

September 1, 2022

BY ELECTRONIC MAIL

Luly E. Massaro, Commission Clerk
Rhode Island Public Utilities Commission
89 Jefferson Boulevard
Warwick, RI 02888

**RE: Docket 2022-20-NG – 2022 Gas Cost Recovery Filing
Responses to Division Data Requests – Set 1 (Complete Set)**

Dear Ms. Massaro:

I have enclosed an electronic version of Rhode Island Energy's¹ complete set of responses to the Rhode Island Division of Public Utilities and Carriers' ("Division") First Set of Data Requests in the above-referenced matter.

This transmittal includes the Company's response to Division 1-10. Bates Stamp has been applied.

The following data request responses and attachments contain confidential gas pricing, contract terms or counterparty identities: Division 1-3, 1-17, 1-23 and 1-29 and Attachments Division 1-1 and 1-24 (the "Confidential Responses"). Therefore, the Company has provided redacted and confidential versions of these responses and attachments and has requested confidential treatment pursuant to R.I. Gen. Laws § 38-2-2(4)(B) and Rule 810-RICR-00-00-1.3(H) of the PUC's Rules of Practice and Procedure. The Company has also provided confidential versions of these responses and attachments to the Division pursuant to a non-disclosure agreement.

¹ The Narragansett Electric Company d/b/a Rhode Island Energy ("Rhode Island Energy" or the "Company").

Robinson+Cole

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Thank you for your attention to this matter. If you have any questions, please contact me at 401-709-3359.

Very truly yours,

A handwritten signature in black ink, appearing to read 'S. Boyajian', with a stylized flourish at the end.

Steven J. Boyajian

Enclosures

cc: Docket No. 22-20-NG Service List
Al Mancini, Division (w/confidential versions)
Jerome D. Mierzwa, Division Consultant (w/confidential versions)

**STATE OF RHODE ISLAND
RHODE ISLAND PUBLIC UTILITIES COMMISSION**

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)	
2022 Gas Cost Recovery Filing)	Docket No. 2022-20-NG
)	
)	

**NATIONAL GRID’S MOTON FOR PROTECTIVE
TREATMENT OF CONFIDENTIAL INFORMATION**

Rhode Island Energy¹ respectfully requests that the Rhode Island Public Utilities Commission (“PUC”) grant protection from public disclosure certain confidential, competitively sensitive, and proprietary information submitted in this proceeding, as permitted by Rule 810-RICR-00-00-1.3(H) of the PUC’s Rules of Practice and procedure (“Rule 1.3(H)”) and R.I. Gen. Laws § 38-22(4)(B). The Company also requests that, pending entry of that finding, the PUC preliminarily grant the Company’s request for confidential treatment pursuant to Rule 1.3(H)(2).

I. BACKGROUND

On July 26, 2022, the Rhode Island Division of Public Utilities and Carriers (“Division”) served its first set of data requests upon the Company in this matter. On August 16, 2022 the Company responded to the Division’s first set of data requests². The following responses and attachments to responses to the Division’s first set of data requests contain certain confidential gas pricing information, counterparty names and contract terms: Responses 1-3, 1-17, 1-23, 1-29 and Attachments Division 1-1 and 1-24 (the “Confidential Responses”). In accordance with Rule

¹ The Narragansett Electric Company d/b/a Rhode Island Energy (“Rhode Island Energy” or the “Company”).

² The Company’s response does not include a response to Division Data Request 1-10. The Company sought and was granted a one week extension of time to respond to Division 1-10.

1.3(H)(3), the Company has provided redacted public versions and confidential unredacted versions of the Confidential Responses pursuant to Rule 1.3(H) except for Excel files which cannot be redacted without affecting other data within the file.

II. LEGAL STANDARD

Rule 1.3(H) provides that access to public records shall be granted in accordance with the Access to Public Records Act (APRA), R.I. Gen. Laws § 38-2-1, *et seq.* Under the APRA, all documents and materials submitted in connection with the transaction of official business by an agency is deemed to be a “public record,” unless the information contained in such documents and materials falls within one of the exceptions specifically identified in R.I. Gen. Laws § 38-2-2(4). To the extent that information provided to the PUC falls within one of the designated exceptions to the public records law, the PUC has the authority under the terms of APRA to deem such information as confidential and to protect that information from public disclosure.

In that regard, R.I. Gen. Laws § 38-2-2(4)(B) provides that the following types of records shall not be deemed public:

Trade secrets and commercial or financial information obtained from a person, firm, or corporation which is of a privileged or confidential nature.

The Rhode Island Supreme Court has held that this confidential information exemption applies where the disclosure of information would be likely either (1) to impair the government’s ability to obtain necessary information in the future; or (2) to cause substantial harm to the competitive position of the person from whom the information was obtained. *Providence Journal*, 774 A.2d 40 (R.I. 2001).

The first prong of the test is satisfied when information is provided to the governmental agency and that information is of a kind that would customarily not be released to the public by the person from whom it was obtained. *Providence Journal*, 774 A.2d at 47.

III. BASIS FOR CONFIDENTIALITY

The gas cost pricing information, contract terms and counterparty identities contained in the Confidential Responses are confidential and commercially sensitive information of the type that the Company would not ordinarily make public. As such, the information should be protected from public disclosure. Public disclosure of such information could impair Rhode Island Energy’s ability to obtain advantageous pricing or other terms from gas suppliers in the future, thereby causing substantial competitive harm to the Company. Further, any decision by suppliers to offer less favorable pricing to the Company in the future could ultimately have a negative impact on the Company’s customers. Accordingly, the Company requests that the PUC grant protective treatment of the Confidential Responses and that the PUC preliminarily grant the Company’s request for confidential treatment pursuant to Rule 1.3(H)(2) pending a final decision with respect to this motion.

IV. CONCLUSION

For the foregoing reasons, the Company respectfully requests that the PUC grant its Motion for Protective Treatment of Confidential Information.

[SIGNATURE ON NEXT PAGE]

Respectfully submitted,

**THE NARRAGANSETT ELECTRIC
COMPANY d/b/a RHODE ISLAND ENERGY**

By its attorney,

/s/ Steven J. Boyajian

Steven J. Boyajian, Esq. (#7263)

Robinson & Cole LLP

One Financial Plaza, 14th Floor

Providence, RI 02903

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Jennifer Brooks Hutchinson, Esq.

The Narragansett Electric Company

280 Melrose Street

Providence, RI 02907

Tel: (401) 784-7288

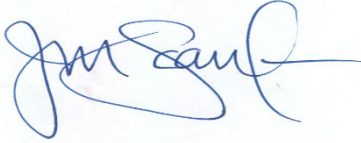
JHutchinson@pplweb.com

Dated: August 16, 2022

Certificate of Service

I hereby certify that a copy of the cover letter and any materials accompanying this certificate was electronically transmitted to the individuals listed below.

The paper copies of this filing are being hand delivered to the Rhode Island Public Utilities Commission and to the Rhode Island Division of Public Utilities and Carriers.



Joanne M. Scanlon

September 1, 2022
Date

Docket No. 22-20-NG – The Narragansett Electric Co. d/b/a Rhode Island Energy – 2022 Annual Gas Cost Recovery Filing (GCR) Service List as of 8/16/2022

Name/Address	E-mail	Phone
The Narragansett Electric Company d/b/d Rhode Island Energy Jennifer Brooks Hutchinson, Esq. 280 Melrose Street Providence, RI 02907	JHutchinson@pplweb.com ;	401-784-7288
	COBrien@pplweb.com ;	
	JScanlon@pplweb.com ;	
Steven Boyajian, Esq. Robinson & Cole LLP One Financial Plaza, 14 th Floor Providence, RI 02903	SBoyajian@rc.com ;	401-709-3337
	lpimentel@rc.com ;	
National Grid 40 Sylvan Road Waltham, MA 02541 Samara Jaffe Elizabeth Arangio Megan Borst Ryan Scheib John Protano Theodore Poe Michael Pini Shira Horowitz	Samara.Jaffe@nationalgrid.com ;	
	Elizabeth.Arangio@nationalgrid.com ;	
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Division of Public Utilities (DIV) Leo Wold, Esq. Dept. of Attorney General	Leo.Wold@dpuc.ri.gov ;	401-780-2177
	John.Bell@dpuc.ri.gov ;	
	Al.Mancini@dpuc.ri.gov ;	

150 South Main St. Providence, RI 02903	Margaret.L.Hogan@dpuc.ri.gov ; egolde@riag.ri.gov ;	
Jerome Mierzwa Exeter Associates, Inc. 10480 Little Patuxent Parkway, Suite 300 Columbia, MD 21044	jmierzwa@exeterassociates.com ;	
File an original & nine (9) copies w/: Luly E. Massaro, Commission Clerk Public Utilities Commission 89 Jefferson Blvd. Warwick, RI 02888	Luly.massaro@puc.ri.gov ; Patricia.lucarelli@puc.ri.gov ; Alan.nault@puc.ri.gov ; Todd.bianco@puc.ri.gov ; Emma.rodvien@puc.ri.gov ;	401-780-2107
Office of Energy Resources Christopher Kearns	Christopher.Kearns@energy.ri.gov ;	

Division 1-1

Request:

Please provide a complete *monthly* history of the Company's gas purchase activity for the period April 2021 through July 2022. Please provide the Company's response in Excel format. The history should include the following:

- a. Rates paid to each supplier and under each pipeline/contract/rate schedule by component (i.e., demand/reservation, variable, deliverability, capacity, injection/withdrawal, commodity, etc.), separately for firm and interruptible gas purchase, transportation, and storage transactions;
- b. The applicable quantity for each component identified in subpart (a);
- c. The applicable cost for each component identified in subpart (a);
- d. For each gas supply purchase, identify the transporting pipeline(s) and receipt and delivery points. Provide a key identifying pipeline receipt points by zone (e.g., TGP 4);
- e. For all gas supply purchases made under interruptible delivery arrangements, indicate whether transportation charges are incorporated within or are in addition to the commodity gas costs; and
- f. For gas supply purchases, identify the dates of flow.

Response:

See Confidential Attachment Division 1-1 for the requested information in parts (a) through (f), above.

The Narragansett Electric Company
d/b/a Rhode Island Energy
RIPUC Docket No. 22-20-NG
In Re: 2022 Annual Gas Cost Recovery Filing
Responses to the Division's First Set of Data Requests
Issued on July 26, 2022

Attachment Division 1-1

Please see the Excel version of Confidential Attachment Division 1-1

Division 1-2

Request:

Reference Exhibit 15, of the June 30, 2022 Long-Range Plan. Please update Exhibit 15 for any changes in Resources and provide a description of each change.

Response:

There are no updates to Exhibit 15, currently. The Company issued an RFP for Beverly Supply, Everett supply and Winter Liquid Supply. At the time of these data requests, the Company is in the process of evaluating bids and awarding contracts. The Company plans to incorporate these costs and supplies into the upcoming GCR filing on September 1, 2022.

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Division 1-3

Request:

For the peak day during the 2021/22 winter season, please identify:

- a. The date, average temperature, wind speed, average temperature on the prior day, and HDDs;
- b. Total sendout;
- c. Firm throughput;
- d. FT-1 capacity exempt transport throughput;
- e. FT-1 capacity assigned transport throughput;
- f. Estimated FT-2 transport throughput;
- g. Deliveries to the Company on behalf of FT-1 capacity exempt transportation customers;
- h. Deliveries to the Company on behalf of FT-1 and FT-2 capacity assigned customers (separately);
- i. Capacity resource quantity by type assigned to FT-1 and FT-2 capacity assigned customers/suppliers (separately);
- j. Deliveries to the Company by capacity resource;
- k. Gas supply deliveries to the Company by source and price; and
- l. Delivery and consumption of non-firm load.

Response:

a. Gas Day Date	January 15, 2022
a. Average Temperature	11 oF
a. Average Wind Speed	9 mph
a. Average Temperature (prior gas day)	25 oF
a. HDD	54
b. Total throughput	338,098 Dth
c. Firm throughput	338,098 Dth
d. FT-1 capacity exempt transport throughput	22,578 Dth

The Narragansett Electric Company
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Redacted
Division 1-3, page 2

e. FT-1 capacity assigned transport throughput	17,768 Dth										
f. FT-2 transport throughput	(not metered daily)										
g. Deliveries to the Company on behalf of FT-1 capacity exempt transportation customers	The Company does not have a breakdown of FT-1 deliveries by capacity-assigned and capacity-exempt; the marketer only nominates in total.										
h. Deliveries to the Company on behalf of FT-1 and FT-2 capacity assigned customers (separately)	Total FT-1 deliveries 43,262 Dth (see (g) above) Total FT-2 deliveries 36,472 Dth										
i. Capacity resource quantity by type assigned to FT-1 and FT-2 capacity assigned customers/suppliers (separately)	For January 2022: FT-1: 13,991 Dth pipeline FT-2: 24,447 Dth pipeline, 4,711 Dth storage, 15,833 Dth peaking.										
j. Deliveries to the Company by capacity resource	<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;"><u>Capacity Resource</u></th> <th style="text-align: center;"><u>Sales Deliveries</u></th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">Pipeline</td> <td style="text-align: right;">177,787</td> </tr> <tr> <td style="text-align: center;">Storage</td> <td style="text-align: right;">29,261</td> </tr> <tr> <td style="text-align: center;">Peaking/LNG</td> <td style="text-align: right;"><u>79,477</u></td> </tr> <tr> <td style="text-align: center;">Total</td> <td style="text-align: right;">286,525</td> </tr> </tbody> </table> <p>*Includes 315 Dth left out on the Company's Operational Balancing Agreement with Algonquin and Yankee Gas</p>	<u>Capacity Resource</u>	<u>Sales Deliveries</u>	Pipeline	177,787	Storage	29,261	Peaking/LNG	<u>79,477</u>	Total	286,525
<u>Capacity Resource</u>	<u>Sales Deliveries</u>										
Pipeline	177,787										
Storage	29,261										
Peaking/LNG	<u>79,477</u>										
Total	286,525										

The Narragansett Electric Company
d/b/a Rhode Island Energy
RIPUC Docket No. 22-20-NG
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Responses to the Division’s First Set of Data Requests
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Redacted
Division 1-3, page 3

k. Gas supply deliveries to the Company by source and price	<u>Source</u>	<u>Deliveries</u>	<u>Delivered Price</u>
	Transco, Leidy	72	
	Millennium, East receipts	7,130	
	Eastern South Point	523	
	TETCO, Zone M-2	32,275	
	Maumee - TCO, Appalachia	20,742	
	Transco, Leidy	1,152	
	Maumee - TCO, Appalachia	20,742	
	Broad Run - TCO, Appalachia	9,873	
	TETCO, Zone M-2	4,918	
	Transco, Leidy	1,152	
	TETCO, Zone M-2 (SCT)	1,701	
	TETCO, Zone M-3	2,283	
	TETCO, Leidy	3,764	
	Ramapo, Zone M-3	4,622	
	AIM - RAMAPO, Zone M-3	5,269	
	TETCO, Zone M-3 (SCT)	2,354	
	Algonquin, city-gates	1,000	
	Algonquin, city-gates	12,934	
	Zone 4 ConneXion	9,513	
	Zone 4	15,487	
	Zone 4	8,572	
	Niagara	1,067	
	Dawn, Ontario	23,577	
	Dawn, Ontario	999	
	Everett	19,960	
	Everett	4,990	
	AGT Storage	12,805	
	TGP Storage	10,836	
	TGP Swing-on-Storage	5,620	
	LNG	40,593	
		286,525	
l. Delivery and consumption of non-firm load	0 Dth		

Prepared by or under the supervision of: Theodore E. Poe, Jr., and Megan Borst
(Pursuant to the Transition Services Agreement)

Redacted
Division 1-3, page 4

The gas pricing information in this response is confidential. Accordingly, the Company is providing a redacted copy of this response along with an unredacted confidential version subject to a motion for protective treatment.

Division 1-4

Request:

Please provide monthly supply plans for each month of the winter of 2021/22.

Response:

Please see Attachment Division 1-4.

RI Page 1

RHODE ISLAND MONTHLY PLAN			
November 2021			
	<u>MIN DAY</u>	<u>AVG DAY</u>	<u>MAX DAY</u>
*4-Year Historical Sendout HDD	54,740 0	147,869 22	290,302 54
*All Sales and Transportation customers. No power plants.			
**Forecasted Sendout HDD	56,027 10	119,182 20	223,918 37
**Firm Sales and Transportation customers w/ NGRID Capacity.			
Forecasted Firm Transportation	13,298	24,132	42,717
Forecasted Sales Demand	42,729	95,050	181,201

Baseload Election - November 2021	
Volume per Day (MMBtu)	
Longhaul	<u>10,000</u>
TGP Total	10,000
Longhaul	<u>20,000</u>
AGT Total	20,000
Grand Total	30,000

ALGONQUIN									
AGT Transport Path	Receipt Point	Receipt Volumes	M2	M3	Seasonal CG Loss	City Gate Capacity	Net CG Deliveries	Baseload	Available Swing
Transco Leidy->AGT	Transco	73		73	0	72	72	72	0
Millen->Ramapo->AGT	Millennium	7,390		7,357		7,155	7,155	7,155	0
TETCO->AGT	M2	41,383	41,383	40,588	0	40,211	40,211	12,773	27,438
TCO->AGT	Maumee	23,078		22,707	(15,432)	7,064	7,064	0	7,064
TCO->AGT	Broad Run	10,163		10,000	0	9,907	9,907	0	9,907
DTI->TETCO FTS->AGT	Dom SP	536	526	519	0	514	514	0	514
Transco Leidy->AGT SCT	Transco	1,173		1,167	0	1,156	1,156	0	1,156
AGT	M3	4,159		4,159	0	4,120	4,120	0	4,120
RAMAPO->AGT	RAMAPO	7,775		7,775		7,562	7,562	0	7,562
Ramapo -> AGT	M3	7,455		7,455	(7,455)	0	0	0	0
Remaining AGT (SCT)	M3 (SCT)	2,801		2,801	(276)	2,775	2,775	0	2,775
AGT Citygate - Warren		1,000				1,000	1,000	0	1,000
AGT Citygate - Dey St	AGT CG	13,100				12,978	12,978	0	12,978
		120,086	Transport		(23,163)	94,514	94,514	20,000	74,514
AGT Storage Path	Receipt Point	In-Hole WDs	MDWQ	M3	Seasonal CG Loss	Storage Capacity			
GSS-TE 600045	EGTS GSS-TE	5,636	5,636	5,549	(1,935)	3,562	GSS-TE w/d only 5,549 @M3		
GSS 300169	EGTS GSS	2,061	2,061	2,021	(2,002)	0			
GSS 300171	EGTS GSS	2,617	2,617	2,583	(2,559)	0			
FSS 9630	TCO FSS	2,545	2,545	2,504	(2,481)	0			
FSS-1 400515	TETCO FSS	950	944	928	(919)	0			
SS-1 400185	TETCO SS1	677	665	665	(659)	0			
SS-1 400221	TETCO SS1	14,392	14,137	14,137	0	14,006			
				Storage	(10,555)	17,568			
				Total	(33,718)	112,082	Available AGT Swing 74,514		

TENNESSEE									
TGP Transport Path	Receipt Point	Receipt Volumes	At US Border	At TGP Inct		City Gate Capacity	Net CG Deliveries	Baseload	Available Swing
TGP ConnXion 4 --> 6	Z4 CXN	9,603				9,486	9,486	9,486	0
TGP 4 --> 6	Z4	24,285				23,989	23,989	514	23,475
TGP 5 --> 6	Niagara	1,076				1,067	1,067	0	1,067
Union>TrCan>Port>TGP	Dawn	24,322	23,756	23,927		23,927	23,927	0	23,927
Union>TrCan>IGT>TGP	Dawn	1,027	1,009	1,009		1,000	1,000	0	1,000
TGP 6 --> 6	Everett	0		0		0	0	0	0
TGP 6 --> 6	Dracut	0		0		0	0	0	0
TGP 6 --> 6	Everett	0		0		0	0	0	0
TGP 6 --> 6	Everett	25,050				25,000	25,000	0	25,000
TGP 6 --> 6	Dracut	16,139				16,139	16,139	0	16,139
		101,502	Transport			100,608	100,608	10,000	90,608
TGP Storage Path	Receipt Point	In-Hole WDs	MDWQ			City Gate Deliveries			
GSS 300168	EGTS GSS	1,401	1,401			1,384			
GSS 300170	EGTS GSS	5,324	5,324			5,156			
FSMA 62918	TGP FSMA	10,249	10,249			10,124			
FSMA 501	TGP FSMA	10,920	10,920			10,787			
Max storage transport of 10,836 on K#10807 -->				Storage		10,836			
				Total		111,444	Available TGP Swing 90,608		

RI Page 3

November 2021

Company	Field	Contract Number	Storage Capacity Quantity (Dth/Yr)	Current MDWQ (Dth/Day)	Current MDIQ (Dth/Day)	Physical Balance as of October 16 2021	Physical % Full	Paper % Full	W/D via
Narragansett	Eastern GSS-TE	600045	1,376,324	14,337	6,431	1,295,184	94%	95%	Tetco/AGT
Narragansett	Eastern GSS	300168	154,050	1,401	720	145,948	95%	94%	TGP
Narragansett	Eastern GSS	300169	206,100	2,061	963	189,404	92%	93%	DTI/Tetco/AGT
Narragansett	Eastern GSS	300170	490,340	5,324	2,291	469,446	96%	95%	DTI/TGP
Narragansett	Eastern GSS	300171	188,814	2,617	882	173,595	92%	93%	Tetco/AGT
Narragansett	Columbia FSS	9630	203,957	2,545	734	190,866	94%	93%	TCO/AGT
Narragansett	Texas Eastern FSS-1	400515	56,640	944	291	53,574	95%	94%	Tetco/AGT
Narragansett	Texas Eastern SS-1	400185	51,990	665	267	49,707	96%	95%	AGT
Narragansett	Texas Eastern SS-1	400221	1,188,033	14,137	6,107	1,137,369	96%	95%	AGT
Narragansett	Tennessee FS-MA	62918	210,000	10,249	1,400	192,706	92%	93%	TGP
Narragansett	Tennessee FS-MA	501	605,343	10,920	4,036	506,182	84%	83%	TGP

Storage Totals **4,731,591** **65,200** **24,122** **4,403,981** **93%** **93%**

Paper Storage WACOG:	AGT	\$ 2.42
	TGP	\$ 2.69

RI Page 1

RHODE ISLAND MONTHLY PLAN			
December 2021			
	<u>MIN DAY</u>	<u>AVG DAY</u>	<u>MAX DAY</u>
*4-Year Historical Sendout HDD	95,817 9	205,504 31	361,735 58
*All Sales and Transportation customers. No power plants.			
**Forecasted Sendout HDD	100,873 16	172,436 29	257,613 43
**Firm Sales and Transportation customers w/ NGRID Capacity.			
Forecasted Firm Transportation	20,012	31,344	44,339
Forecasted Sales Demand	80,861	141,092	213,274

Baseload Election - December 2021	
Volume per Day (MMBtu)	
Longhaul	<u>25,000</u>
TGP Total	25,000
Longhaul	<u>40,000</u>
AGT Total	40,000
Grand Total	65,000

