,237.47	\$193,237.47	\$193,237.47	\$193,237.47	\$193,237.47	\$193,237.47	\$2,318,849.64
TE FTS-5	331501	Demand	16,666		\$8,68200	\$8,68200	\$8,68200	\$8,68200	\$8,68200	\$8,68200	\$8,68200	\$8,68200	\$8,68200	\$8,68200	\$8,68200	\$8,68200	\$8,68200	\$1,736,330.54
					\$144,694.21	\$144,694.21	\$144,694.21	\$144,694.21	\$144,694.21	\$144,694.21	\$144,694.21	\$144,694.21	\$144,694.21	\$144,694.21	\$144,694.21	\$144,694.21	\$144,694.21	\$1,736,330.54
TE CDS	800217	Demand	20,220		\$15,76700	\$15,76700	\$15,76700	\$15,76700	\$15,76700	\$15,76700	\$15,76700	\$15,76700	\$15,76700	\$15,76700	\$15,76700	\$15,76700	\$15,76700	\$3,825,704.88
		Demand	11,397		\$3,22600	\$3,22600	\$3,22600	\$3,22600	\$3,22600	\$3,22600	\$3,22600	\$3,22600	\$3,22600	\$3,22600	\$3,22600	\$3,22600	\$3,22600	\$441,200.66
		Demand	3,174		\$3,32900	\$3,32900	\$3,32900	\$3,32900	\$3,32900	\$3,32900	\$3,32900	\$3,32900	\$3,32900	\$3,32900	\$3,32900	\$3,32900	\$3,32900	\$126,794.95
		Demand	5,496		\$8,79000	\$8,79000	\$8,79000	\$8,79000	\$8,79000	\$8,79000	\$8,79000	\$8,79000	\$8,79000	\$8,79000	\$8,79000	\$8,79000	\$8,79000	\$579,718.08
		Demand	6,239		\$4,70300	\$4,70300	\$4,70300	\$4,70300	\$4,70300	\$4,70300	\$4,70300	\$4,70300	\$4,70300	\$4,70300	\$4,70300	\$4,70300	\$4,70300	\$352,104.20
					\$443,793.57	\$443,793.57	\$443,793.57	\$443,793.57	\$443,793.57	\$443,793.57	\$443,793.57	\$443,793.57	\$443,793.57	\$443,793.57	\$443,793.57	\$443,793.57	\$443,793.57	\$5,325,522.78
TE FT-1	910333	Demand	5,394		\$15,54400	\$15,54400	\$15,54400	\$15,54400	\$15,54400	\$15,54400	\$15,54400	\$15,54400	\$15,54400	\$15,54400	\$15,54400	\$15,54400	\$15,54400	\$1,006,132.03
		Demand	3,040		\$3,00300	\$3,00300	\$3,00300	\$3,00300	\$3,00300	\$3,00300	\$3,00300	\$3,00300	\$3,00300	\$3,00300	\$3,00300	\$3,00300	\$3,00300	\$109,549.44
		Demand	847		\$3,10600	\$3,10600	\$3,10600	\$3,10600	\$3,10600	\$3,10600	\$3,10600	\$3,10600	\$3,10600	\$3,10600	\$3,10600	\$3,10600	\$3,10600	\$31,569.38
		Demand	1,466		\$8,56700	\$8,56700	\$8,56700	\$8,56700	\$8,56700	\$8,56700	\$8,56700	\$8,56700	\$8,56700	\$8,56700	\$8,56700	\$8,56700	\$8,56700	\$150,710.66
		Demand	1,664		\$4,48000	\$4,48000	\$4,48000	\$4,48000	\$4,48000	\$4,48000	\$4,48000	\$4,48000	\$4,48000	\$4,48000	\$4,48000	\$4,48000	\$4,48000	\$89,456.64
					\$115,618.18	\$115,618.18	\$115,618.18	\$115,618.18	\$115,618.18	\$115,618.18	\$115,618.18	\$115,618.18	\$115,618.18	\$115,618.18	\$115,618.18	\$115,618.18	\$115,618.18	\$1,387,418.16
TE FTS-8	331013	Demand	8,469		\$8,68200	\$8,68200	\$8,68200	\$8,68200	\$8,68200	\$8,68200	\$8,68200	\$8,68200	\$8,68200	\$8,68200	\$8,68200	\$8,68200	\$8,68200	\$882,334.30
					\$73,527.86	\$73,527.86	\$73,527.86	\$73,527.86	\$73,527.86	\$73,527.86	\$73,527.86	\$73,527.86	\$73,527.86	\$73,527.86	\$73,527.86	\$73,527.86	\$73,527.86	\$882,334.30
TE FT-1	910081	Demand	5,000		\$8,68200	\$8,68200	\$8,68200	\$8,68200	\$8,68200	\$8,68200	\$8,68200	\$8,68200	\$8,68200	\$8,68200	\$8,68200	\$8,68200	\$8,68200	\$520,920.00
					\$43,410.00	\$43,410.00	\$43,410.00	\$43,410.00	\$43,410.00	\$43,410.00	\$43,410.00	\$43,410.00	\$43,410.00	\$43,410.00	\$43,410.00	\$43,410.00	\$43,410.00	\$520,920.00
TE FT-1	830029	Demand	20,000		\$8,68200	\$8,68200	\$8,68200	\$8,68200	\$8,68200	\$8,68200	\$8,68200	\$8,68200	\$8,68200	\$8,68200	\$8,68200	\$8,68200	\$8,68200	\$2,083,680.00
					\$173,640.00	\$173,640.00	\$173,640.00	\$173,640.00	\$173,640.00	\$173,640.00	\$173,640.00	\$173,640.00	\$173,640.00	\$173,640.00	\$173,640.00	\$173,640.00	\$173,640.00	\$2,083,680.00
TE FTS	330837	Demand	1,520		\$8,68200	\$8,68200	\$8,68200	\$8,68200	\$8,68200	\$8,68200	\$8,68200	\$8,68200	\$8,68200	\$8,68200	\$8,68200	\$8,68200	\$8,68200	\$158,359.68
					\$13,196.64	\$13,196.64	\$13,196.64	\$13,196.64	\$13,196.64	\$13,196.64	\$13,196.64	\$13,196.64	\$13,196.64	\$13,196.64	\$13,196.64	\$13,196.64	\$13,196.64	\$158,359.68
TGP FT-A (Capacity Release)	301554	Demand	3,000		\$18,25000	\$18,25000	\$18,25000	\$18,25000	\$18,25000	\$18,25000	\$18,25000	\$18,25000	\$18,25000	\$18,25000	\$18,25000	\$18,25000	\$18,25000	\$657,000.00
					\$54,750.00	\$54,750.00	\$54,750.00	\$54,750.00	\$54,750.00	\$54,750.00	\$54,750.00	\$54,750.00	\$54,750.00	\$54,750.00	\$54,750.00	\$54,750.00	\$54,750.00	\$657,000.00
TGP FT-A	959	Demand	1,000		\$5,72270	\$5,72270	\$5,72270	\$5,72270	\$5,72270	\$5,72270	\$5,72270	\$5,72270	\$5,72270	\$5,72270	\$5,72270	\$5,72270	\$5,72270	\$68,672.40
		PS & GHG Surcharge			\$0,01680	\$0,01680	\$0,01680	\$0,01680	\$0,01680	\$0,01680	\$0,01680	\$0,01680	\$0,01680	\$0,01680	\$0,01680	\$0,01680	\$0,01680	\$201.60
					\$5,739.50	\$5,739.50	\$5,739.50	\$5,739.50	\$5,739.50	\$5,739.50	\$5,739.50	\$5,739.50	\$5,739.50	\$5,739.50	\$5,739.50	\$5,739.50	\$5,739.50	\$68,874.00
TGP FT-G	597	Demand	1,067		\$18,10670	\$18,10670	\$18,10670	\$18,10670	\$18,10670	\$18,10670	\$18,10670	\$18,10670	\$18,10670	\$18,10670	\$18,10670	\$18,10670	\$18,10670	\$231,838.19
		Demand	640		\$16,39770	\$16,39770	\$16,39770	\$16,39770	\$16,39770	\$16,39770	\$16,39770	\$16,39770	\$16,39770	\$16,39770	\$16,39770	\$16,39770	\$16,39770	\$125,934.34
		Demand	1,341		\$16,39770	\$16,39770	\$16,39770	\$16,39770	\$16,39770	\$16,39770	\$16,39770	\$16,39770	\$16,39770	\$16,39770	\$16,39770	\$16,39770	\$16,39770	\$263,871.79
		PS & GHG Surcharge			\$0,01680	\$0,01680	\$0,01680	\$0,01680	\$0,01680	\$0,01680	\$0,01680	\$0,01680	\$0,01680	\$0,01680	\$0,01680	\$0,01680	\$0,01680	\$270.35
					\$51,854.90	\$51,854.90	\$51,854.90	\$51,854.90	\$51,854.90	\$51,854.90	\$51,854.90	\$51,854.90	\$51,854.90	\$51,854.90	\$51,854.90	\$51,854.90	\$51,854.90	\$622,258.79
TGP FT-G	603	Demand	1,014		\$5,57110	\$5,57110	\$5,57110	\$5,57110	\$5,57110	\$5,57110	\$5,57110	\$5,57110	\$5,57110	\$5,57110	\$5,57110	\$5,57110	\$5,57110	\$67,789.14
		PS & GHG Surcharge			\$0,01680	\$0,01680	\$0,01680	\$0,01680	\$0,01680	\$0,01680	\$0,01680	\$0,01680	\$0,01680	\$0,01680	\$0,01680	\$0,01680	\$0,01680	\$204.42
					\$5,666.13	\$5,666.13	\$5,666.13	\$5,666.13	\$5,666.13	\$5,666.13	\$5,666.13	\$5,666.13	\$5,666.13	\$5,666.13	\$5,666.13	\$5,666.13	\$5,666.13	\$67,993.57
TR FT	1010445	Demand	361															
		Demand	1,081															
					\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TR FT	1002230	Demand	308		\$0,68956	\$0,68956	\$0,68956	\$0,68956	\$0,68956	\$0,68956	\$0,68956	\$0,68956	\$0,68956	\$0,68956	\$0,68956	\$0,68956	\$0,68956	\$77,732.72
		Demand	451		\$0,67558	\$0,67558	\$0,67558	\$0,67558	\$0,67558	\$0,67558	\$0,67558	\$0,67558	\$0,67558	\$0,67558	\$0,67558	\$0,67558	\$0,67558	\$111,515.29
		Demand	1,052		\$0,63294	\$0,63294	\$0,63294	\$0,63294	\$0,63294	\$0,63294	\$0,63294	\$0,63294	\$0,63294	\$0,63294	\$0,63294	\$0,63294	\$0,63294	\$243,702.15
					\$36,670.64	\$35,487.72	\$36,670.64	\$36,670.64	\$34,304.79	\$36,670.64	\$35,487.72	\$36,670.64	\$35,487.72	\$36,670.64	\$36,670.64	\$35,487.72	\$36,670.64	\$432,950.16

Elizabethtown Gas Company
Detail Support of Projected Demand Charges included in the June 1, 2019 BGSS Filing

