



Minnesota Energy Resources Corporation
Suite 200
1995 Rahnclyff Court
Eagan, MN 55122
www.minnesotaenergyresources.com

September 29, 2017

VIA ELECTRONIC FILING

Daniel P. Wolf
Executive Secretary
Minnesota Public Utilities Commission
121 Seventh Place East, Suite 350
St. Paul, MN 55101

**Re: In the Matter of the Petition of Minnesota Energy Resources Corporation for
Approval of a New Base Cost of Gas for Interim Rates**

Docket No. G011/MR-17-564

Dear Mr. Wolf:

Enclosed for filing, please find Minnesota Energy Resources Corporation's ("MERC's") Petition for approval of a new base cost of gas to for interim rates to be proposed in Docket No. G011/GR-17-563. A copy of this filing has been served on the Department of Commerce, Division of Energy Resources and the Office of the Attorney General, Residential Utilities and Antitrust Division. A summary of the filing has been served on all other parties on the attached service list.

Please contact me at (651) 322-8965 if you have any questions.

Sincerely,

/s/ Amber S. Lee

Amber S. Lee
Regulatory and Legislative Affairs Manager
Minnesota Energy Resources Corporation

Enclosure
cc: Service List

**STATE OF MINNESOTA
BEFORE THE MINNESOTA PUBLIC UTILITIES COMMISSION**

Nancy Lange
Dan Lipschultz
Matt Schuerger
Katie Sieben
John Tuma

Chair
Commissioner
Commissioner
Commissioner
Commissioner

In the Matter of the Petition of
Minnesota Energy Resources Corporation
for Approval of a New Base Gas Cost for
Interim Rates

Docket No. G011/MR-17-564

PETITION FOR APPROVAL

INTRODUCTION

Pursuant to Minn. R. 7825.2700, subp. 2 and Minn. R. 7825.3200, part B, Minnesota Energy Resources Corporation (“MERC” or the “Company”) hereby submits to the Minnesota Public Utilities Commission (the “Commission”) a petition for approval to implement new base gas costs to coincide with the implementation of interim rates in the Company’s general rate case filing, Docket No. G011/GR-17-563.

I. Summary of Filing

A one-paragraph summary of the filing accompanies this petition pursuant to Minn. R. 7829.1300, subp. 1.

II. Service on Other Parties

Pursuant to Minn. R. 7829.1300, subp. 2, MERC has served a copy of this petition on the Department of Commerce, Division of Energy Resources and the Office of the Attorney General, Residential Utilities and Antitrust Division. A summary of this filing has been served on all

parties on MERC's miscellaneous gas service list and on the service lists from the Company's last natural gas general rate case (Docket No. G011/GR-15-736), and base cost of gas proceeding (Docket No. G011/MR-15-748). A certificate of service and the service lists are attached.

III. General Filing Information

Pursuant to Minn. R. 7829.1300, subp. 3, MERC provides the following required information.

A. Name, Address, and Telephone Number of Filing Party

Minnesota Energy Resources Corporation
1995 Rahncliff Court, Suite 200
Eagan, MN 55122
(651)322-8900

B. Name, Address, Electronic Address, and Telephone Number of Attorney for the Filing Party

Elizabeth M. Brama
Kristin M. Stastny
Lauren E. Pockl
Briggs and Morgan, P.A.
2200 IDS Center
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(612) 977-8656

Koby Bailey
WEC Energy Group, Inc.
200 East Randolph Street
Suite 2300
Chicago, IL 60601
kabailey@integrysgroup.com
(312) 240-4081

C. Date of Filing and Date Modified Rates Take Effect

MERC is submitting this filing on September 29, 2017. Pursuant to Minn. Stat. § 216B.16, subd. 1, the Company is requesting approval of the new base gas costs effective with interim rates in Docket No. G011/GR-17-563. MERC is proposing interim rates effective January 1, 2018.

D. Statute Controlling Schedule for Processing the Filing

The governing statute permitting a request for a change in rates is Minn. Stat. § 216B.16, subd. 1. Minn. Stat. § 216B.16, subd. 1 states that a rate or tariff change proposed by a utility may be placed into effect sixty days after filing with the Commission, unless suspended by the Commission under Minn. Stat. § 216B.16, subd. 2. MERC requests that the Commission allow the attached tariff sheets, which change rates to reflect inclusion of a new base cost of gas, to be effective with the implementation of interim rates, which MERC will request become effective January 1, 2018; or effective with the implementation of the proposed final rates, if those rates are not suspended and interim rates are not put into effect. Under Minn. R. 7825.2700, subp. 2 and 7829.0100, subp. 1, this filing is considered a miscellaneous filing. Minn. R. 7829.1400, subp. 1 and subp. 4 permit comments in response to a miscellaneous filing within 30 days of filing, with reply comments due 10 days thereafter.

E. Signature, Electronic Address, and Title of Utility Employee Responsible for the Filing



Amber S. Lee
Regulatory and Legislative Affairs Manager
1995 Rahnclyff Court, Suite 200
Eagan, MN 55122
ASLee@integrysgroup.com
(651) 322-8965

IV. Description and Purpose of Filing and Impact on Rates and Services

A. Description of the Proposed Tariff

Pursuant to Minn. R. 7825.2700, subp. 2, a new base gas cost must be submitted as a miscellaneous rate change to coincide with the implementation of interim rates during a general rate proceeding; or to coincide with the implementation of the proposed final rates, if those rates are not suspended and interim rates are not put into effect. The proposed interim rates in Docket No. G011/GR-17-563 were developed using the new base gas costs included in this filing.

Projected gas cost data and forecasted gas sales for calendar year 2018 were used to calculate the new base cost of gas. Forecasted sales data by rate class for 2018 used in the calculation of the base cost of gas are listed in Exhibit 1, page 2 of 20 (Sales Forecast Summary). Projected costs in the new base cost of gas include gas commodity, pipeline demand, pipeline volumetric, storage, and hedging costs. Demand, volumetric, and storage costs are based on contracted pipeline rates. These rates differ between pipelines, resulting in a different base cost of gas for each PGA system (MERC-NNG and MERC-Consolidated).

All commodity costs are based on May 15, 2017 NYMEX pricing, plus or minus the appropriate projected monthly receipt point basis for each receipt point. May 15, 2017 NYMEX pricing was used because a mid-month price in general avoids the end of month or beginning of month price volatility that occurs prior to or immediately after bid week in the natural gas market. The month of May was chosen because it was the most recently completed period corresponding to the schedule set by MERC to compile the rate case filing in Docket No. G011/GR-17-563.

The combined monthly NYMEX prices and associated basis used for each pipeline are listed in Exhibit 1, page 9 (Gas Pricing Inputs Based on 05-15-17 NYMEX Futures Pricing). The monthly sales forecast listed in Exhibit 1 pages 6, 7, and 8 (MERC Sales Forecast from the SUMG file) is used to identify the volume of gas purchases required for current month sales and any injections or withdrawals to/from storage. The calculations used to project storage activity and costs are listed in Exhibit 1, pages 10 and 11 (Storage). The cost of the gas commodity is calculated by multiplying the monthly sales and storage volumes by the monthly projected price. Monthly gas commodity costs are listed in the “Sales Gas Cost” column in Exhibit 1, pages 13 (NNG Gas Cost) and 16 (Consolidated Gas Cost). The estimated costs of call option premiums associated with price hedging for the respective PGA systems are listed in Exhibit 1 on page 6 (Other Gas Supply Inputs). These monthly call option premium costs by PGA system are listed in Exhibit 1, page 17 (Gas Cost Summary) in the column labeled “Hedging Cost.” Call option premium costs are recovered from firm and interruptible customers.

Volumetric costs are calculated by applying the respective pipeline rates and surcharges to the total gas requirement for each PGA system on a monthly basis. The calculations used to project monthly volumetric costs are listed in Exhibit 1, pages 13 (NNG Gas Cost) and 16 (Consolidated Gas Cost) in the column labeled “Total Volumetric Cost.”

Demand costs are calculated by applying the respective contract rates and surcharges to the total gas requirement for each PGA system on a monthly basis. The projected monthly demand costs are listed in Exhibit 1, pages 3 and 4 (Demand Costs by Contract). Please note that in accordance with the Commission’s August 6, 2014, Order inDocket Nos. G-007/M-07-1402, G-

007/M-07-1403, G-007/M-07-1404, and G-007/M-07-1405, storage demand charges will be recovered via the commodity charge rate factor effective November 1, 2014. Additionally, in accordance with the Commission's November 14, 2013, Order Accepting Gas Utilities' Automatic Adjustment Reports and True-up Proposals, and Setting Further Requirements in Docket No. G999/AA-12-756, cost recovery of Balancing Services shifted from the demand rate factor to commodity rate factor on November 1, 2013. Finally, in accordance with the Commission's January 21, 2015, Order in Docket Nos. G-007/M-10-1166, G-007/M-10-1167, G-011/M-10-1168, and G-011/M-10-1169, the recovery of Bison and Northern Border Pipeline costs shifted from the demand rate factor to the commodity rate factor. The recovery of storage demand costs, balancing costs, and Bison/Northern Border Pipeline costs have been shifted from the demand recovery portion to the commodity recovery portion of a base rates. These costs are listed in Exhibit 1, pages pages 13 (NNG Gas Cost) and 16 (Consolidated Gas Cost) in the "Demand Charges" column.

Exhibit 1, page 17 (GasCost Summary) summarizes monthly projected Gas Commodity, Volumetric, Demand, Hedging, and Total costs by PGA system and summarizes the same information for MERC in total.

The total monthly costs for 2018 are added together to calculate the total annual gas cost for each PGA system. The annual cost for each PGA system is divided by the projected annual sales for the respective PGA system, not including System Loss quantities, in order to obtain the rate for the base cost of gas. Therefore, the costs of System Losses are proposed to be recovered via the PGA. The calculations used to project annual rates associated with Commodity and Demand

costs are listed in Exhibit 1, pages 18 and 19 (Calculation of Proposed Base Rates). The base cost of gas rate for interruptible gas service does not include pipeline demand costs. Company Use gas costs are assumed to be recovered through base distribution rates, and not through the PGA.

The proposed rates for the new base cost of gas for each PGA system were calculated by dividing the total projected annual gas cost components (commodity, volumetric, and demand) for the PGA system by the total annual forecasted gas sales for the PGA system, not including System Loss quantities. The proposed new base cost of gas rates are displayed in the table below:

PGA System	Firm (General Service) \$/therm	Interruptible \$/therm
MERC - NNG	0.46767	0.37406
MERC - Consolidated	0.38990	0.31575

Exhibit 1, page 1 (Proposed v. Current Base Rates) summarizes the proposed base cost of gas by PGA system for firm, interruptible, and joint rates. The table also displays the percent change between current and proposed base rates.

B. Proposed Tariff Sheets

Exhibit 2 contains the proposed PGA tariff page Sheet No. 7.07 for interim rates, which states the new base cost of gas for each customer class for each PGA system. The schedules containing proposed interim and final rates that incorporate the proposed base cost of gas for each customer

class will be included with the Company's interim rate petition and rate case filing to be submitted in Docket No. G011/GR-17-563.

C. Customer Notice

MERC proposes to inform customers of the interim rate schedules and provide information explaining the interim rates through a bill insert. The proposed customer notice and details regarding the notice plan will be provided with the Company's general rate case filing and petition for interim rates in Docket No. G011/GR-17-563.

D. Cost of Gas Update

In Docket Nos. G007,011/GR-08-835, G007,011/GR-10-977, G011/GR-13-617, and G011/GR-15-736, MERC agreed to update the NYMEX prices to use more recent data in the calculation of the cost of gas for the final revenue deficiency and base rates. MERC would agree to this update again, if the Commission finds it to be necessary due to a significant change in NYMEX pricing, and proposes to provide a single update, presumably before surrebuttal testimony is due.

V. Effect of Change on MERC Revenue

The effect of the change in interim rates will be described in the Company's interim rate petition, and the change in final rates will be described in the Company's filing in Docket No. G011/GR-17-563. The new base cost included herein has no impact on the Company's revenues as the current gas costs are merely being recovered through base rates rather than through the PGA. The recovery of gas costs will continue to be adjusted by the PGA on a monthly basis to reflect actual market prices of purchased gas.

VI. Miscellaneous Information

Pursuant to Minn. R. 7829.0700, MERC requests that the following persons be placed on the Commission's official service list for this matter:

Elizabeth M. Brama
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CONCLUSION

MERC respectfully requests Commission approval of the Company's proposed new base costs to be effective with the interim rates proposed in the general rate case, Docket No. G011/GR-17-563 or with the proposed final rates if those rates are not suspended and interim rates put into effect.

DATED: September 29, 2017

Respectfully Submitted,

/s/ Amber S. Lee

Amber S. Lee
Regulatory and Legislative Affairs Manager
Minnesota Energy Resources Corporation

**STATE OF MINNESOTA
BEFORE THE MINNESOTA PUBLIC UTILITIES COMMISSION**

Nancy Lange
Dan Lipschultz
Matt Schuerger
Katie Sieben
John Tuma

Chair
Commissioner
Commissioner
Commissioner
Commissioner

In the Matter of the Petition of
Minnesota Energy Resources Corporation
for Approval of a New Base Gas Cost for
Interim Rates

Docket No. G011/MR-17-564

SUMMARY OF FILING

Please take notice that on September 29, 2017, Minnesota Energy Resources Corporation (“MERC”) filed with the Minnesota Public Utilities Commission a petition for approval to implement new base gas costs (*i.e.* to zero-out the purchased gas adjustment). MERC proposes the new base gas cost tariffs be effective with interim rates proposed in Docket No. G011/GR-17-563, or with the proposed final rates if those rates are not suspended and interim rates put into effect.