Estimated Rhode Island Capacity Breakout for December 2021								
ALGONQUIN								
AGT Transport Path	Receipt Point	Receipt Volumes	M2	M3	City Gate Capacity	Net CG Deliveries	Baseload	Available Swing
Transco Leidy->AGT	Transco	73		73	72	72	72	0
TETCO->AGT	M2	41,383	41,383	40,588	40,211	40,211	39,928	283
Millen->Ramapo->AGT	Millennium	7,390		7,357	7,155	7,155	0	7,155
EGTS->TETCO FTS->AGT	EGTS SP	535	526	519	514	514	0	514
AGT	M3	3,747		3,747	3,712	3,712	0	3,712
Ramapo -> AGT	M3	7,455		7,455	6,097	6,097	0	6,097
TCO->AGT	Maumee	23,078		22,707	22,496	22,496	0	22,496
TCO->AGT	Broad Run	10,163		10,000	9,907	9,907	0	9,907
Transco Leidy->AGT SCT	Transco	1,173		1,167	1,156	1,156	0	1,156
RAMAPO->AGT	RAMAPO	7,775		7,775	7,562	7,562	0	7,562
Remaining AGT (SCT)	M3 (SCT)	2,979		2,979	2,951	2,951	0	2,951
AGT Citygate - Warren		1,000			1,000	1,000	0	1,000
AGT Citygate - Dey St	AGT CG	13,100			12,978	12,978	0	12,978
		119,851	Transport		115,811	115,811	40,000	75,811
AGT Storage Path	Receipt Point	In-Hole WDs	MDWQ	M3	Storage Capacity			
GSS-TE 600045	EGTS GSS-TE	5,636	5,636	5,549	5,497	GSS-TE w/d only 5,549 @M3		
GSS 300169	EGTS GSS	2,061	2,061	2,027	2,008			
GSS 300171	EGTS GSS	2,617	2,617	2,583	2,559			
FSS 9630	TCO FSS	2,545	2,545	2,504	2,481			
FSS-1 400515	TETCO FSS	950	944	928	919			
SS-1 400185	TETCO SS1	677	665	665	659			
SS-1 400221	TETCO SS1	14,392	14,137	14,137	14,006			
					Storage	28,129		
					Total	143,940	Available AGT Swing	75,811
TENNESSEE								
TGP Transport Path	Receipt Point	Receipt Volumes	At US Border	At TGP Inct	City Gate Capacity	Net CG Deliveries	Baseload	Available Swing
TGP ConnXion 4 --> 6	Z4 CXN	9,603			9,486	9,486	9,486	0
TGP 4 --> 6	Z4	24,285			23,989	23,989	15,514	8,475
TGP 5 --> 6	Niagara	1,076			1,067	1,067	0	1,067
Union>TrCan>Port>TGP	Dawn	24,324	23,756	23,119	23,119	23,119	0	23,119
Union>TrCan>IGT>TGP	Dawn	1,029	1,011	1,009	1,000	1,000	0	1,000
TGP 6 --> 6	Everett	20,000		20,000	19,960	19,960	0	19,960
TGP 6 --> 6	Dracut	15,000			15,000	15,000	0	15,000
TGP 6 --> 6	Everett	5,000		5,000	4,990	4,990	0	4,990
TGP 6 --> 6	Everett	50			50	50	0	50
TGP 6 --> 6	Dracut	1,947			1,947	1,947	0	1,947
		102,314	Transport		100,608	100,608	25,000	75,608
TGP Storage Path	Receipt Point	In-Hole WDs	MDWQ		City Gate Deliveries			
GSS 300168	EGTS GSS	1,401	1,401		1,384			
GSS 300170	EGTS GSS	5,324	5,324		5,171			
FSMA 62918	TGP FSMA	10,249	10,249		10,124			
FSMA 501	TGP FSMA	10,920	10,920		10,787			
Max storage transport of 10,836 on K#10807 -->					Storage	10,836		
					Total	111,444	Available TGP Swing	75,608

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December 2021

Company	Field	Contract Number	Storage Capacity Quantity (Dth/Yr)	Current MDWQ (Dth/Day)	Current MDIQ (Dth/Day)	Physical Balance as of November 13 2021	Physical % Full	Paper % Full	W/D via
Narragansett	Eastern GSS-TE	600045	1,376,324	14,337	6,431	1,287,884	94%	94%	Tetco/AGT
Narragansett	Eastern GSS	300168	154,050	1,401	720	150,223	98%	97%	TGP
Narragansett	Eastern GSS	300169	206,100	2,061	963	198,224	96%	97%	DTI/Tetco/AGT
Narragansett	Eastern GSS	300170	490,340	5,324	2,291	476,235	97%	96%	DTI/TGP
Narragansett	Eastern GSS	300171	188,814	2,617	882	181,530	96%	97%	Tetco/AGT
Narragansett	Columbia FSS	9630	203,957	2,545	340	199,746	98%	97%	TCO/AGT
Narragansett	Texas Eastern FSS-1	400515	56,640	944	291	55,537	98%	98%	Tetco/AGT
Narragansett	Texas Eastern SS-1	400185	51,990	665	267	51,119	98%	98%	AGT
Narragansett	Texas Eastern SS-1	400221	1,188,033	14,137	6,107	1,160,109	98%	97%	AGT
Narragansett	Tennessee FS-MA	62918	210,000	10,249	1,400	197,924	94%	95%	TGP
Narragansett	Tennessee FS-MA	501	605,343	10,920	4,036	509,910	84%	84%	TGP
Storage Totals			4,731,591	65,200	23,728	4,468,441	94%	94%	

Paper Storage WACOG:	AGT	\$ 2.57
	TGP	\$ 2.86

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RHODE ISLAND MONTHLY PLAN			
January 2022			
	<u>MIN DAY</u>	<u>AVG DAY</u>	<u>MAX DAY</u>
*4-Year Historical Sendout	80,259	228,696	388,576
HDD	4	34	68
*All Sales and Transportation customers. No power plants.			
**Forecasted Sendout	116,869	209,897	321,149
HDD	19	35	54
**Firm Sales and Transportation customers w/ NGRID Capacity.			
Forecasted Firm Transportation	21,868	35,797	50,361
Forecasted Sales Demand	95,001	174,100	270,788

Baseload Election - January 2022	
Volume per Day (MMBtu)	
Longhaul	<u>25,000</u>
TGP Total	25,000
Longhaul	<u>40,000</u>
AGT Total	40,000
Grand Total	65,000

Estimated Rhode Island Capacity Breakout for January 2022								
ALGONQUIN								
AGT Transport Path	Receipt Point	Receipt Volumes	M2	M3	City Gate Capacity	Net CG Deliveries	Baseload	Available Swing
Transco Leidy->AGT	Transco	73		73	72	72	72	0
Millen->Ramapo->AGT	Millennium	7,392		7,359	7,110	7,110	7,110	0
EGTS->TETCO FTS->AGT	EGTS SP	546	537	530	523	523	523	0
TETCO->AGT	M2	38,321	38,321	37,566	37,089	37,089	32,295	4,794
TCO->AGT	Maumee	23,083		22,712	22,424	22,424	0	22,424
TCO->AGT	Broad Run	10,163		10,000	9,873	9,873	0	9,873
Transco Leidy->AGT SCT	Transco	1,173		1,167	1,152	1,152	0	1,152
TETCO SCT -> AGT	M2 (SCT)	0	0	0	0	0	0	0
AGT	M3	7,134		7,134	7,043	7,043	0	7,043
Ramapo -> AGT	M3	7,455		7,455	6,098	6,098	0	6,098
RAMAPO->AGT	RAMAPO	7,877		7,877	7,611	7,611	0	7,611
TETCO Leidy-Dominion	TET-Leidy	0		0	0	0	0	0
TETCO -> AGT SCT	M2	0	0	0	0	0	0	0
TETCO SCT -> AGT SCT	M2 (SCT)	0	0	0	0	0	0	0
Remaining AGT (SCT)	M3 (SCT)	3,055		3,055	3,016	3,016	0	3,016
AGT Citygate - Warren		1,000			1,000	1,000	0	1,000
AGT Citygate - Dey St	AGT CG	13,145			12,978	12,978	0	12,978
		120,417	Transport		115,989	115,989	40,000	75,989
AGT Storage Path	Receipt Point	In-Hole WDs	MDWQ	M3	Storage Capacity			
GSS-TE 600045	EGTS GSS-TE	5,636	5,636	5,549	5,479	GSS-TE w/d only 5,549 @M3		
GSS 300169	EGTS GSS	2,061	2,061	2,027	2,001			
GSS 300171	EGTS GSS	2,617	2,617	2,583	2,550			
FSS 9630	TCO FSS	2,545	2,545	2,504	2,472			
FSS-1 400515	TETCO FSS	950	944	928	916			
SS-1 400185	TETCO SS1	675	665	665	657			
SS-1 400221	TETCO SS1	14,355	14,137	14,137	13,957			
					Storage	28,032		
					Total	144,021	Available AGT Swing	75,989
TENNESSEE								
TGP Transport Path	Receipt Point	Receipt Volumes	At US Border	At TGP Inct	City Gate Capacity	Net CG Deliveries	Baseload	Available Swing
TGP ConnXion 4 --> 6	Z4 CXN	9,603			9,486	9,486	9,486	0
TGP 4 --> 6	Z4	24,288			23,992	23,992	15,514	8,478
TGP 5 --> 6	Niagara	1,076			1,067	1,067	0	1,067
Union>TrCan>Port>TGP	Dawn	24,230	23,761	23,402	23,402	23,402	0	23,402
Union>TrCan>IGT>TGP	Dawn	1,024	1,011	1,009	1,000	1,000	0	1,000
TGP 6 --> 6	Everett	20,000		20,000	19,960	19,960	0	19,960
TGP 6 --> 6	Dracut	15,000			15,000	15,000	0	15,000
TGP 6 --> 6	Everett	5,000		5,000	4,990	4,990	0	4,990
TGP 6 --> 6	Everett	50			50	50	0	50
TGP 6 --> 6	Dracut	1,672			1,672	1,672	0	1,672
		101,943	Transport		100,619	100,619	25,000	75,619
TGP Storage Path	Receipt Point	In-Hole WDs	MDWQ		City Gate Deliveries			
GSS 300168	EGTS GSS	1,401	1,401		1,384			
GSS 300170	EGTS GSS	5,324	5,324		5,171			
FSMA 62918	TGP FSMA	10,249	10,249		10,124			
FSMA 501	TGP FSMA	10,920	10,920		10,787			
Max storage transport of 10,836 on K#10807 -->					Storage	10,836		
					Total	111,455	Available TGP Swing	75,619

*using December 2021's Customer Choice Volumes

January 2022

Company	Field	Contract Number	Storage Capacity Quantity (Dth/Yr)	Current MDWQ (Dth/Day)	Current MDIQ (Dth/Day)	Physical Balance as of December 13 2021	Physical % Full	Paper % Full	W/D via
Narragansett	Eastern GSS-TE	600045	1,376,324	14,337	6,431	1,167,134	85%	85%	Tetco/AGT
Narragansett	Eastern GSS	300168	154,050	1,401	720	136,285	88%	88%	TGP
Narragansett	Eastern GSS	300169	206,100	2,061	963	179,675	87%	88%	DTI/Tetco/AGT
Narragansett	Eastern GSS	300170	490,340	5,324	2,291	438,599	89%	89%	DTI/TGP
Narragansett	Eastern GSS	300171	188,814	2,617	882	160,594	85%	86%	Tetco/AGT
Narragansett	Columbia FSS	9630	203,957	2,545	680	184,476	90%	90%	TCO/AGT
Narragansett	Texas Eastern FSS-1	400515	56,640	944	291	51,965	92%	91%	Tetco/AGT
Narragansett	Texas Eastern SS-1	400185	51,990	665	267	48,260	93%	92%	AGT
Narragansett	Texas Eastern SS-1	400221	1,188,033	14,137	6,107	1,107,257	93%	92%	AGT
Narragansett	Tennessee FS-MA	62918	210,000	10,249	1,400	173,781	83%	84%	TGP
Narragansett	Tennessee FS-MA	501	605,343	10,920	4,036	467,898	77%	77%	TGP
Storage Totals			4,731,591	65,200	24,068	4,115,924	87%	87%	

Paper Storage WACOG:	AGT	\$ 2.61
	TGP	\$ 2.92

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RHODE ISLAND MONTHLY PLAN			
February 2022			
	<u>MIN DAY</u>	<u>AVG DAY</u>	<u>MAX DAY</u>
*4-Year Historical Sendout	93,840	206,865	324,587
HDD	8	30	49
*All Sales and Transportation customers. No power plants.			
**Forecasted Sendout	118,172	203,751	288,756
HDD	17	34	49
**Firm Sales and Transportation customers w/ NGRID Capacity.			
Forecasted Firm Transportation	21,187	33,350	44,034
Forecasted Sales Demand	96,985	170,401	244,722

Baseload Election - February 2022	
Volume per Day (MMBtu)	
Longhaul	<u>25,000</u>
TGP Total	25,000
Longhaul	<u>40,000</u>
AGT Total	40,000
Grand Total	65,000

Estimated Rhode Island Capacity Breakout for February 2022

ALGONQUIN								
AGT Transport Path	Receipt Point	Receipt Volumes	M2	M3	City Gate Capacity	Net CG Deliveries	Baseload	Available Swing
Transco Leidy->AGT	Transco	73		73	72	72	72	0
Millen->Ramapo->AGT	Millennium	7,412		7,379	7,130	7,130	7,130	0
EGTS->TETCO FTS->AGT	EGTS SP	546	537	530	523	523	523	0
TETCO->AGT	M2	38,428	38,428	37,671	37,193	37,193	32,275	4,918
TCO->AGT	Maumee	23,175		22,802	22,512	22,512	0	22,512
TCO->AGT	Broad Run	10,163		10,000	9,873	9,873	0	9,873
Transco Leidy->AGT SCT	Transco	1,173		1,167	1,152	1,152	0	1,152
TETCO SCT -> AGT	M2 (SCT)	1,758	1,758	1,723	1,701	1,701	0	1,701
AGT	M3	5,437		5,437	5,368	5,368	0	5,368
Ramapo -> AGT	M3	7,455		7,455	6,115	6,115	0	6,115
RAMAPO->AGT	RAMAPO	7,898		7,898	7,631	7,631	0	7,631
TETCO Leidy-Dominion	TET-Leidy	0		0	0	0	0	0
TETCO -> AGT SCT	M2	0	0	0	0	0	0	0
TETCO SCT -> AGT SCT	M2 (SCT)	0	0	0	0	0	0	0
Remaining AGT (SCT)	M3 (SCT)	3,061		3,061	3,022	3,022	0	3,022
AGT Citygate - Warren		1,000			1,000	1,000	0	1,000
AGT Citygate - Dey St	AGT CG	13,100			12,934	12,934	0	12,934
		120,679	Transport		116,226	116,226	40,000	76,226
AGT Storage Path	Receipt Point	In-Hole WDs	MDWQ	M3	Storage Capacity			
GSS-TE 600045	EGTS GSS-TE	5,636	5,636	5,549	5,479	GSS-TE w/d only 5,549 @M3		
GSS 300169	EGTS GSS	2,061	2,061	2,027	2,001			
GSS 300171	EGTS GSS	2,617	2,617	2,583	2,550			
FSS 9630	TCO FSS	2,545	2,545	2,504	2,472			
FSS-1 400515	TETCO FSS	950	944	928	916			
SS-1 400185	TETCO SS1	675	665	665	657			
SS-1 400221	TETCO SS1	14,355	14,137	14,137	13,957			
					Storage	28,032		
					Total	144,258	Available AGT Swing	76,226

TENNESSEE								
TGP Transport Path	Receipt Point	Receipt Volumes	At US Border	At TGP Inct	City Gate Capacity	Net CG Deliveries	Baseload	Available Swing
TGP ConnXion 4 --> 6	Z4 CXN	9,630			9,513	9,513	9,513	0
TGP 4 --> 6	Z4	24,356			24,059	24,059	15,487	8,572
TGP 5 --> 6	Niagara	1,076			1,067	1,067	0	1,067
Union>TrCan>Port>TGP	Dawn	24,513	23,827	23,577	23,577	23,577	0	23,577
Union>TrCan>IGT>TGP	Dawn	1,035	1,012	1,008	999	999	0	999
TGP 6 --> 6	Everett	20,000		20,000	19,960	19,960	0	19,960
TGP 6 --> 6	Dracut	15,000			15,000	15,000	0	15,000
TGP 6 --> 6	Everett	5,000		5,000	4,990	4,990	0	4,990
TGP 6 --> 6	Everett	50			50	50	0	50
TGP 6 --> 6	Dracut	1,609			1,609	1,609	0	1,609
		102,269	Transport		100,824	100,824	25,000	75,824
TGP Storage Path	Receipt Point	In-Hole WDs	MDWQ		City Gate Deliveries			
GSS 300168	EGTS GSS	1,401	1,401		1,384			
GSS 300170	EGTS GSS	5,324	5,324		5,171			
FSMA 62918	TGP FSMA	10,249	10,249		10,124			
FSMA 501	TGP FSMA	10,920	10,920		10,787			
Max storage transport of 10,836 on K#10807 -->					Storage	10,836		
					Total	111,660	Available TGP Swing	75,824

* currently using January 2022 Customer Choice volumes and rates.

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February 2022

Company	Field	Contract Number	Storage Capacity Quantity (Dth/Yr)	Current MDWQ (Dth/Day)	Current MDIQ (Dth/Day)	Physical Balance as of January 16 2022	Physical % Full	Paper % Full	W/D via
Narragansett	Eastern GSS-TE	600045	1,376,324	14,337	6,431	1,046,227	76%	77%	Tetco/AGT
Narragansett	Eastern GSS	300168	154,050	1,401	720	114,956	75%	75%	TGP
Narragansett	Eastern GSS	300169	206,100	2,061	963	140,690	68%	68%	DTI/Tetco/AGT
Narragansett	Eastern GSS	300170	490,340	5,324	2,291	377,489	77%	76%	DTI/TGP
Narragansett	Eastern GSS	300171	188,814	2,617	882	114,323	61%	62%	Tetco/AGT
Narragansett	Columbia FSS	9630	203,957	2,545	816	147,116	72%	71%	TCO/AGT
Narragansett	Texas Eastern FSS-1	400515	56,640	944	291	48,102	85%	84%	Tetco/AGT
Narragansett	Texas Eastern SS-1	400185	51,990	665	267	46,064	89%	88%	AGT
Narragansett	Texas Eastern SS-1	400221	1,188,033	14,137	6,107	1,035,571	87%	86%	AGT
Narragansett	Tennessee FS-MA	62918	210,000	10,249	1,400	145,496	69%	70%	TGP
Narragansett	Tennessee FS-MA	501	605,343	10,920	4,036	474,920	78%	78%	TGP
Storage Totals			4,731,591	65,200	24,204	3,690,954	78%	78%	

Paper Storage WACOG:	AGT	\$ 2.67
	TGP	\$ 3.05

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RHODE ISLAND MONTHLY PLAN			
March 2022			
	<u>MIN DAY</u>	<u>AVG DAY</u>	<u>MAX DAY</u>
*4-Year Historical Sendout HDD	80,610 7	171,929 25	292,274 47
*All Sales and Transportation customers. No power plants.			
**Forecasted Sendout HDD	92,408 14	157,369 26	238,862 40
**Firm Sales and Transportation customers w/ NGRID Capacity.			
Forecasted Firm Transportation	17,592	27,825	40,219
Forecasted Sales Demand	74,816	129,544	198,643

Baseload Election - March 2022	
Volume per Day (MMBtu)	
Longhaul	<u>20,000</u>
TGP Total	20,000
Longhaul	<u>30,000</u>
AGT Total	30,000
Grand Total	50,000

Providence HDDs

Degree Days	Normal	Design	Actual	vs. Normal	vs. Design	Days
Nov-20	610	697	477	-22%	-32%	30
Dec-20	892	1,040	891	0%	-14%	31
Jan-21	1,083	1,250	1,030	-5%	-18%	31
Feb-21	946	1,091	903	-5%	-17%	28
Mar-21	812	942	742	-9%	-21%	31

Degree Days	Normal	Design	Actual	vs. Normal	vs. Design	Days
Nov-21	610	697	647	6%	-7%	30
Dec-21	892	1,040	746	-16%	-28%	31
Jan-22	1,083	1,250	1,148	6%	-8%	31
Feb-22	439	507	390	-11%	-23%	13
Mar-22	0	0	0			0

Degree Days	Normal	Design	Actual	vs. Normal	vs. Design
Winter 2020	4,343	5,020	4,043	-7%	-19%

Degree Days	Normal	Design	Actual	vs. Normal	vs. Design
Winter 2021	3,024	3,494	2,931	-3%	-16%

Estimated Rhode Island Capacity Breakout for March 2022

ALGONQUIN								
AGT Transport Path	Receipt Point	Receipt Volumes	M2	M3	City Gate Capacity	Net CG Deliveries	Baseload	Available Swing
Transco Leidy->AGT	Transco	73		73	72	72	72	0
EGTS->TETCO FTS->AGT	EGTS SP	546	537	530	523	523	523	0
Millen->Ramapo->AGT	Millennium	7,428		7,395	7,145	7,145	7,145	0
TETCO->AGT	M2	38,510	38,510	37,751	37,272	37,272	22,260	15,012
TCO->AGT	Maumee	23,248		22,874	22,584	22,584	0	22,584
TCO->AGT	Broad Run	10,163		10,000	9,873	9,873	0	9,873
Transco Leidy->AGT SCT	Transco	1,173		1,167	1,152	1,152	0	1,152
TETCO SCT -> AGT	M2 (SCT)	1,758	1,758	1,723	1,701	1,701	0	1,701
AGT	M3	5,457		5,457	5,388	5,388	0	5,388
Ramapo -> AGT	M3	7,455		7,455	6,127	6,127	0	6,127
RAMAPO->AGT	RAMAPO	7,916		7,916	7,648	7,648	0	7,648
TETCO Leidy-Dominion	TET-Leidy	0		0	0	0	0	0
TETCO -> AGT SCT	M2	0	0	0	0	0	0	0
TETCO SCT -> AGT SCT	M2 (SCT)	0	0	0	0	0	0	0
Remaining AGT (SCT)	M3 (SCT)	3,064		3,064	3,025	3,025	0	3,025
AGT Citygate - Warren		1,000			1,000	1,000	0	1,000
AGT Citygate - Dey St	AGT CG	13,100			12,934	12,934	0	12,934
		120,891	Transport		116,444	116,444	30,000	86,444
AGT Storage Path	Receipt Point	In-Hole WDs	MDWQ	M3	Storage Capacity			
GSS-TE 600045	EGTS GSS-TE	5,636	5,636	5,549	5,479	GSS-TE w/d only 5,549 @M3		
GSS 300169	EGTS GSS	2,061	2,061	2,027	2,001			
GSS 300171	EGTS GSS	2,617	2,617	2,583	2,550			
FSS 9630	TCO FSS	2,545	2,545	2,504	2,472			
FSS-1 400515	TETCO FSS	950	944	928	916			
SS-1 400185	TETCO SS1	675	665	665	657			
SS-1 400221	TETCO SS1	14,355	14,137	14,137	13,957			
					Storage 28,032			
					Total 144,476	Available AGT Swing	86,444	

TENNESSEE								
TGP Transport Path	Receipt Point	Receipt Volumes	At US Border	At TGP Inct	City Gate Capacity	Net CG Deliveries	Baseload	Available Swing
TGP ConnXion 4 --> 6	Z4 CXN	9,651			9,533	9,533	9,533	0
TGP 4 --> 6	Z4	24,410			24,112	24,112	10,467	13,645
TGP 5 --> 6	Niagara	1,076			1,067	1,067	0	1,067
Union>TrCan>Port>TGP	Dawn	24,530	23,878	23,686	23,686	23,686	0	23,686
Union>TrCan>IGT>TGP	Dawn	1,033	1,012	1,007	998	998	0	998
TGP 6 --> 6	Everett	20,000		20,000	19,960	19,960	0	19,960
TGP 6 --> 6	Dracut	15,000			15,000	15,000	0	15,000
TGP 6 --> 6	Everett	5,000		5,000	4,990	4,990	0	4,990
TGP 6 --> 6	Everett	50			50	50	0	50
TGP 6 --> 6	Dracut	1,586			1,586	1,586	0	1,586
		102,336	Transport		100,982	100,982	20,000	80,982
TGP Storage Path	Receipt Point	In-Hole WDs	MDWQ		City Gate Deliveries			
GSS 300168	EGTS GSS	1,401	1,401		1,384			
GSS 300170	EGTS GSS	5,324	5,324		5,171			
FSMA 62918	TGP FSMA	10,249	10,249		10,124			
FSMA 501	TGP FSMA	10,920	10,920		10,787			
					Storage 10,836			
					Total 111,818	Available TGP Swing	80,982	

* currently using February 2022 Customer Choice volumes and rates.