SCHEDULE LIJW-7

	Contract No.	Cost Type	Billing Determinant		Oct-2019	Nov-2019	Dec-2019	Jan-2020	Feb-2020	Mar-2020	Apr-2020	May-2020	Jun-2020	Jul-2020	Aug-2020	Sep-2020	TOTAL
			Demand	Other													
FIRM TRANSPORT CAPACITY																	
TR FT	1005014	Demand	334				\$1.28685	\$1.28685	\$1.28685								\$1,289.42
		Demand	492				\$1.26189	\$1.26189	\$1.26189								\$1,862.55
		Demand	1,141				\$1.18576	\$1.18576	\$1.18576								\$4,058.86
		Demand		767			\$0.13244	\$0.13244	\$0.13244								\$9,243.91
							\$77,660.93	\$77,660.93	\$72,650.55								\$227,972.42
TR FT	1010431	Demand	440		\$0.68956	\$0.68956	\$0.68956	\$0.68956	\$0.68956	\$0.68956	\$0.68956	\$0.68956	\$0.68956	\$0.68956	\$0.68956	\$0.68956	\$111,046.74
		Demand	647		\$0.67558	\$0.67558	\$0.67558	\$0.67558	\$0.67558	\$0.67558	\$0.67558	\$0.67558	\$0.67558	\$0.67558	\$0.67558	\$0.67558	\$159,978.70
		Demand	1,501		\$0.63294	\$0.63294	\$0.63294	\$0.63294	\$0.63294	\$0.63294	\$0.63294	\$0.63294	\$0.63294	\$0.63294	\$0.63294	\$0.63294	\$347,715.72
					\$52,407.04	\$50,716.49	\$52,407.04	\$52,407.04	\$49,025.94	\$52,407.04	\$50,716.49	\$52,407.04	\$50,716.49	\$52,407.04	\$52,407.04	\$50,716.49	\$618,741.15
TR FT	1044821	Demand	6,973			\$0.16340	\$0.16340	\$0.16340	\$0.16340	\$0.16340							\$173,187.01
						\$34,181.65	\$35,321.03	\$35,321.03	\$33,042.26	\$35,321.03							\$173,187.01
TR FT	1003686	Demand	13,218		\$0.68956	\$0.68956	\$0.68956	\$0.68956	\$0.68956	\$0.68956	\$0.68956	\$0.68956	\$0.68956	\$0.68956	\$0.68956	\$0.68956	\$3,335,945.09
		Demand	19,439		\$0.67558	\$0.67558	\$0.67558	\$0.67558	\$0.67558	\$0.67558	\$0.67558	\$0.67558	\$0.67558	\$0.67558	\$0.67558	\$0.67558	\$4,806,531.46
		Demand	45,098		\$0.63294	\$0.63294	\$0.63294	\$0.63294	\$0.63294	\$0.63294	\$0.63294	\$0.63294	\$0.63294	\$0.63294	\$0.63294	\$0.63294	\$10,447,224.09
		Demand		767	\$0.13244	\$0.13244			\$0.13244	\$0.13244	\$0.13244	\$0.13244	\$0.13244	\$0.13244	\$0.13244	\$0.13244	\$27,934.91
					\$1,577,686.51	\$1,526,793.40	\$1,574,537.49	\$1,574,537.49	\$1,472,954.42	\$1,577,686.51	\$1,526,793.40	\$1,577,686.51	\$1,526,793.40	\$1,577,686.51	\$1,577,686.51	\$1,526,793.40	\$18,617,635.55
TR FT	1003832	Demand	5,175		\$0.16340	\$0.16340	\$0.16340	\$0.16340	\$0.16340	\$0.16340	\$0.16340	\$0.16340	\$0.16340	\$0.16340	\$0.16340	\$0.16340	\$10,147.14
					\$26,213.45	\$25,367.85	\$26,213.45	\$26,213.45	\$24,522.26	\$26,213.45	\$25,367.85	\$26,213.45	\$25,367.85	\$26,213.45	\$26,213.45	\$25,367.85	\$309,487.77
TR FT	1011995	Demand	15,000		\$0.16340	\$0.16340	\$0.16340	\$0.16340	\$0.16340	\$0.16340	\$0.16340	\$0.16340	\$0.16340	\$0.16340	\$0.16340	\$0.16340	\$29,412.00
					\$75,981.00	\$73,530.00	\$75,981.00	\$75,981.00	\$71,079.00	\$75,981.00	\$73,530.00	\$75,981.00	\$73,530.00	\$75,981.00	\$75,981.00	\$73,530.00	\$897,066.00
TR FT	1011997	Demand	17,595		\$0.16340	\$0.16340	\$0.16340	\$0.16340	\$0.16340	\$0.16340	\$0.16340	\$0.16340	\$0.16340	\$0.16340	\$0.16340	\$0.16340	\$34,500.28
					\$89,125.71	\$86,250.69	\$89,125.71	\$89,125.71	\$83,375.67	\$89,125.71	\$86,250.69	\$89,125.71	\$86,250.69	\$89,125.71	\$89,125.71	\$86,250.69	\$1,052,258.42
TR FT	1011998	Demand	15,615		\$0.16340	\$0.16340	\$0.16340	\$0.16340	\$0.16340	\$0.16340	\$0.16340	\$0.16340	\$0.16340	\$0.16340	\$0.16340	\$0.16340	\$30,617.89
					\$79,096.22	\$76,544.73	\$79,096.22	\$79,096.22	\$73,993.24	\$79,096.22	\$76,544.73	\$79,096.22	\$76,544.73	\$79,096.22	\$79,096.22	\$76,544.73	\$933,845.71
TR FT	9159808	Demand	500		\$0.16340	\$0.16340	\$0.16340	\$0.16340	\$0.16340	\$0.16340	\$0.16340	\$0.16340	\$0.16340	\$0.16340	\$0.16340	\$0.16340	\$980.40
					\$2,532.70	\$2,451.00	\$2,532.70	\$2,532.70	\$2,369.30	\$2,532.70	\$2,451.00	\$2,532.70	\$2,451.00	\$2,532.70	\$2,532.70	\$2,451.00	\$29,902.20
TR FT	9158868	Demand	11,090		\$0.16340	\$0.16340	\$0.16340	\$0.16340	\$0.16340	\$0.16340	\$0.16340	\$0.16340	\$0.16340	\$0.16340	\$0.16340	\$0.16340	\$21,745.27
					\$56,175.29	\$54,363.18	\$56,175.29	\$56,175.29	\$52,551.07	\$56,175.29	\$54,363.18	\$56,175.29	\$54,363.18	\$56,175.29	\$56,175.29	\$54,363.18	\$663,230.80
TE FT		Demand	30,000		CONFIDENTIAL												
Subtotal Firm Transport					\$4,277,639.86	\$4,745,517.90	\$4,734,221.80	\$4,734,221.80	\$4,569,174.60	\$4,659,709.89	\$4,533,421.32	\$4,612,401.92	\$4,533,421.32	\$4,612,401.92	\$4,612,401.92	\$4,533,421.32	\$55,157,955.59
TOTAL DEMAND COSTS					\$5,122,365.20	\$5,987,268.81	\$5,991,353.81	\$5,988,890.47	\$5,795,544.40	\$5,915,610.24	\$5,363,997.22	\$5,457,127.26	\$5,363,997.22	\$5,458,358.93	\$5,457,127.26	\$5,363,997.22	\$67,265,638.06

Elizabethtown Gas Company
Estimated Gas Purchases
October 2019 through September 2020
(\$'000)

		Purchases MDth	Purchase Cost		Total Cost
			Commodity	Demand	
Oct 2019		2,711.6	\$4,863.9	\$5,122.4	\$9,986.2
Nov 2019		2,559.1	\$5,531.0	\$5,987.3	\$11,518.2
Dec 2019		3,278.9	\$8,904.0	\$5,991.4	\$14,895.4
Jan 2020		4,246.4	\$14,508.4	\$5,988.9	\$20,497.3
Feb 2020		3,520.9	\$9,257.9	\$5,795.5	\$15,053.4
Mar 2020		3,241.0	\$7,879.0	\$5,915.6	\$13,794.6
Apr 2020		3,404.0	\$7,365.6	\$5,364.0	\$12,729.6
May 2020		2,187.4	\$4,076.7	\$5,457.1	\$9,533.9
Jun 2020		1,787.6	\$3,359.2	\$5,364.0	\$8,723.2
Jul 2020		1,882.7	\$3,168.2	\$5,458.4	\$8,626.6
Aug 2020		1,879.4	\$2,825.7	\$5,457.1	\$8,282.8
Sep 2020		1,917.1	\$3,138.7	\$5,364.0	\$8,502.7
TOTAL	[A]	32,616.3	\$74,878.3	\$67,265.6	\$142,143.9
Beginning Inventory		8,021.7	\$16,706.4		\$16,706.4
Ending Inventory		8,549.5	\$14,686.2		\$14,686.2
Net Change	[B]	(527.8)	\$2,020.2		\$2,020.2
TOTAL	[A + B]	32,088.5	76,898.5	67,265.6	\$144,164.1
AVERAGE COST			\$2.3965 ⁽¹⁾	\$2.0963 ⁽²⁾	\$4.4927
CCC-P & CCC-M ⁽³⁾		\$0.2189	/therm		

Notes:

⁽¹⁾ Computed by dividing the sum of the total purchase dollars plus the change in the value of inventory by the sum of the total volume purchased plus the volumetric change in inventory.

⁽²⁾ Computed by dividing the total purchase dollars by the sum of the total volume purchased plus the volumetric change in inventory.

⁽³⁾ See Schedule LJW-8 pg 2 for further details.

**Elizabethtown Gas Company
Capacity Cost Component
(CCC-P & CCC-M)**

Projected Annual Demand Costs
(Schedule LJW-8 pg. 1)

\$67,265,638

Projected Annual Firm Sales Quantities subject to the BGSS
(Schedule LJW-5 pg. 2, sum of RDS, SGS & GLS and GDS, LVD & EGF)

307,313,281 Therms

CCC-P & CCC-M (rounded to the nearest 1/10000 of a dollar)

\$0.2189 /Therm

Elizabethtown Gas Company
Supplier Refunds
For the period October 1, 2019 through September 30, 2020

<u>MONTH</u>	<u>SUPPLIER</u>	<u>DOCKET NUMBER</u>	<u>REFUND</u>	<u>TOTAL</u>
Oct 2019			\$0	\$0
Nov 2019			\$0	\$0
Dec 2019			\$0	\$0
Jan 2020			\$0	\$0
Feb 2020			\$0	\$0
Mar 2020			\$0	\$0
Apr 2020			\$0	\$0
May 2020			\$0	\$0
Jun 2020			\$0	\$0
Jul 2020			\$0	\$0
Aug 2020			\$0	\$0
Sep 2020			\$0	\$0
			Total	\$0

Elizabethtown Gas Company
Statement of Injections and Withdrawals - Pipeline Storage
For the period October 1, 2019 through September 30, 2020

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
	<u>Injections</u>		<u>Inventory (Dth)</u>		<u>Withdrawals</u>			<u>Ending Inventory</u>	
<u>Period</u>	<u>Amount</u>	<u>Dth</u>	<u>Beginning</u>	<u>Ending</u>	<u>Sendout (Dth)</u>	<u>Average Relief Rate</u>	<u>Cost of Sendout from Storage</u>	<u>Ending Inventory (Dth)</u>	<u>Ending Inventory (\$)</u>
Beginning Inventory								7,779,504	\$16,040,917
Oct 2019	\$1,989,147	1,108,901	7,779,504	8,888,405	-		\$0	8,888,405	\$18,030,064
Nov 2019	\$0	-	8,888,405	8,129,593	758,812	\$2.0328	\$1,542,505	8,129,593	\$16,487,559
Dec 2019	\$0	-	8,129,593	6,179,785	1,949,808	\$2.0328	\$3,963,550	6,179,785	\$12,524,009
Jan 2020	\$0	-	6,179,785	3,660,744	2,519,041	\$2.0328	\$5,120,682	3,660,744	\$7,403,327
Feb 2020	\$0	-	3,660,744	1,502,097	2,158,646	\$2.0328	\$4,388,075	1,502,097	\$3,015,252
Mar 2020	\$0	-	1,502,097	253,371	1,248,726	\$2.0328	\$2,538,398	253,371	\$476,854
Apr 2020	\$2,702,675	1,235,339	253,371	1,488,710	-		\$0	1,488,710	\$3,179,529
May 2020	\$2,394,836	1,267,310	1,488,710	2,756,020	-		\$0	2,756,020	\$5,574,365
Jun 2020	\$2,357,564	1,226,429	2,756,020	3,982,449	-		\$0	3,982,449	\$7,931,929
Jul 2020	\$2,195,868	1,267,310	3,982,449	5,249,759	-		\$0	5,249,759	\$10,127,797
Aug 2020	\$1,966,738	1,267,310	5,249,759	6,517,069	-		\$0	6,517,069	\$12,094,535
Sep 2020	\$2,005,535	1,192,919	6,517,069	7,709,988	-		\$0	7,709,988	\$14,100,070