Exhibit 1

Docket No. G011/MR-17-564

**MERC Base Cost of Gas
 Proposed v. Current Base rates**

MINNESOTA ENERGY RESOURCES CORPORATION
PROPOSED BASE RATES COMPARISON TO CURRENTLY FILED BASE RATES
 (Using 05-15-17 NYMEX gas pricing and MERC Sales Forecast (Rate Case Test Year 2018))

	Gas Cost \$/therm	Firm Demand Cost \$/therm	Firm Commodity Base Rate			Interruptible Commodity Base Rate		
			Currently Filed \$/therm	05-15-17 NYMEX \$/therm	% Change	Currently Filed \$/therm	05-15-17 NYMEX \$/therm	% Change
MERC-NNG	\$ 0.37406	\$ 0.09361	\$ 0.41545	\$ 0.46767	12.6%	\$ 0.32257	\$ 0.37406	16.0%
MERC-Consolidated	\$ 0.31575	\$ 0.07415	\$ 0.34787	\$ 0.38990	12.1%	\$ 0.26791	\$ 0.31575	17.9%

	Gas Cost \$/therm	Joint Demand Cost \$/therm/MDQ	Joint Commodity Base Rate			Joint Demand Base Rate		
			Currently Filed \$/therm	05-15-17 NYMEX \$/therm	% Change	Currently Filed \$/therm/MDQ	05-15-17 NYMEX \$/therm/MDQ	% Change
MERC-NNG	\$ 0.37406	\$ 0.09361	\$ 0.32257	\$ 0.37406	16.0%	\$ 0.09288	\$ 0.09361	0.8%
MERC-Consolidated	\$ 0.31575	\$ 0.07415	\$ 0.26791	\$ 0.31575	17.9%	\$ 0.07996	\$ 0.07415	-7.3%

MERC Base Cost of Gas Sales Forecast Summary

FORECASTED SALES (Rate Case Test Year 2018)

Forecasted Sales	
Therms	
MERC-NNG	
General Service (GS)	236,895,506
Interruptible	27,291,872
Joint	150,483
Losses & Unacc	5,286,757
Company Use	90,715
TOTAL	269,715,333
MERC-Consolidated	
General Service (GS)	48,386,934
Interruptible	9,253,020
Joint	253,802
Losses & Unacc	1,157,875
Company Use	175,225
TOTAL	59,226,856
MERC-Total	
General Service (GS)	285,282,440
Interruptible	36,544,892
Joint	404,285
Losses & Unacc	6,444,632
Company Use	265,940
TOTAL	328,942,189

Base Cost of Gas
Demand Costs by Contract

PGA	NNG										MAL				Total NNG	GLGT FT0016
	111866	112486	112495	112561	118657	112521	125915/ 125916	NW Energy	Bison	NBPL	106082	129170	22560	22335		
Date																
May-17	\$ 77,955	\$ 61,501	\$ 428,021	\$ -	\$ 147,700	\$ 49,442	\$ 23,783	\$ 7,280	\$ 891,250	\$ 356,500	\$ 12,122	\$ 53,380	\$ 3,706	\$ 10,406	\$ 640,259	\$ 38,990
Jun-17	\$ 77,955	\$ 61,501	\$ 428,021	\$ -	\$ 502,147	\$ 49,442	\$ 80,855	\$ 7,280	\$ 862,500	\$ 345,000	\$ 12,122	\$ 53,380	\$ 3,706	\$ 35,375	\$ 640,259	\$ 38,990
Jul-17	\$ 77,955	\$ 61,501	\$ 428,021	\$ -	\$ 502,147	\$ 49,442	\$ 80,855	\$ 7,280	\$ 891,250	\$ 356,500	\$ 12,122	\$ 53,380	\$ 3,706	\$ 35,375	\$ 640,259	\$ 38,990
Aug-17	\$ 77,955	\$ 61,501	\$ 428,021	\$ -	\$ 502,147	\$ 49,442	\$ 80,855	\$ 7,280	\$ 891,250	\$ 356,500	\$ 12,122	\$ 53,380	\$ 3,706	\$ 35,375	\$ 640,259	\$ 38,990
Sep-17	\$ 77,955	\$ 61,501	\$ 428,021	\$ -	\$ 502,147	\$ 49,442	\$ 80,855	\$ 7,280	\$ 862,500	\$ 345,000	\$ 12,122	\$ 53,380	\$ 3,706	\$ 35,375	\$ 640,259	\$ 38,990
Oct-17	\$ 77,955	\$ 72,867	\$ 428,021	\$ -	\$ 502,147	\$ 49,442	\$ 80,855	\$ 7,280	\$ 891,250	\$ 356,500	\$ 12,122	\$ 53,380	\$ 3,706	\$ 35,375	\$ 651,625	\$ 38,990
Nov-17	\$ 583,120	\$ 1,422,892	\$ 1,331,380	\$ -	\$ 147,700	\$ 49,442	\$ 23,783	\$ 7,280	\$ 862,500	\$ 345,000	\$ 12,122	\$ 179,331	\$ 3,706	\$ 35,375	\$ 3,536,125	\$ 38,990
Dec-17	\$ 583,120	\$ 1,422,892	\$ 1,331,380	\$ -	\$ 147,700	\$ 49,442	\$ 23,783	\$ 7,280	\$ 891,250	\$ 356,500	\$ 12,122	\$ 179,331	\$ -	\$ 10,406	\$ 3,536,125	\$ 38,990
Jan-18	\$ 583,120	\$ 1,422,892	\$ 1,331,380	\$ -	\$ 147,700	\$ 49,442	\$ 23,783	\$ 7,280	\$ 891,250	\$ 356,500	\$ 12,122	\$ 179,331	\$ -	\$ 10,406	\$ 3,536,125	\$ 38,990
Feb-18	\$ 583,120	\$ 1,422,892	\$ 1,331,380	\$ -	\$ 147,700	\$ 49,442	\$ 23,783	\$ 7,280	\$ 833,750	\$ 333,500	\$ 12,122	\$ 179,331	\$ -	\$ 10,406	\$ 3,536,125	\$ 38,990
Mar-18	\$ 583,120	\$ 1,422,892	\$ 1,331,380	\$ -	\$ 147,700	\$ 49,442	\$ 23,783	\$ 7,280	\$ 891,250	\$ 356,500	\$ 12,122	\$ 179,331	\$ -	\$ 10,406	\$ 3,536,125	\$ 38,990
Apr-18	\$ 77,955	\$ 72,867	\$ 428,021	\$ -	\$ 147,700	\$ 49,442	\$ 23,783	\$ 7,280	\$ 862,500	\$ 345,000	\$ 12,122	\$ 53,380	\$ -	\$ 10,406	\$ 651,626	\$ 38,990
May-18	\$ 77,955	\$ 61,501	\$ 428,021	\$ -	\$ 147,700	\$ 49,442	\$ 23,783	\$ 7,280	\$ 891,250	\$ 356,500	\$ 12,122	\$ 53,380	\$ -	\$ 10,406	\$ 640,260	\$ 38,990
Jun-18	\$ 77,955	\$ 61,501	\$ 428,021	\$ -	\$ 502,147	\$ 49,442	\$ 80,855	\$ 7,280	\$ 862,500	\$ 345,000	\$ 12,122	\$ 53,380	\$ -	\$ 35,375	\$ 640,260	\$ 38,990
Jul-18	\$ 77,955	\$ 61,501	\$ 428,021	\$ -	\$ 502,147	\$ 49,442	\$ 80,855	\$ 7,280	\$ 891,250	\$ 356,500	\$ 12,122	\$ 53,380	\$ -	\$ 35,375	\$ 640,260	\$ 38,990
Aug-18	\$ 77,955	\$ 61,501	\$ 428,021	\$ -	\$ 502,147	\$ 49,442	\$ 80,855	\$ 7,280	\$ 891,250	\$ 356,500	\$ 12,122	\$ 53,380	\$ -	\$ 35,375	\$ 640,260	\$ 38,990
Sep-18	\$ 77,955	\$ 61,501	\$ 428,021	\$ -	\$ 502,147	\$ 49,442	\$ 80,855	\$ 7,280	\$ 862,500	\$ 345,000	\$ 12,122	\$ 53,380	\$ -	\$ 35,375	\$ 640,260	\$ 38,990
Oct-18	\$ 77,955	\$ 72,867	\$ 428,021	\$ -	\$ 502,147	\$ 49,442	\$ 80,855	\$ 7,280	\$ 891,250	\$ 356,500	\$ 12,122	\$ 53,380	\$ -	\$ 35,375	\$ 651,626	\$ 38,990
Nov-18	\$ 583,120	\$ 1,422,892	\$ 1,331,380	\$ -	\$ 147,700	\$ 49,442	\$ 23,783	\$ 7,280	\$ 862,500	\$ 345,000	\$ 12,122	\$ 179,331	\$ -	\$ 35,375	\$ 3,536,125	\$ 38,990
Dec-18	\$ 583,120	\$ 1,422,892	\$ 1,331,380	\$ -	\$ 147,700	\$ 49,442	\$ 23,783	\$ 7,280	\$ 891,250	\$ 356,500	\$ 12,122	\$ 179,331	\$ -	\$ 10,406	\$ 3,536,125	\$ 38,990
Jan-19	\$ 583,120	\$ 1,422,892	\$ 1,331,380	\$ -	\$ 147,700	\$ 49,442	\$ 23,783	\$ 7,280	\$ 891,250	\$ 356,500	\$ 12,122	\$ 179,331	\$ -	\$ 10,406	\$ 3,536,125	\$ 38,990
Feb-19	\$ 583,120	\$ 1,422,892	\$ 1,331,380	\$ -	\$ 147,700	\$ 49,442	\$ 23,783	\$ 7,280	\$ 805,000	\$ 333,500	\$ 12,122	\$ 179,331	\$ -	\$ 10,406	\$ 3,536,125	\$ 38,990
Mar-19	\$ 583,120	\$ 1,422,892	\$ 1,331,380	\$ -	\$ 147,700	\$ 49,442	\$ 23,783	\$ 7,280	\$ 891,250	\$ 356,500	\$ 12,122	\$ 179,331	\$ -	\$ 10,406	\$ 3,536,125	\$ 38,990
Apr-19	\$ 77,955	\$ 72,867	\$ 428,021	\$ -	\$ 147,700	\$ 49,442	\$ 23,783	\$ 7,280	\$ 862,500	\$ 345,000	\$ 12,122	\$ 53,380	\$ -	\$ 10,406	\$ 651,626	\$ 38,990
May-19	\$ 77,955	\$ 61,501	\$ 428,021	\$ -	\$ 147,700	\$ 49,442	\$ 23,783	\$ 7,280	\$ 891,250	\$ 356,500	\$ 12,122	\$ 53,380	\$ -	\$ 10,406	\$ 640,260	\$ 38,990
Jun-19	\$ 77,955	\$ 61,501	\$ 428,021	\$ -	\$ 502,147	\$ 49,442	\$ 80,855	\$ 7,280	\$ 862,500	\$ 345,000	\$ 12,122	\$ 53,380	\$ -	\$ 35,375	\$ 640,260	\$ 38,990
Jul-19	\$ 77,955	\$ 61,501	\$ 428,021	\$ -	\$ 502,147	\$ 49,442	\$ 80,855	\$ 7,280	\$ 891,250	\$ 356,500	\$ 12,122	\$ 53,380	\$ -	\$ 35,375	\$ 640,260	\$ 38,990
Aug-19	\$ 77,955	\$ 61,501	\$ 428,021	\$ -	\$ 502,147	\$ 49,442	\$ 80,855	\$ 7,280	\$ 891,250	\$ 356,500	\$ 12,122	\$ 53,380	\$ -	\$ 35,375	\$ 640,260	\$ 38,990
Sep-19	\$ 77,955	\$ 61,501	\$ 428,021	\$ -	\$ 502,147	\$ 49,442	\$ 80,855	\$ 7,280	\$ 862,500	\$ 345,000	\$ 12,122	\$ 53,380	\$ -	\$ 35,375	\$ 640,260	\$ 38,990
Oct-19	\$ 77,955	\$ 72,867	\$ 428,021	\$ -	\$ 502,147	\$ 49,442	\$ 80,855	\$ 7,280	\$ 891,250	\$ 356,500	\$ 12,122	\$ 53,380	\$ -	\$ 35,375	\$ 651,626	\$ 38,990
Nov-19	\$ 583,120	\$ 1,422,892	\$ 1,331,380	\$ -	\$ 147,700	\$ 49,442	\$ 23,783	\$ 7,280	\$ 862,500	\$ 345,000	\$ 12,122	\$ 179,331	\$ -	\$ 35,375	\$ 3,536,125	\$ 38,990
Dec-19	\$ 583,120	\$ 1,422,892	\$ 1,331,380	\$ -	\$ 147,700	\$ 49,442	\$ 23,783	\$ 7,280	\$ 891,250	\$ 356,500	\$ 12,122	\$ 179,331	\$ -	\$ 10,406	\$ 3,536,125	\$ 38,990
	\$ 8,556,531	\$ 18,361,565	\$ 24,536,971	\$ -	\$ 10,043,105	\$ 1,582,157	\$ 1,617,151	\$ 232,960	\$ 28,060,000	\$ 11,235,500					\$ 55,295,522	\$ 1,247,692

Base Cost of Gas
Demand Costs by Contract

PGA	Consolidated														TOTAL MERC
Contract #	GLGT FT15782	GLGT FT17891 (12)	GLGT FT17891 (5)	Centra CTH1201	Centra CPM1201	Centra HUB495001 Union	VGT AF0012	VGT AF0209	VGT AF0102	VGT AF0183	VGT ML0021	AECO	AECO Swap	Total Cons	TOTAL MERC
Date															
May-17	\$ 34,641	\$ 13,856	\$ -	\$ 105,771	\$ 31,341	\$ 4,500	\$ 54,602	\$ -	\$ 9,121	\$ -	\$ 7,465	\$ 54,602	\$ -	\$ 288,323	\$ 928,582
Jun-17	\$ 34,641	\$ 13,856	\$ -	\$ 105,771	\$ 31,341	\$ 4,500	\$ 54,602	\$ -	\$ 9,121	\$ -	\$ 7,465	\$ 54,602	\$ -	\$ 288,323	\$ 928,582
Jul-17	\$ 34,641	\$ 13,856	\$ -	\$ 105,771	\$ 31,341	\$ 4,500	\$ 54,602	\$ -	\$ 9,121	\$ -	\$ 7,465	\$ 54,602	\$ -	\$ 288,323	\$ 928,582
Aug-17	\$ 34,641	\$ 13,856	\$ -	\$ 105,771	\$ 31,341	\$ 4,500	\$ 54,602	\$ -	\$ 9,121	\$ -	\$ 7,465	\$ 54,602	\$ -	\$ 288,323	\$ 928,582
Sep-17	\$ 34,641	\$ 13,856	\$ -	\$ 105,771	\$ 31,341	\$ 4,500	\$ 54,602	\$ -	\$ 9,121	\$ -	\$ 7,465	\$ 54,602	\$ -	\$ 288,323	\$ 928,582
Oct-17	\$ 34,641	\$ 13,856	\$ -	\$ 105,771	\$ 31,341	\$ 4,500	\$ 54,602	\$ -	\$ 9,121	\$ -	\$ 7,465	\$ 54,602	\$ -	\$ 288,323	\$ 939,948
Nov-17	\$ 34,641	\$ 13,856	\$ 28,205	\$ 105,771	\$ 31,341	\$ 4,500	\$ 54,602	\$ -	\$ 9,121	\$ -	\$ 7,465	\$ 54,602	\$ -	\$ 316,528	\$ 3,852,653
Dec-17	\$ 34,641	\$ 13,856	\$ 28,205	\$ 105,771	\$ 31,341	\$ 4,500	\$ 54,602	\$ -	\$ 9,121	\$ -	\$ 7,465	\$ 54,602	\$ -	\$ 316,528	\$ 3,852,653
Jan-18	\$ 34,641	\$ 13,856	\$ 28,205	\$ 105,771	\$ 31,341	\$ 4,500	\$ 54,602	\$ -	\$ 9,121	\$ -	\$ 7,465	\$ 54,602	\$ -	\$ 316,528	\$ 3,852,653
Feb-18	\$ 34,641	\$ 13,856	\$ 28,205	\$ 105,771	\$ 31,341	\$ 4,500	\$ 54,602	\$ -	\$ 9,121	\$ -	\$ 7,465	\$ 54,602	\$ -	\$ 316,528	\$ 3,852,653
Mar-18	\$ 34,641	\$ 13,856	\$ 28,205	\$ 105,771	\$ 31,341	\$ 4,500	\$ 54,602	\$ -	\$ 9,121	\$ -	\$ 7,465	\$ 54,602	\$ -	\$ 316,528	\$ 3,852,653
Apr-18	\$ 34,641	\$ 13,856	\$ -	\$ 105,771	\$ 31,341	\$ 4,500	\$ 54,602	\$ -	\$ 9,121	\$ -	\$ 7,465	\$ 54,602	\$ -	\$ 288,323	\$ 939,948
May-18	\$ 34,641	\$ 13,856	\$ -	\$ 105,771	\$ 31,341	\$ 4,500	\$ 54,602	\$ -	\$ 9,121	\$ -	\$ 7,465	\$ 54,602	\$ -	\$ 288,323	\$ 928,582
Jun-18	\$ 34,641	\$ 13,856	\$ -	\$ 105,771	\$ 31,341	\$ 4,500	\$ 54,602	\$ -	\$ 9,121	\$ -	\$ 7,465	\$ 54,602	\$ -	\$ 288,323	\$ 928,582
Jul-18	\$ 34,641	\$ 13,856	\$ -	\$ 105,771	\$ 31,341	\$ 4,500	\$ 54,602	\$ -	\$ 9,121	\$ -	\$ 7,465	\$ 54,602	\$ -	\$ 288,323	\$ 928,582
Aug-18	\$ 34,641	\$ 13,856	\$ -	\$ 105,771	\$ 31,341	\$ 4,500	\$ 54,602	\$ -	\$ 9,121	\$ -	\$ 7,465	\$ 54,602	\$ -	\$ 288,323	\$ 928,582
Sep-18	\$ 34,641	\$ 13,856	\$ -	\$ 105,771	\$ 31,341	\$ 4,500	\$ 54,602	\$ -	\$ 9,121	\$ -	\$ 7,465	\$ 54,602	\$ -	\$ 288,323	\$ 928,582
Oct-18	\$ 34,641	\$ 13,856	\$ -	\$ 105,771	\$ 31,341	\$ 4,500	\$ 54,602	\$ -	\$ 9,121	\$ -	\$ 7,465	\$ 54,602	\$ -	\$ 288,323	\$ 939,948
Nov-18	\$ 34,641	\$ 13,856	\$ 28,205	\$ 105,771	\$ 31,341	\$ 4,500	\$ 54,602	\$ -	\$ 9,121	\$ -	\$ 7,465	\$ 54,602	\$ -	\$ 316,528	\$ 3,852,653
Dec-18	\$ 34,641	\$ 13,856	\$ 28,205	\$ 105,771	\$ 31,341	\$ 4,500	\$ 54,602	\$ -	\$ 9,121	\$ -	\$ 7,465	\$ 54,602	\$ -	\$ 316,528	\$ 3,852,653
Jan-19	\$ 34,641	\$ 13,856	\$ 28,205	\$ 105,771	\$ 31,341	\$ 4,500	\$ 54,602	\$ -	\$ 9,121	\$ -	\$ 7,465	\$ 54,602	\$ -	\$ 316,528	\$ 3,852,653
Feb-19	\$ 34,641	\$ 13,856	\$ 28,205	\$ 105,771	\$ 31,341	\$ 4,500	\$ 54,602	\$ -	\$ 9,121	\$ -	\$ 7,465	\$ 54,602	\$ -	\$ 316,528	\$ 3,852,653
Mar-19	\$ 34,641	\$ 13,856	\$ 28,205	\$ 105,771	\$ 31,341	\$ 4,500	\$ 54,602	\$ -	\$ 9,121	\$ -	\$ 7,465	\$ 54,602	\$ -	\$ 316,528	\$ 3,852,653
Apr-19	\$ 34,641	\$ 13,856	\$ -	\$ 105,771	\$ 31,341	\$ 4,500	\$ 54,602	\$ -	\$ 9,121	\$ -	\$ 7,465	\$ 54,602	\$ -	\$ 288,323	\$ 939,948
May-19	\$ 34,641	\$ 13,856	\$ -	\$ 105,771	\$ 31,341	\$ 4,500	\$ 54,602	\$ -	\$ 9,121	\$ -	\$ 7,465	\$ 54,602	\$ -	\$ 288,323	\$ 928,582
Jun-19	\$ 34,641	\$ 13,856	\$ -	\$ 105,771	\$ 31,341	\$ 4,500	\$ 54,602	\$ -	\$ 9,121	\$ -	\$ 7,465	\$ 54,602	\$ -	\$ 288,323	\$ 928,582
Jul-19	\$ 34,641	\$ 13,856	\$ -	\$ 105,771	\$ 31,341	\$ 4,500	\$ 54,602	\$ -	\$ 9,121	\$ -	\$ 7,465	\$ 54,602	\$ -	\$ 288,323	\$ 928,582
Aug-19	\$ 34,641	\$ 13,856	\$ -	\$ 105,771	\$ 31,341	\$ 4,500	\$ 54,602	\$ -	\$ 9,121	\$ -	\$ 7,465	\$ 54,602	\$ -	\$ 288,323	\$ 928,582
Sep-19	\$ 34,641	\$ 13,856	\$ -	\$ 105,771	\$ 31,341	\$ 4,500	\$ 54,602	\$ -	\$ 9,121	\$ -	\$ 7,465	\$ 54,602	\$ -	\$ 288,323	\$ 928,582
Oct-19	\$ 34,641	\$ 13,856	\$ -	\$ 105,771	\$ 31,341	\$ 4,500	\$ 54,602	\$ -	\$ 9,121	\$ -	\$ 7,465	\$ 54,602	\$ -	\$ 288,323	\$ 939,948
Nov-19	\$ 34,641	\$ 13,856	\$ 28,205	\$ 105,771	\$ 31,341	\$ 4,500	\$ 54,602	\$ -	\$ 9,121	\$ -	\$ 7,465	\$ 54,602	\$ -	\$ 316,528	\$ 3,852,653
Dec-19	\$ 34,641	\$ 13,856	\$ 28,205	\$ 105,771	\$ 31,341	\$ 4,500	\$ 54,602	\$ -	\$ 9,121	\$ -	\$ 7,465	\$ 54,602	\$ -	\$ 316,528	\$ 3,852,653
	\$ 1,108,512	\$ 443,405	\$ 338,466	\$ 3,384,675	#####	\$ 144,000	\$ 1,747,261	\$ -	\$ 291,885	\$ -	\$ 238,880	\$ 1,747,261	\$ -	\$ 9,564,791	\$ 64,860,313