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February 2022

Company	Field	Contract Number	Storage Capacity Quantity (Dth/Yr)	Current MDWQ (Dth/Day)	Current MDIQ (Dth/Day)	Physical Balance as of February 13 2022	Physical % Full	Paper % Full	W/D via
Narragansett	Eastern GSS-TE	600045	1,376,324	14,337	6,431	946,533	69%	69%	Tetco/AGT
Narragansett	Eastern GSS	300168	154,050	1,401	720	95,246	62%	62%	TGP
Narragansett	Eastern GSS	300169	206,100	2,061	963	108,094	52%	53%	DTI/Tetco/AGT
Narragansett	Eastern GSS	300170	490,340	5,324	2,291	299,420	61%	60%	DTI/TGP
Narragansett	Eastern GSS	300171	188,814	2,617	1,049	72,245	38%	39%	Tetco/AGT
Narragansett	Columbia FSS	9630	203,957	2,545	816	104,666	51%	50%	TCO/AGT
Narragansett	Texas Eastern FSS-1	400515	56,640	944	291	34,592	61%	61%	Tetco/AGT
Narragansett	Texas Eastern SS-1	400185	51,990	665	267	36,017	69%	69%	AGT
Narragansett	Texas Eastern SS-1	400221	1,188,033	14,137	6,107	911,158	77%	76%	AGT
Narragansett	Tennessee FS-MA	62918	210,000	10,249	1,400	120,735	57%	58%	TGP
Narragansett	Tennessee FS-MA	501	605,343	10,920	4,036	507,233	84%	83%	TGP
Storage Totals			4,731,591	65,200	24,371	3,235,939	68%	68%	

Paper Storage WACOG:	AGT	\$ 2.69
	TGP	\$ 3.10

Division 1-5

Request:

Please identify the current Company fuel allowance percentage assessed to transportation customers for company-use and lost-and-unaccounted-for gas and explain how the charge is determined and when it is updated. Please explain whether any transportation customers receive a discount to the generally applicable Company fuel allowance.

Response:

The Company's current fuel allowance percentage is 3.04% and is available on its external website.¹ This percentage is updated annually on November 1 by comparing the Company's aggregated wholesale throughput at its city gates to the aggregated retail throughput at its customers' meters for the 12-month period September through August. The Company then averages the most recent five years fuel allowance percentages to calculate the fuel allowance to be applied in the upcoming GCR year (November – October).

The Company does not assess the Company fuel allowance to transportation customer directly but instead assesses the fuel allowance percentage on marketer nominations at the Company's city gate, with the 'net' volume delivered to transportation customers' service locations. There are no discounts to the generally applicable Company fuel allowance provided to marketers, and the Company is not aware of how marketers pass on the cost of the allowance to their customers.

¹ https://www.rienergy.com/media/ri-energy/pdfs/billing-and-payments/rie6164_rigas_firm_rates.pdf

Division 1-6

Request:

Please update the response to DIV 1-10 in Docket No. 5180 as applicable.

Response:

For the requested updated information, please refer to the Company's responses to Data Requests Division 1-1, Division 1-7, and Division 1-12.

Division 1-6 (Supplemental)

Request:

Please identify the probability of occurrence of the design day and design year utilized by the Company's affiliate Louisville Gas and Electric for gas supply planning purposes. Indicate whether design day and design year criteria have been approved by the Kentucky Commission.

Response:

The number of heating degree days ("HDDs") in the design year for Louisville Gas & Electric Company ("LG&E) is computed as the greater of (a) the maximum number of winter season HDDs that actually occurred over the last 50 years and (b) the 98th percentile from a normal distribution based on the winter season HDDs from 1961 to 2021. Because LG&E has significant amounts of underground storage, the winter is broken into half-month segments and a design day is computed for each segment. The number of HDDs in the design day for each segment is computed as the greater of (a) the maximum number of daily HDDs that actually occurred over the last 50 years and (b) the 98th percentile from a generalized extreme value distribution based on the maximum daily HDDs in each year since 1961. The probability of occurrence for LG&E's design year is approximately 1 in 50.

The Kentucky Public Service Commission does not require LG&E to submit its design day and design year criteria for approval.

Supplemental Response:

The number of heating degree days ("HDDs") in the design year for Louisville Gas & Electric Company ("LG&E) is computed as the greater of (a) the maximum number of winter season HDDs that actually occurred over the last 50 years and (b) the 98th percentile from a normal distribution based on the winter season HDDs from 1961 to 2021. Because LG&E has significant amounts of underground storage, the winter is broken into half-month segments and a design day is computed for each segment. The number of HDDs in the design day for each segment is computed as the greater of (a) the maximum number of daily HDDs that actually occurred over the last 50 years and (b) the 98th percentile from a generalized extreme value distribution based on the maximum daily HDDs in each year since 1961. The probability of occurrence for LG&E's design year is approximately 1 in 50. LG&E has not calculated a probability of occurrence for its design day that is comparable to the probability used in Rhode Island.

The Kentucky Public Service Commission does not require LG&E to submit its design day and design year criteria for approval.

Division 1-7

Request:

Please provide a first-of-the month and daily index price for the period April 2021 through July 2022 for each pipeline point location the Company purchased gas at any time during the period April 2021 through July 2022.

Response:

Please see Attachment Division 1-7 for first-of-the month and daily index price for the period April 2021 through July 2022 for each pipeline point location at which the Company purchased gas.

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	
1	Source: Platt's Gas Daily Midpoint Pricing (GDD or GDA), used as a basis for daily purchases.																			
2	DATE	GDA.HH	DTLSP	TCO	Dawn_On	DRACUT	TGP_Z0	IROQUOIS	NIAGARA	500.leg	800.leg	TETCOM.M3	AGT.CG	TGP_Z6	ELA	ETX	STX	WLA	TETCOM.M2	
3	04/01/21	\$2.485	\$2.115	\$2.285	\$2.475	\$0.000	\$2.405	\$2.590	\$2.470	\$2.505	\$2.470	\$2.375	\$2.535	\$2.670	\$2.355	\$2.340	\$2.505	\$2.510	\$2.230	
4	04/02/21	\$2.470	\$1.990	\$2.085	\$2.470	\$0.000	\$2.325	\$2.495	\$2.200	\$2.465	\$2.355	\$2.120	\$2.255	\$2.500	\$2.265	\$2.350	\$2.470	\$2.445	\$2.010	
5	04/03/21	\$2.470	\$1.990	\$2.085	\$2.470	\$0.000	\$2.325	\$2.495	\$2.200	\$2.465	\$2.355	\$2.120	\$2.255	\$2.500	\$2.265	\$2.350	\$2.470	\$2.445	\$2.010	
6	04/04/21	\$2.470	\$1.990	\$2.085	\$2.470	\$0.000	\$2.325	\$2.495	\$2.200	\$2.465	\$2.355	\$2.120	\$2.255	\$2.500	\$2.265	\$2.350	\$2.470	\$2.445	\$2.010	
7	04/05/21	\$2.470	\$1.990	\$2.085	\$2.470	\$0.000	\$2.325	\$2.495	\$2.200	\$2.465	\$2.355	\$2.120	\$2.255	\$2.500	\$2.265	\$2.350	\$2.470	\$2.445	\$2.010	
8	04/06/21	\$2.365	\$1.725	\$1.890	\$2.360	\$0.000	\$2.280	\$2.320	\$1.995	\$2.330	\$2.195	\$2.175	\$1.930	\$2.180	\$2.190	\$2.190	\$2.360	\$2.360	\$1.700	
9	04/07/21	\$2.360	\$1.785	\$1.940	\$2.360	\$0.000	\$2.310	\$2.310	\$2.050	\$2.360	\$2.300	\$1.860	\$2.000	\$2.120	\$2.335	\$2.255	\$2.415	\$2.390	\$1.790	
10	04/08/21	\$2.380	\$1.795	\$2.035	\$2.355	\$0.000	\$2.235	\$2.290	\$1.980	\$2.365	\$2.265	\$1.885	\$1.920	\$2.045	\$2.205	\$2.310	\$2.430	\$2.390	\$1.770	
11	04/09/21	\$2.395	\$1.740	\$1.995	\$2.380	\$0.000	\$2.355	\$2.085	\$1.775	\$2.360	\$2.250	\$1.770	\$1.795	\$1.790	\$2.165	\$2.320	\$2.405	\$2.375	\$1.705	
12	04/10/21	\$2.420	\$1.645	\$1.980	\$2.415	\$0.000	\$2.265	\$1.885	\$1.750	\$2.360	\$2.335	\$1.665	\$1.775	\$1.910	\$2.195	\$2.290	\$2.435	\$2.420	\$1.610	
13	04/11/21	\$2.420	\$1.645	\$1.980	\$2.415	\$0.000	\$2.265	\$1.885	\$1.750	\$2.360	\$2.335	\$1.665	\$1.775	\$1.910	\$2.195	\$2.290	\$2.435	\$2.420	\$1.610	
14	04/12/21	\$2.420	\$1.645	\$1.980	\$2.415	\$0.000	\$2.265	\$1.885	\$1.750	\$2.360	\$2.335	\$1.665	\$1.775	\$1.910	\$2.195	\$2.290	\$2.435	\$2.420	\$1.610	
15	04/13/21	\$2.450	\$1.725	\$2.140	\$2.445	\$0.000	\$2.435	\$2.465	\$1.950	\$2.430	\$2.405	\$1.810	\$1.940	\$2.195	\$2.295	\$2.365	\$2.520	\$2.485	\$1.685	
16	04/14/21	\$2.540	\$1.885	\$2.170	\$2.505	\$0.000	\$2.570	\$2.430	\$2.150	\$2.530	\$2.495	\$1.990	\$2.065	\$2.215	\$2.300	\$2.450	\$2.620	\$2.520	\$1.870	
17	04/15/21	\$2.595	\$2.050	\$2.230	\$2.530	\$0.000	\$2.575	\$2.580	\$2.160	\$2.550	\$2.475	\$2.210	\$2.355	\$2.605	\$2.505	\$2.500	\$2.680	\$2.555	\$2.105	
18	04/16/21	\$2.570	\$2.055	\$2.225	\$2.535	\$0.000	\$2.535	\$2.615	\$2.330	\$2.535	\$2.510	\$2.180	\$3.170	\$3.080	\$2.490	\$2.490	\$2.660	\$2.555	\$2.090	
19	04/17/21	\$2.605	\$2.125	\$2.270	\$2.565	\$0.000	\$2.630	\$2.600	\$2.410	\$2.570	\$2.560	\$2.270	\$2.865	\$2.625	\$2.495	\$2.550	\$2.735	\$2.595	\$2.210	
20	04/18/21	\$2.605	\$2.125	\$2.270	\$2.565	\$0.000	\$2.630	\$2.600	\$2.410	\$2.570	\$2.560	\$2.270	\$2.865	\$2.625	\$2.495	\$2.550	\$2.735	\$2.595	\$2.210	
21	04/19/21	\$2.605	\$2.125	\$2.270	\$2.565	\$0.000	\$2.630	\$2.600	\$2.410	\$2.570	\$2.560	\$2.270	\$2.865	\$2.625	\$2.495	\$2.550	\$2.735	\$2.595	\$2.210	
22	04/20/21	\$2.680	\$2.150	\$2.285	\$2.615	\$0.000	\$2.725	\$2.560	\$2.450	\$2.650	\$2.585	\$2.290	\$2.445	\$2.380	\$2.605	\$2.650	\$2.770	\$2.650	\$2.190	
23	04/21/21	\$2.685	\$2.290	\$2.360	\$2.650	\$0.000	\$2.670	\$2.705	\$2.600	\$2.675	\$2.585	\$2.460	\$2.605	\$2.655	\$2.585	\$2.620	\$2.745	\$2.670	\$2.345	
24	04/22/21	\$2.650	\$2.320	\$2.355	\$2.610	\$0.000	\$2.640	\$2.725	\$2.600	\$2.625	\$2.580	\$2.505	\$3.135	\$4.115	\$2.600	\$2.570	\$2.715	\$2.655	\$2.360	
25	04/23/21	\$2.670	\$2.085	\$2.320	\$2.610	\$0.000	\$2.690	\$2.655	\$2.400	\$2.635	\$2.595	\$2.200	\$2.465	\$2.410	\$2.650	\$2.620	\$2.755	\$2.700	\$2.105	
26	04/24/21	\$2.705	\$2.085	\$2.330	\$2.615	\$0.000	\$2.645	\$2.340	\$2.260	\$2.670	\$2.625	\$2.175	\$2.160	\$2.190	\$2.675	\$2.630	\$2.765	\$2.700	\$2.105	
27	04/25/21	\$2.705	\$2.085	\$2.330	\$2.615	\$0.000	\$2.645	\$2.340	\$2.260	\$2.670	\$2.625	\$2.175	\$2.160	\$2.190	\$2.675	\$2.630	\$2.765	\$2.700	\$2.105	
28	04/26/21	\$2.705	\$2.085	\$2.330	\$2.615	\$0.000	\$2.645	\$2.340	\$2.260	\$2.670	\$2.625	\$2.175	\$2.160	\$2.190	\$2.675	\$2.630	\$2.765	\$2.700	\$2.105	
29	04/27/21	\$2.685	\$2.180	\$2.335	\$2.610	\$0.000	\$2.580	\$2.620	\$2.285	\$2.650	\$2.615	\$2.325	\$2.600	\$2.620	\$2.575	\$2.600	\$2.810	\$2.700	\$2.215	
30	04/28/21	\$2.845	\$2.240	\$2.415	\$2.710	\$0.000	\$2.780	\$2.645	\$2.360	\$2.780	\$2.765	\$2.350	\$2.525	\$2.650	\$2.765	\$2.735	\$2.935	\$2.830	\$2.245	
31	04/29/21	\$2.930	\$2.240	\$2.500	\$2.765	\$0.000	\$2.845	\$2.800	\$2.450	\$2.865	\$2.800	\$2.300	\$2.465	\$2.680	\$2.840	\$2.820	\$3.045	\$2.900	\$2.200	
32	04/30/21	\$2.845	\$2.210	\$2.385	\$2.695	\$0.000	\$2.790	\$2.695	\$2.495	\$2.815	\$2.750	\$2.325	\$2.400	\$2.535	\$2.780	\$2.390	\$2.945	\$2.820	\$2.210	
33																				
34																				
35																				
36	Source: Platt's Inside FERC's Gas Market Report (First of Month Pricing), used as a basis for monthly purchases. * NYMEX settle.																			
37	DATE	NYMEX*	Dom.SP	TCO	Dawn	Leidy.Hub	TGP_Z0	IGT-Repis	NIAGARA	500.leg	800.leg	M3	AGT.CG	TGP_Z6	ELA	ETX	STX	WLA	M2	
38	Apr-21	\$2.586	\$1.910	\$2.120	\$2.450	\$1.790	\$2.440	\$2.440	\$2.260	\$2.520	\$2.480	\$2.000	\$2.250	\$2.230	\$2.340	\$2.380	\$2.530	\$2.520	\$1.880	
39	Basis	N/A	(\$0.676)	(\$0.466)	(\$0.136)	(\$0.796)	(\$0.146)	(\$0.146)	(\$0.326)	(\$0.066)	(\$0.106)	(\$0.586)	(\$0.356)	(\$0.356)	(\$0.246)	(\$0.206)	(\$0.056)	(\$0.066)	(\$0.706)	

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	
1 Source: Platt's Gas Daily Midpoint Pricing (GDD or GDA), used as a basis for daily purchases.																			
2	DATE	GDA.HH	DTLSP	TCO	Dawn.On	DRACUT	TGP.Z0	IROQUOIS	NIAGARA	500.leg	800.leg	TETCOM.3	AGT.CG	TGP.Z6	ELA	ETX	STX	WLA	TETCOM.2
3	05/01/21	\$2.875	\$1.900	\$2.425	\$2.685	\$0.000	\$2.825	\$2.625	\$2.275	\$2.790	\$2.770	\$1.915	\$1.685	\$2.315	\$2.645	\$2.400	\$3.000	\$2.795	\$1.830
4	05/02/21	\$2.875	\$1.900	\$2.425	\$2.685	\$0.000	\$2.825	\$2.625	\$2.275	\$2.790	\$2.770	\$1.915	\$1.685	\$2.315	\$2.645	\$2.400	\$3.000	\$2.795	\$1.830
5	05/03/21	\$2.875	\$1.900	\$2.425	\$2.685	\$0.000	\$2.825	\$2.625	\$2.275	\$2.790	\$2.770	\$1.915	\$1.685	\$2.315	\$2.645	\$2.400	\$3.000	\$2.795	\$1.830
6	05/04/21	\$2.930	\$2.250	\$2.525	\$2.735	\$0.000	\$2.830	\$2.795	\$2.730	\$2.880	\$2.795	\$2.330	\$3.030	\$2.900	\$2.700	\$2.770	\$2.990	\$2.875	\$2.235
7	05/05/21	\$3.005	\$2.325	\$2.550	\$2.745	\$0.000	\$2.835	\$2.670	\$2.600	\$2.840	\$2.805	\$2.405	\$2.450	\$2.675	\$2.845	\$0.000	\$2.990	\$2.860	\$2.320
8	05/06/21	\$2.965	\$2.330	\$2.500	\$2.730	\$0.000	\$2.860	\$2.675	\$2.600	\$2.790	\$2.790	\$2.400	\$2.890	\$2.870	\$2.695	\$2.720	\$3.015	\$2.835	\$2.320
9	05/07/21	\$2.895	\$2.270	\$2.465	\$2.735	\$0.000	\$2.870	\$2.635	\$2.480	\$2.785	\$2.730	\$2.350	\$2.360	\$2.475	\$2.655	\$2.695	\$2.930	\$2.835	\$2.255
10	05/08/21	\$2.895	\$2.280	\$2.475	\$2.730	\$0.000	\$2.745	\$2.675	\$2.580	\$2.790	\$2.775	\$2.375	\$2.530	\$2.645	\$2.735	\$2.700	\$2.960	\$2.830	\$2.285
11	05/09/21	\$2.895	\$2.280	\$2.475	\$2.730	\$0.000	\$2.745	\$2.675	\$2.580	\$2.790	\$2.775	\$2.375	\$2.530	\$2.645	\$2.735	\$2.700	\$2.960	\$2.830	\$2.285
12	05/10/21	\$2.895	\$2.280	\$2.475	\$2.730	\$0.000	\$2.745	\$2.675	\$2.580	\$2.790	\$2.775	\$2.375	\$2.530	\$2.645	\$2.735	\$2.700	\$2.960	\$2.830	\$2.285
13	05/11/21	\$2.900	\$2.280	\$2.500	\$2.730	\$0.000	\$2.830	\$2.725	\$2.545	\$2.830	\$2.790	\$2.465	\$2.675	\$2.610	\$2.815	\$2.705	\$2.955	\$2.845	\$2.305
14	05/12/21	\$2.875	\$2.315	\$2.480	\$2.730	\$0.000	\$2.840	\$2.650	\$2.450	\$2.825	\$2.790	\$2.460	\$2.345	\$2.515	\$2.745	\$2.755	\$2.915	\$2.845	\$2.345
15	05/13/21	\$2.895	\$2.190	\$2.460	\$2.760	\$0.000	\$2.770	\$2.580	\$2.315	\$2.845	\$2.770	\$2.240	\$2.290	\$2.465	\$2.700	\$2.695	\$2.875	\$2.835	\$2.185
16	05/14/21	\$2.870	\$2.055	\$2.470	\$2.755	\$0.000	\$2.850	\$2.435	\$2.200	\$2.815	\$2.750	\$2.150	\$2.135	\$2.335	\$2.730	\$2.740	\$2.865	\$2.820	\$2.045
17	05/15/21	\$2.865	\$2.085	\$2.480	\$2.760	\$0.000	\$2.685	\$2.155	\$2.150	\$2.800	\$2.730	\$2.190	\$2.010	\$2.290	\$2.705	\$2.700	\$2.875	\$2.805	\$2.050
18	05/16/21	\$2.865	\$2.085	\$2.480	\$2.760	\$0.000	\$2.685	\$2.155	\$2.150	\$2.800	\$2.730	\$2.190	\$2.010	\$2.290	\$2.705	\$2.700	\$2.875	\$2.805	\$2.050
19	05/17/21	\$2.865	\$2.085	\$2.480	\$2.760	\$0.000	\$2.685	\$2.155	\$2.150	\$2.800	\$2.730	\$2.190	\$2.010	\$2.290	\$2.705	\$2.700	\$2.875	\$2.805	\$2.050
20	05/18/21	\$2.965	\$2.330	\$2.625	\$2.905	\$0.000	\$2.920	\$2.900	\$2.610	\$2.945	\$2.930	\$2.535	\$2.925	\$2.875	\$2.700	\$2.870	\$2.980	\$2.965	\$2.385
21	05/19/21	\$2.940	\$2.305	\$2.600	\$2.860	\$0.000	\$2.840	\$2.900	\$2.485	\$2.905	\$2.860	\$2.465	\$2.715	\$2.740	\$2.870	\$2.825	\$2.895	\$2.890	\$2.385
22	05/20/21	\$2.875	\$2.285	\$2.560	\$2.790	\$0.000	\$2.805	\$2.825	\$2.385	\$2.835	\$2.780	\$2.400	\$2.460	\$2.555	\$2.735	\$2.750	\$2.865	\$2.830	\$2.295
23	05/21/21	\$2.850	\$2.275	\$2.540	\$2.785	\$0.000	\$2.755	\$2.810	\$2.350	\$2.790	\$2.775	\$2.400	\$2.375	\$2.555	\$2.765	\$2.720	\$2.855	\$2.815	\$2.280
24	05/22/21	\$2.810	\$2.320	\$2.490	\$2.760	\$0.000	\$2.720	\$2.805	\$2.350	\$2.780	\$2.735	\$2.435	\$2.375	\$2.555	\$2.690	\$2.695	\$2.840	\$2.800	\$2.330
25	05/23/21	\$2.810	\$2.320	\$2.490	\$2.760	\$0.000	\$2.720	\$2.805	\$2.350	\$2.780	\$2.735	\$2.435	\$2.375	\$2.555	\$2.690	\$2.695	\$2.840	\$2.800	\$2.330
26	05/24/21	\$2.810	\$2.320	\$2.490	\$2.760	\$0.000	\$2.720	\$2.805	\$2.350	\$2.780	\$2.735	\$2.435	\$2.375	\$2.555	\$2.690	\$2.695	\$2.840	\$2.800	\$2.330
27	05/25/21	\$2.780	\$2.235	\$2.505	\$2.735	\$0.000	\$2.805	\$2.670	\$2.400	\$2.795	\$2.775	\$2.380	\$2.340	\$2.545	\$2.715	\$2.750	\$2.900	\$2.800	\$2.250
28	05/26/21	\$2.835	\$2.250	\$2.490	\$2.765	\$0.000	\$2.750	\$2.820	\$2.400	\$2.815	\$2.740	\$2.400	\$2.525	\$2.645	\$2.700	\$2.720	\$2.890	\$2.785	\$2.265
29	05/27/21	\$2.875	\$2.230	\$2.495	\$2.810	\$0.000	\$2.750	\$2.855	\$2.405	\$2.825	\$2.795	\$2.340	\$2.295	\$2.565	\$2.725	\$2.760	\$2.875	\$2.800	\$2.225
30	05/28/21	\$2.845	\$2.195	\$2.500	\$2.785	\$0.000	\$2.730	\$2.365	\$2.310	\$2.760	\$2.735	\$2.280	\$1.985	\$2.330	\$2.655	\$2.685	\$2.835	\$2.805	\$2.180
31	05/29/21	\$2.845	\$2.195	\$2.500	\$2.785	\$0.000	\$2.730	\$2.365	\$2.310	\$2.760	\$2.735	\$2.280	\$1.985	\$2.330	\$2.655	\$2.685	\$2.835	\$2.805	\$2.180
32	05/30/21	\$2.845	\$2.195	\$2.500	\$2.785	\$0.000	\$2.730	\$2.365	\$2.310	\$2.760	\$2.735	\$2.280	\$1.985	\$2.330	\$2.655	\$2.685	\$2.835	\$2.805	\$2.180
33	05/31/21	\$2.845	\$2.195	\$2.500	\$2.785	\$0.000	\$2.730	\$2.365	\$2.310	\$2.760	\$2.735	\$2.280	\$1.985	\$2.330	\$2.655	\$2.685	\$2.835	\$2.805	\$2.180
34																			
35 Source: Platt's Inside FERC's Gas Market Report (First of Month Pricing), used as a basis for monthly purchases. * NYMEX settle.																			
36	DATE	NYMEX*	Dom.SP	TCO	Dawn	Leidy.Hub	TGP.Z0	IGT-Repis	NIAGARA	500.leg	800.leg	M3	AGT.CG	TGP.Z6	ELA	ETX	STX	WLA	M2
37	May-21	\$2.925	\$2.170	\$2.470	\$2.810	1.1400	\$2.850	\$2.600	\$2.330	\$2.850	\$2.830	\$2.200	\$2.290	\$2.330	\$2.780	\$2.810	\$3.010	\$2.880	\$2.080
38	Basis	N/A	(\$0.755)	(\$0.455)	(\$0.115)	(\$1.785)	(\$0.075)	(\$0.325)	(\$0.595)	(\$0.075)	(\$0.095)	(\$0.725)	(\$0.635)	(\$0.595)	(\$0.145)	(\$0.115)	\$0.085	(\$0.045)	(\$0.845)