Elizabethtown Gas Company
Statement of Injections and Withdrawals - Onsite LNG
For the period October 1, 2019 through September 30, 2020

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
	Injections		Inventory (Dth)		Withdrawals			Ending Inventory	
<u>Period</u>	<u>Amount</u>	<u>Dth</u>	<u>Beginning</u>	<u>Ending</u>	<u>Sendout (Dth)</u>	<u>Average Relief Rate</u>	<u>Cost of Sendout from Storage</u>	<u>Ending Inventory (Dth)</u>	<u>Ending Inventory (\$)</u>
Beginning Inventory								139,903	\$610,032
Oct 2019	\$81,064	45,900	139,903	181,540	4,263	\$4.3604	\$15,856	181,540	\$675,240
Nov 2019	\$0	-	181,540	177,699	3,841	\$3.7195	\$14,286	177,699	\$660,954
Dec 2019	\$0	-	177,699	174,082	3,617	\$3.7195	\$13,452	174,082	\$647,501
Jan 2020	\$0	-	174,082	158,070	16,012	\$3.7195	\$59,557	158,070	\$587,945
Feb 2020	\$0	-	158,070	155,019	3,051	\$3.7195	\$11,350	155,019	\$576,595
Mar 2020	\$0	-	155,019	151,572	3,447	\$3.7195	\$12,821	151,572	\$563,773
Apr 2020	\$0	-	151,572	147,979	3,593	\$3.7195	\$13,364	147,979	\$550,410
May 2020	\$0	-	147,979	143,977	4,002	\$3.7195	\$14,885	143,977	\$535,525
Jun 2020	\$0	-	143,977	139,842	4,135	\$3.7195	\$15,380	139,842	\$520,145
Jul 2020	\$0	-	139,842	135,170	4,672	\$3.7195	\$17,379	135,170	\$502,766
Aug 2020	\$0	-	135,170	130,363	4,807	\$3.7195	\$17,878	130,363	\$484,888
Sep 2020	\$61,856	37,800	130,363	163,213	4,950	\$3.2513	\$16,095	163,213	\$530,649

Elizabethtown Gas Company
Statement of Injections and Withdrawals - Propane Storage
For the period October 1, 2019 through September 30, 2020

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
	Injections		Inventory (Dths)		Withdrawals			Ending Inventory	
<u>Period</u>	<u>Amount</u>	<u>Dth's</u>	<u>Beginning</u>	<u>Ending</u>	<u>Dth's</u>	<u>Average Relief Rate *</u>	<u>Amount</u>	<u>Ending Inventory (Dth's)</u>	<u>Ending Inventory (\$)</u>
Beginning Inventory								8,495	\$55,466
Oct 2019	-	-	8,495	8,495	-	\$6.5293	-	8,495	\$55,466
Nov 2019	-	-	8,495	8,495	-	6.5293	-	8,495	\$55,466
Dec 2019	-	-	8,495	8,495	-	6.5293	-	8,495	\$55,466
Jan 2020	-	-	8,495	8,495	-	6.5293	-	8,495	\$55,466
Feb 2020	-	-	8,495	8,495	-	6.5293	-	8,495	\$55,466
Mar 2020	-	-	8,495	8,495	-	6.5293	-	8,495	\$55,466
Apr 2020	-	-	8,495	8,495	-	6.5293	-	8,495	\$55,466
May 2020	-	-	8,495	8,495	-	6.5293	-	8,495	\$55,466
Jun 2020	-	-	8,495	8,495	-	6.5293	-	8,495	\$55,466
Jul 2020	-	-	8,495	8,495	-	6.5293	-	8,495	\$55,466
Aug 2020	-	-	8,495	8,495	-	6.5293	-	8,495	\$55,466
Sep 2020	-	-	8,495	8,495	-	6.5293	-	8,495	\$55,466

* The average relief rate is calculated by dividing the total of the monthly beginning inventory and injection dollars by the associated volumes.

**Elizabethtown Gas Company
2019-2020 BGSS Forecast**

Calculation of Non-Firm Gas Cost Recovery Rates

	(1)	(2)	(3) (1) + (2)	(4) (1) + (2)	(5) (1)
	BGSS-M	Tariff	IS	CS	CSI
	<u>\$/Thm</u>	<u>\$/Thm</u>	<u>\$/Thm</u>	<u>\$/Thm</u>	<u>\$/Thm</u>
Oct 2019	\$0.4840	\$0.0150	\$0.499000	\$0.499000	\$0.484000
Nov 2019	\$0.4916	\$0.0300	\$0.521600	\$0.521600	\$0.491600
Dec 2019	\$0.5084	\$0.0300	\$0.538400	\$0.538400	\$0.508400
Jan 2020	\$0.5175	\$0.0300	\$0.547500	\$0.547500	\$0.517500
Feb 2020	\$0.5129	\$0.0300	\$0.542900	\$0.542900	\$0.512900
Mar 2020	\$0.5001	\$0.0300	\$0.530100	\$0.530100	\$0.500100
Apr 2020	\$0.4746	\$0.0150	\$0.489600	\$0.489600	\$0.474600
May 2020	\$0.4709	\$0.0150	\$0.485900	\$0.485900	\$0.470900
Jun 2020	\$0.4742	\$0.0150	\$0.489200	\$0.489200	\$0.474200
Jul 2020	\$0.4776	\$0.0150	\$0.492600	\$0.492600	\$0.477600
Aug 2020	\$0.4784	\$0.0150	\$0.493400	\$0.493400	\$0.478400
Sep 2020	\$0.4768	\$0.0150	\$0.491800	\$0.491800	\$0.476800

Elizabethtown Gas Company
2019-2020 BGSS Forecast
Calculation of Special Contract Gas Cost Recovery Rates
Applicable Purchases
 \$'000

	(1)	(2)	(3)	(4) (2) - (3)	(5) (1) - (2)	(6)	(7) (4) + (5) - (6)	(8)	(9) (7) + (8)
	Total Supply Variable Costs	Transportation Variable Costs	Total Storage Transp. Costs	City Gate Transportation Variable Costs	Supply Variable Costs	Variable Peaking Costs	Total Supply Variable Costs Ex Peaking	Supply Related Demand Charges	Purchases Plus Supply Demand Charges
Oct 2019	\$4,670.9	\$301.0	\$75.3	\$225.7	\$4,369.9	\$441.1	\$4,154.5	\$0.0	\$4,154.5
Nov 2019	\$5,342.3	\$211.0	\$0.4	\$210.6	\$5,131.3	\$0.0	\$5,341.9	\$577.1	\$5,919.0
Dec 2019	\$8,695.1	\$402.6	\$0.6	\$401.9	\$8,292.5	\$0.0	\$8,694.5	\$411.2	\$9,105.6
Jan 2020	\$14,228.9	\$504.3	\$3.7	\$500.6	\$13,724.6	\$2,288.3	\$11,936.9	\$411.2	\$12,348.1
Feb 2020	\$9,000.9	\$410.8	\$2.5	\$408.3	\$8,590.1	\$57.8	\$8,940.6	\$411.2	\$9,351.8
Mar 2020	\$7,694.4	\$278.9	\$0.4	\$278.4	\$7,415.6	\$0.0	\$7,694.0	\$411.2	\$8,105.2
Apr 2020	\$7,226.8	\$378.8	\$85.9	\$292.9	\$6,848.0	\$0.0	\$7,140.9	\$0.0	\$7,140.9
May 2020	\$3,910.0	\$231.6	\$88.5	\$143.1	\$3,678.3	\$0.0	\$3,821.4	\$0.0	\$3,821.4
Jun 2020	\$3,220.5	\$217.1	\$85.7	\$131.4	\$3,003.4	\$0.0	\$3,134.9	\$0.0	\$3,134.9
Jul 2020	\$3,037.0	\$224.7	\$88.5	\$136.2	\$2,812.3	\$0.0	\$2,948.5	\$0.0	\$2,948.5
Aug 2020	\$2,693.7	\$225.0	\$88.5	\$136.5	\$2,468.7	\$0.0	\$2,605.2	\$0.0	\$2,605.2
Sep 2020	\$3,007.0	\$519.4	\$85.8	\$433.6	\$2,487.7	\$41.6	\$2,879.7	\$0.0	\$2,879.7
Subtotal	\$72,727.5	\$3,905.0	\$605.7	\$3,299.3	\$68,822.5	\$2,828.8	\$69,293.0	\$2,221.8	\$71,514.8

Elizabethtown Gas Company
Off System Sales and Capacity Release

For the Projected Period October 1, 2019 through September 30, 2020

	Off-System Sales *				Capacity Release			
	Volumes (Dth)	Rate (\$/Dth)	Total Margins (\$)	BGSS Credits (\$)	Volumes (Dth)	Rate (\$/Dth)	Total Margins (\$)	BGSS Credits (\$)
Oct 2019					195,145	\$0.22156	\$43,236	\$36,751
Nov 2019					188,850	\$0.22156	\$41,842	\$35,566
Dec 2019					195,145	\$0.22156	\$43,236	\$36,751
Jan 2020					195,145	\$0.22156	\$43,236	\$36,751
Feb 2020					176,260	\$0.22156	\$39,052	\$33,194
Mar 2020					195,145	\$0.22156	\$43,236	\$36,751
Apr 2020					188,850	\$0.22156	\$41,842	\$35,566
May 2020					195,145	\$0.22156	\$43,236	\$36,751
Jun 2020					188,850	\$0.22156	\$41,842	\$35,566
Jul 2020					195,145	\$0.22156	\$43,236	\$36,751
Aug 2020					195,145	\$0.22156	\$43,236	\$36,751
Sep 2020					188,850	\$0.22156	\$41,842	\$35,566
Total	-		\$0	\$0	2,297,675		\$509,072	\$432,715

* There are no projected off-system sales margins in the projected BGSS year; the Company is operating under the terms of the current gas asset agency agreement with Sequent Energy Management, LP through March 31, 2019.