**Base Cost of Gas
 Other Gas Supply Inputs**

Hedge Premium Cost						
	November	December	January	February	March	Total
NNG	\$ 87,087	\$ 174,207	\$ 267,143	\$ 279,774	\$ 258,011	\$ 1,066,222
Consol	\$ 18,473	\$ 36,953	\$ 56,667	\$ 59,346	\$ 54,730	\$ 226,168

Fuel Information		
NNG		
Storage Fuel %	1.44%	
Transport Fuel %	0.56%	Summer
Transport Fuel %	0.52%	Winter
GLGT		
Storage Fuel %	0.00%	
Transport Fuel %	1.07%	12 Mo Ave
VGT		
Storage Fuel %	0.00%	
Transport Fuel %	1.98%	Summer
Transport Fuel %	1.49%	Winter
AECO		
Storage Fuel %	0.75%	
Centra Fuel %	0.2008%	12 months

Beginning Storage Dollars	
NNG	\$1,379,424.45
Consol	\$0.00
Total	\$1,379,424.45

Base Cost of Gas - from Tariff (DTH)	
NNG	
General Service	\$4.18870
Interruptible	\$3.26610
Joint	\$3.26610
Consol	
General Service	\$3.47870
Interruptible	\$2.67910
Joint	\$2.67910

232130 Beginning Balance	
NNG	(\$6,509,263.00)

Base Cost of Gas
 MERC Sales Forecast from the SUMG file

	Calendar Sales - in Therms from file													
	NNG				CONSOLIDATED									
	GS	Interruptible	Joint	Total NNG	GLGT GS	GLGT Int	GLGT Joint	VGT GS	VGT Int	VGT Joint	Centra GS	Centra Int	Centra Joint	Total Consolidated
May-17	9,135,077	1,458,182	11,710	10,604,969	897,392	144,375	4,888	865,023	197,403	6,383	350,440	209,659		2,675,563
Jun-17	3,821,895	1,002,610	7,407	4,831,912	371,268	43,537	7,293	327,508	26,779	810	144,795	296,439		1,218,429
Jul-17	2,849,729	834,786	4,214	3,688,729	223,041	73,392	6,032	181,257	84,114	626	76,464	218,425		863,351
Aug-17	3,165,048	1,211,037	4,320	4,380,405	298,589	99,655	6,790	184,841	51,547	1,007	77,009	232,270		951,708
Sep-17	6,713,299	1,152,413	5,738	7,871,450	529,525	114,067	8,738	522,143	59,446	2,526	229,273	306,857		1,772,575
Oct-17	16,129,054	2,140,166	9,585	18,278,805	1,373,354	161,280	15,941	1,219,147	141,141	1,995	535,852	389,681		3,838,391
Nov-17	26,206,208	3,131,625	10,299	29,348,132	2,286,905	168,549	17,061	1,864,412	258,962	8,186	951,445	476,076		6,031,596
Dec-17	39,025,878	4,085,908	15,294	43,127,080	3,436,567	216,540	17,890	3,010,554	383,160	14,311	1,340,774	554,308		8,974,104
Jan-18	43,832,363	4,263,289	23,595	48,119,247	3,925,972	258,451	20,670	3,564,753	389,407	16,236	1,496,684	678,971		10,351,144
Feb-18	36,889,104	3,656,498	23,290	40,568,892	3,298,249	284,546	14,500	3,032,753	354,305	18,113	1,305,170	522,519		8,830,155
Mar-18	29,939,909	3,102,595	20,096	33,062,600	2,706,437	181,966	16,247	2,540,735	278,360	12,490	1,065,528	558,552		7,360,315
Apr-18	17,711,448	2,112,213	14,935	19,838,596	1,687,170	47,694	13,374	1,530,072	155,256	7,080	690,258	543,636		4,674,540
May-18	9,533,490	1,445,076	11,710	10,990,276	930,970	144,375	6,275	900,251	197,402	8,196	362,940	209,660		2,760,069
Jun-18	4,034,903	996,131	7,407	5,038,441	390,620	47,328	8,763	342,162	29,111	973	151,348	322,250		1,292,555
Jul-18	2,879,194	901,486	4,214	3,784,894	228,627	67,820	7,389	185,537	77,728	768	79,428	201,841		849,138
Aug-18	3,150,182	923,309	4,320	4,077,811	301,896	94,393	7,543	185,460	48,825	1,118	78,503	220,008		937,746
Sep-18	6,721,234	1,213,848	5,738	7,940,820	532,846	112,623	9,434	523,871	58,693	2,726	230,690	302,972		1,773,855
Oct-18	16,394,364	2,002,085	9,585	18,406,034	1,387,220	165,164	17,381	1,234,247	144,540	2,175	541,348	399,068		3,891,143
Nov-18	26,544,383	2,825,852	10,299	29,380,534	2,306,898	174,377	18,024	1,880,904	267,914	8,647	960,377	492,534		6,109,675
Dec-18	39,264,932	3,849,490	15,294	43,129,716	3,445,041	229,060	19,822	3,017,537	405,313	15,858	1,344,432	586,358		9,063,421
Jan-19	44,009,868	4,218,953	23,595	48,252,416	3,939,440	258,451	21,829	3,577,125	389,407	17,147	1,502,225	678,971		10,384,595
Feb-19	37,067,037	3,656,495	23,290	40,746,822	3,311,279	284,546	14,961	3,045,142	354,305	18,688	1,310,609	522,519		8,862,049
Mar-19	30,093,667	3,102,595	20,096	33,216,358	2,718,364	181,966	16,428	2,552,308	278,360	12,628	1,070,451	558,552		7,389,057
Apr-19	17,799,395	2,112,213	14,935	19,926,543	1,694,880	47,694	13,316	1,537,138	155,256	7,050	693,534	543,636		4,692,504
May-19	9,581,601	1,445,077	11,710	11,038,388	935,141	144,375	6,134	904,155	197,402	8,010	364,605	209,660		2,769,482
Jun-19	4,051,475	996,132	7,407	5,055,014	391,765	47,328	8,333	343,238	29,111	926	151,789	322,250		1,294,740
Jul-19	2,886,344	901,486	4,214	3,792,044	228,748	67,820	6,880	185,614	77,728	715	79,507	201,841		848,853
Aug-19	3,157,035	923,308	4,320	4,084,663	302,523	94,393	7,022	185,848	48,825	1,041	78,699	220,008		938,359
Sep-19	6,745,207	1,213,849	5,738	7,964,794	535,879	112,623	8,964	526,697	58,693	2,591	231,939	302,972		1,780,358
Oct-19	16,476,480	2,002,086	9,585	18,488,151	1,395,382	165,164	16,856	1,242,256	144,540	2,110	544,759	399,068		3,910,135
Nov-19	26,668,060	2,825,851	10,299	29,504,210	2,321,048	174,377	17,647	1,892,507	267,914	8,466	966,343	492,534		6,140,836
Dec-19	39,440,901	3,849,491	15,294	43,305,686	3,466,076	229,060	19,532	3,035,371	405,313	15,627	1,352,618	586,358		9,109,955

Base Cost of Gas
 MERC Sales Forecast from the SUMG file

Loss = 2.0% Per SUMG

Company Use (therms)				Gas Loss (therms)			
NNG	GLGT Cons	VGT Cons	Centra Cons	NNG	GLGT Cons	VGT Cons	Centra Cons
5,671	6,712	6,470	-	212,099	20,933	21,376	11,202
3,355	5,227	4,610	-	96,638	8,442	7,102	8,825
2,399	4,299	3,493	-	73,775	6,049	5,320	5,898
2,533	4,550	2,816	-	87,608	8,101	4,748	6,186
2,558	4,108	4,050	-	157,429	13,047	11,682	10,723
3,776	5,832	5,177	-	365,576	31,012	27,246	18,511
6,184	8,143	6,638	-	586,963	49,450	42,631	28,550
9,598	10,433	9,140	-	862,542	73,420	68,161	37,902
13,555	11,903	10,807	-	962,385	84,102	79,408	43,513
15,138	11,870	10,915	-	811,378	71,946	68,103	36,554
13,736	10,720	10,064	-	661,252	58,093	56,632	32,482
10,910	8,756	7,940	-	396,772	34,965	33,848	24,678
5,666	6,624	6,406	-	219,806	21,632	22,117	11,452
3,355	5,210	4,564	-	100,769	8,934	7,445	9,472
2,325	4,294	3,484	-	75,698	6,077	5,281	5,625
2,348	4,594	2,822	-	81,556	8,077	4,708	5,970
2,541	4,166	4,096	-	158,816	13,098	11,706	10,673
4,052	5,907	5,256	-	368,121	31,395	27,619	18,808
6,697	8,261	6,735	-	587,611	49,986	43,149	29,058
10,392	10,571	9,260	-	862,594	73,878	68,774	38,616
13,968	12,044	10,937	-	965,048	84,394	79,674	43,624
14,715	12,029	11,063	-	814,936	72,216	68,363	36,663
13,119	10,893	10,227	-	664,327	58,335	56,866	32,580
10,146	8,928	8,098	-	398,531	35,118	33,989	24,743
5,663	6,784	6,559	-	220,768	21,713	22,191	11,485
3,355	5,368	4,704	-	101,100	8,949	7,466	9,481
2,282	4,450	3,610	-	75,841	6,069	5,281	5,627
2,241	4,757	2,923	-	81,693	8,079	4,714	5,974
2,531	4,291	4,217	-	159,296	13,149	11,760	10,698
4,211	6,026	5,364	-	369,763	31,548	27,778	18,877
6,993	8,375	6,828	-	590,084	50,261	43,378	29,178
10,851	10,673	9,346	-	866,114	74,293	69,126	38,780