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	
1	Source: Platt's Gas Daily Midpoint Pricing (GDD or GDA), used as a basis for daily purchases.																			
2	DATE	GDA HH	DTLSP	TCO	Dawn_On	DRACUT	TGP Z0	IROQUOIS	NIAGARA	500 leg	800 leg	TETCOM3	AGT CG	TGP Z6	ELA	ETX	STX	WLA	TETCOM2	
3	06/01/21	\$2,850	\$2,225	\$2,465	\$2,825	\$0,000	\$2,770	\$2,720	\$2,255	\$2,790	\$2,800	\$2,355	\$2,145	\$2,340	\$2,760	\$2,705	\$2,845	\$2,855	\$2,235	
4	06/02/21	\$2,965	\$1,920	\$2,515	\$2,940	\$0,000	\$2,950	\$2,890	\$2,150	\$2,930	\$2,880	\$2,150	\$1,920	\$2,310	\$2,980	\$2,870	\$3,085	\$2,965	\$1,925	
5	06/03/21	\$3,050	\$2,010	\$2,555	\$2,915	\$0,000	\$2,930	\$2,820	\$2,250	\$2,955	\$2,945	\$2,090	\$2,230	\$2,390	\$2,990	\$2,950	\$3,005	\$2,970	\$1,955	
6	06/04/21	\$3,015	\$1,945	\$2,505	\$2,865	\$0,000	\$2,920	\$2,660	\$2,180	\$2,920	\$2,905	\$2,045	\$1,920	\$2,330	\$2,960	\$2,895	\$3,010	\$2,975	\$1,880	
7	06/05/21	\$2,955	\$1,920	\$2,530	\$2,870	\$0,000	\$2,800	\$2,945	\$2,600	\$2,880	\$2,855	\$2,650	\$2,880	\$2,900	\$2,900	\$2,770	\$2,935	\$2,890	\$1,815	
8	06/06/21	\$2,955	\$1,920	\$2,530	\$2,870	\$0,000	\$2,800	\$2,945	\$2,600	\$2,880	\$2,855	\$2,650	\$2,880	\$2,900	\$2,900	\$2,770	\$2,935	\$2,890	\$1,815	
9	06/07/21	\$2,980	\$1,955	\$2,680	\$2,940	\$0,000	\$2,895	\$3,155	\$2,950	\$2,880	\$2,855	\$2,650	\$2,880	\$2,900	\$2,900	\$2,770	\$2,935	\$2,890	\$1,815	
10	06/08/21	\$3,105	\$2,100	\$2,670	\$3,050	\$0,000	\$3,025	\$3,125	\$2,750	\$3,075	\$3,060	\$2,480	\$3,635	\$3,785	\$2,920	\$2,830	\$3,070	\$2,995	\$1,310	
11	06/09/21	\$3,100	\$2,000	\$2,665	\$3,015	\$0,000	\$2,960	\$3,075	\$2,340	\$3,065	\$3,035	\$2,230	\$2,620	\$2,520	\$3,055	\$2,905	\$3,060	\$3,090	\$1,915	
12	06/10/21	\$3,090	\$2,005	\$2,700	\$3,010	\$0,000	\$3,190	\$2,920	\$2,220	\$3,065	\$3,080	\$2,060	\$2,340	\$2,415	\$3,115	\$3,010	\$3,150	\$3,120	\$1,895	
13	06/11/21	\$3,210	\$2,010	\$2,790	\$3,115	\$0,000	\$3,190	\$2,920	\$2,155	\$3,160	\$3,225	\$2,085	\$2,135	\$2,570	\$3,200	\$3,150	\$3,290	\$3,250	\$1,895	
14	06/12/21	\$3,210	\$2,010	\$2,790	\$3,115	\$0,000	\$3,190	\$2,920	\$2,155	\$3,160	\$3,225	\$2,085	\$2,135	\$2,570	\$3,200	\$3,150	\$3,290	\$3,250	\$1,895	
15	06/13/21	\$3,210	\$2,010	\$2,790	\$3,115	\$0,000	\$3,190	\$2,920	\$2,155	\$3,160	\$3,225	\$2,085	\$2,135	\$2,570	\$3,200	\$3,150	\$3,290	\$3,250	\$1,895	
16	06/14/21	\$3,275	\$2,095	\$2,775	\$3,140	\$0,000	\$3,260	\$3,160	\$2,445	\$3,230	\$3,195	\$2,235	\$2,335	\$2,675	\$3,235	\$3,190	\$3,365	\$3,240	\$1,980	
17	06/15/21	\$3,300	\$2,110	\$2,750	\$3,160	\$0,000	\$3,310	\$3,140	\$2,695	\$3,210	\$3,165	\$2,215	\$2,315	\$2,675	\$3,220	\$3,165	\$3,395	\$3,225	\$1,845	
18	06/16/21	\$3,170	\$2,110	\$2,725	\$3,080	\$0,000	\$3,145	\$3,030	\$2,630	\$3,135	\$3,110	\$2,280	\$2,355	\$2,670	\$3,140	\$3,060	\$3,245	\$3,130	\$2,045	
19	06/17/21	\$3,195	\$2,215	\$2,710	\$3,070	\$0,000	\$3,090	\$3,055	\$2,400	\$3,100	\$3,105	\$2,425	\$2,490	\$2,635	\$3,140	\$3,095	\$3,240	\$3,155	\$2,185	
20	06/18/21	\$3,160	\$2,335	\$2,715	\$3,070	\$0,000	\$3,100	\$3,165	\$2,715	\$3,100	\$3,095	\$2,635	\$2,895	\$3,040	\$3,100	\$3,070	\$3,220	\$3,115	\$2,220	
21	06/19/21	\$3,160	\$2,335	\$2,715	\$3,070	\$0,000	\$3,100	\$3,165	\$2,715	\$3,100	\$3,095	\$2,635	\$2,895	\$3,040	\$3,100	\$3,070	\$3,220	\$3,115	\$2,220	
22	06/20/21	\$3,160	\$2,335	\$2,715	\$3,070	\$0,000	\$3,100	\$3,165	\$2,715	\$3,100	\$3,095	\$2,635	\$2,895	\$3,040	\$3,100	\$3,070	\$3,220	\$3,115	\$2,220	
23	06/21/21	\$3,150	\$2,410	\$2,750	\$2,995	\$0,000	\$3,045	\$3,080	\$2,650	\$3,055	\$3,015	\$2,550	\$2,640	\$2,600	\$2,920	\$2,985	\$3,110	\$3,075	\$2,385	
24	06/22/21	\$3,220	\$2,450	\$2,725	\$3,070	\$0,000	\$3,070	\$3,095	\$2,550	\$3,155	\$3,140	\$2,535	\$2,540	\$2,630	\$3,140	\$0,000	\$3,250	\$3,220	\$2,375	
25	06/23/21	\$3,300	\$2,455	\$2,750	\$3,175	\$0,000	\$3,155	\$3,075	\$2,600	\$3,220	\$3,200	\$2,515	\$2,620	\$2,795	\$3,140	\$3,080	\$3,310	\$3,235	\$2,350	
26	06/24/21	\$3,300	\$2,430	\$2,725	\$3,155	\$0,000	\$3,245	\$3,100	\$2,600	\$3,240	\$3,200	\$2,595	\$2,625	\$2,730	\$3,165	\$3,160	\$3,345	\$3,265	\$2,430	
27	06/25/21	\$3,410	\$2,690	\$2,930	\$3,300	\$0,000	\$3,310	\$3,420	\$3,000	\$3,370	\$3,405	\$3,050	\$3,875	\$3,845	\$3,315	\$3,305	\$3,455	\$3,405	\$2,740	
28	06/26/21	\$3,410	\$2,690	\$2,930	\$3,300	\$0,000	\$3,310	\$3,420	\$3,000	\$3,370	\$3,405	\$3,050	\$3,875	\$3,845	\$3,315	\$3,305	\$3,455	\$3,405	\$2,740	
29	06/27/21	\$3,410	\$2,690	\$2,930	\$3,300	\$0,000	\$3,310	\$3,420	\$3,000	\$3,370	\$3,405	\$3,050	\$3,875	\$3,845	\$3,315	\$3,305	\$3,455	\$3,405	\$2,740	
30	06/28/21	\$3,410	\$2,690	\$2,930	\$3,300	\$0,000	\$3,310	\$3,420	\$3,000	\$3,370	\$3,405	\$3,050	\$3,875	\$3,845	\$3,315	\$3,305	\$3,455	\$3,405	\$2,740	
31	06/29/21	\$3,565	\$3,075	\$3,135	\$3,500	\$0,000	\$3,525	\$3,905	\$3,600	\$3,555	\$3,545	\$3,750	\$4,855	\$4,800	\$3,550	\$3,515	\$3,600	\$3,585	\$3,095	
32	06/30/21	\$3,740	\$3,105	\$3,220	\$3,625	\$8,000	\$3,690	\$3,880	\$3,550	\$3,695	\$3,690	\$3,900	\$5,145	\$6,970	\$3,655	\$3,690	\$3,780	\$3,695	\$3,030	
33																				
34																				
35																				
36	Source: Platt's Inside FERC's Gas Market Report (First of Month Pricing), used as a basis for monthly purchases. * NYMEX settle.																			
37	DATE	NYMEX*	Dom SP	TCO	Dawn	Leidy Hub	TGP Z0	IGT-Repts	NIAGARA	500 leg	800 leg	M3	AGT CG	TGP Z6	ELA	ETX	STX	WLA	M2	
38	Jun-21	\$2,984	2,3000	\$2,550	\$2,850	2,0700	\$2,850	\$2,760	\$2,480	\$2,910	\$2,870	\$2,400	\$2,450	\$2,570	\$2,820	\$2,900	\$3,050	\$2,910	\$2,270	
39	Basis	N/A	(\$0.684)	(\$0.434)	(\$0.134)	(\$0.914)	(\$0.134)	(\$0.224)	(\$0.504)	(\$0.074)	(\$0.114)	(\$0.584)	(\$0.534)	(\$0.414)	(\$0.164)	(\$0.084)	\$0.066	(\$0.074)	(\$0.714)	

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	
1 Source: Platt's Gas Daily Midpoint Pricing (GDD or GDA), used as a basis for daily purchases.																			
2	DATE	GDA.HH	DTLSP	TCCO	Dawn_On	DRACUT	TGP_Z0	IROQUOIS	NIAGARA	500_leg	800_leg	TETCOM3	AGT_CG	TGP_Z6	ELA	ETX	STX	WLA	TETCOM2
3	07/01/21	\$3.720	\$2.805	\$3.040	\$3.565	\$0.000	\$3.565	\$3.690	\$3.025	\$3.580	\$3.545	\$3.025	\$4.165	\$4.245	\$3.590	\$3.470	\$3.650	\$3.655	\$2.705
4	07/02/21	\$3.745	\$2.660	\$2.960	\$3.490	\$0.000	\$3.525	\$3.450	\$2.680	\$3.630	\$3.535	\$2.810	\$2.760	\$2.800	\$3.600	\$3.450	\$3.670	\$3.605	\$2.640
5	07/03/21	\$3.615	\$2.725	\$3.020	\$3.430	\$0.000	\$3.505	\$3.355	\$2.800	\$3.560	\$3.505	\$3.020	\$2.885	\$2.910	\$3.495	\$3.240	\$3.625	\$3.575	\$2.705
6	07/04/21	\$3.615	\$2.725	\$3.020	\$3.430	\$0.000	\$3.505	\$3.355	\$2.800	\$3.560	\$3.505	\$3.020	\$2.885	\$2.910	\$3.495	\$3.240	\$3.625	\$3.575	\$2.705
7	07/05/21	\$3.615	\$2.725	\$3.020	\$3.430	\$0.000	\$3.505	\$3.355	\$2.800	\$3.560	\$3.505	\$3.020	\$2.885	\$2.910	\$3.495	\$3.240	\$3.625	\$3.575	\$2.705
8	07/06/21	\$3.615	\$2.725	\$3.020	\$3.430	\$0.000	\$3.505	\$3.355	\$2.800	\$3.560	\$3.505	\$3.020	\$2.885	\$2.910	\$3.495	\$3.240	\$3.625	\$3.575	\$2.705
9	07/07/21	\$3.700	\$2.895	\$3.085	\$3.440	\$0.000	\$3.485	\$3.555	\$3.250	\$3.535	\$3.525	\$3.705	\$3.680	\$3.705	\$3.550	\$3.420	\$3.605	\$3.555	\$2.905
10	07/08/21	\$3.595	\$2.725	\$2.985	\$3.360	\$0.000	\$3.415	\$3.415	\$2.950	\$3.465	\$3.400	\$3.210	\$3.005	\$3.000	\$3.495	\$3.345	\$3.550	\$3.525	\$2.725
11	07/09/21	\$3.535	\$2.760	\$3.010	\$3.400	\$0.000	\$3.485	\$3.430	\$2.895	\$3.525	\$3.515	\$3.125	\$2.995	\$2.970	\$3.480	\$3.420	\$3.615	\$3.550	\$2.745
12	07/10/21	\$3.705	\$2.845	\$3.055	\$3.470	\$0.000	\$3.420	\$3.510	\$2.930	\$3.560	\$3.525	\$3.145	\$2.990	\$3.025	\$3.545	\$3.275	\$3.650	\$3.620	\$2.835
13	07/11/21	\$3.705	\$2.845	\$3.055	\$3.470	\$0.000	\$3.420	\$3.510	\$2.930	\$3.560	\$3.525	\$3.145	\$2.990	\$3.025	\$3.545	\$3.275	\$3.650	\$3.620	\$2.835
14	07/12/21	\$3.705	\$2.845	\$3.055	\$3.470	\$0.000	\$3.420	\$3.510	\$2.930	\$3.560	\$3.525	\$3.145	\$2.990	\$3.025	\$3.545	\$3.275	\$3.650	\$3.620	\$2.835
15	07/13/21	\$3.705	\$3.015	\$3.160	\$3.525	\$0.000	\$3.495	\$3.570	\$3.340	\$3.595	\$3.560	\$3.465	\$3.305	\$3.405	\$3.630	\$3.450	\$3.700	\$3.645	\$3.000
16	07/14/21	\$3.715	\$3.090	\$3.215	\$3.525	\$0.000	\$3.500	\$3.590	\$3.350	\$3.575	\$3.570	\$3.585	\$3.480	\$3.540	\$3.585	\$3.365	\$3.645	\$3.595	\$3.110
17	07/15/21	\$3.750	\$3.120	\$3.225	\$3.535	\$0.000	\$3.495	\$3.610	\$3.255	\$3.585	\$3.550	\$3.595	\$3.535	\$3.520	\$3.610	\$3.440	\$3.620	\$3.620	\$3.110
18	07/16/21	\$3.685	\$3.055	\$3.225	\$3.520	\$0.000	\$3.510	\$3.605	\$3.295	\$3.560	\$3.525	\$3.540	\$3.685	\$3.700	\$3.600	\$3.400	\$3.620	\$3.620	\$3.010
19	07/17/21	\$3.690	\$2.925	\$3.160	\$3.495	\$0.000	\$3.460	\$3.545	\$3.135	\$3.535	\$3.545	\$3.305	\$3.220	\$3.210	\$3.550	\$3.390	\$3.655	\$3.600	\$2.855
20	07/18/21	\$3.690	\$2.925	\$3.160	\$3.495	\$0.000	\$3.460	\$3.545	\$3.135	\$3.535	\$3.545	\$3.305	\$3.220	\$3.210	\$3.550	\$3.390	\$3.655	\$3.600	\$2.855
21	07/19/21	\$3.690	\$2.925	\$3.160	\$3.495	\$0.000	\$3.460	\$3.545	\$3.135	\$3.535	\$3.545	\$3.305	\$3.220	\$3.210	\$3.550	\$3.390	\$3.655	\$3.600	\$2.855
22	07/20/21	\$3.745	\$2.995	\$3.270	\$3.600	\$0.000	\$3.605	\$3.700	\$3.445	\$3.595	\$3.590	\$3.385	\$3.705	\$3.645	\$3.660	\$3.550	\$3.735	\$3.665	\$2.910
23	07/21/21	\$3.830	\$3.020	\$3.295	\$3.675	\$0.000	\$3.730	\$3.800	\$3.250	\$3.715	\$3.710	\$3.240	\$3.345	\$3.415	\$3.770	\$0.000	\$3.835	\$3.810	\$2.930
24	07/22/21	\$3.905	\$3.035	\$3.320	\$3.755	\$0.000	\$3.770	\$3.770	\$3.250	\$3.825	\$3.805	\$3.270	\$3.270	\$3.370	\$3.870	\$3.670	\$3.955	\$3.890	\$2.955
25	07/23/21	\$3.950	\$2.970	\$3.300	\$3.735	\$0.000	\$3.760	\$3.715	\$3.155	\$3.860	\$3.830	\$3.150	\$3.070	\$3.240	\$3.880	\$3.650	\$3.925	\$3.880	\$2.860
26	07/24/21	\$4.055	\$2.975	\$3.435	\$3.815	\$0.000	\$3.860	\$3.860	\$3.270	\$3.955	\$3.885	\$3.375	\$3.315	\$3.345	\$4.000	\$3.820	\$4.050	\$4.000	\$2.895
27	07/25/21	\$4.055	\$2.975	\$3.435	\$3.815	\$0.000	\$3.860	\$3.860	\$3.270	\$3.955	\$3.885	\$3.375	\$3.315	\$3.345	\$4.000	\$3.820	\$4.050	\$4.000	\$2.895
28	07/26/21	\$4.055	\$2.975	\$3.435	\$3.815	\$0.000	\$3.860	\$3.860	\$3.270	\$3.955	\$3.885	\$3.375	\$3.315	\$3.345	\$4.000	\$3.820	\$4.050	\$4.000	\$2.895
29	07/27/21	\$4.090	\$3.085	\$3.465	\$3.940	\$0.000	\$3.930	\$4.050	\$3.500	\$3.965	\$3.910	\$3.810	\$3.755	\$3.790	\$4.005	\$3.850	\$4.095	\$4.040	\$2.950
30	07/28/21	\$4.055	\$2.895	\$3.415	\$3.825	\$0.000	\$3.895	\$3.840	\$3.525	\$3.970	\$3.890	\$3.480	\$3.320	\$3.330	\$3.960	\$3.865	\$4.020	\$3.940	\$2.800
31	07/29/21	\$4.045	\$2.830	\$3.325	\$3.760	\$0.000	\$3.865	\$3.750	\$3.510	\$3.960	\$3.885	\$3.045	\$3.040	\$3.130	\$3.950	\$3.800	\$4.030	\$3.995	\$2.785
32	07/30/21	\$4.025	\$2.765	\$3.275	\$3.740	\$0.000	\$3.860	\$3.615	\$3.295	\$3.920	\$3.890	\$2.905	\$2.840	\$3.010	\$3.925	\$3.695	\$3.995	\$3.980	\$2.695
33	07/31/21	\$4.025	\$2.765	\$3.275	\$3.740	\$0.000	\$3.860	\$3.615	\$3.295	\$3.920	\$3.890	\$2.905	\$2.840	\$3.010	\$3.925	\$3.695	\$3.995	\$3.980	\$2.695
34																			
35																			
Source: Platt's Inside FERC's Gas Market Report (First of Month Pricing), used as a basis for monthly purchases. * NYMEX settle.																			
36	DATE	NYMEX*	Dom SP	TCCO	Dawn	Leidy_Hub	TGP_Z0	IGT-Repis	NIAGARA	500_leg	800_leg	M3	AGT_CG	TGP_Z6	ELA	ETX	STX	WLA	M2
37	Jul-21	\$3.617	\$2.690	\$3.020	\$3.460	\$2.500	\$3.470	\$3.540	\$3.060	\$3.520	\$3.500	\$3.050	\$3.320	\$3.380	\$3.510	\$3.550	\$3.700	\$3.560	\$2.590
38	Basis	N/A	(\$0.927)	(\$0.597)	(\$0.157)	(\$1.117)	(\$0.147)	(\$0.077)	(\$0.557)	(\$0.097)	(\$0.117)	(\$0.567)	(\$0.297)	(\$0.237)	(\$0.107)	(\$0.067)	\$0.083	(\$0.057)	(\$1.027)
39																			