Elizabethtown Gas Company
Calculation of Spot Purchase Commodity Price
For the period October 1, 2019 through September 30, 2020

	Oct 2019	Nov 2019	Dec 2019	Jan 2020	Feb 2020	Mar 2020	Apr 2020	May 2020	Jun 2020	Jul 2020	Aug 2020	Sep 2020	Total
NYMEX Settle/Futures (\$/dth)	\$2.6810	\$2.7550	\$2.9190	\$3.0070	\$2.9630	\$2.8380	\$2.5900	\$2.5540	\$2.5860	\$2.6190	\$2.6270	\$2.6110	
NYMEX to Pipeline Rcpt Pt Basis (\$/dth)													
Columbia	(\$0.1969)	(\$0.1311)	(\$0.0612)	(\$0.1782)	(\$0.1282)	(\$0.1476)	(\$0.1477)	(\$0.1016)	(\$0.1373)	(\$0.0932)	(\$0.0994)	(\$0.1713)	
Canadian	(\$0.3050)	\$0.2220	\$0.4075	\$0.5714	\$0.4066	(\$0.0380)	(\$0.0466)	(\$0.7239)	(\$0.8445)	(\$0.7057)	(\$0.7145)	(\$0.8788)	
El Paso (Tennessee) - weighted avg.	(\$0.0582)	(\$0.1211)	(\$0.0813)	(\$0.1157)	(\$0.0882)	(\$0.0718)	(\$0.0767)	(\$0.0595)	(\$0.0734)	(\$0.0737)	(\$0.0619)	(\$0.0825)	
Duke (Texas Eastern) - weighted avg.	(\$0.7995)	(\$0.4301)	\$2.2862	(\$0.1015)	(\$0.1015)	(\$0.0888)	(\$0.4202)	(\$0.0888)	(\$0.4202)	(\$0.0888)	(\$0.4202)	(\$0.0888)	
Dominion (CNG)	(\$1.0451)	(\$0.7348)	(\$0.5928)	(\$0.6678)	(\$0.3927)	(\$0.4492)	(\$0.5324)	(\$0.7957)	(\$1.0432)	(\$1.2410)	(\$1.3083)	(\$1.4747)	
National Fuel													
Williams (Transco) - weighted avg.	(\$1.0199)	\$0.1177	(\$0.0285)	\$0.0266	(\$0.0618)	(\$0.0673)							
Williams (Transco) Leidy	(\$1.1426)	(\$0.8280)	(\$0.6182)	(\$0.7906)	(\$0.6561)	(\$0.5877)	(\$0.6406)	(\$1.1607)	(\$1.2410)	(\$1.3382)	(\$1.3872)	(\$1.5467)	
Gulf South	(\$0.1067)	(\$0.1152)	(\$0.0551)	(\$0.0934)	(\$0.0992)	(\$0.0969)	(\$0.1290)	(\$0.1047)	(\$0.1153)	(\$0.0892)	(\$0.0872)	(\$0.1110)	
Purchase Point Commodity (\$/dth)													
Columbia Spot	\$2.4841	\$2.6239	\$2.8578	\$2.8288	\$2.8348	\$2.6904	\$2.4423	\$2.4524	\$2.4487	\$2.5258	\$2.5276	\$2.4397	
Canadian Spot	\$2.3760	\$2.9770	\$3.3265	\$3.5784	\$3.3696	\$2.8000	\$2.5434	\$1.8301	\$1.7415	\$1.9133	\$1.9125	\$1.7322	
El Paso (Tennessee) Spot	\$2.6228	\$2.6339	\$2.8377	\$2.8913	\$2.8748	\$2.7662	\$2.5133	\$2.4945	\$2.5126	\$2.5453	\$2.5651	\$2.5285	
Duke (Texas Eastern) Spot	\$1.8815	\$2.3249	\$5.2052	\$2.9055	\$2.9630	\$2.7492	\$2.1698	\$2.5540	\$2.5860	\$2.6190	\$2.6270	\$2.6110	
Dominion (CNG) Spot	\$1.6359	\$2.0202	\$2.3262	\$2.3392	\$2.5703	\$2.3888	\$2.0576	\$1.7583	\$1.5428	\$1.3780	\$1.3187	\$1.1363	
National Fuel Spot	\$2.6810	\$2.7550	\$2.9190	\$3.0070	\$2.9630	\$2.8380	\$2.5900	\$2.5540	\$2.5860	\$2.6190	\$2.6270	\$2.6110	
Williams (Transco) Spot	\$1.6611	\$2.8727	\$2.8905	\$3.0336	\$2.9012	\$2.7707	\$2.5900	\$2.5540	\$2.5860	\$2.6190	\$2.6270	\$2.6110	
Williams (Transco) Leidy Spot	\$1.5384	\$1.9270	\$2.3008	\$2.2164	\$2.3069	\$2.2503	\$1.9494	\$1.3933	\$1.3450	\$1.2808	\$1.2398	\$1.0643	
Gulf South	\$2.5743	\$2.6398	\$2.8639	\$2.9136	\$2.8638	\$2.7411	\$2.4610	\$2.4493	\$2.4707	\$2.5298	\$2.5398	\$2.5000	
SPOT Purchases (dth)													
Columbia Spot	0	76,136	83,821	134,208	191,355	78,674	60,909	0	0	0	0	0	625,103
Canadian Spot	0	0	0	22,279	0	0	0	0	0	0	0	0	22,279
El Paso (Tennessee) Spot	54,004	51,114	55,241	55,241	60,735	74,606	70,164	32,763	17,080	18,043	19,058	20,375	528,424
Duke (Texas Eastern) Spot	275,563	371,654	185,073	209,432	0	964,301	939,232	0	0	0	0	0	2,945,255
Dominion (CNG) Spot	101,488	193,017	199,532	64,365	186,659	199,532	95,084	0	0	0	0	0	1,039,677
National Fuel Spot	0	0	0	0	0	0	0	0	0	0	0	0	0
Williams (Transco) Spot	45,900	132,566	826,501	1,022,873	1,264,787	130,638	0	0	0	0	0	0	3,423,265
Williams (Transco) Leidy Spot	858,542	1,477,046	495,070	0	0	778,075	739,085	581,168	155,753	299,744	346,345	345,409	6,076,237
Gulf South Spot	0	0	0	76,346	0	0	0	0	0	0	0	0	76,346
Total Spot Purchases	1,335,497	2,301,533	1,845,238	1,584,744	1,703,536	2,225,826	1,904,474	613,931	172,833	317,787	365,403	365,784	14,736,586
SPOT Purchases													
Columbia Spot	\$0	\$199,773	\$239,546	\$379,644	\$542,448	\$211,664	\$148,758	\$0	\$0	\$0	\$0	\$0	\$1,721,833
Canadian Spot	\$0	\$0	\$0	\$79,722	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$79,722
El Paso (Tennessee) Spot	\$141,640	\$134,628	\$156,758	\$159,717	\$174,599	\$206,375	\$176,344	\$81,726	\$42,915	\$45,924	\$48,886	\$51,518	\$1,421,031
Duke (Texas Eastern) Spot	\$518,467	\$864,046	\$963,338	\$608,497	\$0	\$2,651,019	\$2,037,977	\$0	\$0	\$0	\$0	\$0	\$7,643,345
Dominion (CNG) Spot	\$166,025	\$389,933	\$464,153	\$150,564	\$479,777	\$476,637	\$195,645	\$0	\$0	\$0	\$0	\$0	\$2,322,734
National Fuel Spot	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Williams (Transco) Spot	\$76,244	\$380,822	\$2,388,992	\$3,102,969	\$3,669,364	\$361,956	\$0	\$0	\$0	\$0	\$0	\$0	\$9,980,347
Williams (Transco) Leidy Spot	\$1,320,798	\$2,846,268	\$1,139,041	\$0	\$0	\$1,750,895	\$1,440,748	\$809,754	\$209,490	\$383,924	\$429,403	\$367,630	\$10,697,951
Gulf South Spot	\$0	\$0	\$0	\$222,444	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$222,444
Total Spot Purchases	\$2,223,174	\$4,815,470	\$5,351,830	\$4,703,558	\$4,866,188	\$5,658,545	\$3,999,471	\$891,481	\$252,405	\$429,848	\$478,290	\$419,148	\$34,089,407
SPOT WACOG at Purchase Point													
Unit Cost (before Hedging Impact)	\$1.6647	\$2.0923	\$2.9003	\$2.9680	\$2.8565	\$2.5422	\$2.1000	\$1.4521	\$1.4604	\$1.3526	\$1.3089	\$1.1459	\$2.3132
Hedging Program													
Hedged Volume (dth)	1,320,000	910,000	1,300,000	1,510,000	1,150,000	1,010,000	1,430,000	1,010,000	810,000	760,000	680,000	620,000	12,510,000
Total Cost	\$3,607,960	\$2,536,750	\$3,670,630	\$4,409,070	\$3,298,670	\$2,816,410	\$3,733,120	\$2,648,060	\$2,130,350	\$1,998,940	\$1,798,650	\$1,639,820	\$34,288,430
Weighted Avg. Unit Cost	\$2.7333	\$2.7876	\$2.8236	\$2.9199	\$2.8684	\$2.7885	\$2.6106	\$2.6218	\$2.6301	\$2.6302	\$2.6451	\$2.6449	\$2.7409
WACOG vs. NYMEX Diff.	\$0.0523	\$0.0326	(\$0.0954)	(\$0.0871)	(\$0.0946)	(\$0.0495)	\$0.0206	\$0.0678	\$0.0441	\$0.0112	\$0.0181	\$0.0339	
Total \$ Impact	\$69,036	\$29,666	(\$124,020)	(\$131,521)	(\$108,790)	(\$49,995)	\$29,458	\$41,625	\$7,622	\$3,559	\$6,614	\$12,400	(\$214,346)
Total Spot Purchases	\$2,223,174	\$4,815,470	\$5,351,830	\$4,703,558	\$4,866,188	\$5,658,545	\$3,999,471	\$891,481	\$252,405	\$429,848	\$478,290	\$419,148	\$34,089,407
Total Hedging Program Impact	\$69,036	\$29,666	(\$124,020)	(\$131,521)	(\$108,790)	(\$49,995)	\$29,458	\$41,625	\$7,622	\$3,559	\$6,614	\$12,400	(\$214,346)
Total Spot Purchases adj. for Hedging	\$2,292,210	\$4,845,136	\$5,227,810	\$4,572,037	\$4,757,398	\$5,608,550	\$4,028,929	\$933,106	\$260,027	\$433,407	\$484,904	\$431,548	\$33,875,061
SPOT WACOG at Purchase Point													
Unit Cost (after Hedging Impact)	\$1.7164	\$2.1052	\$2.8331	\$2.8850	\$2.7927	\$2.5198	\$2.1155	\$1.5199	\$1.5045	\$1.3638	\$1.3270	\$1.1798	\$2.2987

Elizabethtown Gas Company
Calculation of Spot Purchase Commodity Price
For the period October 1, 2018 through September 30, 2019