Base Cost of Gas
MERC Sales Forecast from the SUMG file

CONVERT TO DTHs																					
NNG				CONSOLIDATED										COMPANY USE				GAS LOSS			
GS	Interruptible	Joint	Total NNG	GLGT GS	GLGT Int	GLGT Joint	VGT GS	VGT Int	VGT Joint	Centra GS	Centra Int	Centra Joint	Total Consolidated	NNG	GLGT Cons	VGT Cons	Centra Cons	NNG	GLGT Cons	VGT Cons	Centra Cons
913,508	145,818	1,171	1,060,497	89,739	14,438	489	86,502	19,740	638	35,044	20,966	-	267,556	567	671	647	-	21,210	2,093	2,138	1,120
382,190	100,261	741	483,191	37,127	4,354	729	32,751	2,678	81	14,480	29,644	-	121,843	336	523	461	-	9,664	844	710	882
284,973	83,479	421	368,873	22,304	7,339	603	18,126	8,411	63	7,646	21,843	-	86,335	240	430	349	-	7,377	605	532	590
316,505	121,104	432	438,041	29,859	9,966	679	18,484	5,155	101	7,701	23,227	-	95,171	253	455	282	-	8,761	810	475	619
671,330	115,241	574	787,145	52,953	11,407	874	52,214	5,945	253	22,927	30,686	-	177,258	256	411	405	-	15,743	1,305	1,168	1,072
1,612,905	214,017	959	1,827,881	137,335	16,128	1,594	121,915	14,114	200	53,585	38,968	-	383,839	378	583	518	-	36,558	3,101	2,725	1,851
2,620,621	313,163	1,030	2,934,813	228,691	16,855	1,706	186,441	25,896	819	95,145	47,608	-	603,160	618	814	664	-	58,696	4,945	4,263	2,855
3,902,588	408,591	1,529	4,312,708	343,657	21,654	1,789	301,055	38,316	1,431	134,077	55,431	-	897,410	960	1,043	914	-	86,254	7,342	6,816	3,790
4,383,236	426,329	2,360	4,811,925	392,597	25,845	2,067	356,475	38,941	1,624	149,668	67,897	-	1,035,114	1,356	1,190	1,081	-	96,238	8,410	7,941	4,351
3,688,910	365,650	2,329	4,056,889	329,825	28,455	1,450	303,275	35,431	1,811	130,517	52,252	-	883,016	1,514	1,187	1,091	-	81,138	7,195	6,810	3,655
2,993,991	310,260	2,010	3,306,260	270,644	18,197	1,625	254,074	27,836	1,249	106,553	55,855	-	736,032	1,374	1,072	1,006	-	66,125	5,809	5,663	3,248
1,771,145	211,221	1,494	1,983,860	168,717	4,769	1,337	153,007	15,526	708	69,026	54,364	-	467,454	1,091	876	794	-	39,677	3,496	3,385	2,468
953,349	144,508	1,171	1,099,028	93,097	14,438	628	90,025	19,740	820	36,294	20,966	-	276,007	567	662	641	-	21,981	2,163	2,212	1,145
403,490	99,613	741	503,844	39,062	4,733	876	34,216	2,911	97	15,135	32,225	-	129,256	336	521	456	-	10,077	893	744	947
287,919	90,149	421	378,489	22,863	6,782	739	18,554	7,773	77	7,943	20,184	-	84,914	233	429	348	-	7,570	608	528	563
315,018	92,331	432	407,781	30,190	9,439	754	18,546	4,883	112	7,850	22,001	-	93,775	235	459	282	-	8,156	808	471	597
672,123	121,385	574	794,082	53,285	11,262	943	52,387	5,869	273	23,069	30,297	-	177,386	254	417	410	-	15,882	1,310	1,171	1,067
1,639,436	200,209	959	1,840,603	138,722	16,516	1,738	123,425	14,454	218	54,135	39,907	-	389,114	405	591	526	-	36,812	3,140	2,762	1,881
2,654,438	282,585	1,030	2,938,053	230,690	17,438	1,802	188,090	26,791	865	96,038	49,253	-	610,968	670	826	674	-	58,761	4,999	4,315	2,906
3,926,493	384,949	1,529	4,312,972	344,504	22,906	1,982	301,754	40,531	1,586	134,443	58,636	-	906,342	1,039	1,057	926	-	86,259	7,388	6,877	3,862
4,400,987	421,895	2,360	4,825,242	393,944	25,845	2,183	357,713	38,941	1,715	150,223	67,897	-	1,038,460	1,397	1,204	1,094	-	96,505	8,439	7,967	4,362
3,706,704	365,650	2,329	4,074,682	331,128	28,455	1,496	304,514	35,431	1,869	131,061	52,252	-	886,205	1,472	1,203	1,106	-	81,494	7,222	6,836	3,666
3,009,367	310,260	2,010	3,321,636	271,836	18,197	1,643	255,231	27,836	1,263	107,045	55,855	-	738,906	1,312	1,089	1,023	-	66,433	5,834	5,687	3,258
1,779,940	211,221	1,494	1,992,654	169,488	4,769	1,332	153,714	15,526	705	69,353	54,364	-	469,250	1,015	893	810	-	39,853	3,512	3,399	2,474
958,160	144,508	1,171	1,103,839	93,514	14,438	613	90,416	19,740	801	36,461	20,966	-	276,948	566	678	656	-	22,077	2,171	2,219	1,149
405,148	99,613	741	505,501	39,177	4,733	833	34,324	2,911	93	15,179	32,225	-	129,474	336	537	470	-	10,110	895	747	948
288,634	90,149	421	379,204	22,875	6,782	688	18,561	7,773	72	7,951	20,184	-	84,885	228	445	361	-	7,584	607	528	563
315,704	92,331	432	408,466	30,252	9,439	702	18,585	4,883	104	7,870	22,001	-	93,836	224	476	292	-	8,169	808	471	597
674,521	121,385	574	796,479	53,588	11,262	896	52,670	5,869	259	23,194	30,297	-	178,036	253	429	422	-	15,930	1,315	1,176	1,070
1,647,648	200,209	959	1,848,815	139,538	16,516	1,686	124,226	14,454	211	54,476	39,907	-	391,014	421	603	536	-	36,976	3,155	2,778	1,888
2,666,806	282,585	1,030	2,950,421	232,105	17,438	1,765	189,251	26,791	847	96,634	49,253	-	614,084	699	837	683	-	59,008	5,026	4,338	2,918
3,944,090	384,949	1,529	4,330,569	346,608	22,906	1,953	303,537	40,531	1,563	135,262	58,636	-	910,996	1,085	1,067	935	-	86,611	7,429	6,913	3,878

Base Cost of Gas

MERC Pricing Inputs Based on 05-15-17 NYMEX Futures Pricing

Rates	
NNG Commodity Surcharge Rate	\$ 0.03720
NNG Storage Injection/Withdraw Rate	\$ 0.01490
NNG ACA Surcharge Rate	\$ 0.00130
NNG Commodity charge less ACA	\$ 0.0359
GLGT Utilization Fee	\$ 0.00394
GLGT ACA Charge	\$ 0.00130
VGT Commodity Rate	\$ 0.01160
VGT ACA Charge	\$ 0.00130
Centra Commodity Charge	\$ -
NBPL Commodity Charge	\$ 0.01000

Projected Premium Gathering Cost	\$ -
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ACA charge no longer included in Commodity Surcharge rate
 Correct formulas on NNG gas cost tab column AC

	Ventura	Emerson	Port of Morgar	Port of Morgan	AECO	Northern Demarc
May-17	\$ 2.7900	\$ 2.7820	\$ 2.3489	\$ 2.3489		\$ 2.7900
Jun-17	\$ 2.9000	\$ 2.7425	\$ 2.4362	\$ 2.4362		\$ 2.9000
Jul-17	\$ 2.9990	\$ 2.8265	\$ 2.4865	\$ 2.4865		\$ 2.9840
Aug-17	\$ 3.0045	\$ 2.8995	\$ 2.5070	\$ 2.5070		\$ 2.9920
Sep-17	\$ 2.9910	\$ 2.8660	\$ 2.5024	\$ 2.5024		\$ 2.9860
Oct-17	\$ 3.0105	\$ 2.8880	\$ 2.5388	\$ 2.5388		\$ 3.0255
Nov-17	\$ 3.1340	\$ 2.9390	\$ 2.6447	\$ 2.6447		\$ 3.1040
Dec-17	\$ 3.3975	\$ 3.0800	\$ 2.8239	\$ 2.8239		\$ 3.3475
Jan-18	\$ 3.6700	\$ 3.2000	\$ 2.9855	\$ 2.9855		\$ 3.5425
Feb-18	\$ 3.6380	\$ 3.1880	\$ 2.9802	\$ 2.9802		\$ 3.4955
Mar-18	\$ 3.2445	\$ 3.0020	\$ 2.7491	\$ 2.7491		\$ 3.2095
Apr-18	\$ 2.6670	\$ 2.5170	\$ 2.2081	\$ 2.2081	\$ 2.8300	\$ 2.6470
May-18	\$ 2.4660	\$ 2.4560	\$ 2.0871	\$ 2.0871	\$ 2.7175	\$ 2.4385
Jun-18	\$ 2.4845	\$ 2.4820	\$ 2.0966	\$ 2.0966	\$ 2.6955	\$ 2.4545
Jul-18	\$ 2.5405	\$ 2.5080	\$ 2.1306	\$ 2.1306	\$ 2.6820	\$ 2.5255
Aug-18	\$ 2.5475	\$ 2.5150	\$ 2.1363	\$ 2.1363	\$ 2.6900	\$ 2.5275
Sep-18	\$ 2.4890	\$ 2.4890	\$ 2.1023	\$ 2.1023	\$ 2.6635	\$ 2.4765
Oct-18	\$ 2.5095	\$ 2.5070	\$ 2.1422	\$ 2.1422	\$ 2.6615	\$ 2.5095
Nov-18	\$ 2.7430	\$ 2.7980	\$ 2.3105	\$ 2.3105	\$ 2.8610	\$ 2.7005
Dec-18	\$ 2.9835	\$ 2.9360	\$ 2.4970	\$ 2.4970	\$ 2.9920	\$ 2.9210
Jan-19	\$ 3.2020	\$ 3.0320	\$ 2.6379	\$ 2.6379	\$ 3.0440	\$ 3.0920
Feb-19	\$ 3.1725	\$ 3.0100	\$ 2.6099	\$ 2.6099	\$ 3.0880	\$ 3.0675
Mar-19	\$ 2.8515	\$ 2.9390	\$ 2.4091	\$ 2.4091	\$ 2.9660	\$ 2.8215
Apr-19	\$ 2.3495	\$ 2.5370	\$ 1.9617	\$ 1.9617	\$ 2.5735	\$ 2.3620
May-19	\$ 2.2890	\$ 2.4940	\$ 1.9068	\$ 1.9068	\$ 2.5330	\$ 2.2365
Jun-19	\$ 2.2895	\$ 2.5220	\$ 1.9186	\$ 1.9186	\$ 2.4715	\$ 2.2620
Jul-19	\$ 2.3720	\$ 2.5570	\$ 1.9714	\$ 1.9714	\$ 2.4785	\$ 2.3695
Aug-19	\$ 2.3870	\$ 2.5720	\$ 1.9862	\$ 1.9862	\$ 2.5457	\$ 2.3895
Sep-19	\$ 2.3630	\$ 2.5680	\$ 1.9851	\$ 1.9851	\$ 2.5267	\$ 2.3405
Oct-19	\$ 2.4095	\$ 2.5970	\$ 2.0331	\$ 2.0331	\$ 2.5487	\$ 2.3495
Nov-19	\$ 2.6125	\$ 2.8200	\$ 2.2026	\$ 2.2026	\$ 2.7073	\$ 2.5700
Dec-19	\$ 2.9250	\$ 2.9650	\$ 2.4454	\$ 2.4454	\$ 2.8393	\$ 2.8725

Base Cost of Gas
 Storage

NNG Storage - in Dth											
Volumes in Dth					Dollars						
Beginning Balance	Inj	Subtotal	W/D	Ending Balance	Beginning Balance	Inj	Subtotal	W/D	Ending Balance	WACOG	
May-17	591,955	591,955		591,955	\$ 1,379,424	\$ -	\$ 1,379,424	\$ -	\$ 1,379,424	\$ 2.330	
Jun-17	591,955	199,253	791,208	791,208	\$ 1,379,424	\$ 495,333	\$ 1,874,758	\$ -	\$ 1,874,758	\$ 2.369	
Jul-17	791,208	1,108,163	1,899,371	1,899,371	\$ 1,874,758	\$ 3,093,621	\$ 4,968,379	\$ -	\$ 4,968,379	\$ 2.616	
Aug-17	1,899,371	1,108,163	3,007,534	3,007,534	\$ 4,968,379	\$ 3,130,440	\$ 8,098,819	\$ -	\$ 8,098,819	\$ 2.693	
Sep-17	3,007,534	1,072,416	4,079,950	4,079,950	\$ 8,098,819	\$ 3,055,205	\$ 11,154,023	\$ -	\$ 11,154,023	\$ 2.734	
Oct-17	4,079,950	1,108,163	5,188,113	5,188,113	\$ 11,154,023	\$ 3,271,137	\$ 14,425,160	\$ -	\$ 14,425,160	\$ 2.780	
Nov-17	5,188,113		5,188,113	(533,259)	4,654,854	\$ 14,425,160	\$ -	\$ 14,425,160	\$ (1,482,687)	\$ 12,942,473	\$ 2.780
Dec-17	4,654,854		4,654,854	(1,339,984)	3,314,870	\$ 12,942,473	\$ -	\$ 12,942,473	\$ (3,725,725)	\$ 9,216,748	\$ 2.780
Jan-18	3,314,870		3,314,870	(1,339,984)	1,974,886	\$ 9,216,748	\$ -	\$ 9,216,748	\$ (3,725,725)	\$ 5,491,023	\$ 2.780
Feb-18	1,974,886		1,974,886	(1,339,984)	634,902	\$ 5,491,023	\$ -	\$ 5,491,023	\$ (3,725,725)	\$ 1,765,298	\$ 2.780
Mar-18	634,902		634,902	(533,259)	101,643	\$ 1,765,298	\$ -	\$ 1,765,298	\$ (1,482,687)	\$ 282,611	\$ 2.780
Apr-18	101,643		101,643	(50,000)	51,643	\$ 282,611	\$ -	\$ 282,611	\$ (139,021)	\$ 143,589	\$ 2.780
May-18	51,643		51,643	-	51,643	\$ 143,589	\$ -	\$ 143,589	\$ -	\$ 143,589	\$ 2.780
Jun-18	51,643	1,072,416	1,124,059		1,124,059	\$ 143,589	\$ 2,483,699	\$ 2,627,288	\$ -	\$ 2,627,288	\$ 2.337
Jul-18	1,124,059	1,108,163	2,232,222		2,232,222	\$ 2,627,288	\$ 2,583,587	\$ 5,210,876	\$ -	\$ 5,210,876	\$ 2.334
Aug-18	2,232,222	1,108,163	3,340,385		3,340,385	\$ 5,210,876	\$ 2,602,455	\$ 7,813,331	\$ -	\$ 7,813,331	\$ 2.339
Sep-18	3,340,385	1,072,416	4,412,801		4,412,801	\$ 7,813,331	\$ 2,500,883	\$ 10,314,214	\$ -	\$ 10,314,214	\$ 2.337
Oct-18	4,412,801	1,108,163	5,520,964		5,520,964	\$ 10,314,214	\$ 2,734,506	\$ 13,048,719	\$ -	\$ 13,048,719	\$ 2.363
Nov-18	5,520,964		5,520,964	(533,259)	4,987,705	\$ 13,048,719	\$ -	\$ 13,048,719	\$ (1,260,350)	\$ 11,788,369	\$ 2.363
Dec-18	4,987,705		4,987,705	(1,339,984)	3,647,721	\$ 11,788,369	\$ -	\$ 11,788,369	\$ (3,167,033)	\$ 8,621,336	\$ 2.363
Jan-19	3,647,721		3,647,721	(1,339,984)	2,307,737	\$ 8,621,336	\$ -	\$ 8,621,336	\$ (3,167,033)	\$ 5,454,303	\$ 2.363
Feb-19	2,307,737		2,307,737	(1,339,984)	967,753	\$ 5,454,303	\$ -	\$ 5,454,303	\$ (3,167,033)	\$ 2,287,270	\$ 2.363
Mar-19	967,753		967,753	(533,259)	434,494	\$ 2,287,270	\$ -	\$ 2,287,270	\$ (1,260,350)	\$ 1,026,920	\$ 2.363
Apr-19	434,494		434,494	(382,851)	51,643	\$ 1,026,920	\$ -	\$ 1,026,920	\$ (904,863)	\$ 122,057	\$ 2.363
May-19	51,643		51,643		51,643	\$ 122,057	\$ -	\$ 122,057	\$ -	\$ 122,057	\$ 2.363
Jun-19	51,643	1,072,416	1,124,059		1,124,059	\$ 122,057	\$ 2,282,698	\$ 2,404,755	\$ -	\$ 2,404,755	\$ 2.139
Jul-19	1,124,059	1,108,163	2,232,222		2,232,222	\$ 2,404,755	\$ 2,402,188	\$ 4,806,944	\$ -	\$ 4,806,944	\$ 2.153
Aug-19	2,232,222	1,108,163	3,340,385		3,340,385	\$ 4,806,944	\$ 2,430,274	\$ 7,237,218	\$ -	\$ 7,237,218	\$ 2.167
Sep-19	3,340,385	1,072,416	4,412,801		4,412,801	\$ 7,237,218	\$ 2,369,803	\$ 9,607,021	\$ -	\$ 9,607,021	\$ 2.177
Oct-19	4,412,801	1,108,163	5,520,964		5,520,964	\$ 9,607,021	\$ 2,619,177	\$ 12,226,198	\$ -	\$ 12,226,198	\$ 2.215
Nov-19	5,520,964		5,520,964	(533,259)	4,987,705	\$ 12,226,198	\$ -	\$ 12,226,198	\$ (1,180,904)	\$ 11,045,294	\$ 2.215
Dec-19	4,987,705		4,987,705	(1,339,984)	3,647,721	\$ 11,045,294	\$ -	\$ 11,045,294	\$ -	\$ 11,045,294	\$ 3.028