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	
Source: Platt's Gas Daily Midpoint Pricing (GDD or GDA), used as a basis for daily purchases.																			
1	DATE	GDA_HH	DTLSP	TCC	Dawn_On	DRACUT	TGP_Z0	IROQUOIS	NIAGARA	500_leg	800_leg	TETCOM3	AGT_CG	TGP_Z6	ELA	ETX	STX	WLA	TETCOM2
2	08/01/21	\$3.890	\$2.860	\$3.100	\$3.625	\$0.000	\$3.660	\$3.580	\$3.250	\$3.815	\$3.785	\$2.960	\$3.000	\$3.065	\$3.825	\$3.570	\$3.870	\$3.830	\$2.795
3	08/02/21	\$3.890	\$2.860	\$3.100	\$3.625	\$0.000	\$3.660	\$3.580	\$3.250	\$3.815	\$3.785	\$2.960	\$3.000	\$3.065	\$3.825	\$3.570	\$3.870	\$3.830	\$2.795
4	08/03/21	\$3.975	\$3.140	\$3.390	\$3.740	\$0.000	\$3.860	\$3.775	\$3.185	\$3.910	\$3.865	\$3.180	\$3.300	\$3.280	\$3.890	\$0.000	\$3.960	\$3.875	\$3.080
5	08/04/21	\$3.985	\$3.470	\$3.540	\$3.760	\$0.000	\$3.780	\$3.780	\$3.650	\$3.925	\$3.850	\$3.655	\$3.685	\$3.715	\$3.715	\$3.670	\$3.970	\$3.920	\$3.455
6	08/05/21	\$4.120	\$3.645	\$3.765	\$3.945	\$0.000	\$4.045	\$3.960	\$3.750	\$4.085	\$4.045	\$3.760	\$3.825	\$3.810	\$4.035	\$3.905	\$4.130	\$4.055	\$3.650
7	08/06/21	\$4.180	\$3.750	\$3.835	\$4.000	\$0.000	\$4.055	\$4.120	\$3.905	\$4.105	\$4.040	\$3.950	\$4.030	\$4.005	\$3.985	\$3.940	\$4.140	\$4.095	\$3.760
8	08/07/21	\$4.130	\$3.675	\$3.755	\$3.990	\$0.000	\$4.020	\$4.100	\$3.805	\$4.055	\$4.035	\$3.840	\$4.020	\$4.030	\$3.875	\$3.930	\$4.080	\$4.035	\$3.710
9	08/08/21	\$4.130	\$3.675	\$3.755	\$3.990	\$0.000	\$4.020	\$4.100	\$3.805	\$4.055	\$4.035	\$3.840	\$4.020	\$4.030	\$3.875	\$3.930	\$4.080	\$4.035	\$3.710
10	08/09/21	\$4.130	\$3.675	\$3.755	\$3.990	\$0.000	\$4.020	\$4.100	\$3.805	\$4.055	\$4.035	\$3.840	\$4.020	\$4.030	\$3.875	\$3.930	\$4.080	\$4.035	\$3.710
11	08/10/21	\$4.160	\$3.720	\$3.770	\$3.930	\$0.000	\$3.915	\$4.000	\$3.850	\$4.035	\$3.935	\$3.875	\$4.095	\$4.080	\$3.950	\$3.900	\$4.000	\$4.000	\$3.720
12	08/11/21	\$4.110	\$3.745	\$3.815	\$3.975	\$0.000	\$3.985	\$4.175	\$3.900	\$4.065	\$3.995	\$3.990	\$4.560	\$4.525	\$3.900	\$3.850	\$4.040	\$3.990	\$3.805
13	08/12/21	\$4.070	\$3.705	\$3.760	\$3.880	\$0.000	\$3.905	\$4.160	\$3.855	\$3.995	\$3.925	\$3.925	\$4.910	\$4.900	\$3.870	\$3.800	\$3.965	\$3.940	\$3.740
14	08/13/21	\$4.010	\$3.600	\$3.680	\$3.870	\$0.000	\$3.900	\$3.975	\$3.750	\$3.940	\$3.760	\$3.760	\$4.210	\$4.150	\$3.750	\$3.800	\$4.000	\$3.935	\$3.590
15	08/14/21	\$3.885	\$3.505	\$3.570	\$3.760	\$0.000	\$3.790	\$3.845	\$3.750	\$3.845	\$3.795	\$3.590	\$3.660	\$3.730	\$3.665	\$3.565	\$3.915	\$3.850	\$3.475
16	08/15/21	\$3.885	\$3.505	\$3.570	\$3.760	\$0.000	\$3.790	\$3.845	\$3.750	\$3.845	\$3.795	\$3.590	\$3.660	\$3.730	\$3.665	\$3.565	\$3.915	\$3.850	\$3.475
17	08/16/21	\$3.885	\$3.505	\$3.570	\$3.760	\$0.000	\$3.790	\$3.845	\$3.750	\$3.845	\$3.795	\$3.590	\$3.660	\$3.730	\$3.665	\$3.565	\$3.915	\$3.850	\$3.475
18	08/17/21	\$3.915	\$3.530	\$3.640	\$3.775	\$0.000	\$3.860	\$3.840	\$3.750	\$3.885	\$3.850	\$3.680	\$3.750	\$3.860	\$3.740	\$3.735	\$3.980	\$3.890	\$3.500
19	08/18/21	\$3.920	\$3.535	\$3.590	\$3.700	\$0.000	\$3.810	\$3.770	\$3.745	\$3.810	\$3.785	\$3.715	\$3.835	\$3.860	\$3.700	\$3.680	\$3.885	\$3.785	\$3.545
20	08/19/21	\$3.860	\$3.575	\$3.585	\$3.720	\$0.000	\$3.730	\$3.800	\$3.700	\$3.800	\$3.740	\$3.740	\$3.875	\$3.900	\$3.665	\$3.680	\$3.805	\$3.790	\$3.570
21	08/20/21	\$3.820	\$3.510	\$3.545	\$3.660	\$0.000	\$3.655	\$3.750	\$3.610	\$3.735	\$3.715	\$3.675	\$4.010	\$4.105	\$3.680	\$3.565	\$3.790	\$3.725	\$3.500
22	08/21/21	\$3.935	\$3.530	\$3.645	\$3.780	\$0.000	\$3.815	\$3.875	\$3.750	\$3.875	\$3.835	\$3.675	\$3.870	\$3.870	\$3.750	\$3.645	\$3.940	\$3.860	\$3.525
23	08/22/21	\$3.935	\$3.530	\$3.645	\$3.780	\$0.000	\$3.815	\$3.875	\$3.750	\$3.875	\$3.835	\$3.675	\$3.870	\$3.870	\$3.750	\$3.645	\$3.940	\$3.860	\$3.525
24	08/23/21	\$3.920	\$3.530	\$3.645	\$3.780	\$0.000	\$3.815	\$3.875	\$3.750	\$3.875	\$3.835	\$3.675	\$3.870	\$3.870	\$3.750	\$3.645	\$3.940	\$3.860	\$3.525
25	08/24/21	\$3.920	\$3.530	\$3.645	\$3.780	\$0.000	\$3.815	\$3.875	\$3.750	\$3.875	\$3.835	\$3.675	\$3.870	\$3.870	\$3.750	\$3.645	\$3.940	\$3.860	\$3.525
26	08/25/21	\$3.940	\$3.635	\$3.700	\$3.815	\$0.000	\$3.835	\$4.040	\$3.835	\$3.895	\$3.845	\$3.910	\$4.275	\$4.225	\$3.815	\$3.785	\$3.925	\$3.855	\$3.525
27	08/26/21	\$4.010	\$3.730	\$3.790	\$3.875	\$0.000	\$3.915	\$4.020	\$3.950	\$3.925	\$3.930	\$3.860	\$4.430	\$4.375	\$3.830	\$3.800	\$3.960	\$3.890	\$3.630
28	08/27/21	\$4.045	\$3.720	\$3.895	\$3.960	\$0.000	\$4.035	\$4.100	\$3.950	\$4.055	\$4.070	\$3.900	\$4.320	\$4.335	\$3.895	\$3.810	\$3.995	\$3.945	\$3.770
29	08/28/21	\$4.340	\$3.785	\$3.930	\$4.195	\$0.000	\$4.205	\$4.270	\$4.050	\$4.315	\$4.245	\$3.855	\$4.000	\$4.045	\$4.180	\$4.070	\$4.350	\$4.285	\$3.740
30	08/29/21	\$4.340	\$3.785	\$3.930	\$4.195	\$0.000	\$4.205	\$4.270	\$4.050	\$4.315	\$4.245	\$3.855	\$4.000	\$4.045	\$4.180	\$4.070	\$4.350	\$4.285	\$3.740
31	08/30/21	\$4.340	\$3.785	\$3.930	\$4.195	\$0.000	\$4.205	\$4.270	\$4.050	\$4.315	\$4.245	\$3.855	\$4.000	\$4.045	\$4.180	\$4.070	\$4.350	\$4.285	\$3.740
32	08/31/21	\$4.205	\$3.815	\$3.955	\$4.105	\$0.000	\$4.160	\$4.190	\$4.050	\$4.150	\$4.155	\$3.935	\$4.100	\$4.090	\$3.975	\$3.855	\$4.250	\$4.115	\$3.790
33																			
34																			
35																			
Source: Platt's Inside FERC's Gas Market Report (First of Month Pricing), used as a basis for monthly purchases. * NYMEX settle.																			
36	DATE	NYMEX*	Dom SP	TCC	Dawn	Leidy_Hub	TGP_Z0	IGT-Repis	NIAGARA	500_leg	800_leg	M3	AGT_CG	TGP_Z6	ELA	ETX	STX	WLA	M2
37	Aug-21	\$4.044	\$2.920	\$3.220	\$3.810	\$2.820	\$3.850	\$3.860	\$3.400	\$3.930	\$3.890	\$3.230	\$3.450	\$3.450	\$3.910	\$3.910	\$4.060	\$3.970	\$2.790
38	Basis	N/A	(\$1.124)	(\$0.824)	(\$0.234)	(\$1.224)	(\$0.194)	(\$0.184)	(\$0.644)	(\$0.114)	(\$0.154)	(\$0.814)	(\$0.594)	(\$0.594)	(\$0.134)	(\$0.134)	\$0.016	(\$0.074)	(\$1.254)
39																			

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	
Source: Platt's Gas Daily Midpoint Pricing (GDD or GDA), used as a basis for daily purchases.																			
1	DATE	GDA_HH	DITLSP	TCCO	Dawn_On	DRACUT	TGP_Z0	IROQUOIS	NIAGARA	500_leg	800_leg	TETCOM3	AGT_CG	TGP_Z6	ELA	ETX	STX	WLA	TETCOM2
2	09/01/21	\$4.250	\$3.725	\$3.850	\$4.170	\$0.000	\$4.220	\$4.245	\$3.855	\$4.235	\$4.200	\$3.805	\$3.920	\$4.030	\$4.000	\$3.930	\$4.265	\$4.220	\$3.685
3	09/02/21	\$4.460	\$3.835	\$4.020	\$4.425	\$0.000	\$4.495	\$4.375	\$3.900	\$4.520	\$4.450	\$3.885	\$3.970	\$3.975	\$4.290	\$4.285	\$4.630	\$4.535	\$3.800
4	09/03/21	\$4.635	\$3.820	\$3.905	\$4.490	\$0.000	\$4.675	\$4.335	\$3.850	\$4.615	\$4.600	\$3.895	\$3.900	\$3.910	\$4.435	\$4.250	\$4.730	\$4.615	\$3.790
5	09/04/21	\$4.690	\$3.470	\$3.880	\$4.490	\$0.000	\$4.500	\$3.895	\$3.800	\$4.605	\$4.600	\$3.555	\$3.430	\$3.625	\$4.415	\$4.370	\$4.765	\$4.645	\$3.395
6	09/05/21	\$4.690	\$3.470	\$3.880	\$4.490	\$0.000	\$4.500	\$3.895	\$3.800	\$4.605	\$4.600	\$3.555	\$3.430	\$3.625	\$4.415	\$4.370	\$4.765	\$4.645	\$3.395
7	09/06/21	\$4.690	\$3.470	\$3.880	\$4.490	\$0.000	\$4.500	\$3.895	\$3.800	\$4.605	\$4.600	\$3.555	\$3.430	\$3.625	\$4.415	\$4.370	\$4.765	\$4.645	\$3.395
8	09/07/21	\$4.690	\$3.470	\$3.880	\$4.490	\$0.000	\$4.500	\$3.895	\$3.800	\$4.605	\$4.600	\$3.555	\$3.430	\$3.625	\$4.415	\$4.370	\$4.765	\$4.645	\$3.395
9	09/08/21	\$4.670	\$3.890	\$4.025	\$4.400	\$0.000	\$4.650	\$4.475	\$4.150	\$4.595	\$4.590	\$4.015	\$4.310	\$4.305	\$4.400	\$4.150	\$4.680	\$4.585	\$3.880
10	09/09/21	\$4.780	\$4.165	\$4.370	\$4.685	\$0.000	\$4.705	\$4.750	\$4.500	\$4.835	\$4.840	\$4.300	\$4.485	\$4.525	\$4.635	\$4.400	\$4.935	\$4.885	\$4.160
11	09/10/21	\$4.965	\$4.090	\$4.215	\$4.675	\$0.000	\$4.850	\$4.690	\$4.450	\$4.915	\$4.895	\$4.165	\$4.210	\$4.305	\$4.680	\$4.560	\$4.950	\$4.865	\$4.060
12	09/11/21	\$5.040	\$4.160	\$4.300	\$4.750	\$0.000	\$4.835	\$4.775	\$4.500	\$4.950	\$4.880	\$4.330	\$4.500	\$4.420	\$4.675	\$4.495	\$4.925	\$4.945	\$4.165
13	09/12/21	\$5.040	\$4.160	\$4.300	\$4.750	\$0.000	\$4.835	\$4.775	\$4.500	\$4.950	\$4.880	\$4.330	\$4.500	\$4.420	\$4.675	\$4.495	\$4.925	\$4.945	\$4.165
14	09/13/21	\$5.040	\$4.160	\$4.300	\$4.750	\$0.000	\$4.835	\$4.775	\$4.500	\$4.950	\$4.880	\$4.330	\$4.500	\$4.420	\$4.675	\$4.495	\$4.925	\$4.945	\$4.165
15	09/14/21	\$5.180	\$4.655	\$4.755	\$5.030	\$0.000	\$5.090	\$5.115	\$5.000	\$5.175	\$5.105	\$4.905	\$5.015	\$5.050	\$4.945	\$5.015	\$5.135	\$5.145	\$4.675
16	09/15/21	\$5.350	\$4.975	\$5.055	\$5.165	\$0.000	\$5.175	\$5.335	\$5.080	\$5.305	\$5.210	\$5.170	\$5.500	\$5.515	\$5.210	\$5.190	\$5.280	\$5.265	\$4.990
17	09/16/21	\$5.600	\$5.065	\$5.090	\$5.435	\$0.000	\$5.395	\$5.515	\$5.300	\$5.575	\$5.500	\$5.185	\$5.450	\$5.535	\$5.350	\$5.000	\$5.480	\$5.495	\$5.050
18	09/17/21	\$5.470	\$4.930	\$5.050	\$5.195	\$0.000	\$5.180	\$5.310	\$5.200	\$5.335	\$5.315	\$5.065	\$5.190	\$5.220	\$5.300	\$4.945	\$5.295	\$5.310	\$4.915
19	09/18/21	\$5.200	\$4.765	\$4.750	\$5.085	\$0.000	\$4.960	\$5.185	\$4.950	\$5.215	\$5.000	\$4.945	\$5.185	\$5.155	\$5.035	\$4.755	\$5.055	\$5.090	\$4.750
20	09/19/21	\$5.200	\$4.765	\$4.750	\$5.085	\$0.000	\$4.960	\$5.185	\$4.950	\$5.215	\$5.000	\$4.945	\$5.185	\$5.155	\$5.035	\$4.755	\$5.055	\$5.090	\$4.750
21	09/20/21	\$5.155	\$4.250	\$4.405	\$4.910	\$0.000	\$5.005	\$5.050	\$4.600	\$5.115	\$5.010	\$4.360	\$4.490	\$4.650	\$5.005	\$4.705	\$5.055	\$5.055	\$4.230
22	09/21/21	\$4.870	\$3.725	\$3.935	\$4.615	\$0.000	\$4.715	\$4.700	\$4.350	\$4.795	\$4.745	\$3.835	\$4.240	\$4.350	\$4.640	\$4.385	\$4.735	\$4.790	\$3.715
23	09/22/21	\$4.830	\$3.975	\$4.015	\$4.600	\$0.000	\$4.665	\$4.685	\$4.340	\$4.775	\$4.680	\$4.150	\$4.385	\$4.545	\$4.625	\$4.260	\$4.765	\$4.760	\$4.020
24	09/23/21	\$4.895	\$4.120	\$4.210	\$4.575	\$0.000	\$4.780	\$4.680	\$4.370	\$4.860	\$4.770	\$4.285	\$4.465	\$4.560	\$4.800	\$4.300	\$4.860	\$4.830	\$4.130
25	09/24/21	\$5.020	\$3.925	\$4.135	\$4.400	\$0.000	\$4.810	\$4.485	\$4.260	\$4.925	\$4.790	\$3.995	\$4.165	\$4.450	\$4.605	\$0.000	\$4.900	\$4.890	\$3.900
26	09/25/21	\$5.020	\$3.925	\$4.135	\$4.400	\$0.000	\$4.810	\$4.485	\$4.260	\$4.925	\$4.790	\$3.995	\$4.165	\$4.450	\$4.605	\$0.000	\$4.900	\$4.890	\$3.900
27	09/26/21	\$5.020	\$3.925	\$4.135	\$4.400	\$0.000	\$4.810	\$4.485	\$4.260	\$4.925	\$4.790	\$3.995	\$4.165	\$4.450	\$4.605	\$0.000	\$4.900	\$4.890	\$3.900
28	09/27/21	\$5.020	\$3.925	\$4.135	\$4.400	\$0.000	\$4.810	\$4.485	\$4.260	\$4.925	\$4.790	\$3.995	\$4.165	\$4.450	\$4.605	\$0.000	\$4.900	\$4.890	\$3.900
29	09/28/21	\$5.515	\$4.415	\$4.530	\$4.990	\$0.000	\$5.190	\$5.055	\$4.765	\$5.495	\$5.310	\$4.410	\$4.585	\$4.710	\$5.240	\$0.000	\$5.395	\$5.360	\$4.355
30	09/29/21	\$5.925	\$4.765	\$4.920	\$5.205	\$0.000	\$5.560	\$5.155	\$4.815	\$5.895	\$5.670	\$4.780	\$4.855	\$4.895	\$5.520	\$5.010	\$5.795	\$5.765	\$4.750
31	09/30/21	\$5.625	\$4.650	\$4.770	\$5.160	\$0.000	\$5.375	\$5.125	\$4.850	\$5.560	\$5.460	\$4.745	\$4.895	\$4.865	\$5.015	\$4.760	\$5.460	\$5.460	\$4.650
32																			
33																			
34																			
35																			
Source: Platt's Inside FERC's Gas Market Report (First of Month Pricing), used as a basis for monthly purchases. * NYMEX settle.																			
36	DATE	NYMEX*	Dom SP	TCCO	Dawn	Leidy_Hub	TGP_Z0	IGT-Repts	NIAGARA	500_leg	800_leg	M3	AGT_CG	TGP_Z6	ELA	ETX	STX	WLA	M2
37	Sep-21	\$4.370	\$3.440	\$3.650	\$4.180	\$3.390	\$4.190	\$4.080	\$3.770	\$4.300	\$4.250	\$3.530	\$3.750	\$3.790	\$4.190	\$4.220	\$4.370	\$4.300	\$3.400
38	Basis	N/A	(\$0.930)	(\$0.720)	(\$0.190)	(\$0.980)	(\$0.180)	(\$0.290)	(\$0.600)	(\$0.070)	(\$0.120)	(\$0.840)	(\$0.620)	(\$0.580)	(\$0.180)	(\$0.150)	\$0.000	(\$0.070)	(\$0.970)
39																			

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	
1	Source: Platt's Gas Daily Midpoint Pricing (GDD or GDA), used as a basis for daily purchases.																		
2	DATE	GDA HH	DITLSP	TCC	Dawn	DRACUT	TGP Z0	IROQUOIS	NIAGARA	500 leg	800 leg	TETCOM3	AGT CG	TGP Z6	ELA	ETX	STX	WLA	TETCOM2
3	10/01/21	\$5,545	\$4,605	\$4,615	\$5,255	\$0,000	\$5,375	\$5,205	\$5,000	\$5,520	\$5,480	\$4,670	\$4,655	\$5,020	\$5,150	\$5,050	\$5,520	\$5,445	\$4,590
4	10/02/21	\$5,575	\$3,570	\$4,175	\$5,200	\$0,000	\$5,305	\$4,950	\$4,750	\$5,545	\$5,520	\$3,385	\$2,830	\$4,475	\$5,145	\$4,980	\$5,580	\$5,520	\$3,325
5	10/03/21	\$5,575	\$3,570	\$4,175	\$5,200	\$0,000	\$5,305	\$4,950	\$4,750	\$5,545	\$5,520	\$3,385	\$2,830	\$4,475	\$5,145	\$4,980	\$5,580	\$5,520	\$3,325
6	10/04/21	\$5,575	\$3,570	\$4,175	\$5,200	\$0,000	\$5,305	\$4,950	\$4,750	\$5,545	\$5,520	\$3,385	\$2,830	\$4,475	\$5,145	\$4,980	\$5,580	\$5,520	\$3,325
7	10/05/21	\$5,875	\$4,540	\$4,555	\$5,765	\$0,000	\$5,680	\$5,845	\$4,930	\$5,890	\$5,825	\$4,680	\$4,800	\$5,405	\$5,630	\$5,705	\$5,790	\$5,830	\$4,505
8	10/06/21	\$6,225	\$5,130	\$5,155	\$6,025	\$0,000	\$5,970	\$6,105	\$5,900	\$6,165	\$6,110	\$5,290	\$4,460	\$5,995	\$5,660	\$5,705	\$6,155	\$6,125	\$5,195
9	10/07/21	\$5,950	\$5,095	\$5,090	\$5,735	\$0,000	\$5,745	\$5,820	\$5,430	\$5,815	\$5,785	\$5,170	\$5,340	\$5,615	\$5,625	\$5,605	\$5,895	\$5,915	\$5,040
10	10/08/21	\$5,690	\$4,720	\$4,760	\$5,390	\$0,000	\$5,405	\$5,415	\$5,100	\$5,575	\$5,540	\$4,770	\$5,185	\$5,375	\$5,345	\$5,345	\$5,595	\$5,590	\$4,620
11	10/09/21	\$5,660	\$4,295	\$4,465	\$5,170	\$0,000	\$5,285	\$5,180	\$4,950	\$5,585	\$5,515	\$4,330	\$4,660	\$4,950	\$5,190	\$5,250	\$5,610	\$5,580	\$4,205
12	10/10/21	\$5,660	\$4,295	\$4,465	\$5,170	\$0,000	\$5,285	\$5,180	\$4,950	\$5,585	\$5,515	\$4,330	\$4,660	\$4,950	\$5,190	\$5,250	\$5,610	\$5,580	\$4,205
13	10/11/21	\$5,660	\$4,295	\$4,465	\$5,170	\$0,000	\$5,285	\$5,180	\$4,950	\$5,585	\$5,515	\$4,330	\$4,660	\$4,950	\$5,190	\$5,250	\$5,610	\$5,580	\$4,205
14	10/12/21	\$5,415	\$4,470	\$4,615	\$5,120	\$0,000	\$4,995	\$5,190	\$5,000	\$5,395	\$5,335	\$4,605	\$5,235	\$5,330	\$5,175	\$5,050	\$5,300	\$5,335	\$4,425
15	10/13/21	\$5,360	\$4,560	\$4,695	\$5,110	\$0,000	\$5,100	\$5,170	\$4,950	\$5,345	\$5,320	\$4,700	\$5,010	\$5,055	\$5,080	\$5,000	\$5,395	\$5,390	\$4,490
16	10/14/21	\$5,450	\$4,760	\$4,775	\$5,130	\$0,000	\$5,140	\$5,160	\$4,860	\$5,415	\$5,365	\$4,885	\$5,295	\$5,420	\$5,105	\$5,110	\$5,440	\$5,370	\$4,735
17	10/15/21	\$5,830	\$5,015	\$5,095	\$5,580	\$0,000	\$5,575	\$5,680	\$5,350	\$5,815	\$5,780	\$5,170	\$5,635	\$6,050	\$5,525	\$5,490	\$5,795	\$5,770	\$4,990
18	10/16/21	\$5,460	\$4,560	\$4,700	\$5,010	\$0,000	\$5,045	\$5,055	\$4,760	\$5,385	\$5,350	\$4,620	\$5,170	\$5,245	\$5,080	\$5,200	\$5,405	\$5,405	\$4,515
19	10/17/21	\$5,460	\$4,560	\$4,700	\$5,010	\$0,000	\$5,045	\$5,055	\$4,760	\$5,385	\$5,350	\$4,620	\$5,170	\$5,245	\$5,080	\$5,200	\$5,405	\$5,405	\$4,515
20	10/18/21	\$5,460	\$4,560	\$4,700	\$5,010	\$0,000	\$5,045	\$5,055	\$4,760	\$5,385	\$5,350	\$4,620	\$5,170	\$5,245	\$5,080	\$5,200	\$5,405	\$5,405	\$4,515
21	10/19/21	\$5,075	\$4,380	\$4,470	\$4,780	\$0,000	\$4,830	\$4,835	\$4,750	\$4,960	\$4,900	\$4,500	\$4,900	\$5,060	\$4,750	\$4,605	\$5,055	\$5,015	\$4,330
22	10/20/21	\$4,775	\$3,865	\$4,200	\$4,580	\$0,000	\$4,560	\$4,650	\$4,550	\$4,735	\$4,735	\$3,980	\$4,230	\$4,700	\$4,550	\$4,475	\$4,710	\$4,705	\$3,790
23	10/21/21	\$4,785	\$4,115	\$4,310	\$4,695	\$0,000	\$4,745	\$4,695	\$4,650	\$4,820	\$4,805	\$4,100	\$4,515	\$4,825	\$4,480	\$4,535	\$4,935	\$4,840	\$3,940
24	10/22/21	\$4,915	\$4,445	\$4,475	\$4,825	\$0,000	\$4,890	\$4,830	\$4,655	\$4,935	\$4,925	\$4,575	\$4,650	\$4,965	\$4,775	\$4,775	\$5,055	\$5,000	\$4,355
25	10/23/21	\$5,070	\$4,405	\$4,530	\$4,930	\$0,000	\$4,825	\$4,990	\$4,850	\$5,010	\$4,955	\$4,515	\$4,650	\$5,040	\$4,900	\$4,980	\$5,030	\$5,085	\$4,345
26	10/24/21	\$5,070	\$4,405	\$4,530	\$4,930	\$0,000	\$4,825	\$4,990	\$4,850	\$5,010	\$4,955	\$4,515	\$4,650	\$5,040	\$4,900	\$4,980	\$5,030	\$5,085	\$4,345
27	10/25/21	\$5,070	\$4,405	\$4,530	\$4,930	\$0,000	\$4,825	\$4,990	\$4,850	\$5,010	\$4,955	\$4,515	\$4,650	\$5,040	\$4,900	\$4,980	\$5,030	\$5,085	\$4,345
28	10/26/21	\$5,595	\$5,250	\$5,285	\$5,535	\$0,000	\$5,495	\$5,740	\$5,500	\$5,585	\$5,565	\$5,405	\$5,635	\$5,745	\$5,465	\$5,465	\$5,705	\$5,595	\$5,105
29	10/27/21	\$5,585	\$5,340	\$5,320	\$5,630	\$0,000	\$5,440	\$5,630	\$5,500	\$5,495	\$5,540	\$5,515	\$5,655	\$5,810	\$5,460	\$5,370	\$5,665	\$5,560	\$5,245
30	10/28/21	\$5,860	\$5,290	\$5,345	\$5,795	\$0,000	\$5,680	\$5,810	\$5,550	\$5,755	\$5,780	\$5,480	\$5,650	\$5,815	\$5,450	\$5,650	\$5,895	\$5,750	\$5,255
31	10/29/21	\$5,620	\$4,645	\$4,955	\$5,410	\$0,000	\$5,290	\$5,430	\$5,250	\$5,415	\$5,465	\$4,640	\$4,825	\$4,825	\$5,245	\$0,000	\$5,580	\$5,510	\$4,590
32	10/30/21	\$5,620	\$4,645	\$4,955	\$5,410	\$0,000	\$5,290	\$5,430	\$5,250	\$5,415	\$5,465	\$4,640	\$4,825	\$4,825	\$5,245	\$0,000	\$5,580	\$5,510	\$4,590
33	10/31/21	\$5,620	\$4,645	\$4,955	\$5,410	\$0,000	\$5,290	\$5,430	\$5,250	\$5,415	\$5,465	\$4,640	\$4,825	\$4,825	\$5,245	\$0,000	\$5,580	\$5,510	\$4,590
34																			
35																			