	Oct 2018	Nov 2018	Dec 2018	Jan 2019	Feb 2019	Mar 2019	Apr 2019	May 2019	Jun 2019	Jul 2019	Aug 2019	Sep 2019	Total
NYMEX Settle/Futures (\$/dth)	\$2.8290	\$2.8650	\$2.9650	\$3.0470	\$3.0090	\$2.8980	\$2.5680	\$2.5360	\$2.5670	\$2.6000	\$2.6040	\$2.5880	
NYMEX to Pipeline Rcpt Pt Basis (\$/dth)													
Columbia	(\$0.2683)	(\$0.2606)	(\$0.2606)	(\$0.2606)	(\$0.2606)	(\$0.2606)	(\$0.2683)	(\$0.2683)	(\$0.2683)	(\$0.2683)	(\$0.2683)	(\$0.2683)	(\$0.2683)
Canadian	(\$0.5565)	\$0.4184	\$0.4184	\$0.4184	\$0.4184	\$0.4184	(\$0.5565)	(\$0.5565)	(\$0.5565)	(\$0.5565)	(\$0.5565)	(\$0.5565)	(\$0.5565)
El Paso (Tennessee)	(\$0.2855)	(\$0.1711)	(\$0.1711)	(\$0.1711)	(\$0.1711)	(\$0.1711)	(\$0.2855)	(\$0.2855)	(\$0.2855)	(\$0.2855)	(\$0.2855)	(\$0.2855)	(\$0.2855)
Duke (Texas Eastern)	(\$0.1603)	\$0.1992	\$0.1992	\$0.1992	\$0.1992	\$0.1992	(\$0.1603)	(\$0.1603)	(\$0.1603)	(\$0.1603)	(\$0.1603)	(\$0.1603)	(\$0.1603)
Dominion (CNG)	(\$0.7647)	(\$0.2385)	(\$0.2385)	(\$0.2385)	(\$0.2385)	(\$0.2385)	(\$0.7647)	(\$0.7647)	(\$0.7647)	(\$0.7647)	(\$0.7647)	(\$0.7647)	(\$0.7647)
National Fuel													
Williams (Transco)	(\$0.0702)	\$0.1595	\$0.1595	\$0.1595	\$0.1595	\$0.1595	(\$0.0702)	(\$0.0702)	(\$0.0702)	(\$0.0702)	(\$0.0702)	(\$0.0702)	(\$0.0702)
Williams (Transco) Leidy	(\$0.7236)	(\$0.2761)	(\$0.2761)	(\$0.2761)	(\$0.2761)	(\$0.2761)	(\$0.7236)	(\$0.7236)	(\$0.7236)	(\$0.7236)	(\$0.7236)	(\$0.7236)	(\$0.7236)
Gulf South	\$0.0778	(\$0.0177)	(\$0.0177)	(\$0.0177)	(\$0.0177)	(\$0.0177)	\$0.0778	\$0.0778	\$0.0778	\$0.0778	\$0.0778	\$0.0778	\$0.0778
Purchase Point Commodity (\$/dth)													
Columbia Spot	\$2.5607	\$2.6044	\$2.7044	\$2.7864	\$2.7484	\$2.6374	\$2.2997	\$2.2677	\$2.2987	\$2.3317	\$2.3357	\$2.3197	
Canadian Spot	\$2.2725	\$3.2834	\$3.3834	\$3.4654	\$3.4274	\$3.3164	\$2.0115	\$1.9795	\$2.0105	\$2.0435	\$2.0475	\$2.0315	
El Paso (Tennessee) Spot	\$2.5435	\$2.6939	\$2.7939	\$2.8759	\$2.8379	\$2.7269	\$2.2825	\$2.2505	\$2.2815	\$2.3145	\$2.3185	\$2.3025	
Duke (Texas Eastern) Spot	\$2.6687	\$3.0642	\$3.1642	\$3.2462	\$3.2082	\$3.0972	\$2.4077	\$2.3757	\$2.4067	\$2.4397	\$2.4437	\$2.4277	
Dominion (CNG) Spot	\$2.0643	\$2.6265	\$2.7265	\$2.8085	\$2.7705	\$2.6595	\$1.8033	\$1.7713	\$1.8023	\$1.8353	\$1.8393	\$1.8233	
National Fuel Spot	\$2.8290	\$2.8650	\$2.9650	\$3.0470	\$3.0090	\$2.8980	\$2.5680	\$2.5360	\$2.5670	\$2.6000	\$2.6040	\$2.5880	
Williams (Transco) Spot	\$2.7585	\$3.0245	\$3.1245	\$3.2065	\$3.1685	\$3.0575	\$2.4978	\$2.4658	\$2.4968	\$2.5298	\$2.5338	\$2.5178	
Williams (Transco) Leidy Spot	\$2.1054	\$2.5889	\$2.6889	\$2.7709	\$2.7329	\$2.6219	\$1.8444	\$1.8124	\$1.8434	\$1.8764	\$1.8804	\$1.8644	
Gulf South	\$2.9068	\$2.8473	\$2.9473	\$3.0293	\$2.9913	\$2.8803	\$2.6458	\$2.6138	\$2.6448	\$2.6778	\$2.6818	\$2.6658	
SPOT Purchases (dth)													
Columbia Spot	0	219,480	437,051	192,945	196,944	47,038	63,411	0	0	0	0	0	1,156,869
Canadian Spot	0	0	0	0	0	0	0	0	0	0	0	0	0
El Paso (Tennessee) Spot	20,577	9,428	48,373	4,795	54,647	13,791	25,925	0	0	0	0	0	177,535
Duke (Texas Eastern) Spot	64,471	0	0	18,912	44,125	0	141,119	0	0	0	0	0	268,628
Dominion (CNG) Spot	113,930	0	89,693	0	0	0	140,840	94,970	94,903	94,903	94,903	94,970	819,110
National Fuel Spot	0	0	0	0	0	0	0	0	0	0	0	0	0
Williams (Transco) Spot	234,759	0	48,679	233,194	295,983	34,849	236,762	212,323	212,508	212,508	212,508	212,323	2,146,211
Williams (Transco) Leidy Spot	638,194	371,143	412,741	0	0	894,506	236,932	24,686	12,051	13,252	49,420	2,652,924	
Gulf South Spot	0	0	15,152	19,299	60,763	0	0	0	0	0	0	0	95,214
Total Spot Purchases	1,071,930	600,051	1,051,689	469,145	652,462	95,678	1,502,563	544,224	332,097	319,276	320,663	356,712	7,316,491
SPOT Purchases													
Columbia Spot	\$0	\$571,614	\$1,181,960	\$537,622	\$541,281	\$124,057	\$145,826	\$0	\$0	\$0	\$0	\$0	\$3,102,361
Canadian Spot	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
El Paso (Tennessee) Spot	\$40,907	\$26,131	\$138,264	\$14,091	\$159,838	\$38,673	\$44,772	\$0	\$0	\$0	\$0	\$0	\$462,676
Duke (Texas Eastern) Spot	\$141,701	\$0	\$0	\$56,818	\$139,895	\$0	\$273,334	\$0	\$0	\$0	\$0	\$0	\$611,747
Dominion (CNG) Spot	\$235,185	\$0	\$244,548	\$0	\$0	\$0	\$253,977	\$168,220	\$171,043	\$174,175	\$174,554	\$173,158	\$1,594,861
National Fuel Spot	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Williams (Transco) Spot	\$702,876	\$0	\$137,773	\$697,174	\$873,491	\$95,341	\$593,666	\$527,685	\$534,735	\$541,274	\$542,598	\$538,726	\$5,785,338
Williams (Transco) Leidy Spot	\$1,343,653	\$960,851	\$1,109,819	\$0	\$0	\$1,649,826	\$429,415	\$45,507	\$22,613	\$24,918	\$92,139	\$5,678,741	
Gulf South Spot	\$0	\$0	\$44,656	\$58,463	\$181,760	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$284,879
Total Spot Purchases	\$2,464,321	\$1,558,596	\$2,857,021	\$1,364,168	\$1,896,266	\$258,070	\$2,961,401	\$1,125,320	\$751,285	\$738,062	\$742,070	\$804,023	\$17,520,604
SPOT WACOG at Purchase Point													
Unit Cost (before Hedging Impact)	\$2.2990	\$2.5974	\$2.7166	\$2.9078	\$2.9063	\$2.6973	\$1.9709	\$2.0678	\$2.2622	\$2.3117	\$2.3142	\$2.2540	\$2.3947
Hedging Program													
Hedged Volume (dth)	1,260,000	820,000	1,290,000	1,430,000	1,150,000	950,000	1,420,000	950,000	780,000	740,000	660,000	620,000	12,070,000
Total Cost	\$3,656,810	\$2,505,525	\$4,013,805	\$4,517,445	\$3,597,385	\$2,929,965	\$3,875,520	\$2,567,450	\$2,117,815	\$2,017,570	\$1,804,100	\$1,689,675	\$35,293,065
Weighted Avg. Unit Cost	\$2.9022	\$3.0555	\$3.1115	\$3.1591	\$3.1282	\$3.0842	\$2.7292	\$2.7026	\$2.7151	\$2.7264	\$2.7335	\$2.7253	\$2.9240
WACOG vs. NYMEX Diff.	\$0.0732	\$0.1905	\$0.1465	\$0.1121	\$0.1192	\$0.1862	\$0.1612	\$0.1666	\$0.1481	\$0.1264	\$0.1295	\$0.1373	
Total \$ Impact	\$78,465	\$114,310	\$154,072	\$52,591	\$77,774	\$17,815	\$228,904	\$90,668	\$49,184	\$40,357	\$41,526	\$48,977	\$994,643
Total Spot Purchases	\$2,464,321	\$1,558,596	\$2,857,021	\$1,364,168	\$1,896,266	\$258,070	\$2,961,401	\$1,125,320	\$751,285	\$738,062	\$742,070	\$804,023	\$17,520,604
Total Hedging Program Impact	\$78,465	\$114,310	\$154,072	\$52,591	\$77,774	\$17,815	\$228,904	\$90,668	\$49,184	\$40,357	\$41,526	\$48,977	\$994,643
Total Spot Purchases adj. for Hedging	\$2,542,786	\$1,672,906	\$3,011,093	\$1,416,759	\$1,974,040	\$275,885	\$3,190,305	\$1,215,988	\$800,469	\$778,419	\$783,596	\$853,000	\$18,515,247
SPOT WACOG at Purchase Point													
Unit Cost (after Hedging Impact)	\$2.3722	\$2.7879	\$2.8631	\$3.0199	\$3.0255	\$2.8835	\$2.1232	\$2.2344	\$2.4103	\$2.4381	\$2.4437	\$2.3913	\$2.5306

Elizabethtown Gas Company Hedging Report

	Normal Firm Requirements (Dth)	Current Protected Position (Dth)
Oct 2019	1,488,136	1,320,000
Nov 2019	2,839,095	840,000
Dec 2019	4,248,896	1,200,000
Jan 2020	5,392,368	1,350,000
Feb 2020	4,330,944	930,000
Mar 2020	3,502,534	730,000
Apr 2020	1,609,567	1,130,000
May 2020	794,360	710,000
Jun 2020	476,769	540,000
Jul 2020	522,591	490,000
Aug 2020	518,324	420,000
Sep 2020	587,688	360,000
Total	26,311,271	10,020,000

Note:

Normal firm requirements exclude demand of BGSS-M customers.

Elizabethtown Gas Company

Hedging Report

Status as of June 30, 2018

Gas Flow Month	Price Hedged		Total Quantity Price Protected Dth	ETG - GPS&P Guidelines		
	Quantity Dth	\$/Dth		Min Quantity Dth	Max Quantity Dth	Current Pct. of Min
Jan-18						
Feb-18						
Mar-18						
Apr-18						
May-18						
Jun-18						
Jul-18						
Aug-18	830,000	\$2.9020	830,000	820,000	1,640,000	101.2%
Sep-18	870,000	\$2.8982	870,000	870,000	1,740,000	100.0%
Oct-18	1,260,000	\$2.9159	1,260,000	1,350,000	2,690,000	93.3%
Nov-18	820,000	\$3.0942	820,000	940,000	1,890,000	87.2%
Dec-18	1,290,000	\$3.1296	1,290,000	1,320,000	2,630,000	97.7%
Total	5,070,000	\$3.0157	5,070,000	5,300,000	10,590,000	95.7%
Jan-19	1,430,000	\$3.0484	1,430,000	1,470,000	2,940,000	97.3%
Feb-19	1,150,000	\$3.0098	1,150,000	1,130,000	2,250,000	101.8%
Mar-19	950,000	\$3.0035	950,000	1,030,000	2,070,000	92.2%
Apr-19	1,420,000	\$2.8012	1,420,000	1,410,000	2,820,000	100.7%
May-19	950,000	\$2.8275	950,000	1,000,000	2,000,000	95.0%
Jun-19	810,000	\$2.8310	810,000	840,000	1,680,000	96.4%
Jul-19	850,000	\$2.8120	850,000	860,000	1,730,000	98.8%
Aug-19	770,000	\$2.8199	770,000	860,000	1,720,000	89.5%
Sep-19	720,000	\$2.8274	720,000	900,000	1,790,000	80.0%
Oct-19	960,000	\$2.7938	960,000	1,360,000	2,720,000	70.6%
Nov-19	600,000	\$2.9415	600,000	950,000	1,900,000	63.2%
Dec-19	740,000	\$2.8744	740,000	1,330,000	2,660,000	55.6%
Total	11,350,000	\$2.8900	11,350,000	13,140,000	26,280,000	86.4%
Jan-20	760,000	\$2.9417	760,000	1,480,000	2,970,000	51.4%
Feb-20	490,000	\$2.8973	490,000	1,140,000	2,270,000	43.0%
Mar-20	330,000	\$2.8953	330,000	1,040,000	2,080,000	31.7%
Apr-20	350,000	\$2.7428	350,000	1,430,000	2,850,000	24.5%
May-20	160,000	\$2.8411	160,000	1,020,000	2,030,000	15.7%
Jun-20	80,000	\$2.8325	80,000	860,000	1,710,000	9.3%
Jul-20				880,000	1,760,000	
Aug-20				880,000	1,750,000	
Sep-20				910,000	1,820,000	
Oct-20				1,330,000	2,660,000	
Nov-20				960,000	1,920,000	
Dec-20				1,340,000	2,680,000	
Total	2,170,000	\$2.8811	2,170,000	13,270,000	26,500,000	16.4%

Quantities stated above do not include natural hedging that emanates from storage. Based on the Company's injection plan for the 2018/2019 winter period, total storage supplies available for withdrawal totaled 8,536,404 dth. Adding this quantity to the hedged quantities for the November 2018 through March 2019 winter period of 5,640,000 dth results in a total hedged quantity of 14,176,404 dth or 69.8% of the normal winter firm sales requirement of 20,313,837 dth.