Base Cost of Gas
Storage

AECO Storage - in Dth (Consolidated) Includes GLGT and Centra Imbalances											
Volumes in Dth					Dollars						
Beginning Balance	Inj	Subtotal	W/D	Ending Balance	Beginning Balance	Inj	Subtotal	W/D	Ending Balance	WACOG	
May-17	-	-		-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Jun-17	-	-		-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Jul-17	-	-		-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Aug-17	-	-		-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Sep-17	-	-		-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Oct-17	-	-		-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Nov-17	-	-		-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Dec-17	-	-		-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Jan-18	-	-		-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Feb-18	-	-		-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Mar-18	-	-		-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Apr-18	-	177,809		177,809	\$ -	\$ 503,199	\$ 503,199	\$ -	\$ 503,199	\$ 2.830	
May-18	177,809	191,103		368,912	\$ 503,199	\$ 519,322	\$ 1,022,522	\$ -	\$ 1,022,522	\$ 2.772	
Jun-18	368,912	184,939		553,851	\$ 1,022,522	\$ 498,503	\$ 1,521,025	\$ -	\$ 1,521,025	\$ 2.746	
Jul-18	553,851	191,103		744,954	\$ 1,521,025	\$ 512,538	\$ 2,033,563	\$ -	\$ 2,033,563	\$ 2.730	
Aug-18	744,954	191,103		936,057	\$ 2,033,563	\$ 514,067	\$ 2,547,630	\$ -	\$ 2,547,630	\$ 2.722	
Sep-18	936,057	93,237		1,029,294	\$ 2,547,630	\$ 248,337	\$ 2,795,967	\$ -	\$ 2,795,967	\$ 2.716	
Oct-18	1,029,294	96,335		1,125,629	\$ 2,795,967	\$ 256,396	\$ 3,052,363	\$ -	\$ 3,052,363	\$ 2.712	
Nov-18	1,125,629		(85,304)	1,040,325	\$ 3,052,363	\$ -	\$ 3,052,363	\$ (231,318)	\$ 2,821,044	\$ 2.712	
Dec-18	1,040,325		(231,768)	808,557	\$ 2,821,044	\$ -	\$ 2,821,044	\$ (628,484)	\$ 2,192,560	\$ 2.712	
Jan-19	808,557		(231,769)	576,788	\$ 2,192,560	\$ -	\$ 2,192,560	\$ (628,487)	\$ 1,564,073	\$ 2.712	
Feb-19	576,788		(209,339)	367,449	\$ 1,564,073	\$ -	\$ 1,564,073	\$ (567,664)	\$ 996,410	\$ 2.712	
Mar-19	367,449		(96,375)	271,074	\$ 996,410	\$ -	\$ 996,410	\$ (261,340)	\$ 735,070	\$ 2.712	
Apr-19	271,074		(93,265)	177,809	\$ 735,070	\$ -	\$ 735,070	\$ (252,906)	\$ 482,164	\$ 2.712	
May-19	177,809	191,103		368,912	\$ 482,164	\$ 484,064	\$ 966,228	\$ -	\$ 966,228	\$ 2.619	
Jun-19	368,912	184,939		553,851	\$ 966,228	\$ 457,077	\$ 1,423,304	\$ -	\$ 1,423,304	\$ 2.570	
Jul-19	553,851	191,103		744,954	\$ 1,423,304	\$ 473,649	\$ 1,896,953	\$ -	\$ 1,896,953	\$ 2.546	
Aug-19	744,954	191,103		936,057	\$ 1,896,953	\$ 486,494	\$ 2,383,447	\$ -	\$ 2,383,447	\$ 2.546	
Sep-19	936,057	93,237		1,029,294	\$ 2,383,447	\$ 235,583	\$ 2,619,030	\$ -	\$ 2,619,030	\$ 2.544	
Oct-19	1,029,294	96,335		1,125,629	\$ 2,619,030	\$ 245,530	\$ 2,864,561	\$ -	\$ 2,864,561	\$ 2.545	
Nov-19	1,125,629		(85,304)	1,040,325	\$ 2,864,561	\$ -	\$ 2,864,561	\$ (217,086)	\$ 2,647,474	\$ 2.545	
Dec-19	1,040,325		(231,768)	808,557	\$ 2,647,474	\$ -	\$ 2,647,474	\$ (589,816)	\$ 2,057,659	\$ 2.545	

*MERC's existing contract with Niska Gas Storage at the AECO Hub in Alberta, Canada expires April 30, 2018.

MERC intends to replace that contract with a new storage contract and has used the AECO contract as a proxy.

Base Cost of Gas
NNG Gas Costs

Date	Price at Bison plus gathering cost		Forecasted sales	Forecasted Co Use	Forecasted Gas Loss	Add sales together	From Storage tab - injections and withdrawals	Sales forecast plus storage	Total Requirement grossed up for fuel	Storage requirement grossed up for fuel	Bison Capacity is first 25,000 dths per day		Ventura Capacity - anything over 25,000 dth per day		Bison Capacity times Bison Price	Ventura Capacity times Ventura Price
	Projected Price NNG Ventura	Projected Price Port of Morgan									Days	Port of Morgan	Ventura Capacity	Port of Morgan		
May-17	\$ 2.7900	\$ 2.3489	1,060,497	567	21,210	1,082,274	-	1,082,274	1,088,369	-	31	775,000	313,369	\$	1,820,406	\$ 874,299
Jun-17	\$ 2.9000	\$ 2.4362	483,191	336	9,664	493,191	199,253	692,444	699,287	203,319	28	699,287	-	\$	1,703,626	\$ -
Jul-17	\$ 2.9990	\$ 2.4865	368,873	240	7,377	376,490	1,108,163	1,484,653	1,509,389	1,130,779	31	775,000	734,389	\$	1,927,004	\$ 2,202,433
Aug-17	\$ 3.0045	\$ 2.5070	438,041	253	8,761	447,055	1,108,163	1,555,218	1,580,351	1,130,779	30	750,000	830,351	\$	1,880,244	\$ 2,494,789
Sep-17	\$ 2.9910	\$ 2.5024	787,145	256	15,743	803,144	1,072,416	1,875,560	1,901,969	1,094,302	31	775,000	1,126,969	\$	1,939,382	\$ 3,370,763
Oct-17	\$ 3.0105	\$ 2.5388	1,827,881	378	36,558	1,864,816	1,108,163	2,972,979	3,006,096	1,130,779	30	750,000	2,256,096	\$	1,904,112	\$ 6,791,977
Nov-17	\$ 3.1340	\$ 2.6447	2,934,813	618	58,696	2,994,128	(533,259)	2,460,869	2,473,732	-	31	775,000	1,698,732	\$	2,049,668	\$ 5,323,827
Dec-17	\$ 3.3975	\$ 2.8239	4,312,708	960	86,254	4,399,922	(1,339,984)	3,059,938	3,075,933	-	31	775,000	2,300,933	\$	2,188,492	\$ 7,817,419
Jan-18	\$ 3.6700	\$ 2.9855	4,811,925	1,356	96,238	4,909,519	(1,339,984)	3,569,535	3,588,193	-	30	750,000	2,838,193	\$	2,239,118	\$ 10,416,169
Feb-18	\$ 3.6380	\$ 2.9802	4,056,889	1,514	81,138	4,139,541	(1,339,984)	2,799,557	2,814,191	-	31	775,000	2,039,191	\$	2,309,669	\$ 7,418,575
Mar-18	\$ 3.2445	\$ 2.7491	3,306,260	1,374	66,125	3,373,759	(533,259)	2,840,500	2,855,348	-	30	750,000	2,105,348	\$	2,061,824	\$ 6,830,800
Apr-18	\$ 2.6670	\$ 2.2081	1,983,860	1,091	39,677	2,024,628	(50,000)	1,974,628	1,984,950	-	31	775,000	1,209,950	\$	1,711,259	\$ 3,226,935
May-18	\$ 2.4660	\$ 2.0871	1,099,028	567	21,981	1,121,575	-	1,121,575	1,127,891	-	31	775,000	352,891	\$	1,617,465	\$ 870,229
Jun-18	\$ 2.4845	\$ 2.0966	503,844	336	10,077	514,256	1,072,416	1,586,672	1,611,455	1,072,415.98	28	700,000	911,455	\$	1,467,595	\$ 2,264,509
Jul-18	\$ 2.5405	\$ 2.1306	378,489	233	7,570	386,292	1,108,163	1,494,455	1,519,246	1,108,162.98	31	775,000	744,246	\$	1,651,236	\$ 1,890,756
Aug-18	\$ 2.5475	\$ 2.1363	407,781	235	8,156	416,172	1,108,163	1,524,335	1,549,294	1,108,163	30	750,000	799,294	\$	1,602,224	\$ 2,036,201
Sep-18	\$ 2.4890	\$ 2.1023	794,082	254	15,882	810,218	1,072,416	1,882,634	1,909,083	1,072,416	31	775,000	1,134,083	\$	1,629,264	\$ 2,822,731
Oct-18	\$ 2.5095	\$ 2.1422	1,840,603	405	36,812	1,877,821	1,108,163	2,985,984	3,019,174	1,130,779	30	750,000	2,269,174	\$	1,606,626	\$ 5,694,493
Nov-18	\$ 2.7430	\$ 2.3105	2,938,053	670	58,761	2,997,484	(533,259)	2,464,225	2,477,106	-	31	775,000	1,702,106	\$	1,790,605	\$ 4,668,877
Dec-18	\$ 2.9835	\$ 2.4970	4,312,972	1,039	86,259	4,400,270	(1,339,984)	3,060,286	3,076,283	-	31	775,000	2,301,283	\$	1,935,172	\$ 6,865,878
Jan-19	\$ 3.2020	\$ 2.6379	4,825,242	1,397	96,505	4,923,143	(1,339,984)	3,583,159	3,601,889	-	30	750,000	2,851,889	\$	1,978,395	\$ 9,131,749
Feb-19	\$ 3.1725	\$ 2.6099	4,074,682	1,472	81,494	4,157,647	(1,339,984)	2,817,663	2,832,392	-	31	775,000	2,057,392	\$	2,022,683	\$ 6,527,075
Mar-19	\$ 2.8515	\$ 2.4091	3,321,636	1,312	66,433	3,389,380	(533,259)	2,856,121	2,871,051	-	30	750,000	2,121,051	\$	1,806,803	\$ 6,048,177
Apr-19	\$ 2.3495	\$ 1.9617	1,992,654	1,015	39,853	2,033,522	(382,851)	1,650,671	1,659,299	-	31	775,000	884,299	\$	1,520,284	\$ 2,077,661
May-19	\$ 2.2890	\$ 1.9068	1,103,839	566	22,077	1,126,482	-	1,126,482	1,132,826	-	31	775,000	357,826	\$	1,477,763	\$ 819,063
Jun-19	\$ 2.2895	\$ 1.9186	505,501	336	10,110	515,947	1,072,416	1,588,363	1,613,155	1,072,415.98	28	700,000	913,155	\$	1,343,023	\$ 2,090,667
Jul-19	\$ 2.3720	\$ 1.9714	379,204	228	7,584	387,017	1,108,163	1,495,180	1,519,975	1,108,162.98	31	775,000	744,975	\$	1,527,801	\$ 1,767,080
Aug-19	\$ 2.3870	\$ 1.9862	408,466	224	8,169	416,860	1,108,163	1,525,023	1,549,986	1,108,163	30	750,000	799,986	\$	1,489,655	\$ 1,909,566
Sep-19	\$ 2.3630	\$ 1.9851	796,479	253	15,930	812,662	1,072,416	1,885,078	1,911,541	1,072,416	31	775,000	1,136,541	\$	1,538,438	\$ 2,685,646
Oct-19	\$ 2.4095	\$ 2.0331	1,848,815	421	36,976	1,886,213	1,108,163	2,994,376	3,027,613	1,130,779	30	750,000	2,277,613	\$	1,524,831	\$ 5,487,909
Nov-19	\$ 2.6125	\$ 2.2026	2,950,421	699	59,008	3,010,129	(533,259)	2,476,870	2,489,817	-	31	775,000	1,714,817	\$	1,707,004	\$ 4,479,959
Dec-19	\$ 2.9250	\$ 2.4454	4,330,569	1,085	86,611	4,418,265	(1,339,984)	3,078,281	3,094,372	-	31	775,000	2,319,372	\$	1,895,160	\$ 6,784,163
			65,184,443	21,686	1,303,689	66,509,818	3,055,766	69,565,584	70,171,252	15,673,830		24,324,287	45,846,965	\$	56,866,872	\$ 133,690,377