Source: Platt's Inside FERC's Gas Market Report (First of Month Pricing), used as a basis for monthly purchases. * NYMEX settle.																		
DATE	NYMEX*	Dom SP	TCO	Dawn	Leidy Hub	TGP Z0	IGT-Repts	NIAGARA	500 leg	800 leg	M3	AGT CG	TGP Z6	ELA	ETX	STX	WLA	M2
Oct-21	\$5,841	\$4,560	\$4,810	\$5,430	\$4,470	\$5,550	\$5,330	\$5,280	\$5,770	\$5,740	\$4,680	\$5,430	\$5,520	\$5,630	\$5,720	\$5,870	\$5,780	\$4,480
Basis	N/A	(\$1,281)	(\$1,031)	(\$0,411)	(\$1,371)	(\$0,291)	(\$0,511)	(\$0,561)	(\$0,071)	(\$0,101)	(\$1,161)	(\$0,411)	(\$0,321)	(\$0,211)	(\$0,121)	\$0,029	(\$0,061)	(\$1,361)

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	
1	Source: Platt's Gas Daily Midpoint Pricing (GDD or GDA), used as a basis for daily purchases.																			
2	DATE	GDA HH	EGTS SP	TCCO	Dawn,On	DRACUT	TGP Z0	IROQUOIS	NIAGARA	500 leg	800 leg	TETCOM3	AGT CG	TGP Z6	ELA	ETX	STX	WLA	TETCOM2	
3	11/01/21	\$5.355	\$4.295	\$4.500	\$5.190	\$0.000	\$5.125	\$5.205	\$4.640	\$5.260	\$5.125	\$4.385	\$4.905	\$4.965	\$4.920	\$4.500	\$5.240	\$5.175	\$4.185	
4	11/02/21	\$5.165	\$4.765	\$4.705	\$5.050	\$0.000	\$4.825	\$5.155	\$4.850	\$5.075	\$5.070	\$4.930	\$5.220	\$5.150	\$4.825	\$4.850	\$4.925	\$4.960	\$4.750	
5	11/03/21	\$5.360	\$4.980	\$5.005	\$5.285	\$0.000	\$5.185	\$5.465	\$5.045	\$5.370	\$5.335	\$5.215	\$5.715	\$5.650	\$5.265	\$5.210	\$5.295	\$5.315	\$5.005	
6	11/04/21	\$5.585	\$5.200	\$5.175	\$5.525	\$0.000	\$5.440	\$5.735	\$5.360	\$5.630	\$5.575	\$5.505	\$6.020	\$5.880	\$5.510	\$5.500	\$5.510	\$5.550	\$5.200	
7	11/05/21	\$5.700	\$5.170	\$5.160	\$5.585	\$0.000	\$5.505	\$5.625	\$5.330	\$5.685	\$5.575	\$5.355	\$5.750	\$5.730	\$5.600	\$5.485	\$5.540	\$5.620	\$5.135	
8	11/06/21	\$5.330	\$4.670	\$4.805	\$5.155	\$0.000	\$5.055	\$5.205	\$0.000	\$5.335	\$5.290	\$4.845	\$5.210	\$5.150	\$5.185	\$5.020	\$5.245	\$5.295	\$4.610	
9	11/07/21	\$5.330	\$4.670	\$4.805	\$5.155	\$0.000	\$5.055	\$5.205	\$0.000	\$5.335	\$5.290	\$4.845	\$5.210	\$5.150	\$5.185	\$5.020	\$5.245	\$5.295	\$4.610	
10	11/08/21	\$5.330	\$4.670	\$4.805	\$5.155	\$0.000	\$5.055	\$5.205	\$0.000	\$5.335	\$5.290	\$4.845	\$5.210	\$5.150	\$5.185	\$5.020	\$5.245	\$5.295	\$4.610	
11	11/09/21	\$5.460	\$4.560	\$4.655	\$5.260	\$0.000	\$4.925	\$5.340	\$0.000	\$5.345	\$5.280	\$4.650	\$4.920	\$5.005	\$5.085	\$5.140	\$5.220	\$5.295	\$4.500	
12	11/10/21	\$5.075	\$4.070	\$4.275	\$4.875	\$0.000	\$4.575	\$4.970	\$4.450	\$5.010	\$4.845	\$4.180	\$4.600	\$4.790	\$4.590	\$4.530	\$4.790	\$4.855	\$4.035	
13	11/11/21	\$4.575	\$3.670	\$3.800	\$4.565	\$0.000	\$4.290	\$4.645	\$4.200	\$4.560	\$4.565	\$3.765	\$4.135	\$4.380	\$4.260	\$4.315	\$4.475	\$4.610	\$3.605	
14	11/12/21	\$4.795	\$3.950	\$4.085	\$4.745	\$0.000	\$4.520	\$4.710	\$0.000	\$4.730	\$4.660	\$4.000	\$4.215	\$4.520	\$4.485	\$4.470	\$4.635	\$4.680	\$3.890	
15	11/13/21	\$4.890	\$4.365	\$4.455	\$4.825	\$0.000	\$4.595	\$4.970	\$0.000	\$4.870	\$4.735	\$4.500	\$5.170	\$5.270	\$4.560	\$4.625	\$4.675	\$4.765	\$3.840	
16	11/14/21	\$4.890	\$4.365	\$4.455	\$4.825	\$0.000	\$4.595	\$4.970	\$0.000	\$4.870	\$4.735	\$4.500	\$5.170	\$5.270	\$4.560	\$4.625	\$4.675	\$4.765	\$3.890	
17	11/15/21	\$4.890	\$4.365	\$4.455	\$4.825	\$0.000	\$4.595	\$4.970	\$0.000	\$4.870	\$4.735	\$4.500	\$5.170	\$5.270	\$4.560	\$4.625	\$4.675	\$4.765	\$3.890	
18	11/16/21	\$4.710	\$4.320	\$4.365	\$4.715	\$5.800	\$4.430	\$4.910	\$4.700	\$4.600	\$4.550	\$4.515	\$5.070	\$5.240	\$4.335	\$4.500	\$4.455	\$4.570	\$4.310	
19	11/17/21	\$5.055	\$4.490	\$4.625	\$5.070	\$0.000	\$4.825	\$5.150	\$4.905	\$4.990	\$4.980	\$4.690	\$4.900	\$5.205	\$4.570	\$4.850	\$4.885	\$4.905	\$4.500	
20	11/18/21	\$4.790	\$4.310	\$4.440	\$4.730	\$0.000	\$4.725	\$4.875	\$4.700	\$4.745	\$4.700	\$4.450	\$4.555	\$4.880	\$4.540	\$4.655	\$4.740	\$4.785	\$4.300	
21	11/19/21	\$4.975	\$4.590	\$4.655	\$4.835	\$0.000	\$4.780	\$4.910	\$0.000	\$4.950	\$4.950	\$4.855	\$5.035	\$5.060	\$4.825	\$4.780	\$4.800	\$4.775	\$4.625	
22	11/20/21	\$4.900	\$4.520	\$4.570	\$4.770	\$0.000	\$4.725	\$4.880	\$4.700	\$4.870	\$4.765	\$4.670	\$4.920	\$5.630	\$4.710	\$4.680	\$4.770	\$4.755	\$4.465	
23	11/21/21	\$4.900	\$4.520	\$4.570	\$4.770	\$0.000	\$4.725	\$4.880	\$4.700	\$4.870	\$4.765	\$4.670	\$4.920	\$5.630	\$4.710	\$4.680	\$4.770	\$4.755	\$4.465	
24	11/22/21	\$4.900	\$4.520	\$4.570	\$4.770	\$0.000	\$4.725	\$4.880	\$4.700	\$4.870	\$4.765	\$4.670	\$4.920	\$5.630	\$4.710	\$4.680	\$4.770	\$4.755	\$4.465	
25	11/23/21	\$4.765	\$4.375	\$4.475	\$4.570	\$0.000	\$4.410	\$5.025	\$4.650	\$4.705	\$4.575	\$6.935	\$9.640	\$10.125	\$4.625	\$4.425	\$4.500	\$4.620	\$4.400	
26	11/24/21	\$4.895	\$4.470	\$4.560	\$4.810	\$0.000	\$4.610	\$5.040	\$4.700	\$4.875	\$4.755	\$4.760	\$5.560	\$5.810	\$4.760	\$4.550	\$4.710	\$4.810	\$4.455	
27	11/25/21	\$4.895	\$4.555	\$4.655	\$4.885	\$0.000	\$4.630	\$5.235	\$4.700	\$4.945	\$4.845	\$5.045	\$6.885	\$7.215	\$4.810	\$4.350	\$4.775	\$4.850	\$4.650	
28	11/26/21	\$4.895	\$4.555	\$4.655	\$4.885	\$0.000	\$4.630	\$5.235	\$4.700	\$4.945	\$4.845	\$5.045	\$6.885	\$7.215	\$4.810	\$4.350	\$4.775	\$4.850	\$4.650	
29	11/27/21	\$4.895	\$4.555	\$4.655	\$4.885	\$0.000	\$4.630	\$5.235	\$4.700	\$4.945	\$4.845	\$5.045	\$6.885	\$7.215	\$4.810	\$4.350	\$4.775	\$4.850	\$4.650	
30	11/28/21	\$4.895	\$4.555	\$4.655	\$4.885	\$0.000	\$4.630	\$5.235	\$4.700	\$4.945	\$4.845	\$5.045	\$6.885	\$7.215	\$4.810	\$4.350	\$4.775	\$4.850	\$4.650	
31	11/29/21	\$4.895	\$4.555	\$4.655	\$4.885	\$0.000	\$4.630	\$5.235	\$4.700	\$4.945	\$4.845	\$5.045	\$6.885	\$7.215	\$4.810	\$4.350	\$4.775	\$4.850	\$4.650	
32	11/30/21	\$4.860	\$4.520	\$4.510	\$4.785	\$0.000	\$4.660	\$5.100	\$4.675	\$4.840	\$4.745	\$5.295	\$8.325	\$8.085	\$4.745	\$4.520	\$4.730	\$4.800	\$4.535	
33																				
34																				
35																				
36	Source: Platt's Inside FERC's Gas Market Report (First of Month Pricing), used as a basis for monthly purchases. * NYMEX settle.																			
37	DATE	NYMEX*	EGTS SP	TCCO	Dawn	Leidy,Hub	TGP Z0	IGT-Repts	NIAGARA	500 leg	800 leg	M3	AGT CG	TGP Z6	ELA	ETX	STX	WLA	M2	
38	Nov-21	\$6.202	\$5.450	\$5.560	\$6.080	\$5.460	\$6.030	\$6.340	\$5.810	\$6.160	\$6.130	\$5.880	\$8.010	\$8.980	\$5.940	\$6.020	\$6.170	\$6.140	\$5.400	
39	Basis	N/A	(\$0.752)	(\$0.642)	(\$0.122)	(\$0.742)	(\$0.172)	\$0.138	(\$0.392)	(\$0.042)	(\$0.072)	(\$0.322)	\$1.808	\$2.778	(\$0.262)	(\$0.182)	(\$0.032)	(\$0.062)	(\$0.802)	

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	
Source: Platt's Gas Daily Midpoint Pricing (GDD or GDA), used as a basis for daily purchases.																			
1	DATE	GDA_HH	DITLSP	TCO	Dawn_On	DRACUT	TGP_Z0	IROQUOIS	NIAGARA	500_leg	800_leg	TETCOM3	AGT_CG	TGP_Z6	ELA	ETX	STX	WLA	TETCOM2
2	12/01/21	\$4.505	\$3.965	\$4.015	\$4.415	\$0.000	\$4.215	\$4.765	\$4.050	\$4.490	\$4.430	\$7.855	\$8.115	\$4.330	\$4.050	\$4.330	\$4.330	\$4.345	\$3.990
3	12/02/21	\$4.225	\$3.650	\$3.750	\$4.240	\$0.000	\$3.890	\$4.365	\$3.750	\$4.205	\$3.855	\$4.925	\$5.355	\$3.845	\$3.655	\$3.655	\$3.995	\$4.005	\$3.700
4	12/03/21	\$4.040	\$3.600	\$3.650	\$4.195	\$0.000	\$3.810	\$4.490	\$3.805	\$3.975	\$3.880	\$7.745	\$8.100	\$3.885	\$3.625	\$3.900	\$3.900	\$3.915	\$3.620
5	12/04/21	\$3.855	\$3.310	\$3.460	\$4.035	\$0.000	\$3.700	\$4.170	\$3.655	\$3.795	\$3.510	\$4.925	\$5.000	\$3.750	\$3.520	\$3.760	\$3.815	\$3.350	\$3.350
6	12/05/21	\$3.855	\$3.310	\$3.460	\$4.035	\$0.000	\$3.700	\$4.170	\$3.655	\$3.795	\$3.510	\$4.925	\$5.000	\$3.750	\$3.520	\$3.760	\$3.815	\$3.350	\$3.350
7	12/06/21	\$3.855	\$3.310	\$3.460	\$4.035	\$0.000	\$3.700	\$4.170	\$3.655	\$3.795	\$3.510	\$4.925	\$5.000	\$3.750	\$3.520	\$3.760	\$3.815	\$3.350	\$3.350
8	12/07/21	\$3.630	\$3.070	\$3.165	\$3.595	\$0.000	\$3.430	\$3.915	\$3.600	\$3.570	\$3.685	\$7.565	\$7.575	\$3.440	\$3.265	\$3.475	\$3.430	\$3.150	\$3.150
9	12/08/21	\$3.640	\$3.135	\$3.245	\$3.670	\$0.000	\$3.525	\$4.145	\$3.460	\$3.655	\$5.505	\$12.140	\$12.170	\$3.555	\$3.320	\$3.580	\$3.565	\$3.185	\$3.185
10	12/09/21	\$3.790	\$3.160	\$3.250	\$3.730	\$0.000	\$3.670	\$4.060	\$3.460	\$3.740	\$3.665	\$8.615	\$8.670	\$3.605	\$3.475	\$3.665	\$3.690	\$3.180	\$3.180
11	12/10/21	\$3.655	\$2.920	\$2.960	\$3.665	\$0.000	\$3.415	\$3.715	\$3.150	\$3.600	\$3.130	\$3.710	\$3.910	\$3.535	\$3.345	\$3.520	\$3.555	\$2.940	\$2.940
12	12/11/21	\$3.670	\$2.805	\$3.005	\$3.715	\$0.000	\$3.500	\$3.795	\$3.310	\$3.695	\$3.000	\$3.885	\$4.005	\$3.600	\$3.350	\$3.635	\$3.655	\$2.815	\$2.815
13	12/12/21	\$3.670	\$2.805	\$3.005	\$3.715	\$0.000	\$3.500	\$3.795	\$3.310	\$3.695	\$3.000	\$3.885	\$4.005	\$3.600	\$3.350	\$3.635	\$3.655	\$2.815	\$2.815
14	12/13/21	\$3.670	\$2.805	\$3.005	\$3.715	\$0.000	\$3.500	\$3.795	\$3.310	\$3.695	\$3.000	\$3.885	\$4.005	\$3.600	\$3.350	\$3.635	\$3.655	\$2.815	\$2.815
15	12/14/21	\$3.960	\$3.155	\$3.245	\$3.875	\$0.000	\$3.730	\$4.090	\$3.625	\$3.945	\$3.350	\$4.550	\$4.825	\$3.830	\$3.655	\$3.835	\$3.845	\$3.185	\$3.185
16	12/15/21	\$3.645	\$2.735	\$2.880	\$3.550	\$0.000	\$3.380	\$3.530	\$3.245	\$3.635	\$2.945	\$3.520	\$3.745	\$3.535	\$3.330	\$3.485	\$3.540	\$2.730	\$2.730
17	12/16/21	\$3.750	\$2.770	\$2.950	\$3.665	\$0.000	\$3.500	\$3.605	\$3.270	\$3.715	\$2.895	\$3.510	\$3.580	\$3.660	\$3.505	\$3.585	\$3.645	\$2.785	\$2.785
18	12/17/21	\$3.675	\$2.850	\$2.970	\$3.705	\$0.000	\$3.540	\$3.700	\$3.350	\$3.650	\$2.965	\$3.860	\$3.980	\$3.595	\$3.455	\$3.655	\$3.675	\$2.840	\$2.840
19	12/18/21	\$3.615	\$3.025	\$2.985	\$3.625	\$0.000	\$3.505	\$4.175	\$3.525	\$3.630	\$3.685	\$28.060	\$33.175	\$3.590	\$3.475	\$3.580	\$3.000	\$3.030	\$3.030
20	12/19/21	\$3.615	\$3.025	\$2.985	\$3.625	\$0.000	\$3.505	\$4.175	\$3.525	\$3.630	\$3.685	\$28.060	\$33.175	\$3.590	\$3.475	\$3.580	\$3.000	\$3.030	\$3.030
21	12/20/21	\$3.615	\$3.025	\$2.985	\$3.625	\$0.000	\$3.505	\$4.175	\$3.525	\$3.630	\$3.685	\$28.060	\$33.175	\$3.590	\$3.475	\$3.580	\$3.000	\$3.030	\$3.030
22	12/21/21	\$3.880	\$3.075	\$3.135	\$3.770	\$0.000	\$3.760	\$3.955	\$0.000	\$3.855	\$3.800	\$7.660	\$8.320	\$3.845	\$3.645	\$3.810	\$3.840	\$3.090	\$3.090
23	12/22/21	\$3.915	\$3.135	\$3.170	\$3.775	\$0.000	\$3.695	\$4.075	\$3.500	\$3.885	\$3.805	\$9.950	\$10.040	\$3.840	\$3.715	\$3.770	\$3.815	\$3.150	\$3.150
24	12/23/21	\$3.985	\$3.135	\$3.150	\$3.940	\$0.000	\$3.680	\$4.205	\$3.500	\$3.895	\$3.870	\$14.580	\$14.415	\$3.800	\$3.605	\$3.810	\$3.860	\$3.155	\$3.155
25	12/24/21	\$3.515	\$2.420	\$2.550	\$3.615	\$0.000	\$3.080	\$3.815	\$2.785	\$3.290	\$2.565	\$7.335	\$6.675	\$3.030	\$3.085	\$3.140	\$3.215	\$2.435	\$2.435
26	12/25/21	\$3.515	\$2.420	\$2.550	\$3.615	\$0.000	\$3.080	\$3.815	\$2.785	\$3.290	\$2.565	\$7.335	\$6.675	\$3.030	\$3.085	\$3.140	\$3.215	\$2.435	\$2.435
27	12/26/21	\$3.515	\$2.420	\$2.550	\$3.615	\$0.000	\$3.080	\$3.815	\$2.785	\$3.290	\$2.565	\$7.335	\$6.675	\$3.030	\$3.085	\$3.140	\$3.215	\$2.435	\$2.435
28	12/27/21	\$3.515	\$2.420	\$2.550	\$3.615	\$0.000	\$3.080	\$3.815	\$2.785	\$3.290	\$2.565	\$7.335	\$6.675	\$3.030	\$3.085	\$3.140	\$3.215	\$2.435	\$2.435
29	12/28/21	\$3.295	\$2.645	\$2.720	\$3.815	\$0.000	\$3.045	\$4.055	\$0.000	\$3.145	\$2.760	\$4.600	\$5.095	\$2.760	\$3.125	\$3.120	\$3.205	\$2.650	\$2.650
30	12/29/21	\$3.300	\$2.255	\$2.635	\$3.890	\$0.000	\$3.225	\$3.955	\$0.000	\$3.290	\$2.480	\$4.115	\$4.460	\$3.220	\$3.090	\$3.355	\$3.365	\$2.255	\$2.255
31	12/30/21	\$3.400	\$2.320	\$2.585	\$3.765	\$0.000	\$3.190	\$3.800	\$0.000	\$3.300	\$2.420	\$3.780	\$3.945	\$3.225	\$3.000	\$3.225	\$3.305	\$2.330	\$2.330
32	12/31/21	\$3.400	\$2.320	\$2.585	\$3.765	\$0.000	\$3.190	\$3.800	\$0.000	\$3.300	\$2.420	\$3.780	\$3.945	\$3.225	\$3.000	\$3.225	\$3.305	\$2.330	\$2.330
33	12/31/21	\$3.400	\$2.320	\$2.585	\$3.765	\$0.000	\$3.190	\$3.800	\$0.000	\$3.300	\$2.420	\$3.780	\$3.945	\$3.225	\$3.000	\$3.225	\$3.305	\$2.330	\$2.330
34																			
35																			

Source: Platt's Inside FERC's Gas Market Report (First of Month Pricing), used as a basis for monthly purchases. * NYMEX settle.																		
DATE	NYMEX*	Dom SP	TCO	Dawn	Leidy_Hub	TGP_Z0	IGT-Repts	NIAGARA	M3	AGT_CG	TGP_Z6	ELA	ETX	STX	WLA	M2		
Dec-21	\$5.447	\$4.830	\$4.950	\$5.300	\$4.820	\$5.280	\$6.150	\$5.200	\$7.310	\$12.150	\$12.450	\$5.220	\$5.340	\$5.490	\$5.370	\$4.830		
Basis	N/A	(\$0.617)	(\$0.497)	(\$0.147)	(\$0.627)	(\$0.167)	\$0.703	(\$0.247)	\$1.863	\$6.703	\$7.003	(\$0.227)	(\$0.107)	\$0.043	(\$0.077)	(\$0.617)		