Elizabethtown Gas Company
Hedging Report
Status as of September 30, 2018

Gas Flow Month	Price Hedged		Total Quantity Price Protected Dth	ETG - GPS&P Guidelines		
	Quantity Dth	\$/Dth		Min Quantity Dth	Max Quantity Dth	Current Pct. of Min
Jan-18						
Feb-18						
Mar-18						
Apr-18						
May-18						
Jun-18						
Jul-18						
Aug-18						
Sep-18						
Oct-18						
Nov-18	820,000	\$2.9856	820,000	940,000	1,890,000	87.2%
Dec-18	1,290,000	\$3.0688	1,290,000	1,320,000	2,630,000	97.7%
Total	2,110,000	\$3.0157	2,110,000	2,260,000	4,520,000	93.4%
Jan-19	1,430,000	\$3.0203	1,430,000	1,470,000	2,940,000	97.3%
Feb-19	1,150,000	\$2.9747	1,150,000	1,130,000	2,250,000	101.8%
Mar-19	950,000	\$2.9131	950,000	1,030,000	2,070,000	92.2%
Apr-19	1,420,000	\$2.7247	1,420,000	1,410,000	2,820,000	100.7%
May-19	950,000	\$2.7411	950,000	1,000,000	2,000,000	95.0%
Jun-19	810,000	\$2.7620	810,000	840,000	1,680,000	96.4%
Jul-19	850,000	\$2.7620	850,000	860,000	1,730,000	98.8%
Aug-19	840,000	\$2.7597	840,000	860,000	1,720,000	97.7%
Sep-19	840,000	\$2.7578	840,000	900,000	1,790,000	93.3%
Oct-19	1,320,000	\$2.7333	1,320,000	1,360,000	2,720,000	97.1%
Nov-19	830,000	\$2.7950	830,000	950,000	1,900,000	87.4%
Dec-19	1,080,000	\$2.8293	1,080,000	1,330,000	2,660,000	81.2%
Total	12,470,000	\$2.8215	12,470,000	13,140,000	26,280,000	94.9%
Jan-20	1,150,000	\$2.9320	1,150,000	1,480,000	2,970,000	77.7%
Feb-20	750,000	\$2.8873	750,000	1,140,000	2,270,000	65.8%
Mar-20	580,000	\$2.8132	580,000	1,040,000	2,080,000	55.8%
Apr-20	710,000	\$2.5824	710,000	1,430,000	2,850,000	49.7%
May-20	380,000	\$2.6016	380,000	1,020,000	2,030,000	37.3%
Jun-20	300,000	\$2.5763	300,000	860,000	1,710,000	34.9%
Jul-20	220,000	\$2.5378	220,000	880,000	1,760,000	25.0%
Aug-20	140,000	\$2.5459	140,000	880,000	1,750,000	15.9%
Sep-20	70,000	\$2.5177	70,000	910,000	1,820,000	7.7%
Oct-20				1,330,000	2,660,000	
Nov-20				960,000	1,920,000	
Dec-20				1,340,000	2,680,000	
Total	4,300,000	\$2.7570	4,300,000	13,270,000	26,500,000	32.4%

Quantities stated above do not include natural hedging that emanates from storage. Based on the Company's injection plan for the 2018/2019 winter period, total storage supplies available for withdrawal totaled 8,536,404 dth. Adding this quantity to the hedged quantities for the November 2018 through March 2019 winter period of 5,640,000 dth results in a total hedged quantity of 14,176,404 dth or 69.8% of the normal winter firm sales requirement of 20,313,837 dth.

Elizabethtown Gas Company
Hedging Report
Status as of December 31, 2018

Gas Flow Month	Price Hedged		Total Quantity Price Protected Dth	ETG - GPS&P Guidelines		
	Quantity Dth	\$/Dth		Min Quantity Dth	Max Quantity Dth	Current Pct. of Min
Jan-19						
Feb-19	1,150,000	\$2.9747	1,150,000	1,130,000	2,250,000	101.8%
Mar-19	950,000	\$2.9131	950,000	1,030,000	2,070,000	92.2%
Apr-19	1,420,000	\$2.7247	1,420,000	1,410,000	2,820,000	100.7%
May-19	950,000	\$2.7411	950,000	1,000,000	2,000,000	95.0%
Jun-19	810,000	\$2.7620	810,000	840,000	1,680,000	96.4%
Jul-19	850,000	\$2.7620	850,000	860,000	1,730,000	98.8%
Aug-19	840,000	\$2.7597	840,000	860,000	1,720,000	97.7%
Sep-19	840,000	\$2.7578	840,000	900,000	1,790,000	93.3%
Oct-19	1,320,000	\$2.7333	1,320,000	1,360,000	2,720,000	97.1%
Nov-19	840,000	\$2.7950	840,000	950,000	1,900,000	88.4%
Dec-19	1,200,000	\$2.8348	1,200,000	1,330,000	2,660,000	90.2%
Total	11,170,000	\$2.8220	11,170,000	11,670,000	23,340,000	95.7%
Jan-20	1,350,000	\$2.9469	1,350,000	1,480,000	2,970,000	91.2%
Feb-20	890,000	\$2.8991	890,000	1,140,000	2,270,000	78.1%
Mar-20	670,000	\$2.8127	670,000	1,040,000	2,080,000	64.4%
Apr-20	910,000	\$2.5789	910,000	1,430,000	2,850,000	63.6%
May-20	490,000	\$2.5947	490,000	1,020,000	2,030,000	48.0%
Jun-20	350,000	\$2.5877	350,000	860,000	1,710,000	40.7%
Jul-20	280,000	\$2.5595	280,000	880,000	1,760,000	31.8%
Aug-20	200,000	\$2.5798	200,000	880,000	1,750,000	22.7%
Sep-20	140,000	\$2.5705	140,000	910,000	1,820,000	15.4%
Oct-20	170,000	\$2.6012	170,000	1,330,000	2,660,000	12.8%
Nov-20	70,000	\$2.6764	70,000	960,000	1,920,000	7.3%
Dec-20	50,000	\$2.8166	50,000	1,340,000	2,680,000	3.7%
Total	5,570,000	\$2.7522	5,570,000	13,270,000	26,500,000	42.0%
Jan-21				1,500,000	2,990,000	
Feb-21				1,150,000	2,290,000	
Mar-21				1,050,000	2,100,000	
Apr-21				1,440,000	2,880,000	
May-21				1,030,000	2,050,000	
Jun-21				860,000	1,730,000	
Jul-21				890,000	1,770,000	
Aug-21				880,000	1,770,000	
Sep-21				920,000	1,840,000	
Oct-21				1,340,000	2,680,000	
Nov-21				970,000	1,940,000	
Dec-21				1,350,000	2,700,000	
Total				13,380,000	26,740,000	

Quantities stated above do not include natural hedging that emanates from storage. Based on the Company's injection plan for the 2019/2020 winter period, total storage supplies available for withdrawal totaled 8,536,404 dth. Adding this quantity to the hedged quantities for the November 2019 through March 2020 winter period of 4,950,000 dth results in a total hedged quantity of 13,486,404 dth or 66.0% of the normal winter firm sales requirement of 20,419,835 dth.

Elizabethtown Gas Company

Hedging Report

Status as of March 31, 2019

Gas Flow Month	Price Hedged		Total Quantity Price Protected Dth	ETG - GPS&P Guidelines		
	Quantity Dth	\$/Dth		Min Quantity Dth	Max Quantity Dth	Current Pct. of Min
Jan-19						
Feb-19						
Mar-19						
Apr-19						
May-19	950,000	\$2.7411	950,000	1,000,000	2,000,000	95.0%
Jun-19	810,000	\$2.7620	810,000	840,000	1,680,000	96.4%
Jul-19	850,000	\$2.7620	850,000	860,000	1,730,000	98.8%
Aug-19	840,000	\$2.7597	840,000	860,000	1,720,000	97.7%
Sep-19	840,000	\$2.7578	840,000	900,000	1,790,000	93.3%
Oct-19	1,320,000	\$2.7333	1,320,000	1,360,000	2,720,000	97.1%
Nov-19	840,000	\$2.7950	840,000	950,000	1,900,000	88.4%
Dec-19	1,200,000	\$2.8348	1,200,000	1,330,000	2,660,000	90.2%
Total	7,650,000	\$2.8220	7,650,000	8,100,000	16,200,000	94.4%
Jan-20	1,350,000	\$2.9469	1,350,000	1,480,000	2,970,000	91.2%
Feb-20	930,000	\$2.9092	930,000	1,140,000	2,270,000	81.6%
Mar-20	730,000	\$2.8238	730,000	1,040,000	2,080,000	70.2%
Apr-20	1,130,000	\$2.5874	1,130,000	1,430,000	2,850,000	79.0%
May-20	620,000	\$2.5918	620,000	1,020,000	2,030,000	60.8%
Jun-20	420,000	\$2.5915	420,000	860,000	1,710,000	48.8%
Jul-20	360,000	\$2.5765	360,000	880,000	1,760,000	40.9%
Aug-20	290,000	\$2.5973	290,000	880,000	1,750,000	33.0%
Sep-20	230,000	\$2.5899	230,000	910,000	1,820,000	25.3%
Oct-20	370,000	\$2.6174	370,000	1,330,000	2,660,000	27.8%
Nov-20	170,000	\$2.6811	170,000	960,000	1,920,000	17.7%
Dec-20	250,000	\$2.8328	250,000	1,340,000	2,680,000	18.7%
Total	6,850,000	\$2.7406	6,850,000	13,270,000	26,500,000	51.6%
Jan-21	240,000	\$2.9558	240,000	1,500,000	2,990,000	16.0%
Feb-21	100,000	\$2.9072	100,000	1,150,000	2,290,000	8.7%
Mar-21	70,000	\$2.7764	70,000	1,050,000	2,100,000	6.7%
Apr-21				1,440,000	2,880,000	
May-21				1,030,000	2,050,000	
Jun-21				860,000	1,730,000	
Jul-21				890,000	1,770,000	
Aug-21				880,000	1,770,000	
Sep-21				920,000	1,840,000	
Oct-21				1,340,000	2,680,000	
Nov-21				1,440,000	2,890,000	
Dec-21				1,350,000	2,700,000	
Total	410,000	\$2.9133	410,000	13,850,000	27,690,000	3.0%

Quantities stated above do not include natural hedging that emanates from storage. Based on the Company's injection plan for the 2019/2020 winter period, total storage supplies available for withdrawal totaled 8,536,404 dth. Adding this quantity to the hedged quantities for the November 2019 through March 2020 winter period of 5,050,000 dth results in a total hedged quantity of 13,586,404 dth or 66.5% of the normal winter firm sales requirement of 20,419,835 dth.

Elizabethtown Gas Company

FERC Pipeline Activities

FERC PennEast Pipeline Project (Docket No. CP15-558-000)

On September 24, 2015, PennEast Pipeline Company, LLC (PennEast) filed an application pursuant to section 7(c) of the Natural Gas Act (NGA) and Parts 157 and 284 of the Commission's regulations, requesting authorization to construct and operate a new 116-mile natural gas pipeline from Luzerne County, Pennsylvania, to Mercer County, New Jersey, along with three laterals extending off the mainline, a compression station, and appurtenant above ground facilities (PennEast Project). The project is designed to provide up to 1,107,000 dekatherms per day (Dth/d) of firm transportation service. PennEast also requested a blanket certificate under Part 284, Subpart G of the FERC's regulations to provide open-access transportation services, and a blanket certificate under Part 157, Subpart F of the Commission's regulations to perform certain routine construction activities and operations. By Order dated January 19, 2018 the FERC issued a certificate of public convenience and necessity to PennEast, authorizing it to construct and operate the proposed PennEast Project. The certificate authority issued in the Order was conditioned on: (1.) PennEast's proposed project being constructed and made available for service within two years of the date of the order, (2) PennEast's compliance with all applicable Commission regulations, (3) PennEast's compliance with the environmental conditions listed in the order, along with other stipulations. The Order also provided PennEast with the two requested blanket certificates mentioned above.