Base Cost of Gas
NNG Gas Costs

NOTES:		Flowing gas cost (remove storage injection)	Cost of gas injected into storage	Gas withdrawals priced at storage WACOG	Flowing gas plus gas withdrawn from storage	Total cost divided by Net Sales	Total requirement times Commodity Surcharge	Total requirement times ACA Surcharge	Storage Inj/W/D times Storage Surcharge	Total Volumetric cost divided by total requirement		
Date	Requirement Total Cost	Total Flowing Gas Cost	Total NNG Storage Cost	Storage Gas Cost	Demand Charges	Sales Gas Cost	Projected Gas Cost Per Unit	NNG Commodity Surcharge Cost	NNG ACA Surcharge Cost	NNG Storage Inj/W/D Cost	Total Volumetric Cost	Projected Volumetric cost per unit
May-17	\$ 2,694,705	\$ 2,694,705	\$ -	\$ -	\$ 1,468,676	\$ 4,163,381	\$ 3.8469	\$ 39,072	\$ 1,415	\$ -	\$ 40,487	\$ 0.0372
Jun-17	\$ 1,703,626	\$ 1,208,293	\$ 495,333	\$ -	\$ 1,839,945	\$ 3,048,238	\$ 6.1806	\$ 25,104	\$ 909	\$ 2,969	\$ 28,982	\$ 0.0414
Jul-17	\$ 4,129,437	\$ 1,035,815	\$ 3,093,621	\$ -	\$ 1,880,195	\$ 2,916,010	\$ 7.7452	\$ 54,187	\$ 1,962	\$ 16,512	\$ 72,661	\$ 0.0481
Aug-17	\$ 4,375,033	\$ 1,244,593	\$ 3,130,440	\$ -	\$ 1,880,195	\$ 3,124,788	\$ 6.9897	\$ 56,735	\$ 2,054	\$ 16,512	\$ 75,301	\$ 0.0476
Sep-17	\$ 5,310,146	\$ 2,254,941	\$ 3,055,205	\$ -	\$ 1,839,945	\$ 4,094,886	\$ 5.0986	\$ 68,281	\$ 2,473	\$ 15,979	\$ 86,732	\$ 0.0456
Oct-17	\$ 8,696,089	\$ 5,424,952	\$ 3,271,137	\$ -	\$ 1,880,195	\$ 7,305,147	\$ 3.9174	\$ 107,919	\$ 3,908	\$ 16,512	\$ 128,338	\$ 0.0427
Nov-17	\$ 7,373,495	\$ 7,373,495	\$ -	\$ 1,482,687	\$ 1,428,426	\$ 10,284,608	\$ 3.4349	\$ 88,807	\$ 3,216	\$ 7,946	\$ 99,968	\$ 0.0404
Dec-17	\$ 10,005,911	\$ 10,005,911	\$ -	\$ 3,725,725	\$ 1,468,676	\$ 15,200,312	\$ 3.4547	\$ 110,426	\$ 3,999	\$ 19,966	\$ 134,390	\$ 0.0437
Jan-18	\$ 12,655,287	\$ 12,655,287	\$ -	\$ 3,725,725	\$ 1,468,676	\$ 17,849,688	\$ 3.6357	\$ 128,816	\$ 4,665	\$ 19,966	\$ 153,447	\$ 0.0428
Feb-18	\$ 9,728,244	\$ 9,728,244	\$ -	\$ 3,725,725	\$ 1,388,176	\$ 14,842,145	\$ 3.5855	\$ 101,029	\$ 3,658	\$ 19,966	\$ 124,654	\$ 0.0443
Mar-18	\$ 8,892,624	\$ 8,892,624	\$ -	\$ 1,482,687	\$ 1,468,676	\$ 11,843,986	\$ 3.5106	\$ 102,507	\$ 3,712	\$ 7,946	\$ 114,164	\$ 0.0400
Apr-18	\$ 4,938,195	\$ 4,938,195	\$ -	\$ 139,021	\$ 1,428,426	\$ 6,505,642	\$ 3.2133	\$ 71,260	\$ 2,580	\$ 745	\$ 74,585	\$ 0.0376
May-18	\$ 2,487,694	\$ 2,487,694	\$ -	\$ -	\$ 1,468,676	\$ 3,956,370	\$ 3.5275	\$ 40,491	\$ 1,466	\$ -	\$ 41,958	\$ 0.0372
Jun-18	\$ 3,732,104	\$ 1,248,405	\$ 2,483,699	\$ -	\$ 1,839,945	\$ 3,088,350	\$ 6.0055	\$ 57,851	\$ 2,095	\$ 15,979	\$ 75,925	\$ 0.0471
Jul-18	\$ 3,541,992	\$ 958,404	\$ 2,583,587	\$ -	\$ 1,880,195	\$ 2,838,599	\$ 7.3483	\$ 54,541	\$ 1,975	\$ 16,512	\$ 73,028	\$ 0.0481
Aug-18	\$ 3,638,425	\$ 1,035,970	\$ 2,602,455	\$ -	\$ 1,880,195	\$ 2,916,165	\$ 7.0071	\$ 55,620	\$ 2,014	\$ 16,512	\$ 74,145	\$ 0.0479
Sep-18	\$ 4,451,996	\$ 1,951,113	\$ 2,500,883	\$ -	\$ 1,839,945	\$ 3,791,058	\$ 4.6791	\$ 68,536	\$ 2,482	\$ 15,979	\$ 86,997	\$ 0.0456
Oct-18	\$ 7,301,119	\$ 4,566,613	\$ 2,734,506	\$ -	\$ 1,880,195	\$ 6,446,808	\$ 3.4331	\$ 108,388	\$ 3,925	\$ 16,512	\$ 128,825	\$ 0.0427
Nov-18	\$ 6,459,482	\$ 6,459,482	\$ -	\$ 1,260,350	\$ 1,428,426	\$ 9,148,258	\$ 3.0520	\$ 88,928	\$ 3,220	\$ 7,946	\$ 100,094	\$ 0.0404
Dec-18	\$ 8,801,049	\$ 8,801,049	\$ -	\$ 3,167,033	\$ 1,468,676	\$ 13,436,758	\$ 3.0536	\$ 110,439	\$ 3,999	\$ 19,966	\$ 134,403	\$ 0.0437
Jan-19	\$ 11,110,144	\$ 11,110,144	\$ -	\$ 3,167,033	\$ 1,468,676	\$ 15,745,853	\$ 3.1983	\$ 129,308	\$ 4,682	\$ 19,966	\$ 153,956	\$ 0.0427
Feb-19	\$ 8,549,758	\$ 8,549,758	\$ -	\$ 3,167,033	\$ 1,359,426	\$ 13,076,217	\$ 3.1451	\$ 101,683	\$ 3,682	\$ 19,966	\$ 125,331	\$ 0.0442
Mar-19	\$ 7,854,979	\$ 7,854,979	\$ -	\$ 1,260,350	\$ 1,468,676	\$ 10,584,005	\$ 3.1227	\$ 103,071	\$ 3,732	\$ 7,946	\$ 114,749	\$ 0.0400
Apr-19	\$ 3,597,945	\$ 3,597,945	\$ -	\$ 904,863	\$ 1,428,426	\$ 5,931,234	\$ 2.9167	\$ 59,569	\$ 2,157	\$ 5,704	\$ 67,430	\$ 0.0406
May-19	\$ 2,296,826	\$ 2,296,826	\$ -	\$ -	\$ 1,468,676	\$ 3,765,502	\$ 3.3427	\$ 40,668	\$ 1,473	\$ -	\$ 42,141	\$ 0.0372
Jun-19	\$ 3,433,690	\$ 1,150,992	\$ 2,282,698	\$ -	\$ 1,839,945	\$ 2,990,937	\$ 5.7970	\$ 57,912	\$ 2,097	\$ 15,979	\$ 75,988	\$ 0.0471
Jul-19	\$ 3,294,881	\$ 892,693	\$ 2,402,188	\$ -	\$ 1,880,195	\$ 2,772,888	\$ 7.1648	\$ 54,567	\$ 1,976	\$ 16,512	\$ 73,055	\$ 0.0481
Aug-19	\$ 3,399,221	\$ 968,947	\$ 2,430,274	\$ -	\$ 1,880,195	\$ 2,849,142	\$ 6.8348	\$ 55,644	\$ 2,015	\$ 16,512	\$ 74,171	\$ 0.0479
Sep-19	\$ 4,224,084	\$ 1,854,281	\$ 2,369,803	\$ -	\$ 1,839,945	\$ 3,694,226	\$ 4.5458	\$ 68,624	\$ 2,485	\$ 15,979	\$ 87,088	\$ 0.0456
Oct-19	\$ 7,012,740	\$ 4,393,563	\$ 2,619,177	\$ -	\$ 1,880,195	\$ 6,273,758	\$ 3.3261	\$ 108,691	\$ 3,936	\$ 16,512	\$ 129,139	\$ 0.0427
Nov-19	\$ 6,187,005	\$ 6,187,005	\$ -	\$ 1,180,904	\$ 1,428,426	\$ 8,796,335	\$ 2.9222	\$ 89,384	\$ 3,237	\$ 7,946	\$ 100,567	\$ 0.0404
Dec-19	\$ 8679322.731	\$ 8,679,323	\$ -	\$ -	\$ 1,468,676	\$ 10,147,999	\$ 2.2968	\$ 111,088	\$ 4,023	\$ 19,966	\$ 135,076	\$ 0.0437
	\$ 190,557,249	\$ 152,502,243	\$ 38,055,006	\$ 28,389,137	\$ 52,537,913	\$ 233,429,292		\$ 2,519,148	\$ 91,223	\$ 417,406	\$ 3,027,777	\$ 0.0431

Base Cost of Gas
Consolidated Gas Costs

NOTES:			Total GLGT Sales										Total VGT Sales Forecast			Total Net Sales Forecast all Pipes		
	Price at AECO	Price at Emerson	Forecasted Sales	Forecasted Co Use	Forecasted Gas Loss	Forecast	Forecasted Sales	Forecasted Co Use	Forecasted Gas Loss	Forecasted Sales	Forecasted Gas Loss	Forecasted Sales	Forecasted Gas Loss	Forecasted Sales	Forecasted Gas Loss	Forecasted Sales	Forecasted Gas Loss	
Date	Projected Price AECO	Projected Price Emerson	Total GLGT Sales	Total GLGT Co Use	Total GLGT Gas Loss	Net GLGT Sales Forecast	Total VGT Sales	Total VGT Co Use	Total VGT Gas Loss	Net VGT Sales Forecast	Total Centra Sales	Total Centra Gas Loss	Net Centra Sales Forecast	Total Net Consolidated Sales Forecast				
May-17	\$ -	\$ 2.7820	104,666	671	2,093	107,430	106,881	647	2,138	109,666	56,010	1,120	57,130	274,226				
Jun-17	\$ -	\$ 2.7425	42,210	523	844	43,577	35,510	461	710	36,681	44,123	882	45,006	125,263				
Jul-17	\$ -	\$ 2.8265	30,247	430	605	31,281	26,600	349	532	27,481	29,489	590	30,079	88,841				
Aug-17	\$ -	\$ 2.8995	40,503	455	810	41,768	23,740	282	475	24,496	30,928	619	31,546	97,811				
Sep-17	\$ -	\$ 2.8660	65,233	411	1,305	66,948	58,412	405	1,168	59,985	53,613	1,072	54,685	181,618				
Oct-17	\$ -	\$ 2.8880	155,058	583	3,101	158,742	136,228	518	2,725	139,471	92,553	1,851	94,404	392,617				
Nov-17	\$ -	\$ 2.9390	247,252	814	4,945	253,011	213,156	664	4,263	218,083	142,752	2,855	145,607	616,701				
Dec-17	\$ -	\$ 3.0800	367,100	1,043	7,342	375,485	340,803	914	6,816	348,533	189,508	3,790	193,298	917,316				
Jan-18	\$ -	\$ 3.2000	420,509	1,190	8,410	430,110	397,040	1,081	7,941	406,061	217,566	4,351	221,917	1,058,088				
Feb-18	\$ -	\$ 3.1880	359,730	1,187	7,195	368,111	340,517	1,091	6,810	348,419	182,769	3,655	186,424	902,954				
Mar-18	\$ -	\$ 3.0020	290,465	1,072	5,809	297,346	283,159	1,006	5,663	289,828	162,408	3,248	165,656	752,831				
Apr-18	\$ 2.8300	\$ 2.5170	174,824	876	3,496	179,196	169,241	794	3,385	173,420	123,389	2,468	125,857	478,473				
May-18	\$ 2.7175	\$ 2.4560	108,162	662	2,163	110,988	110,585	641	2,212	113,437	57,260	1,145	58,405	282,830				
Jun-18	\$ 2.6955	\$ 2.4820	44,671	521	893	46,086	37,225	456	744	38,425	47,360	947	48,307	132,818				
Jul-18	\$ 2.6820	\$ 2.5080	30,384	429	608	31,421	26,403	348	528	27,280	28,127	563	28,689	87,390				
Aug-18	\$ 2.6900	\$ 2.5150	40,383	459	808	41,650	23,540	282	471	24,293	29,851	597	30,448	96,392				
Sep-18	\$ 2.6635	\$ 2.4890	65,490	417	1,310	67,217	58,529	410	1,171	60,109	53,366	1,067	54,434	181,759				
Oct-18	\$ 2.6615	\$ 2.5070	156,977	591	3,140	160,707	138,096	526	2,762	141,384	94,042	1,881	95,922	398,013				
Nov-18	\$ 2.8610	\$ 2.7980	249,930	826	4,999	255,755	215,747	674	4,315	220,735	145,291	2,906	148,197	624,686				
Dec-18	\$ 2.9920	\$ 2.9360	369,392	1,057	7,388	377,837	343,871	926	6,877	351,674	193,079	3,862	196,941	926,452				
Jan-19	\$ 3.0440	\$ 3.0320	421,972	1,204	8,439	431,616	398,368	1,094	7,967	407,429	218,120	4,362	222,482	1,061,527				
Feb-19	\$ 3.0880	\$ 3.0100	361,079	1,203	7,222	369,503	341,814	1,106	6,836	349,756	183,313	3,666	186,979	906,238				
Mar-19	\$ 2.9660	\$ 2.9390	291,676	1,089	5,834	298,599	284,330	1,023	5,687	291,039	162,900	3,258	166,158	755,796				
Apr-19	\$ 2.5735	\$ 2.5370	175,589	893	3,512	179,994	169,944	810	3,399	174,153	123,717	2,474	126,191	480,338				
May-19	\$ 2.5330	\$ 2.4940	108,565	678	2,171	111,415	110,957	656	2,219	113,832	57,427	1,149	58,575	283,821				
Jun-19	\$ 2.4715	\$ 2.5220	44,743	537	895	46,174	37,328	470	747	38,544	47,404	948	48,352	133,071				
Jul-19	\$ 2.4785	\$ 2.5570	30,345	445	607	31,397	26,406	361	528	27,295	28,135	563	28,697	87,389				
Aug-19	\$ 2.5457	\$ 2.5720	40,394	476	808	41,677	23,571	292	471	24,335	29,871	597	30,468	96,481				
Sep-19	\$ 2.5267	\$ 2.5680	65,747	429	1,315	67,491	58,798	422	1,176	60,396	53,491	1,070	54,561	182,447				
Oct-19	\$ 2.5487	\$ 2.5970	157,740	603	3,155	161,498	138,891	536	2,778	142,205	94,383	1,888	96,270	399,973				
Nov-19	\$ 2.7073	\$ 2.8200	251,307	837	5,026	257,171	216,889	683	4,338	221,909	145,888	2,918	148,805	627,886				
Dec-19	\$ 2.8393	\$ 2.9650	371,467	1,067	7,429	379,963	345,631	935	6,913	353,478	193,898	3,878	197,776	931,217				
			5,683,806	23,680	113,676	5,821,162	5,238,205	20,862	104,764	5,363,831	3,312,029	66,241	3,378,269	14,563,262				

Base Cost of Gas
 Consolidated Gas Costs

From Storage tab - injections and withdraws		Total Requirement grossed up for fuel	Total Requirement grossed up for fuel	Total Requirement grossed up for fuel	Total Requirement for all pipes	Storage requirement (fuel is add on cost)	Requirement minus AECO injections	Requirement	Total Flowing Gas Cost
DATE	AECO Inj/WD	Total Net Requirement	Total Gross Requirement - GLGT	Total Gross Requirement - VGT	Total Gross Requirement - Centra	Total Gross Requirement - Consolidated	Total Gross Requirement - AECO	Requirement Total Cost	Total Flowing Gas Cost
May-17	-	274,226	108,593	111,324	57,245	277,162	-	\$ 771,066	\$ 771,066
Jun-17	-	125,263	44,048	37,236	45,096	126,381	-	\$ 346,599	\$ 346,599
Jul-17	-	88,841	31,620	27,897	30,139	89,656	-	\$ 253,412	\$ 253,412
Aug-17	-	97,811	42,221	24,991	31,610	98,821	-	\$ 286,532	\$ 286,532
Sep-17	-	181,618	67,673	61,196	54,795	183,665	-	\$ 526,384	\$ 526,384
Oct-17	-	392,617	160,461	142,288	94,594	397,343	-	\$ 1,147,526	\$ 1,147,526
Nov-17	-	616,701	255,750	222,488	145,900	624,138	-	\$ 1,834,343	\$ 1,834,343
Dec-17	-	917,316	379,550	355,573	193,687	928,811	-	\$ 2,860,736	\$ 2,860,736
Jan-18	-	1,058,088	434,767	414,264	222,363	1,071,393	-	\$ 3,428,459	\$ 3,428,459
Feb-18	-	902,954	372,097	355,457	186,799	914,353	-	\$ 2,914,957	\$ 2,914,957
Mar-18	-	752,831	300,566	294,212	165,989	760,767	-	\$ 2,283,822	\$ 2,283,822
Apr-18	177,809	656,282	181,136	176,043	126,110	661,098	177,809	\$ 1,719,638	\$ 1,216,439
May-18	191,103	473,933	112,189	115,153	58,523	476,968	191,103	\$ 1,221,407	\$ 702,084
Jun-18	184,939	317,757	46,585	39,007	48,404	318,934	184,939	\$ 831,080	\$ 332,577
Jul-18	191,103	278,493	31,761	27,692	28,747	279,303	191,103	\$ 733,745	\$ 221,207
Aug-18	191,103	287,495	42,101	24,784	30,509	288,498	191,103	\$ 759,015	\$ 244,947
Sep-18	93,237	274,996	67,944	61,323	54,543	277,048	93,237	\$ 705,842	\$ 457,505
Oct-18	96,335	494,348	162,447	144,240	96,115	499,137	96,335	\$ 1,266,220	\$ 1,009,824
Nov-18	(85,304)	539,382	258,524	225,194	148,495	632,213	-	\$ 1,524,876	\$ 1,524,876
Dec-18	(231,768)	694,684	381,928	358,778	197,337	938,043	-	\$ 2,060,644	\$ 2,060,644
Jan-19	(231,769)	829,758	436,289	415,659	222,930	1,074,878	-	\$ 2,553,524	\$ 2,553,524
Feb-19	(209,339)	696,899	373,504	356,821	187,355	917,680	-	\$ 2,115,778	\$ 2,115,778
Mar-19	(96,375)	659,421	301,832	295,441	166,493	763,765	-	\$ 1,958,857	\$ 1,958,857
Apr-19	(93,265)	387,073	181,942	176,787	126,445	485,175	-	\$ 990,871	\$ 990,871
May-19	191,103	474,924	112,621	115,553	58,693	477,970	191,103	\$ 1,199,511	\$ 715,447
Jun-19	184,939	318,010	46,674	39,127	48,449	319,190	184,939	\$ 795,657	\$ 338,581
Jul-19	191,103	278,492	31,737	27,708	28,755	279,303	191,103	\$ 699,175	\$ 225,526
Aug-19	191,103	287,584	42,129	24,827	30,529	288,588	191,103	\$ 737,224	\$ 250,731
Sep-19	93,237	275,684	68,221	61,616	54,671	277,745	93,237	\$ 709,399	\$ 473,816
Oct-19	96,335	496,308	163,246	145,077	96,464	501,123	96,335	\$ 1,296,764	\$ 1,051,233
Nov-19	(85,304)	542,582	259,955	226,392	149,105	635,452	-	\$ 1,561,035	\$ 1,561,035
Dec-19	(231,768)	699,449	384,077	360,619	198,173	942,869	-	\$ 2,137,560	\$ 2,137,560
	808,557	15,371,819	5,884,187	5,464,766	3,385,067	16,807,469	2,073,449	\$ 44,231,660	\$ 38,796,900