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	
Source: Platt's Gas Daily Midpoint Pricing (GDD or GDA), used as a basis for daily purchases.																			
1	DATE	GDA_HH	DITLSP	TCO	Dawn_On	DRACUT	TGP_Z0	IROQUOIS	NIAGARA	500_leg	800_leg	TETCOM3	AGT_CG	TGP_Z6	ELA	ETX	STX	WLA	TETCOM2
2	01/01/22	\$3.700	\$2.675	\$2.745	\$3.565	\$0.000	\$3.505	\$3.980	\$3.050	\$3.570	\$3.605	\$3.260	\$5.490	\$5.395	\$3.245	\$3.475	\$3.540	\$3.520	\$2.725
3	01/02/22	\$3.700	\$2.675	\$2.745	\$3.565	\$0.000	\$3.505	\$3.980	\$3.050	\$3.570	\$3.605	\$3.260	\$5.490	\$5.395	\$3.245	\$3.475	\$3.540	\$3.520	\$2.725
4	01/03/22	\$3.700	\$2.675	\$2.745	\$3.565	\$0.000	\$3.505	\$3.980	\$3.050	\$3.570	\$3.605	\$3.260	\$5.490	\$5.395	\$3.245	\$3.475	\$3.540	\$3.520	\$2.725
5	01/04/22	\$3.580	\$2.990	\$3.030	\$3.475	\$10.000	\$3.405	\$4.000	\$3.345	\$3.535	\$3.525	\$8.235	\$10.570	\$9.680	\$3.455	\$3.400	\$3.420	\$3.495	\$3.075
6	01/05/22	\$3.755	\$3.175	\$3.265	\$3.740	\$0.000	\$3.615	\$3.930	\$3.540	\$3.715	\$3.670	\$5.065	\$6.950	\$7.160	\$3.660	\$3.570	\$3.660	\$3.635	\$3.220
7	01/06/22	\$3.785	\$3.375	\$3.440	\$3.905	\$0.000	\$3.750	\$4.235	\$3.715	\$3.805	\$3.795	\$7.040	\$11.560	\$12.455	\$3.795	\$3.780	\$3.790	\$3.805	\$3.515
8	01/07/22	\$3.930	\$3.455	\$3.540	\$3.855	\$0.000	\$3.720	\$4.380	\$3.825	\$3.865	\$3.805	\$15.465	\$23.115	\$23.225	\$3.805	\$3.690	\$3.765	\$3.735	\$3.580
9	01/08/22	\$3.825	\$3.445	\$3.540	\$3.815	\$0.000	\$3.645	\$5.450	\$3.830	\$3.815	\$3.735	\$10.015	\$21.960	\$24.005	\$3.770	\$3.635	\$3.690	\$3.755	\$3.590
10	01/09/22	\$3.825	\$3.445	\$3.540	\$3.815	\$0.000	\$3.645	\$5.450	\$3.830	\$3.815	\$3.735	\$10.015	\$21.960	\$24.005	\$3.770	\$3.635	\$3.690	\$3.755	\$3.590
11	01/10/22	\$3.825	\$3.445	\$3.540	\$3.815	\$0.000	\$3.645	\$5.450	\$3.830	\$3.815	\$3.735	\$10.015	\$21.960	\$24.005	\$3.770	\$3.635	\$3.690	\$3.755	\$3.590
12	01/11/22	\$4.135	\$3.600	\$3.785	\$3.975	\$30.000	\$3.915	\$5.120	\$4.050	\$4.085	\$3.980	\$10.175	\$20.120	\$20.365	\$4.000	\$3.945	\$3.985	\$4.020	\$3.700
13	01/12/22	\$4.055	\$3.540	\$3.700	\$3.855	\$0.000	\$3.880	\$4.725	\$3.920	\$4.025	\$3.980	\$5.405	\$16.330	\$17.090	\$3.935	\$3.820	\$3.980	\$3.995	\$3.670
14	01/13/22	\$4.585	\$4.290	\$4.330	\$4.390	\$0.000	\$4.450	\$7.600	\$4.500	\$4.620	\$4.450	\$5.225	\$18.960	\$18.420	\$4.510	\$4.320	\$4.485	\$4.580	\$4.275
15	01/14/22	\$4.765	\$4.215	\$4.245	\$4.430	\$28.625	\$4.465	\$9.435	\$4.535	\$4.650	\$4.560	\$8.370	\$25.000	\$26.285	\$4.510	\$4.365	\$4.525	\$4.500	\$4.265
16	01/15/22	\$4.360	\$3.880	\$4.060	\$4.120	\$0.000	\$4.130	\$22.460	\$5.440	\$4.260	\$4.200	\$11.150	\$26.940	\$24.590	\$4.180	\$4.115	\$4.180	\$4.200	\$4.010
17	01/16/22	\$4.360	\$3.880	\$4.060	\$4.120	\$0.000	\$4.130	\$22.460	\$5.440	\$4.260	\$4.200	\$11.150	\$26.940	\$24.590	\$4.180	\$4.115	\$4.180	\$4.200	\$4.010
18	01/17/22	\$4.360	\$3.880	\$4.060	\$4.120	\$0.000	\$4.130	\$22.460	\$5.440	\$4.260	\$4.200	\$11.150	\$26.940	\$24.590	\$4.180	\$4.115	\$4.180	\$4.200	\$4.010
19	01/18/22	\$4.360	\$3.880	\$4.060	\$4.120	\$0.000	\$4.130	\$22.460	\$5.440	\$4.260	\$4.200	\$11.150	\$26.940	\$24.590	\$4.180	\$4.115	\$4.180	\$4.200	\$4.010
20	01/19/22	\$4.480	\$4.305	\$4.200	\$4.350	\$0.000	\$4.260	\$7.955	\$4.600	\$4.405	\$4.200	\$5.435	\$14.985	\$16.465	\$4.375	\$4.300	\$4.320	\$4.345	\$4.325
21	01/20/22	\$4.740	\$4.350	\$4.325	\$4.430	\$0.000	\$4.600	\$10.775	\$4.855	\$4.680	\$4.615	\$14.255	\$22.690	\$21.460	\$4.590	\$4.535	\$4.630	\$4.605	\$4.380
22	01/21/22	\$4.270	\$3.850	\$3.900	\$3.935	\$24.810	\$4.070	\$14.225	\$4.370	\$4.090	\$3.990	\$17.685	\$21.635	\$22.135	\$4.055	\$4.160	\$4.050	\$3.970	\$3.920
23	01/22/22	\$4.085	\$3.710	\$3.730	\$3.910	\$0.000	\$3.800	\$16.950	\$4.190	\$3.965	\$3.850	\$12.600	\$21.595	\$21.785	\$3.875	\$3.725	\$3.870	\$3.890	\$3.720
24	01/23/22	\$4.085	\$3.710	\$3.730	\$3.910	\$0.000	\$3.800	\$16.950	\$4.190	\$3.965	\$3.850	\$12.600	\$21.595	\$21.785	\$3.875	\$3.725	\$3.870	\$3.890	\$3.720
25	01/24/22	\$4.085	\$3.710	\$3.730	\$3.910	\$0.000	\$3.800	\$16.950	\$4.190	\$3.965	\$3.850	\$12.600	\$21.595	\$21.785	\$3.875	\$3.725	\$3.870	\$3.890	\$3.720
26	01/25/22	\$4.140	\$3.940	\$3.890	\$4.075	\$0.000	\$3.890	\$15.010	\$4.450	\$4.120	\$4.015	\$6.725	\$20.730	\$21.165	\$4.045	\$4.000	\$3.930	\$3.970	\$3.970
27	01/26/22	\$4.160	\$3.855	\$3.915	\$4.055	\$27.000	\$3.955	\$22.715	\$5.175	\$4.100	\$4.065	\$13.595	\$24.615	\$24.270	\$4.000	\$3.970	\$3.965	\$3.965	\$3.865
28	01/27/22	\$4.370	\$4.020	\$4.105	\$4.280	\$25.000	\$4.215	\$13.260	\$4.680	\$4.305	\$4.265	\$9.845	\$20.710	\$21.010	\$4.215	\$4.190	\$4.240	\$4.270	\$4.100
29	01/28/22	\$4.450	\$4.250	\$4.230	\$4.325	\$23.000	\$4.220	\$18.480	\$4.855	\$4.475	\$4.305	\$9.155	\$23.380	\$22.945	\$4.360	\$4.350	\$4.250	\$4.395	\$4.280
30	01/29/22	\$5.630	\$5.030	\$5.320	\$5.060	\$27.505	\$5.130	\$24.500	\$6.140	\$5.540	\$5.155	\$14.520	\$27.930	\$27.475	\$5.305	\$5.190	\$5.240	\$5.450	\$5.155
31	01/30/22	\$5.630	\$5.030	\$5.320	\$5.060	\$27.505	\$5.130	\$24.500	\$6.140	\$5.540	\$5.155	\$14.520	\$27.930	\$27.475	\$5.305	\$5.190	\$5.240	\$5.450	\$5.155
32	01/31/22	\$5.630	\$5.030	\$5.320	\$5.060	\$27.505	\$5.130	\$24.500	\$6.140	\$5.540	\$5.155	\$14.520	\$27.930	\$27.475	\$5.305	\$5.190	\$5.240	\$5.450	\$5.155
33																			
34																			
35																			
Source: Platt's Inside FERC's Gas Market Report (First of Month Pricing), used as a basis for monthly purchases. * NYMEX settle.																			
36	DATE	NYMEX*	Dom SP	TCO	Dawn	Leidy_Hub	TGP_Z0	IGT-Repts	NIAGARA	500_leg	800_leg	M3	AGT_CG	TGP_Z6	ELA	ETX	STX	WLA	M2
37	Jan-22	\$4.024	\$3.150	\$3.300	\$4.140	\$3.170	\$3.990	\$5.430	\$3.820	\$3.970	\$3.960	\$5.880	\$19.390	\$20.020	\$3.800	\$4.060	\$4.210	\$3.950	\$3.170
38	Basis	N/A	(\$0.874)	(\$0.724)	\$0.116	(\$0.854)	(\$0.034)	\$1.406	(\$0.204)	(\$0.054)	(\$0.064)	\$1.856	\$15.366	\$15.996	(\$0.224)	\$0.036	\$0.186	(\$0.074)	(\$0.854)
39																			

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	
Source: Platt's Gas Daily Midpoint Pricing (GDD or GDA), used as a basis for daily purchases.																			
1	DATE	GDA HH	EGTS SP	TCO	Dawn On	DRACUT	TGP Z0	IROQUOIS	NIAGARA	500 leg	800 leg	TETCOM3	AGT CG	TGP Z6	ELA	ETX	STX	WLA	TETCOM2
2	02/01/22	\$5.575	\$4.960	\$4.940	\$5.065	\$0.000	\$5.010	\$10.135	\$5.050	\$5.595	\$5.360	\$6.320	\$22.655	\$22.845	\$5.125	\$5.030	\$5.080	\$5.365	\$4.980
3	02/02/22	\$5.455	\$5.010	\$5.015	\$5.080	\$0.000	\$5.215	\$5.530	\$5.455	\$5.330	\$5.295	\$5.865	\$12.630	\$12.535	\$5.135	\$5.320	\$5.160	\$5.170	\$5.070
4	02/03/22	\$6.440	\$5.745	\$5.890	\$5.750	\$0.000	\$6.215	\$6.355	\$5.795	\$6.110	\$6.095	\$6.605	\$14.860	\$16.630	\$5.920	\$6.100	\$6.375	\$6.150	\$5.840
5	02/04/22	\$5.865	\$5.300	\$5.355	\$5.130	\$24.000	\$5.845	\$6.875	\$5.520	\$5.555	\$5.515	\$7.050	\$22.805	\$23.080	\$5.490	\$5.550	\$5.820	\$5.450	\$5.390
6	02/05/22	\$5.340	\$4.995	\$5.005	\$4.985	\$20.000	\$5.035	\$10.970	\$5.360	\$5.220	\$5.135	\$10.715	\$21.335	\$21.790	\$5.150	\$5.010	\$5.055	\$5.135	\$4.995
7	02/06/22	\$5.340	\$4.995	\$5.005	\$4.985	\$20.000	\$5.035	\$10.970	\$5.360	\$5.220	\$5.135	\$10.715	\$21.335	\$21.790	\$5.150	\$5.010	\$5.055	\$5.135	\$4.995
8	02/07/22	\$5.340	\$4.995	\$5.005	\$4.985	\$20.000	\$5.035	\$10.970	\$5.360	\$5.220	\$5.135	\$10.715	\$21.335	\$21.790	\$5.150	\$5.010	\$5.055	\$5.135	\$4.995
9	02/08/22	\$4.350	\$3.995	\$3.970	\$4.210	\$0.000	\$4.030	\$4.505	\$4.150	\$4.345	\$4.190	\$4.700	\$11.990	\$12.795	\$4.180	\$4.100	\$4.155	\$4.205	\$3.975
10	02/09/22	\$4.290	\$3.865	\$3.915	\$4.175	\$0.000	\$4.030	\$4.315	\$4.025	\$4.310	\$4.230	\$4.250	\$10.825	\$11.280	\$4.225	\$4.090	\$4.165	\$4.245	\$3.875
11	02/10/22	\$4.055	\$3.645	\$3.670	\$3.890	\$0.000	\$3.760	\$4.055	\$3.935	\$4.020	\$3.945	\$3.920	\$8.325	\$8.705	\$3.825	\$3.700	\$3.745	\$3.895	\$3.680
12	02/11/22	\$3.885	\$3.310	\$3.345	\$3.735	\$0.000	\$3.635	\$3.825	\$3.600	\$3.805	\$3.755	\$3.460	\$4.210	\$4.410	\$3.645	\$3.610	\$3.710	\$3.800	\$3.330
13	02/12/22	\$3.930	\$3.495	\$3.590	\$3.870	\$14.000	\$3.670	\$7.640	\$3.970	\$3.900	\$3.805	\$5.610	\$14.550	\$14.360	\$3.700	\$3.680	\$3.745	\$3.840	\$3.585
14	02/13/22	\$3.930	\$3.495	\$3.590	\$3.870	\$14.000	\$3.670	\$7.640	\$3.970	\$3.900	\$3.805	\$5.610	\$14.550	\$14.360	\$3.700	\$3.680	\$3.745	\$3.840	\$3.585
15	02/14/22	\$3.930	\$3.495	\$3.590	\$3.870	\$14.000	\$3.670	\$7.640	\$3.970	\$3.900	\$3.805	\$5.610	\$14.550	\$14.360	\$3.700	\$3.680	\$3.745	\$3.840	\$3.585
16	02/15/22	\$4.050	\$3.725	\$3.725	\$3.950	\$20.000	\$3.820	\$16.855	\$4.190	\$4.015	\$3.965	\$6.415	\$22.475	\$21.900	\$3.960	\$3.840	\$3.900	\$4.000	\$3.830
17	02/16/22	\$4.265	\$3.580	\$3.705	\$4.095	\$5.000	\$3.940	\$4.340	\$3.800	\$4.210	\$4.145	\$3.815	\$4.685	\$4.875	\$4.015	\$3.990	\$4.090	\$4.160	\$3.630
18	02/17/22	\$4.385	\$3.675	\$3.785	\$4.280	\$0.000	\$4.170	\$4.270	\$3.875	\$4.330	\$4.295	\$3.800	\$4.130	\$4.235	\$4.170	\$4.190	\$4.290	\$4.335	\$3.660
19	02/18/22	\$4.570	\$4.135	\$4.230	\$4.500	\$9.500	\$4.405	\$5.675	\$4.520	\$4.560	\$4.515	\$4.440	\$8.165	\$8.590	\$4.450	\$4.430	\$4.475	\$4.565	\$4.190
20	02/19/22	\$4.600	\$4.015	\$4.135	\$4.430	\$11.000	\$4.215	\$5.770	\$4.650	\$4.495	\$4.440	\$4.545	\$9.665	\$9.875	\$4.310	\$4.225	\$4.285	\$4.465	\$4.115
21	02/20/22	\$4.600	\$4.015	\$4.135	\$4.430	\$11.000	\$4.215	\$5.770	\$4.650	\$4.495	\$4.440	\$4.545	\$9.665	\$9.875	\$4.310	\$4.225	\$4.285	\$4.465	\$4.115
22	02/21/22	\$4.600	\$4.015	\$4.135	\$4.430	\$11.000	\$4.215	\$5.770	\$4.650	\$4.495	\$4.440	\$4.545	\$9.665	\$9.875	\$4.310	\$4.225	\$4.285	\$4.465	\$4.115
23	02/22/22	\$4.600	\$4.015	\$4.135	\$4.430	\$11.000	\$4.215	\$5.770	\$4.650	\$4.495	\$4.440	\$4.545	\$9.665	\$9.875	\$4.310	\$4.225	\$4.285	\$4.465	\$4.115
24	02/23/22	\$4.480	\$3.840	\$3.975	\$4.445	\$0.000	\$4.305	\$4.670	\$4.150	\$4.410	\$4.415	\$3.985	\$4.695	\$4.860	\$4.275	\$4.250	\$4.300	\$4.400	\$3.860
25	02/24/22	\$4.570	\$4.170	\$4.190	\$4.590	\$15.000	\$4.405	\$9.455	\$4.850	\$4.720	\$4.495	\$4.860	\$15.085	\$14.665	\$4.420	\$4.345	\$4.440	\$4.475	\$4.265
26	02/25/22	\$4.770	\$4.480	\$4.485	\$4.810	\$22.000	\$4.665	\$9.455	\$4.850	\$4.720	\$4.495	\$4.860	\$15.085	\$14.665	\$4.420	\$4.345	\$4.440	\$4.475	\$4.265
27	02/26/22	\$4.545	\$4.195	\$4.230	\$4.510	\$23.000	\$4.300	\$10.010	\$4.400	\$4.465	\$4.375	\$5.545	\$23.745	\$24.720	\$4.700	\$4.785	\$4.680	\$4.675	\$4.515
28	02/27/22	\$4.545	\$4.195	\$4.230	\$4.510	\$23.000	\$4.300	\$10.010	\$4.400	\$4.465	\$4.375	\$5.545	\$23.745	\$24.720	\$4.700	\$4.785	\$4.680	\$4.675	\$4.515
29	02/28/22	\$4.545	\$4.195	\$4.230	\$4.510	\$23.000	\$4.300	\$10.010	\$4.400	\$4.465	\$4.375	\$5.545	\$23.745	\$24.720	\$4.700	\$4.785	\$4.680	\$4.675	\$4.515
30	02/28/22	\$4.545	\$4.195	\$4.230	\$4.510	\$23.000	\$4.300	\$10.010	\$4.400	\$4.465	\$4.375	\$5.545	\$23.745	\$24.720	\$4.700	\$4.785	\$4.680	\$4.675	\$4.515
31	03/01/22	\$4.545	\$4.195	\$4.230	\$4.510	\$23.000	\$4.300	\$10.010	\$4.400	\$4.465	\$4.375	\$5.545	\$23.745	\$24.720	\$4.700	\$4.785	\$4.680	\$4.675	\$4.515
32	03/02/22	\$4.545	\$4.195	\$4.230	\$4.510	\$23.000	\$4.300	\$10.010	\$4.400	\$4.465	\$4.375	\$5.545	\$23.745	\$24.720	\$4.700	\$4.785	\$4.680	\$4.675	\$4.515
33	03/03/22	\$4.545	\$4.195	\$4.230	\$4.510	\$23.000	\$4.300	\$10.010	\$4.400	\$4.465	\$4.375	\$5.545	\$23.745	\$24.720	\$4.700	\$4.785	\$4.680	\$4.675	\$4.515
34																			
Source: Platt's Inside FERC's Gas Market Report (First of Month Pricing), used as a basis for monthly purchases. * NYMEX settle.																			
36	DATE	NYMEX*	EGTS SP	TCO	Dawn	Leidy Hub	TGP Z0	IGT-Repts	NIAGARA	500 leg	800 leg	M3	AGT CG	TGP Z6	ELA	ETX	STX	WLA	M2
37	Feb-22	\$6.265	\$5.700	\$5.800	\$6.330	\$5.870	\$6.170	\$9.060	\$6.210	\$6.250	\$6.210	\$9.490	\$19.750	\$20.770	\$6.120	\$6.120	\$6.270	\$6.210	\$5.730
38	Basis	N/A	(\$0.565)	(\$0.465)	\$0.065	(\$0.395)	(\$0.095)	\$2.795	(\$0.055)	(\$0.015)	(\$0.055)	\$3.225	\$13.485	\$14.505	(\$0.145)	(\$0.145)	\$0.005	(\$0.055)	(\$0.535)

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	
Source: Platt's Gas Daily Midpoint Pricing (GDD or GDA), used as a basis for daily purchases.																			
1	DATE	GDA_HH	DITLSP	TCCO	Dawn_On	DRACUT	TGP_Z0	IROQUOIS	NIAGARA	500_leg	800_leg	TETCOM3	AGT_CG	TGP_Z6	ELA	ETX	STX	WLA	TETCOM2
2	03/01/22	\$4.280	\$3.820	\$3.880	\$4.285	\$9.000	\$4.070	\$4.680	\$4.100	\$4.265	\$4.180	\$3.985	\$7.930	\$8.030	\$4.055	\$4.050	\$4.180	\$4.200	\$3.840
3	03/02/22	\$4.335	\$3.860	\$3.910	\$4.390	\$6.000	\$4.205	\$4.635	\$4.165	\$4.300	\$4.230	\$4.015	\$5.065	\$5.095	\$4.180	\$4.210	\$4.310	\$4.305	\$3.855
4	03/03/22	\$4.650	\$4.275	\$4.235	\$4.605	\$23.580	\$4.410	\$6.180	\$4.570	\$4.580	\$4.520	\$4.800	\$21.545	\$21.925	\$4.375	\$4.370	\$4.530	\$4.585	\$4.255
5	03/04/22	\$4.570	\$4.145	\$4.190	\$4.550	\$17.875	\$4.350	\$5.175	\$4.450	\$4.560	\$4.500	\$4.745	\$15.375	\$15.650	\$4.345	\$4.290	\$4.480	\$4.530	\$4.170
6	03/05/22	\$4.730	\$3.895	\$4.095	\$4.680	\$0.000	\$4.470	\$4.745	\$4.215	\$4.740	\$4.690	\$3.965	\$4.730	\$4.815	\$4.285	\$4.475	\$4.675	\$4.750	\$3.850
7	03/06/22	\$4.730	\$3.895	\$4.095	\$4.680	\$0.000	\$4.470	\$4.745	\$4.215	\$4.740	\$4.690	\$3.965	\$4.730	\$4.815	\$4.285	\$4.475	\$4.675	\$4.750	\$3.850
8	03/07/22	\$4.730	\$3.895	\$4.095	\$4.680	\$0.000	\$4.470	\$4.745	\$4.215	\$4.740	\$4.690	\$3.965	\$4.730	\$4.815	\$4.285	\$4.475	\$4.675	\$4.750	\$3.850
9	03/08/22	\$4.920	\$4.260	\$4.330	\$4.740	\$0.000	\$4.655	\$4.840	\$4.450	\$4.795	\$4.770	\$4.465	\$4.850	\$5.175	\$4.665	\$4.685	\$4.795	\$4.825	\$4.280
10	03/09/22	\$4.580	\$4.115	\$4.160	\$4.535	\$0.000	\$4.430	\$4.860	\$4.335	\$4.570	\$4.525	\$4.320	\$5.295	\$5.545	\$4.405	\$4.390	\$4.560	\$4.570	\$4.125
11	03/10/22	\$4.555	\$4.080	\$4.135	\$4.450	\$0.000	\$4.355	\$4.550	\$4.310	\$4.495	\$4.465	\$4.295	\$4.605	\$4.770	\$4.285	\$4.380	\$4.425	\$4.470	\$4.090
12	03/11/22	\$4.595	\$3.970	\$4.200	\$4.505	\$0.000	\$4.470	\$4.550	\$4.250	\$4.540	\$4.510	\$4.135	\$4.590	\$4.710	\$4.515	\$4.480	\$4.550	\$4.550	\$4.005
13	03/12/22	\$4.730	\$4.455	\$4.480	\$4.595	\$7.000	\$4.475	\$5.015	\$4.400	\$4.675	\$4.585	\$5.435	\$7.610	\$7.275	\$4.595	\$4.515	\$4.585	\$4.655	\$4.485
14	03/13/22	\$4.730	\$4.455	\$4.480	\$4.595	\$7.000	\$4.475	\$5.015	\$4.400	\$4.675	\$4.585	\$5.435	\$7.610	\$7.275	\$4.595	\$4.515	\$4.585	\$4.655	\$4.485
15	03/14/22	\$4.730	\$4.455	\$4.480	\$4.595	\$7.000	\$4.475	\$5.015	\$4.400	\$4.675	\$4.585	\$5.435	\$7.610	\$7.275	\$4.595	\$4.515	\$4.585	\$4.655	\$4.485
16	03/15/22	\$4.575	\$3.860	\$3.950	\$4.480	\$0.000	\$4.280	\$4.495	\$4.150	\$4.535	\$4.495	\$4.005	\$4.400	\$4.625	\$4.145	\$4.210	\$4.485	\$4.520	\$3.865
17	03/16/22	\$4.475	\$3.695	\$3.770	\$4.340	\$0.000	\$4.095	\$4.390	\$3.900	\$4.390	\$4.390	\$3.810	\$3.980	\$4.125	\$4.045	\$4.020	\$4.330	\$4.405	\$3.670
18	03/17/22	\$4.670	\$3.780	\$3.815	\$4.510	\$0.000	\$4.165	\$4.500	\$4.000	\$4.550	\$4.575	\$3.865	\$4.005	\$4.170	\$4.105	\$4.220	\$4.490	\$4.560	\$3.750
19	03/18/22	\$4.795	\$3.795	\$3.960	\$4.645	\$0.000	\$4.515	\$4.600	\$3.970	\$4.730	\$4.740	\$3.870	\$4.010	\$4.105	\$4.210	\$4.290	\$4.725	\$4.780	\$3.770
20	03/19/22	\$4.870	\$3.830	\$3.900	\$4.585	\$0.000	\$4.195	\$4.290	\$4.050	\$4.730	\$4.715	\$3.890	\$4.030	\$4.175	\$4.190	\$4.165	\$4.620	\$4.730	\$3.780
21	03/20/22	\$4.870	\$3.830	\$3.900	\$4.585	\$0.000	\$4.195	\$4.290	\$4.050	\$4.730	\$4.715	\$3.890	\$4.030	\$4.175	\$4.190	\$4.165	\$4.620	\$4.730	\$3.780
22	03/21/22	\$4.870	\$3.830	\$3.900	\$4.585	\$0.000	\$4.195	\$4.290	\$4.050	\$4.730	\$4.715	\$3.890	\$4.030	\$4.175	\$4.190	\$4.165	\$4.620	\$4.730	\$3.780
23	03/22/22	\$4.775	\$3.905	\$3.895	\$4.480	\$4.850	\$4.225	\$4.545	\$4.300	\$4.625	\$4.635	\$4.035	\$4.645	\$4.675	\$4.285	\$4.175	\$4.555	\$4.640	\$3.885
24	03/23/22	\$5.005	\$4.050	\$4.185	\$4.740	\$5.500	\$4.530	\$4.840	\$4.500	\$4.885	\$4.930	\$4.145	\$4.985	\$4.970	\$4.480	\$4.420	\$4.830	\$4.905	\$4.030
25	03/24/22	\$5.260	\$4.375	\$4.435	\$4.930	\$5.150	\$4.740	\$5.015	\$4.650	\$5.140	\$5.140	\$4.485	\$4.955	\$4.950	\$4.740	\$4.590	\$5.050	\$5.150	\$4.335
26	03/25/22	\$5.165	\$4.415	\$4.415	\$4.895	\$4.550	\$4.750	\$4.850	\$4.600	\$5.035	\$5.035	\$4.415	\$4.655	\$4.665	\$4.735	\$4.770	\$4.980	\$5.025	\$4.310
27	03/26/22	\$5.485	\$5.100	\$5.075	\$5.220	\$0.000	\$5.015	\$5.565	\$5.145	\$5.370	\$5.370	\$5.380	\$8.615	\$8.430	\$5.220	\$5.070	\$5.240	\$5.410	\$5.080
28	03/27/22	\$5.485	\$5.100	\$5.075	\$5.220	\$0.000	\$5.015	\$5.565	\$5.145	\$5.370	\$5.370	\$5.380	\$8.615	\$8.430	\$5.220	\$5.070	\$5.240	\$5.410	\$5.080
29	03/28/22	\$5.485	\$5.100	\$5.075	\$5.220	\$0.000	\$5.015	\$5.565	\$5.145	\$5.370	\$5.370	\$5.380	\$8.615	\$8.430	\$5.220	\$5.070	\$5.240	\$5.410	\$5.080
30	03/29/22	\$5.435	\$5.110	\$5.135	\$5.215	\$10.000	\$5.140	\$5.560	\$5.220	\$5.400	\$5.380	\$5.430	\$12.725	\$8.930	\$5.230	\$5.120	\$5.290	\$5.380	\$5.085
31	03/30/22	\$5.310	\$4.680	\$4.765	\$5.075	\$5.750	\$4.970	\$5.305	\$5.200	\$5.270	\$5.250	\$4.870	\$5.525	\$5.525	\$4.915	\$4.990	\$5.200	\$5.225	\$4.705
32	03/31/22	\$5.335	\$4.590	\$4.810	\$5.160	\$4.900	\$5.035	\$5.210	\$4.805	\$5.325	\$5.340	\$4.685	\$4.790	\$4.870	\$5.080	\$5.210	\$5.235	\$5.300	\$4.585
33																			
34																			
35																			
Source: Platt's Inside FERC's Gas Market Report (First of Month Pricing), used as a basis for monthly purchases. * NYMEX settle.																			
36	DATE	NYMEX*	Dom SP	TCCO	Dawn	Leidy_Hub	TGP_Z0	IGT-Repis	NIAGARA	500_leg	800_leg	M3	AGT_CG	TGP_Z6	ELA	ETX	STX	WLA	M2
37	Mar-22	\$4.568	\$3.800	\$3.920	\$4.490	\$3.840	\$4.290	\$5.170	\$4.270	\$4.480	\$4.460	\$4.100	\$8.200	\$8.600	\$4.290	\$4.230	\$4.380	\$4.460	\$3.790
38	Basis	N/A	(\$0.768)	(\$0.648)	(\$0.078)	(\$0.728)	(\$0.278)	\$0.602	(\$0.298)	(\$0.088)	(\$0.108)	(\$0.468)	\$3.632	\$4.032	(\$0.278)	(\$0.338)	(\$0.188)	(\$0.108)	(\$0.778)
39																			