Transco General Rate Case Filing (Docket No. RP18-1126-000)

On August 31, 2018 Transco filed a Section 4 general rate case to be effective October 1, 2018. After suspension, the increased rates became effective March 1, 2019, subject to refund. The principle factors supporting the increased cost of service are (a) an increase in operation and maintenance expenses, (b) an increase depreciation expense, and (c) an increase in return and related income taxes. On September 28, 2018 the FERC issued an "Order Accepting Tariff Records, Accepting and Suspending Tariff Records, Subject to Refund, and Establishing Hearing and Settlement Judge Procedures" in response to Transco's rate case filings. Transco began billing the motion rates effective March 1, 2019, subject to refund. The settlement process is continuing.

Approval of Transco's Annual Electric Power Tracker Filing (Docket No. RP19-800-000)

On March 26, 2019, the Commission approved the rates included in Transco's annual electric power tracker filing proposed effective April 1, 2019. The revised rates can be found in the rates matrices contained in 1Line's Informational Postings – Regulatory section.

Approval of Transco's Annual Fuel Tracker Filing (Docket No. RP19-798-000)

On March 26, 2019, the Commission approved the fuel percentages included in Transco's annual fuel tracker filing proposed effective April 1, 2019. The revised fuel retention

percentages can be found in the rates matrices contained in 1Line's Informational Postings – Regulatory section.

Market Area Pooling Changes (Docket No. RP18-1045-000)

On August 3, 2018, Transco filed tariff records to implement a revised assessment of pooling charges at the Zone 5 and Zone 6 pooling points, consistent with the *pro forma* tariff records approved by the Commission by Letter Order issued on April 17, 2018 in Docket No. RP18-568-000. The tariff records submitted in the August 3, 2018 filing are proposed to become effective on October 1, 2018.

Order Approving Abandonment and Amending Certificate – Eminence Storage (Docket No. CP-18-145-000)

On January 24, 2019, the Commission issued an order granting Transco authorization to partially abandon the storage capacity and to reduce the certificated capacity and pressure parameters for Caverns 5, 6, and 7 at the Eminence Storage Field ("January 24 Order"). The January 24 Order approved Transco's proposal to reduce the total storage capacity available to provide Eminence storage services. The abandonment will not disrupt service to existing storage customers because the remaining capacity is sufficient to provide the currently contracted services. Outstanding Eminence allocation issues is being addressed in Transco's section 4 rate case in Docket No. RP18-1126-000.

Texas Eastern General Rate Case Filing (Docket No. RP-19-343)

On November 30, 2018 Texas Eastern filed a Section 4 general rate case to be effective January 1, 2019. After suspension, the increased rates will become effective June 1, 2019, subject to refund. Texas Eastern's proposed tariff revisions include changes to the transportation and storage rates for services that Texas Eastern provides under its firm and interruptible rate schedules, and the establishment of a gathering rate. Moreover, Texas Eastern proposed rate increases for the maximum recourse reservation and usage charges for each of the Access Area and Market Area zone matrices. Texas Eastern stated that the changes proposed in this filing are warranted to recover its cost of service and the proposed increases are primarily due to the significant growth in Texas Eastern's rate base due to the growth in system net plant. The case remains pending.

Columbia's Operational Transaction Rate Adjustment Filing (OTRA) (Docket No. RP19-1043-000)

On March 17, 2016 in Docket No. RP16-314-000 the Commission issued an order approving Columbia's Modernization II Settlement, which by its terms extended Columbia's OTRA mechanism through March 31, 2022. Columbia's OTRA mechanism provides for semi-annual filings to adjust its OTRA rates for both a summer season and winter season each year. The semi-annual filings address both prospective changes in OTRA costs, as well as prior period over or under-recoveries. As a result, implementation of the 2018 summer season OTRA rates led to an under-recovery of approximately \$1.1 million. In accordance with Section 154.7(a)(9) of the Commission's regulations the new rate became effective May 1, 2019.

Columbia's Periodic Transportation Costs Rate Adjustment Filing (TCRA) (Docket No. RP19-1191-000)

In the instant filing, Columbia proposes to increase the recoverable Operational 858 Costs for the period June 1, 2019, through March 31, 2020, by \$6,383,617. The \$6,383,617 increase in projected Operational 858 Costs is driven primarily by the increase in Texas Eastern's transportation rates, effective June 1, 2019, which will result in a \$5,742,878 increase in the Operational 858 Costs associated with the contracts that Columbia has entered into with Texas Eastern. Columbia is proposing to update its currently effective TCRA rates through the instant Periodic TCRA Filing, effective June 1, 2019.

Elizabethtown Gas Company
Historical and Estimated Supply and Demand Requirements
All figures in MDth unless otherwise noted

REQUIREMENTS	2016-2017 ACTUALS			2017-2018 ACTUALS			2018-2019 ACTUALS/ESTIMATE ⁴		
	Non			Non			Non		
	Heating	Heating	Annual	Heating	Heating	Annual	Heating	Heating	Annual
FIRM									
<i>Residential</i>	15,552	5,869	21,421	17,576	6,917	24,493	17,916	4,805	22,721
<i>Commercial</i>	4,940	1,765	6,705	5,463	4,315	9,778	10,366	2,075	12,441
<i>Industrial</i>	64	35	99	47	136	183	172	61	233
<i>Company Use</i>	135	91	226	165	111	276	169	114	283
<i>Unacct. For</i> ⁵	455	171	626	512	253	764	630	155	785
Total Firm Requirements (Normal)	21,145	7,931	29,076	23,762	11,731	35,493	29,252	7,210	36,463
DESIGN WINTER INCREMENT	N/A		N/A	N/A		N/A	N/A		N/A
TOTAL FIRM REQUIREMENTS (Design)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
AVAILABLE FOR NON-FIRM SERVICE ¹	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CAPACITY									
Pipeline Deliverability (delivering pipe)									
<i>Transco</i>	21,363	28,538	49,901	21,363	28,538	49,901	21,503	28,538	50,041
<i>Texas Eastern</i>	4,841	6,860	11,701	4,841	6,860	11,701	4,873	6,860	11,733
<i>PennEast</i>									
<i>Columbia Gas</i>	2,483	3,518	6,001	2,483	3,518	6,001	2,499	3,518	6,017
<i>Tennessee</i>	611	866	1,477	611	866	1,477	615	866	1,481
Total Pipeline Deliverability	29,298	39,782	69,080	29,298	39,782	69,080	29,490	39,782	69,272
Storage Deliverability									
<i>Storage Capacity</i>	9,244		0	9,244		0	9,244		0
<i>Emergency Reserve</i> ²	400	400	0	400	400	0	400	400	0
<i>(Injections)/Withdrawals</i>	8,844	(8,844)	0	8,844	(8,844)	0	8,844	(8,844)	0
Peaking Deliverability									
On-System:									
<i>LNG</i>	135	0	135	135	0	135	135	0	135
Via Pipeline:									
<i>Cogeneration Recall</i>	761	0	761	761	0	761	761	0	761
<i>LGA</i>	155	0	155	155	0	155	155	0	155
<i>Other</i>	870	0	870	765	0	765	900	0	900
Total Peaking Capacity	1,921	0	1,921	1,816	0	1,816	1,951	0	1,951
TOTAL AVAILABLE CAPACITY	40,063	30,938	71,001	39,958	30,938	70,896	40,285	30,938	71,223
SUPPLY									
<i>Long Term Firm Supply</i>									
<i>Seasonal or Annual Firm Supply</i>									
<i>Other</i> ³									
TOTAL GAS SUPPLY CONTRACTS									

Heating Season - Nov 1 through Mar 31, Non-heating Season - April 1 through Oct 31, Annual Period - Nov 1 through Oct 31.

Forecast based on 10 year normal weather (2008 - 2018)

¹ Values listed in "Available For Non-firm Service" represent capacity available to Elizabethtown within its Firm Contract capabilities that can be used to provide Interruptible service over the course of a design winter. Additional sales to interruptible markets could be made to the degree actual weather conditions are warmer than design conditions.

² Reserve for colder than normal weather in April.

³ Spot purchases or new firm supplies.

⁴ Actuals through April 2018.

⁵ Seasonal Lost and Unaccounted for values are prorated from the annual.

Elizabethtown Gas Company
Historical and Estimated Supply and Demand Requirements
All figures in MDth unless otherwise noted

REQUIREMENTS	2019-2020 ESTIMATE			2020-2021 ESTIMATE			2021-2022 ESTIMATE		
	Non Heating		Annual	Non Heating		Annual	Non Heating		Annual
	Heating	Heating		Heating	Heating		Heating	Heating	
FIRM									
<i>Residential</i>	17,822	4,686	22,508	17,929	4,700	22,629	18,134	4,640	22,774
<i>Commercial</i>	6,002	2,116	8,118	6,152	2,201	8,353	6,334	2,265	8,599
<i>Industrial</i>	50	61	111	50	61	111	50	61	111
<i>Company Use</i>	147	99	246	149	100	249	150	102	252
<i>Unacct. For⁴</i>	528	153	682	534	155	690	543	155	698
Total Firm Requirements (Normal)	24,549	7,115	31,665	24,814	7,218	32,031	25,211	7,223	32,434
DESIGN WINTER INCREMENT	6,005	0	6,005	6,117	0	6,117	6,122	0	6,122
TOTAL FIRM REQUIREMENTS (Design)	30,554	7,115	37,670	30,931	7,218	38,148	31,333	7,223	38,556
AVAILABLE FOR NON-FIRM SERVICE¹	14,754	33,979	48,733	18,153	39,222	57,375	17,750	39,217	56,967
CAPACITY									
Pipeline Deliverability (delivering pipe)									
<i>Transco</i>	24,015	32,297	56,312	24,015	32,292	56,307	24,015	32,292	56,307
<i>Texas Eastern</i>	9,355	13,258	22,613	9,355	13,258	22,613	9,355	13,258	22,613
<i>PennEast</i>				3,775	5,350	9,125	3,775	5,350	9,125
<i>Columbia Gas</i>	2,483	3,518	6,001	2,483	3,518	6,001	2,483	3,518	6,001
<i>Tennessee</i>	611	866	1,477	611	866	1,477	611	866	1,477
Total Pipeline Deliverability	36,464	49,939	86,403	40,239	55,284	95,523	40,239	55,284	95,523
Storage Deliverability									
<i>Storage Capacity</i>	9,244		0	9,244		0	9,244		0
<i>Emergency Reserve²</i>	400	400	0	400	400	0	400	400	0
<i>(Injections)/Withdrawals</i>	8,844	(8,844)	0	8,844	(8,844)	0	8,844	(8,844)	0
Peaking Deliverability									
On-System:									
<i>LNG</i>	135	0	135	135	0	135	135	0	135
Via Pipeline:									
<i>Cogeneration Recall</i>	336	0	336	336	0	336	336	0	336
<i>LGA</i>	155	0	155	155	0	155	155	0	155
<i>Other</i>	345	0	345	30	0	30	90	0	90
Total Peaking Capacity	971	0	971	656	0	656	716	0	716
TOTAL AVAILABLE CAPACITY	46,279	41,095	87,374	49,739	46,440	96,179	49,799	46,440	96,239
SUPPLY									
<i>Long Term Firm Supply</i>									
<i>Seasonal or Annual Firm Supply</i>									
<i>Other³</i>	15,705	15,960	31,665	15,969	16,062	32,031	16,367	16,067	32,434
TOTAL GAS SUPPLY CONTRACTS	15,705	15,960	31,665	15,969	16,062	32,031	16,367	16,067	32,434
DESIGN PEAK DAY									
		2019-2020 ESTIMATE		2020-2021 ESTIMATE		2021-2022 ESTIMATE			
		Dth per Day		Dth per Day		Dth per Day			
DEMAND:									
<i>Firm Sales</i>		424,150		427,751		431,662			
<i>LAUF</i>		8,833		8,908		8,990			
<i>Interruptible Sales</i>		0		0		0			
<i>Transportation Service</i>		143,984		145,193		146,403			
TOTAL THROUGHPUT		576,967		581,852		587,055			
SUPPLY:									
<i>Storage & Seasonal</i>		117,776		117,776		117,776			
<i>Pipeline Transport</i>		233,478		258,478		258,478			
Peaking									
<i>Contracted</i>		38,950		38,950		38,950			
<i>Mechanical</i>		25,000		25,000		25,000			
<i>3rd Party</i>		23,000		2,000		6,000			
<i>Take-back</i>		16,095		16,095		16,095			
<i>TPS Deliveries</i>		142,692		144,536		146,238			
TOTAL SUPPLY		596,991		602,835		608,537			

Heating Season - Nov 1 through Mar 31, Non-heating Season - April 1 through Oct 31, Annual Period - Nov 1 through Oct 31.