Base Cost of Gas
Consolidated Gas Costs

Date	Cost of gas injected	Gas withdrawals	AECO fuel adder - see note	Flowing gas plus gas withdrawn from storage	Total cost divided by Net Sales	Total GLGT	Total GLGT	Total VET	Total VET	Total Centra	Total Volumetric cost divided by total requirement		
	into storage (at AECO price)	priced at storage WACOG				requirement times Utilization cost	requirement times ACA Surcharge	requirement times Commodity Surcharge	requirement times ACA Surcharge	times Centra cost			
Notes:	Total AECO Storage Cost	Storage Gas Cost (WD)	AECO Fuel	Demand Costs	Sales Gas Cost	Projected Gas Cost Per Unit	GLGT Utilization Cost	GLGT ACA Surcharge Cost	Commodity Surcharge Cost	VGT ACA Surcharge Cost	Total Centra Volumetric Costs	Total Volumetric Cost	Projected Volumetric cost per unit
May-17	\$ -	\$ -	\$ -	\$ 66,567	\$ 837,633	\$ 3.0545	\$ 428	\$ 141	\$ 1,291	\$ 145	\$ -	\$ 2,005	\$ 0.0072
Jun-17	\$ -	\$ -	\$ -	\$ 66,567	\$ 413,166	\$ 3.2984	\$ 174	\$ 57	\$ 432	\$ 48	\$ -	\$ 711	\$ 0.0056
Jul-17	\$ -	\$ -	\$ -	\$ 66,567	\$ 319,979	\$ 3.6017	\$ 125	\$ 41	\$ 324	\$ 36	\$ -	\$ 526	\$ 0.0059
Aug-17	\$ -	\$ -	\$ -	\$ 66,567	\$ 353,099	\$ 3.6100	\$ 166	\$ 55	\$ 290	\$ 32	\$ -	\$ 544	\$ 0.0055
Sep-17	\$ -	\$ -	\$ -	\$ 66,567	\$ 592,951	\$ 3.2648	\$ 267	\$ 88	\$ 710	\$ 80	\$ -	\$ 1,144	\$ 0.0062
Oct-17	\$ -	\$ -	\$ -	\$ 66,567	\$ 1,214,093	\$ 3.0923	\$ 632	\$ 209	\$ 1,651	\$ 185	\$ -	\$ 2,676	\$ 0.0067
Nov-17	\$ -	\$ -	\$ -	\$ 66,567	\$ 1,900,910	\$ 3.0824	\$ 1,008	\$ 332	\$ 2,581	\$ 289	\$ -	\$ 4,210	\$ 0.0067
Dec-17	\$ -	\$ -	\$ -	\$ 66,567	\$ 2,927,303	\$ 3.1912	\$ 1,495	\$ 493	\$ 4,125	\$ 462	\$ -	\$ 6,576	\$ 0.0071
Jan-18	\$ -	\$ -	\$ -	\$ 66,567	\$ 3,495,026	\$ 3.3032	\$ 1,713	\$ 565	\$ 4,805	\$ 539	\$ -	\$ 7,622	\$ 0.0071
Feb-18	\$ -	\$ -	\$ -	\$ 66,567	\$ 2,981,524	\$ 3.3020	\$ 1,466	\$ 484	\$ 4,123	\$ 462	\$ -	\$ 6,535	\$ 0.0071
Mar-18	\$ -	\$ -	\$ -	\$ 66,567	\$ 2,350,389	\$ 3.1221	\$ 1,184	\$ 391	\$ 3,413	\$ 382	\$ -	\$ 5,370	\$ 0.0071
Apr-18	\$ 503,199	\$ -	\$ 1,334	\$ 66,567	\$ 1,284,339	\$ 2.6842	\$ 714	\$ 235	\$ 2,042	\$ 229	\$ -	\$ 3,220	\$ 0.0049
May-18	\$ 519,322	\$ -	\$ 1,433	\$ 66,567	\$ 770,085	\$ 2.7228	\$ 442	\$ 146	\$ 1,336	\$ 150	\$ -	\$ 2,073	\$ 0.0043
Jun-18	\$ 498,503	\$ -	\$ 1,387	\$ 66,567	\$ 400,530	\$ 3.0156	\$ 184	\$ 61	\$ 452	\$ 51	\$ -	\$ 747	\$ 0.0023
Jul-18	\$ 512,538	\$ -	\$ 1,433	\$ 66,567	\$ 289,207	\$ 3.3094	\$ 125	\$ 41	\$ 321	\$ 36	\$ -	\$ 524	\$ 0.0019
Aug-18	\$ 514,067	\$ -	\$ 1,433	\$ 66,567	\$ 312,948	\$ 3.2466	\$ 166	\$ 55	\$ 287	\$ 32	\$ -	\$ 540	\$ 0.0019
Sep-18	\$ 248,337	\$ -	\$ 699	\$ 66,567	\$ 524,771	\$ 2.8872	\$ 268	\$ 88	\$ 711	\$ 80	\$ -	\$ 1,147	\$ 0.0041
Oct-18	\$ 256,396	\$ -	\$ 723	\$ 66,567	\$ 1,077,114	\$ 2.7062	\$ 640	\$ 211	\$ 1,673	\$ 188	\$ -	\$ 2,712	\$ 0.0054
Nov-18	\$ -	\$ 231,318	\$ 640	\$ 66,567	\$ 1,823,401	\$ 2.9189	\$ 1,019	\$ 336	\$ 2,612	\$ 293	\$ -	\$ 4,260	\$ 0.0067
Dec-18	\$ -	\$ 628,484	\$ 1,738	\$ 66,567	\$ 2,757,434	\$ 2.9763	\$ 1,505	\$ 497	\$ 4,162	\$ 466	\$ -	\$ 6,630	\$ 0.0071
Jan-19	\$ -	\$ 628,487	\$ 1,738	\$ 66,567	\$ 3,250,316	\$ 3.0619	\$ 1,719	\$ 567	\$ 4,822	\$ 540	\$ -	\$ 7,648	\$ 0.0071
Feb-19	\$ -	\$ 567,664	\$ 1,570	\$ 66,567	\$ 2,751,579	\$ 3.0363	\$ 1,472	\$ 486	\$ 4,139	\$ 464	\$ -	\$ 6,560	\$ 0.0071
Mar-19	\$ -	\$ 261,340	\$ 723	\$ 66,567	\$ 2,287,487	\$ 3.0266	\$ 1,189	\$ 392	\$ 3,427	\$ 384	\$ -	\$ 5,393	\$ 0.0071
Apr-19	\$ -	\$ 252,906	\$ 699	\$ 66,567	\$ 1,311,044	\$ 2.7294	\$ 717	\$ 237	\$ 2,051	\$ 230	\$ -	\$ 3,234	\$ 0.0067
May-19	\$ 484,064	\$ -	\$ 1,433	\$ 66,567	\$ 783,447	\$ 2.7604	\$ 444	\$ 146	\$ 1,340	\$ 150	\$ -	\$ 2,081	\$ 0.0044
Jun-19	\$ 457,077	\$ -	\$ 1,387	\$ 66,567	\$ 406,535	\$ 3.0550	\$ 184	\$ 61	\$ 454	\$ 51	\$ -	\$ 749	\$ 0.0023
Jul-19	\$ 473,649	\$ -	\$ 1,433	\$ 66,567	\$ 293,526	\$ 3.3588	\$ 125	\$ 41	\$ 321	\$ 36	\$ -	\$ 524	\$ 0.0019
Aug-19	\$ 486,494	\$ -	\$ 1,433	\$ 66,567	\$ 318,731	\$ 3.3036	\$ 166	\$ 55	\$ 288	\$ 32	\$ -	\$ 541	\$ 0.0019
Sep-19	\$ 235,583	\$ -	\$ 699	\$ 66,567	\$ 541,082	\$ 2.9657	\$ 269	\$ 89	\$ 715	\$ 80	\$ -	\$ 1,152	\$ 0.0041
Oct-19	\$ 245,530	\$ -	\$ 723	\$ 66,567	\$ 1,118,523	\$ 2.7965	\$ 643	\$ 212	\$ 1,683	\$ 189	\$ -	\$ 2,727	\$ 0.0054
Nov-19	\$ -	\$ 217,086	\$ 640	\$ 66,567	\$ 1,845,328	\$ 2.9390	\$ 1,024	\$ 338	\$ 2,626	\$ 294	\$ -	\$ 4,283	\$ 0.0067
Dec-19	\$ -	\$ 589,816	\$ 1,738	\$ 66,567	\$ 2,795,681	\$ 3.0022	\$ 1,513	\$ 499	\$ 4,183	\$ 469	\$ -	\$ 6,665	\$ 0.0071
	\$ 5,434,759	\$ 3,377,101	\$ 25,038	\$ 2,130,141	\$ 44,329,180	\$ 3.0439	\$ 23,184	\$ 7,649	\$ 63,391	\$ 7,104	\$ -	\$ 101,329	\$ 0.0066