Forecast based on 10 year normal weather (2008 - 2018)

¹ Values listed in "Available For Non-firm Service" represent capacity available to Elizabethtown within its Firm Contract capabilities that can be used to provide Interruptible service over the course of a design winter. Additional sales to interruptible markets could be made to the degree actual weather conditions are warmer than design conditions.

² Reserve for colder than normal weather in April.

³ Spot purchases or new firm supplies.

⁴ Seasonal Lost and Unaccounted for values are prorated from the annual.

Elizabethtown Gas Company
Historical and Estimated Supply and Demand Requirements
All figures in MDth unless otherwise noted

REQUIREMENTS	2022-2023 ESTIMATE			2023-2024 ESTIMATE		
	Non Heating			Non Heating		
	Heating	Heating	Annual	Heating	Heating	Annual
FIRM						
<i>Residential</i>	18,331	4,579	22,910	18,531	4,515	23,046
<i>Commercial</i>	6,523	2,330	8,853	6,711	2,394	9,105
<i>Industrial</i>	50	61	111	50	61	111
<i>Company Use</i>	152	103	255	154	104	258
<i>Unacct. For</i> ⁴	551	156	707	560	156	715
Total Firm Requirements (Normal)	25,607	7,228	32,836	26,006	7,230	33,236
DESIGN WINTER INCREMENT	6,129	0	6,129	6,135	0	6,135
TOTAL FIRM REQUIREMENTS (Design)	31,736	7,228	38,965	32,141	7,230	39,371
AVAILABLE FOR NON-FIRM SERVICE¹	17,347	39,211	56,558	16,942	39,210	56,152
CAPACITY						
Pipeline Deliverability (delivering pipe)						
<i>Transco</i>	24,015	32,292	56,307	24,015	32,292	56,307
<i>Texas Eastern</i>	9,355	13,258	22,613	9,355	13,258	22,613
<i>PennEast</i>	3,775	5,350	9,125	3,775	5,350	9,125
<i>Columbia Gas</i>	2,483	3,518	6,001	2,483	3,518	6,001
<i>Tennessee</i>	611	866	1,477	611	866	1,477
Total Pipeline Deliverability	40,239	55,284	95,523	40,239	55,284	95,523
Storage Deliverability						
<i>Storage Capacity</i>	9,244		0	9,244		0
<i>Emergency Reserve²</i>	400	400	0	400	400	0
<i>(Injections)/Withdrawals</i>	8,844	(8,844)	0	8,844	(8,844)	0
Peaking Deliverability						
On-System:						
<i>LNG</i>	135	0	135	135	0	135
Via Pipeline:						
<i>Cogeneration Recall</i>	336	0	336	336	0	336
<i>LGA</i>	155	0	155	155	0	155
<i>Other</i>	165	0	165	225	0	225
Total Peaking Capacity	791	0	791	851	0	851
TOTAL AVAILABLE CAPACITY	49,874	46,440	96,314	49,934	46,440	96,374
SUPPLY						
<i>Long Term Firm Supply</i>						
<i>Seasonal or Annual Firm Supply</i>						
<i>Other³</i>	16,763	16,073	32,836	17,162	16,074	33,236
TOTAL GAS SUPPLY CONTRACTS	16,763	16,073	32,836	17,162	16,074	33,236
DESIGN PEAK DAY	2022-2023 ESTIMATE		2023-2024 ESTIMATE			
	Dth per Day		Dth per Day			
DEMAND:						
<i>Firm Sales</i>		435,654		439,548		
<i>LAUF</i>		9,073		9,154		
<i>Interruptible Sales</i>		0		0		
<i>Transportation Service</i>		147,612		148,822		
TOTAL THROUGHPUT		592,339		597,524		
SUPPLY:						
<i>Storage & Seasonal</i>		117,776		117,776		
<i>Pipeline Transport</i>		258,478		258,478		
Peaking						
<i>Contracted</i>		38,950		38,950		
<i>Mechanical</i>		25,000		25,000		
<i>3rd Party</i>		11,000		15,000		
<i>Take-back</i>		16,095		16,095		
<i>TPS Deliveries</i>		147,916		149,600		
TOTAL SUPPLY		615,215		620,899		

Heating Season - Nov 1 through Mar 31, Non-heating Season - April 1 through Oct 31, Annual Period - Nov 1 through Oct 31.

Forecast based on 10 year normal weather (2008 - 2018)

¹ Values listed in "Available For Non-firm Service" represent capacity available to Elizabethtown within its Firm Contract capabilities that can be used to provide Interruptible service over the course of a design winter. Additional sales to interruptible markets could be made to the degree actual weather conditions are warmer than design conditions.

² Reserve for colder than normal weather in April.

³ Spot purchases or new firm supplies.

⁴ Seasonal Lost and Unaccounted for values are prorated from the annual.

Elizabethtown Gas Company
Changes to Firm Transportation and Storage Contracts

	Tariff Service	Old Contract No.	New Contract No.	FERC Certificate	DCQ (dth/day)	MSQ (dth)	Termination Date	Evergreen/Rollover (Y/N)	Recent Action Taken
ARLINGTON STORAGE COMPANY	FSS-SB	EGC_SB00005FSS-A	EGC_SB00005FSS-A	284	5,556	500,000	3/31/2023	Y	No change
COLUMBIA GAS TRANSMISSION	NTS	39275	207205	284	12,736		10/31/2020	Y	No change
	SST	78749	207195	284	3,644		3/31/2020	N	No change
	FSS	78480	207297	284	3,644	230,168	3/31/2020	N	No change
	FTS	92061	207204	284	10,000		10/31/2020	Y	No change
DOMINION ENERGY TRANSMISSION	FTNN	100115	5E4115	284	6,444		3/31/2021		No change
	FT	200394	200748	7c	5,522		Evergreen	Y	Term extended per Evergreen Roll-over
	FT	200397	200750	284	17,120		Evergreen	Y	Term extended per Evergreen Roll-over
	GSS	300165	5F2468	284	10,826	645,244	3/31/2023	Y	No change
	GSS	300167	5F2469	284	16,667	1,666,666	3/31/2022	Y	No change
	GSS (TE)	600044	600050	7c	23,190	2,387,206	Evergreen	Y	Term extended per Evergreen Roll-over
GULF SOUTH	FSS-P	5904	49786	284	10,000	100,000	Evergreen	Y	Term extended per Evergreen Roll-over
	FTS	34691	49785	284	15,000		3/31/2022	N	Term extended
NATIONAL FUEL GAS SUPPLY	EFT	E00526	E12398	284	11,090		Evergreen	Y	Term extended per Evergreen Roll-over
	FT-3	F01642	F12397	284	15,805		Evergreen	Y	Term extended per Evergreen Roll-over
STAGECOACH PIPELINE & STORAGE COMPANY	FSS	PUHI00166FS	PUHI00166FS	284	3,040	304,000	3/31/2024	N	Term extended
TEXAS EASTERN TRANSMISSION	FTS	330837	911510	7c	1,520		Evergreen	Y	Term extended per Evergreen Roll-over
	FTS-8	331013	911511	7c	8,469		Evergreen	Y	Term extended per Evergreen Roll-over
	FTS-5	331501	911512	7c	16,666		Evergreen	Y	Term extended per Evergreen Roll-over
	FTS-7	331720	911513	7c	14,298		Evergreen	Y	Term extended per Evergreen Roll-over
	SS-1	400196	400258	284	3,646	379,911	Evergreen	Y	Term extended per Evergreen Roll-over
	CDS	800217	911522	284	20,220		10/31/2023	Y	Term extended
	FT-1	800392	911520	284	1,348		Evergreen	Y	Term extended per Evergreen Roll-over
	FT-1	830029	911523	284	20,000		Evergreen	Y	Term extended per Evergreen Roll-over
	FT-1	910080	911518	284	5,000		3/31/2021	Y	No change
	FT-1	910081	911519	284	5,000		3/31/2021	Y	No change
	FT-1	910333	911517	284	5,394		Evergreen	Y	Term extended per Evergreen Roll-over
TENNESSEE GAS PIPELINE	FT-G	597	339380	284	3,048		10/31/2019	Y	No change
	FT-G	603	339379	284	1,014		10/31/2019	Y	No change
	FT-A	959	339378	284	1,000		4/30/2022	Y	No change
	FS-MA	8703	339377	284	1,014	100,485	3/31/2023	Y	No change
	FT-AQTGP	317355	317355	284	3,000		10/31/2019	N	No change
TRANSCONTINENTAL GAS PIPE LINE COMPANY	GSS	1000739	9213011	7c	27,604	1,759,955	3/31/2023	Y	No change
	LG-S	1000740		7c		n/a	Evergreen	Y	Terminated
	LSS	1000741	9213012	7c	8,000	600,000	3/31/2023	Y	No change
	S-2	1000742	9213010	7c	7,267	653,186	Evergreen	Y	Term extended per Evergreen Roll-over
	FT	1002230	9213320	284	1,811		Evergreen	Y	Term extended per Evergreen Roll-over
	FT	1003686	9213453	284	77,755		Evergreen	Y	Term extended per Evergreen Roll-over
	FT	1003832	9213334	284	5,175		Evergreen	Y	Term extended per Evergreen Roll-over
	FT	1005014	9213321	284	1,967		Evergreen	Y	Term extended per Evergreen Roll-over
	FT	1010431	9213319	284	2,588		Evergreen	Y	Term extended per Evergreen Roll-over
	FT	1010445	9213324	284	1,442		Evergreen	Y	Released through 3/31/2021
	FT	1011995	9213332	284	15,000		Evergreen	Y	Term will extend per Evergreen Roll-over
	FT	1011997	9213329	284	17,595		Evergreen	Y	Term will extend per Evergreen Roll-over
	FT	1011998	9213333	284	15,615		Evergreen	Y	Term will extend per Evergreen Roll-over
	LNG	1032229	9213335	284	38,950	154,951	6/30/2020	Y	Term extended per Evergreen Roll-over
	WSS-OA	1041432	9213322	284	35,923	3,412,638	Evergreen	Y	Term extended per Evergreen Roll-over
	FT	1044821	9213336	284	6,973		Evergreen	Y	Term extended per Evergreen Roll-over
	ESS	9050547	9213323	284	29,822	250,075	9/30/2029	Y	No change
	FT	9077828	9213318	284	10,000		10/31/2029	Y	No change
	FT	9090630	9213317	284	5,000		11/18/2029	Y	No change
	FT	9158868	9213337	284	11,090		6/30/2020	Y	Term extended per Evergreen Roll-over
	FT	9159808	9213338	284	500		6/30/2020	Y	Term extended per Evergreen Roll-over