Base Cost of Gas
Gas Cost Summary

	NNG					CONSOLIDATED					TOTAL				
	Gas Cost	Volumetric Cost	Demand Cost	Hedging Cost	Total Cost	Gas Cost	Volumetric Cost	Demand Cost	Hedging Cost	Total Cost	Gas Cost	Volumetric Cost	Demand Cost	Hedging Cost	Total Cost
May-17	\$ 4,163,381	\$ 40,487	\$ 640,259	\$ -	\$ 4,844,128	\$ 837,633	\$ 2,005	\$ 288,323	\$ -	\$ 1,127,961	\$ 5,001,014	\$ 42,492	\$ 928,582	\$ -	\$ 5,972,088
Jun-17	\$ 3,048,238	\$ 28,982	\$ 640,259	\$ -	\$ 3,717,479	\$ 413,166	\$ 711	\$ 288,323	\$ -	\$ 702,200	\$ 3,461,403	\$ 29,694	\$ 928,582	\$ -	\$ 4,419,679
Jul-17	\$ 2,916,010	\$ 72,661	\$ 640,259	\$ -	\$ 3,628,930	\$ 319,979	\$ 526	\$ 288,323	\$ -	\$ 608,827	\$ 3,235,989	\$ 73,186	\$ 928,582	\$ -	\$ 4,237,758
Aug-17	\$ 3,124,788	\$ 75,301	\$ 640,259	\$ -	\$ 3,840,348	\$ 353,099	\$ 544	\$ 288,323	\$ -	\$ 641,966	\$ 3,477,887	\$ 75,844	\$ 928,582	\$ -	\$ 4,482,313
Sep-17	\$ 4,094,886	\$ 86,732	\$ 640,259	\$ -	\$ 4,821,878	\$ 592,951	\$ 1,144	\$ 288,323	\$ -	\$ 882,418	\$ 4,687,837	\$ 87,876	\$ 928,582	\$ -	\$ 5,704,295
Oct-17	\$ 7,305,147	\$ 128,338	\$ 651,625	\$ -	\$ 8,085,111	\$ 1,214,093	\$ 2,676	\$ 288,323	\$ -	\$ 1,505,092	\$ 8,519,240	\$ 131,015	\$ 939,948	\$ -	\$ 9,590,202
Nov-17	\$ 10,284,608	\$ 99,968	\$ 3,536,125	\$ 87,087	\$ 14,007,788	\$ 1,900,910	\$ 4,210	\$ 316,528	\$ 18,473	\$ 2,240,121	\$ 12,185,517	\$ 104,179	\$ 3,852,653	\$ 105,560	\$ 16,247,909
Dec-17	\$ 15,200,312	\$ 134,390	\$ 3,536,125	\$ 174,207	\$ 19,045,035	\$ 2,927,303	\$ 6,576	\$ 316,528	\$ 36,953	\$ 3,287,360	\$ 18,127,616	\$ 140,966	\$ 3,852,653	\$ 211,160	\$ 22,332,395
Jan-18	\$ 17,849,688	\$ 153,447	\$ 3,536,125	\$ 267,143	\$ 21,806,403	\$ 3,495,026	\$ 7,622	\$ 316,528	\$ 56,667	\$ 3,875,843	\$ 21,344,714	\$ 161,069	\$ 3,852,653	\$ 323,810	\$ 25,682,246
Feb-18	\$ 14,842,145	\$ 124,654	\$ 3,536,125	\$ 279,774	\$ 18,782,698	\$ 2,981,524	\$ 6,535	\$ 316,528	\$ 59,346	\$ 3,363,934	\$ 17,823,670	\$ 131,189	\$ 3,852,653	\$ 339,120	\$ 22,146,632
Mar-18	\$ 11,843,986	\$ 114,164	\$ 3,536,125	\$ 258,011	\$ 15,752,287	\$ 2,350,389	\$ 5,370	\$ 316,528	\$ 54,730	\$ 2,727,017	\$ 14,194,376	\$ 119,535	\$ 3,852,653	\$ 312,740	\$ 18,479,304
Apr-18	\$ 6,505,642	\$ 74,585	\$ 651,626	\$ -	\$ 7,231,852	\$ 1,284,339	\$ 3,220	\$ 288,323	\$ -	\$ 1,575,882	\$ 7,789,981	\$ 77,805	\$ 939,948	\$ -	\$ 8,807,734
May-18	\$ 3,956,370	\$ 41,958	\$ 640,260	\$ -	\$ 4,638,587	\$ 770,085	\$ 2,073	\$ 288,323	\$ -	\$ 1,060,481	\$ 4,726,454	\$ 44,031	\$ 928,582	\$ -	\$ 5,699,068
Jun-18	\$ 3,088,350	\$ 75,925	\$ 640,260	\$ -	\$ 3,804,535	\$ 400,530	\$ 747	\$ 288,323	\$ -	\$ 689,600	\$ 3,488,880	\$ 76,672	\$ 928,582	\$ -	\$ 4,494,135
Jul-18	\$ 2,838,599	\$ 73,028	\$ 640,260	\$ -	\$ 3,551,886	\$ 289,207	\$ 524	\$ 288,323	\$ -	\$ 578,053	\$ 3,127,806	\$ 73,551	\$ 928,582	\$ -	\$ 4,129,939
Aug-18	\$ 2,916,165	\$ 74,145	\$ 640,260	\$ -	\$ 3,630,570	\$ 312,948	\$ 540	\$ 288,323	\$ -	\$ 601,811	\$ 3,229,112	\$ 74,686	\$ 928,582	\$ -	\$ 4,232,380
Sep-18	\$ 3,791,058	\$ 86,997	\$ 640,260	\$ -	\$ 4,518,315	\$ 524,771	\$ 1,147	\$ 288,323	\$ -	\$ 814,241	\$ 4,315,830	\$ 88,144	\$ 928,582	\$ -	\$ 5,332,556
Oct-18	\$ 6,446,808	\$ 128,825	\$ 651,626	\$ -	\$ 7,227,259	\$ 1,077,114	\$ 2,712	\$ 288,323	\$ -	\$ 1,368,148	\$ 7,523,922	\$ 131,537	\$ 939,948	\$ -	\$ 8,595,407
Nov-18	\$ 9,148,258	\$ 100,094	\$ 3,536,125	\$ 87,087	\$ 12,871,564	\$ 1,823,401	\$ 4,260	\$ 316,528	\$ 18,473	\$ 2,162,662	\$ 10,971,659	\$ 104,354	\$ 3,852,653	\$ 105,560	\$ 15,034,226
Dec-18	\$ 13,436,758	\$ 134,403	\$ 3,536,125	\$ 174,207	\$ 17,281,494	\$ 2,757,434	\$ 6,630	\$ 316,528	\$ 36,953	\$ 3,117,544	\$ 16,194,191	\$ 141,033	\$ 3,852,653	\$ 211,160	\$ 20,399,038
Jan-19	\$ 15,745,853	\$ 153,956	\$ 3,536,125	\$ 267,143	\$ 19,703,077	\$ 3,250,316	\$ 7,648	\$ 316,528	\$ 56,667	\$ 3,631,159	\$ 18,996,169	\$ 161,604	\$ 3,852,653	\$ 323,810	\$ 23,334,237
Feb-19	\$ 13,076,217	\$ 125,331	\$ 3,536,125	\$ 279,774	\$ 17,017,447	\$ 2,751,579	\$ 6,560	\$ 316,528	\$ 59,346	\$ 3,134,013	\$ 15,827,795	\$ 131,891	\$ 3,852,653	\$ 339,120	\$ 20,151,460
Mar-19	\$ 10,584,005	\$ 114,749	\$ 3,536,125	\$ 258,011	\$ 14,492,890	\$ 2,287,487	\$ 5,393	\$ 316,528	\$ 54,730	\$ 2,664,137	\$ 12,871,492	\$ 120,141	\$ 3,852,653	\$ 312,740	\$ 17,157,027
Apr-19	\$ 5,931,234	\$ 67,430	\$ 651,626	\$ -	\$ 6,650,290	\$ 1,311,044	\$ 3,234	\$ 288,323	\$ -	\$ 1,602,600	\$ 7,242,277	\$ 70,664	\$ 939,948	\$ -	\$ 8,252,890
May-19	\$ 3,765,502	\$ 42,141	\$ 640,260	\$ -	\$ 4,447,903	\$ 783,447	\$ 2,081	\$ 288,323	\$ -	\$ 1,073,851	\$ 4,548,950	\$ 44,222	\$ 928,582	\$ -	\$ 5,521,754
Jun-19	\$ 2,990,937	\$ 75,988	\$ 640,260	\$ -	\$ 3,707,185	\$ 406,535	\$ 749	\$ 288,323	\$ -	\$ 695,607	\$ 3,397,472	\$ 76,738	\$ 928,582	\$ -	\$ 4,402,792
Jul-19	\$ 2,772,888	\$ 73,055	\$ 640,260	\$ -	\$ 3,486,202	\$ 293,526	\$ 524	\$ 288,323	\$ -	\$ 582,373	\$ 3,066,414	\$ 73,578	\$ 928,582	\$ -	\$ 4,068,575
Aug-19	\$ 2,849,142	\$ 74,171	\$ 640,260	\$ -	\$ 3,563,572	\$ 318,731	\$ 541	\$ 288,323	\$ -	\$ 607,595	\$ 3,167,873	\$ 74,712	\$ 928,582	\$ -	\$ 4,171,167
Sep-19	\$ 3,694,226	\$ 87,088	\$ 640,260	\$ -	\$ 4,421,574	\$ 541,082	\$ 1,152	\$ 288,323	\$ -	\$ 830,557	\$ 4,235,308	\$ 88,241	\$ 928,582	\$ -	\$ 5,252,131
Oct-19	\$ 6,273,758	\$ 129,139	\$ 651,626	\$ -	\$ 7,054,522	\$ 1,118,523	\$ 2,727	\$ 288,323	\$ -	\$ 1,409,572	\$ 7,392,280	\$ 131,866	\$ 939,948	\$ -	\$ 8,464,095
Nov-19	\$ 8,796,335	\$ 100,567	\$ 3,536,125	\$ 87,087	\$ 12,520,114	\$ 1,845,328	\$ 4,283	\$ 316,528	\$ 18,473	\$ 2,184,612	\$ 10,641,663	\$ 104,849	\$ 3,852,653	\$ 105,560	\$ 14,704,726
Dec-19	\$ 10,147,999	\$ 135,076	\$ 3,536,125	\$ 174,207	\$ 13,993,407	\$ 2,795,681	\$ 6,665	\$ 316,528	\$ 36,953	\$ 3,155,827	\$ 12,943,680	\$ 141,741	\$ 3,852,653	\$ 211,160	\$ 17,149,234
Total	\$ 233,429,292	\$ 3,027,777	\$ 55,295,522	\$ 2,393,738	\$ 294,146,328	\$ 44,329,180	\$ 101,329	\$ 9,564,791	\$ 507,763	\$ 54,503,062	\$ 277,758,472	\$ 3,129,105	\$ 64,860,313	\$ 2,901,500	\$ 348,649,391
Year 1	\$ 50,137,370	\$ 666,861	\$ 10,925,171	\$ 261,294	\$ 61,990,696	\$ 8,559,134	\$ 18,392	\$ 2,362,992	\$ 55,426	\$ 10,995,944	\$ 58,696,503	\$ 685,253	\$ 13,288,164	\$ 316,720	\$ 72,986,640
Year 2	\$ 96,663,827	\$ 1,182,225	\$ 22,185,175	\$ 1,066,222	\$ 121,097,449	\$ 18,066,767	\$ 41,381	\$ 3,600,900	\$ 226,168	\$ 21,935,216	\$ 114,730,595	\$ 1,223,605	\$ 25,786,075	\$ 1,292,390	\$ 143,032,665
Year 3	\$ 86,628,095	\$ 1,178,691	\$ 22,185,175	\$ 1,066,222	\$ 111,058,184	\$ 17,703,278	\$ 41,556	\$ 3,600,900	\$ 226,168	\$ 21,571,902	\$ 104,331,374	\$ 1,220,248	\$ 25,786,075	\$ 1,292,390	\$ 132,630,086

Exhibit 2
Docket No. G011/MR-17-564

MINNESOTA ENERGY RESOURCES CORPORATION
MERC-NNG
MERC-Consolidated
MERC-Albert Lea

INTERIM RATES
MINNESOTA PUBLIC UTILITIES COMMISSION
Revised Sheet No. 7.07
Superceding ### Revised Sheet No. 7.07
Exhibit 2 to Base Cost of Gas Petition

As approved in Docket No. G011/MR-17-564
Per Therm
Rates Subject to Fuel Adjustment Clause

	(A)	(B)	(C)	(D)	(A+B+C) (E)	(D+E) (F)	(G)	(D-G+D) (H)	(E+G) (I)	(E+H) (J)
	Base Gas Cost**	PGA Adjustment	Annual ACA Adjustment	Tariff Margin	Total Tariff Rate w/o Margin	Total Tariff Rate	Minimum Flex Margin	Maximum Flex Margin	Minimum Total Flex Tariff	Maximum Total Flex Tariff
<u>Small Volume Interruptible</u>										
SVI-NNG	0.37406	0.00000	0.03642	0.10616	0.41048	0.51664	0.00450	0.20781	0.41498	0.61829
SVI-Consolidated	0.31575	0.00000	(0.00378)	0.10616	0.31197	0.41813	0.00450	0.20781	0.31647	0.51978
SVI-Albert Lea	0.37406	0.00000	0.03642	0.10616	0.41048	0.51664				
<u>Large Volume Interruptible</u>										
LVI-NNG	0.37406	0.00000	0.03642	0.05808	0.41048	0.46856	0.00450	0.11166	0.41498	0.52214
LVI-Consolidated	0.31575	0.00000	(0.00378)	0.05808	0.31197	0.37005	0.00450	0.11166	0.31647	0.42363
LVI-Albert Lea	0.37406	0.00000	0.03642	0.05808	0.41048	0.46856				
<u>Daily Firm Capacity-Small Volume (Monthly Rate)</u>										
SVJ-NNG*	2.80830	0.00000	0.00000	0.32697	2.80830	3.13527	0.00000	0.65394	2.80830	3.46224
SVJ-Consolidated	2.22450	0.00000	0.00013	0.32697	2.22463	2.55160	0.00000	0.65394	2.22463	2.87857
SVJ-Albert Lea	2.80830	0.00000	0.00000	0.32697	2.80830	3.13527				
<u>Daily Firm Capacity-Large Volume</u>										
LVJ-NNG*	2.80830	0.00000	0.00000	0.32697	2.80830	3.13527	0.00000	0.65394	2.80830	3.46224
LVJ-Consolidated	2.22450	0.00000	0.00013	0.32697	2.22463	2.55160	0.00000	0.65394	2.22463	2.87857
LVJ-Albert Lea	2.80830	0.00000	0.00000	0.32697	2.80830	3.13527				
<u>Super Large Volume</u>										
S-LV-Commodity	0.37406	0.00000	0.03642	0.03215	0.41048	0.44263	0.00450	0.05980	0.41498	0.47028
S-LV-Daily Firm Capacity*	2.80830	0.00000	0.00000	0.06757	2.80830	2.87587	0.00000	0.13515	2.80830	2.94345

*If customer prefers to be a Transportation only customer, the Base Gas Cost Component of Firm Transportation is the NNG TF12 Base

**Base Gas Cost as approved in Docket No. G011/MR-15-748 for NNG , NNG AL, & Consolidated PGA systems.

Issued by: T. T. Eidukas
Vice-President
Submitted Date: 29-Sep-17

Proposed Effective Date: 01-Jan-18

MNM0917

In the Matter of the Petition of Minnesota
Energy Resources Corporation for Approval
of a New Base Gas Cost for Interim Rates

Docket No. G011/MR-17-564

CERTIFICATE OF SERVICE

I, Kristin M. Stastny, hereby certify that on the 29th of September, 2017, on behalf of Minnesota Energy Resources Corporation, I electronically filed a true and correct copy of the enclosed Petition on www.edockets.state.mn.us. Said document was also served via U.S. mail and electronic service as designated on the attached service list.

Dated this 29th of September, 2017.

/s/ Kristin M. Stastny
Kristin M. Stastny

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
Michael	Ahern	ahern.michael@dorsey.com	Dorsey & Whitney, LLP	50 S 6th St Ste 1500 Minneapolis, MN 554021498	Electronic Service	No	GEN_SL_Minnesota Energy Resources Corporation (HOLDING)_Docket No. G011-MR-17-564
Julia	Anderson	Julia.Anderson@ag.state.mn.us	Office of the Attorney General-DOC	1800 BRM Tower 445 Minnesota St St. Paul, MN 551012134	Electronic Service	No	GEN_SL_Minnesota Energy Resources Corporation (HOLDING)_Docket No. G011-MR-17-564
Michael	Auger	mauger@usenergyservices.com	U S Energy Services, Inc.	Suite 1200 605 Highway 169 N Minneapolis, MN 554416531	Electronic Service	No	GEN_SL_Minnesota Energy Resources Corporation (HOLDING)_Docket No. G011-MR-17-564
Koby	Bailey	kabailey@integrysgroup.com	Minnesota Energy Resources Corporation (HOLDING)	200 East Randolph, Suite 2300 Chicago, Illinois 60601	Electronic Service	No	GEN_SL_Minnesota Energy Resources Corporation (HOLDING)_Docket No. G011-MR-17-564
Ryan	Barlow	Ryan.Barlow@ag.state.mn.us	Office of the Attorney General-RUD	445 Minnesota Street Bremer Tower, Suite 1400 St. Paul, Minnesota 55101	Electronic Service	No	GEN_SL_Minnesota Energy Resources Corporation (HOLDING)_Docket No. G011-MR-17-564
Elizabeth	Brama	ebrama@briggs.com	Briggs and Morgan	2200 IDS Center 80 South 8th Street Minneapolis, MN 55402	Electronic Service	No	GEN_SL_Minnesota Energy Resources Corporation (HOLDING)_Docket No. G011-MR-17-564
James	Canaday	james.canaday@ag.state.mn.us	Office of the Attorney General-RUD	Suite 1400 445 Minnesota St. St. Paul, MN 55101	Electronic Service	No	GEN_SL_Minnesota Energy Resources Corporation (HOLDING)_Docket No. G011-MR-17-564
Jeanne	Cochran	Jeanne.Cochran@state.mn.us	Office of Administrative Hearings	P.O. Box 64620 St. Paul, MN 55164-0620	Electronic Service	No	GEN_SL_Minnesota Energy Resources Corporation (HOLDING)_Docket No. G011-MR-17-564
Seth	DeMerritt	ssdemerritt@integrysgroup.com	MERC (Holding)	700 North Adams P.O. Box 19001 Green Bay, WI 543079001	Electronic Service	No	GEN_SL_Minnesota Energy Resources Corporation (HOLDING)_Docket No. G011-MR-17-564
Ian	Dobson	Residential.Utilities@ag.state.mn.us	Office of the Attorney General-RUD	1400 BRM Tower 445 Minnesota St St. Paul, MN 551012130	Electronic Service	No	GEN_SL_Minnesota Energy Resources Corporation (HOLDING)_Docket No. G011-MR-17-564

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
Darcy	Fabrizius	Darcy.fabrizius@constellation.com	Constellation Energy	N21 W23340 Ridgeview Pkwy Waukesha, WI 53188	Electronic Service	No	GEN_SL_Minnesota Energy Resources Corporation (HOLDING)_Docket No. G011-MR-17-564
Sharon	Ferguson	sharon.ferguson@state.mn.us	Department of Commerce	85 7th Place E Ste 280 Saint Paul, MN 551012198	Electronic Service	No	GEN_SL_Minnesota Energy Resources Corporation (HOLDING)_Docket No. G011-MR-17-564
Daryll	Fuentes	dfuentes@usg.com	USG Corporation	550 W Adams St Chicago, IL 60661	Electronic Service	No	GEN_SL_Minnesota Energy Resources Corporation (HOLDING)_Docket No. G011-MR-17-564
Robert	Harding	robert.harding@state.mn.us	Public Utilities Commission	Suite 350 121 7th Place East St. Paul, MN 55101	Electronic Service	No	GEN_SL_Minnesota Energy Resources Corporation (HOLDING)_Docket No. G011-MR-17-564
Kimberly	Hellwig	kimberly.hellwig@stoel.com	Stoel Rives LLP	33 South Sixth Street Suite 4200 Minneapolis, MN 55402	Electronic Service	No	GEN_SL_Minnesota Energy Resources Corporation (HOLDING)_Docket No. G011-MR-17-564
Linda	Jensen	linda.s.jensen@ag.state.mn.us	Office of the Attorney General-DOC	1800 BRM Tower 445 Minnesota Street St. Paul, MN 551012134	Electronic Service	No	GEN_SL_Minnesota Energy Resources Corporation (HOLDING)_Docket No. G011-MR-17-564
Michael	Krikava	mkrikava@briggs.com	Briggs And Morgan, P.A.	2200 IDS Center 80 S 8th St Minneapolis, MN 55402	Electronic Service	No	GEN_SL_Minnesota Energy Resources Corporation (HOLDING)_Docket No. G011-MR-17-564
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