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S		
Source: Platt's Gas Daily Midpoint Pricing (GDD or GDA), used as a basis for daily purchases.																				
1	DATE	GDA_HH	EGTS_SP	TCO	Dawn_On	DRACUT	TGP_Z0	IROQUOIS	NIAGARA	500_leg	800_leg	TETCOM3	AGT_CG	TGP_Z6	ELA	ETX	STX	WLA	TETCOM2	
2	04/01/22	\$5.480	\$5.175	\$5.245	\$5.380	\$0.000	\$5.295	\$5.485	\$5.345	\$5.495	\$5.570	\$5.345	\$5.465	\$5.585	\$5.465	\$5.275	\$5.515	\$5.620	\$5.150	
3	04/02/22	\$5.470	\$5.105	\$5.160	\$5.400	\$0.000	\$5.275	\$5.510	\$5.350	\$5.520	\$5.515	\$5.230	\$5.375	\$5.470	\$5.395	\$5.270	\$5.425	\$5.420	\$5.090	
4	04/03/22	\$5.470	\$5.105	\$5.160	\$5.400	\$0.000	\$5.275	\$5.510	\$5.350	\$5.520	\$5.515	\$5.230	\$5.375	\$5.470	\$5.395	\$5.270	\$5.425	\$5.420	\$5.090	
5	04/04/22	\$5.470	\$5.105	\$5.160	\$5.400	\$0.000	\$5.275	\$5.510	\$5.350	\$5.520	\$5.515	\$5.230	\$5.375	\$5.470	\$5.395	\$5.270	\$5.425	\$5.420	\$5.090	
6	04/05/22	\$5.655	\$5.195	\$5.250	\$5.545	\$0.000	\$5.450	\$6.645	\$5.600	\$5.615	\$5.555	\$5.360	\$5.515	\$5.760	\$5.405	\$5.260	\$5.525	\$5.555	\$5.175	
7	04/06/22	\$5.955	\$5.535	\$5.605	\$5.885	\$0.000	\$5.805	\$6.000	\$5.600	\$5.935	\$5.895	\$5.695	\$5.875	\$5.980	\$5.715	\$5.505	\$5.905	\$5.905	\$5.510	
8	04/07/22	\$6.245	\$5.945	\$5.920	\$6.155	\$0.000	\$6.130	\$6.355	\$5.885	\$6.185	\$6.160	\$6.175	\$6.385	\$6.355	\$6.185	\$5.900	\$6.155	\$6.165	\$5.950	
9	04/08/22	\$6.030	\$5.635	\$5.670	\$5.910	\$0.000	\$5.945	\$6.060	\$5.815	\$5.970	\$6.050	\$5.760	\$5.890	\$5.950	\$5.910	\$5.740	\$5.995	\$5.985	\$5.605	
10	04/09/22	\$6.300	\$5.765	\$5.855	\$6.175	\$0.000	\$5.980	\$6.295	\$5.700	\$6.200	\$6.250	\$5.910	\$6.085	\$6.130	\$6.045	\$5.850	\$6.145	\$6.235	\$5.715	
11	04/10/22	\$6.300	\$5.765	\$5.855	\$6.175	\$0.000	\$5.980	\$6.295	\$5.700	\$6.200	\$6.250	\$5.910	\$6.085	\$6.130	\$6.045	\$5.850	\$6.145	\$6.235	\$5.715	
12	04/11/22	\$6.300	\$5.765	\$5.855	\$6.175	\$0.000	\$5.980	\$6.295	\$5.700	\$6.200	\$6.250	\$5.910	\$6.085	\$6.130	\$6.045	\$5.850	\$6.145	\$6.235	\$5.715	
13	04/12/22	\$6.360	\$5.850	\$5.900	\$6.345	\$0.000	\$6.095	\$6.410	\$5.990	\$6.365	\$6.375	\$5.870	\$6.000	\$6.210	\$6.020	\$5.975	\$6.300	\$6.355	\$5.735	
14	04/13/22	\$6.560	\$5.965	\$6.110	\$6.510	\$0.000	\$6.320	\$6.570	\$5.990	\$6.570	\$6.595	\$6.045	\$6.135	\$6.340	\$6.300	\$6.330	\$6.605	\$6.595	\$5.895	
15	04/14/22	\$6.700	\$6.085	\$6.280	\$6.655	\$0.000	\$6.470	\$6.735	\$6.400	\$6.705	\$6.690	\$6.155	\$6.285	\$6.550	\$6.455	\$6.550	\$6.670	\$6.695	\$6.020	
16	04/15/22	\$6.930	\$6.610	\$6.560	\$6.915	\$0.000	\$6.795	\$7.035	\$0.000	\$6.845	\$6.885	\$6.775	\$6.935	\$6.935	\$6.760	\$6.585	\$6.870	\$6.905	\$6.565	
17	04/16/22	\$6.930	\$6.610	\$6.560	\$6.915	\$0.000	\$6.795	\$7.035	\$0.000	\$6.845	\$6.885	\$6.775	\$6.935	\$6.935	\$6.760	\$6.585	\$6.870	\$6.905	\$6.565	
18	04/17/22	\$6.930	\$6.610	\$6.560	\$6.915	\$0.000	\$6.795	\$7.035	\$0.000	\$6.845	\$6.885	\$6.775	\$6.935	\$6.935	\$6.760	\$6.585	\$6.870	\$6.905	\$6.565	
19	04/18/22	\$6.930	\$6.610	\$6.560	\$6.915	\$0.000	\$6.795	\$7.035	\$0.000	\$6.845	\$6.885	\$6.775	\$6.935	\$6.935	\$6.760	\$6.585	\$6.870	\$6.905	\$6.565	
20	04/19/22	\$7.555	\$6.230	\$7.265	\$7.575	\$0.000	\$7.405	\$7.715	\$7.650	\$7.695	\$7.645	\$7.430	\$7.790	\$7.815	\$7.380	\$7.250	\$7.575	\$7.635	\$7.200	
21	04/20/22	\$7.385	\$6.655	\$6.665	\$7.015	\$0.000	\$6.830	\$7.165	\$6.810	\$7.070	\$6.920	\$6.715	\$7.745	\$7.695	\$6.785	\$6.650	\$6.920	\$7.020	\$6.550	
22	04/21/22	\$7.035	\$6.205	\$6.435	\$6.770	\$0.000	\$6.610	\$6.805	\$6.600	\$6.840	\$6.830	\$6.355	\$6.665	\$6.935	\$6.595	\$6.360	\$6.645	\$6.825	\$6.160	
23	04/22/22	\$6.875	\$6.000	\$6.275	\$6.745	\$0.000	\$6.435	\$6.990	\$6.385	\$6.790	\$6.800	\$6.150	\$7.290	\$6.910	\$6.380	\$6.205	\$6.515	\$6.765	\$5.965	
24	04/23/22	\$6.550	\$5.585	\$5.960	\$6.570	\$0.000	\$6.110	\$6.550	\$0.000	\$6.445	\$6.405	\$5.720	\$5.950	\$6.080	\$6.250	\$5.980	\$6.250	\$6.470	\$5.580	
25	04/24/22	\$6.550	\$5.585	\$5.960	\$6.570	\$0.000	\$6.110	\$6.550	\$0.000	\$6.445	\$6.405	\$5.720	\$5.950	\$6.080	\$6.250	\$5.980	\$6.250	\$6.470	\$5.580	
26	04/25/22	\$6.550	\$5.585	\$5.960	\$6.570	\$0.000	\$6.110	\$6.550	\$0.000	\$6.445	\$6.405	\$5.720	\$5.950	\$6.080	\$6.250	\$5.980	\$6.250	\$6.470	\$5.580	
27	04/26/22	\$6.395	\$5.755	\$5.945	\$6.495	\$0.000	\$6.290	\$6.705	\$6.400	\$6.455	\$6.490	\$5.860	\$7.800	\$7.545	\$6.220	\$6.140	\$6.410	\$6.415	\$5.695	
28	04/27/22	\$6.815	\$6.420	\$6.450	\$6.820	\$0.000	\$6.655	\$6.975	\$6.650	\$6.750	\$6.835	\$6.675	\$6.795	\$7.070	\$6.620	\$0.000	\$6.715	\$6.740	\$6.385	
29	04/28/22	\$6.935	\$6.425	\$6.540	\$7.010	\$0.000	\$6.850	\$7.300	\$6.880	\$6.970	\$6.990	\$6.565	\$10.210	\$9.370	\$6.760	\$6.700	\$6.990	\$6.980	\$6.380	
30	04/29/22	\$6.790	\$6.050	\$6.230	\$6.815	\$0.000	\$6.575	\$6.875	\$6.500	\$6.755	\$6.810	\$6.100	\$6.440	\$6.590	\$6.550	\$0.000	\$6.810	\$6.795	\$5.975	
31	04/30/22	\$6.790	\$6.050	\$6.230	\$6.815	\$0.000	\$6.575	\$6.875	\$6.500	\$6.755	\$6.810	\$6.100	\$6.440	\$6.590	\$6.550	\$0.000	\$6.810	\$6.795	\$5.975	
32	04/30/22	\$6.790	\$6.050	\$6.230	\$6.815	\$0.000	\$6.575	\$6.875	\$6.500	\$6.755	\$6.810	\$6.100	\$6.440	\$6.590	\$6.550	\$0.000	\$6.810	\$6.795	\$5.975	
33																				
34																				
35																				
Source: Platt's Inside FERC's Gas Market Report (First of Month Pricing), used as a basis for monthly purchases. * NYMEX settle.																				
36	DATE	NYMEX*	EGTS_SP	TCO	Dawn	Leidy_Hub	TGP_Z0	IGT-Repis	NIAGARA	500_leg	800_leg	M3	AGT_CG	TGP_Z6	ELA	ETX	STX	WLA	M2	
37	Apr-22	\$5.336	\$4.470	\$4.630	\$5.100	\$4.400	\$4.940	\$5.190	\$4.920	\$5.230	\$5.210	\$4.580	\$5.030	\$5.140	\$4.940	\$0.000	\$5.140	\$5.220	\$4.400	
38	Basis	N/A																		
39																				

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	
Source: Platt's Gas Daily Midpoint Pricing (GDD or GDA), used as a basis for daily purchases.																			
1	DATE	GDA_HH	DITLSP	TCO	Dawn_On	DRACUT	TGP_Z0	IROQUOIS	NIAGARA	500_leg	800_leg	TETCOM3	AGT_CG	TGP_Z6	ELA	ETX	STX	WLA	TETCOM2
3	05/01/22	\$6.845	\$5.945	\$6.325	\$6.810	\$0.000	\$6.470	\$6.910	\$6.250	\$6.830	\$6.770	\$6.015	\$6.525	\$6.585	\$6.595	\$6.390	\$6.645	\$6.715	\$5.900
4	05/02/22	\$6.845	\$5.945	\$6.325	\$6.810	\$0.000	\$6.470	\$6.910	\$6.250	\$6.830	\$6.770	\$6.015	\$6.525	\$6.585	\$6.595	\$6.390	\$6.645	\$6.715	\$5.900
5	05/03/22	\$7.300	\$6.700	\$6.810	\$7.195	\$0.000	\$7.125	\$7.295	\$6.900	\$7.365	\$7.235	\$6.880	\$6.790	\$7.035	\$7.300	\$6.960	\$7.215	\$7.240	\$6.670
6	05/04/22	\$7.860	\$7.350	\$7.440	\$7.865	\$0.000	\$7.800	\$8.025	\$7.550	\$7.995	\$7.925	\$7.510	\$8.300	\$8.155	\$7.765	\$0.000	\$7.845	\$7.885	\$7.370
7	05/05/22	\$8.295	\$7.520	\$7.720	\$8.125	\$0.000	\$8.100	\$8.265	\$0.000	\$8.315	\$8.245	\$7.640	\$8.505	\$8.440	\$8.015	\$8.190	\$8.275	\$8.260	\$7.485
8	05/06/22	\$8.405	\$7.350	\$7.595	\$8.135	\$0.000	\$7.985	\$8.150	\$0.000	\$8.315	\$8.285	\$7.470	\$8.015	\$7.915	\$7.695	\$8.180	\$8.265	\$8.185	\$7.330
9	05/07/22	\$8.365	\$7.550	\$7.650	\$8.170	\$0.000	\$7.935	\$8.210	\$0.000	\$8.335	\$8.290	\$7.710	\$8.165	\$8.220	\$7.800	\$7.820	\$8.160	\$8.280	\$7.460
10	05/08/22	\$8.365	\$7.550	\$7.650	\$8.170	\$0.000	\$7.935	\$8.210	\$0.000	\$8.335	\$8.290	\$7.710	\$8.165	\$8.220	\$7.800	\$7.820	\$8.160	\$8.280	\$7.460
11	05/09/22	\$8.365	\$7.550	\$7.650	\$8.170	\$0.000	\$7.935	\$8.210	\$0.000	\$8.335	\$8.290	\$7.710	\$8.165	\$8.220	\$7.800	\$7.820	\$8.160	\$8.280	\$7.460
12	05/10/22	\$7.840	\$6.715	\$6.835	\$7.320	\$0.000	\$7.140	\$7.415	\$0.000	\$7.325	\$7.370	\$6.895	\$7.645	\$7.500	\$7.085	\$0.000	\$7.000	\$7.255	\$6.770
13	05/11/22	\$6.485	\$6.145	\$6.175	\$6.645	\$0.000	\$6.505	\$6.820	\$0.000	\$6.575	\$6.700	\$6.180	\$6.525	\$6.605	\$6.415	\$0.000	\$6.895	\$6.655	\$6.085
14	05/12/22	\$7.510	\$6.695	\$6.975	\$7.400	\$0.000	\$7.310	\$7.535	\$6.950	\$7.475	\$7.450	\$6.750	\$7.460	\$7.450	\$7.360	\$0.000	\$7.410	\$7.395	\$6.615
15	05/13/22	\$7.305	\$6.635	\$6.920	\$7.355	\$0.000	\$7.255	\$7.470	\$0.000	\$7.435	\$7.405	\$6.715	\$7.115	\$7.135	\$7.205	\$7.050	\$7.410	\$7.350	\$6.600
16	05/14/22	\$7.700	\$6.760	\$6.990	\$7.415	\$0.000	\$7.255	\$7.545	\$0.000	\$7.580	\$7.450	\$6.865	\$7.325	\$7.410	\$7.230	\$7.150	\$7.400	\$7.475	\$6.715
17	05/15/22	\$7.700	\$6.760	\$6.990	\$7.415	\$0.000	\$7.255	\$7.545	\$0.000	\$7.580	\$7.450	\$6.865	\$7.325	\$7.410	\$7.230	\$7.150	\$7.400	\$7.475	\$6.715
18	05/16/22	\$7.700	\$6.760	\$6.990	\$7.415	\$0.000	\$7.255	\$7.545	\$0.000	\$7.580	\$7.450	\$6.865	\$7.325	\$7.410	\$7.230	\$7.150	\$7.400	\$7.475	\$6.715
19	05/17/22	\$7.975	\$7.375	\$7.430	\$7.860	\$0.000	\$7.755	\$7.850	\$7.500	\$8.010	\$7.895	\$7.615	\$7.830	\$7.935	\$7.655	\$7.580	\$7.950	\$7.940	\$7.395
20	05/18/22	\$8.225	\$7.460	\$7.575	\$8.045	\$0.000	\$8.015	\$7.940	\$7.585	\$8.235	\$8.210	\$7.510	\$7.710	\$7.820	\$7.905	\$7.750	\$8.230	\$8.220	\$7.435
21	05/19/22	\$8.445	\$7.565	\$7.640	\$8.145	\$0.000	\$8.175	\$8.170	\$0.000	\$8.385	\$8.265	\$7.755	\$7.945	\$8.060	\$8.120	\$7.850	\$8.250	\$8.400	\$7.435
22	05/20/22	\$8.170	\$7.595	\$7.675	\$8.050	\$0.000	\$7.985	\$8.130	\$0.000	\$8.175	\$8.140	\$7.815	\$7.945	\$8.095	\$8.015	\$7.835	\$8.020	\$8.160	\$7.605
23	05/21/22	\$7.975	\$7.420	\$7.510	\$7.915	\$0.000	\$7.750	\$8.170	\$0.000	\$8.030	\$7.920	\$7.690	\$8.510	\$8.695	\$7.675	\$7.750	\$7.935	\$7.945	\$7.465
24	05/22/22	\$7.975	\$7.420	\$7.510	\$7.915	\$0.000	\$7.750	\$8.170	\$0.000	\$8.030	\$7.920	\$7.690	\$8.510	\$8.695	\$7.675	\$7.750	\$7.935	\$7.945	\$7.465
25	05/23/22	\$7.975	\$7.420	\$7.510	\$7.915	\$0.000	\$7.750	\$8.170	\$0.000	\$8.030	\$7.920	\$7.690	\$8.510	\$8.695	\$7.675	\$7.750	\$7.935	\$7.945	\$7.465
26	05/24/22	\$8.145	\$7.275	\$7.645	\$8.025	\$0.000	\$8.535	\$8.160	\$0.000	\$8.235	\$8.115	\$7.385	\$7.750	\$8.175	\$7.920	\$8.350	\$8.700	\$8.200	\$7.255
27	05/25/22	\$8.770	\$7.600	\$8.000	\$8.465	\$0.000	\$8.650	\$8.635	\$7.750	\$8.720	\$8.650	\$7.760	\$7.865	\$8.175	\$8.310	\$8.350	\$8.700	\$8.730	\$7.610
28	05/26/22	\$9.295	\$8.110	\$8.230	\$8.980	\$0.000	\$9.000	\$8.875	\$0.000	\$9.190	\$9.175	\$8.195	\$9.025	\$9.075	\$8.800	\$8.650	\$9.005	\$9.245	\$8.055
29	05/27/22	\$9.065	\$7.975	\$8.075	\$8.750	\$0.000	\$8.670	\$8.800	\$0.000	\$9.070	\$9.020	\$8.145	\$8.190	\$8.555	\$8.390	\$8.400	\$8.895	\$9.020	\$7.930
30	05/28/22	\$8.265	\$7.460	\$7.605	\$8.035	\$0.000	\$7.800	\$8.220	\$0.000	\$8.295	\$8.320	\$7.660	\$7.930	\$7.965	\$7.835	\$7.750	\$8.130	\$8.160	\$7.415
31	05/29/22	\$8.265	\$7.460	\$7.605	\$8.035	\$0.000	\$7.800	\$8.220	\$0.000	\$8.295	\$8.320	\$7.660	\$7.930	\$7.965	\$7.835	\$7.750	\$8.130	\$8.160	\$7.415
32	05/30/22	\$8.265	\$7.460	\$7.605	\$8.035	\$0.000	\$7.800	\$8.220	\$0.000	\$8.295	\$8.320	\$7.660	\$7.930	\$7.965	\$7.835	\$7.750	\$8.130	\$8.160	\$7.415
33	05/31/22	\$8.265	\$7.460	\$7.605	\$8.035	\$0.000	\$7.800	\$8.220	\$0.000	\$8.295	\$8.320	\$7.660	\$7.930	\$7.965	\$7.835	\$7.750	\$8.130	\$8.160	\$7.415
34																			
Source: Platt's Inside FERC's Gas Market Report (First of Month Pricing), used as a basis for monthly purchases. * NYMEX settle.																			
36	DATE	NYMEX*	Dom SP	TCO	Dawn	Leidy_Hub	TGP_Z0	IGT-Repts	NIAGARA	500_leg	800_leg	M3	AGT_CG	TGP_Z6	ELA	ETX	STX	WLA	M2
37	May-22	\$7.267	\$6.390	\$6.580	\$7.130	\$0.000	\$6.930	\$7.130	\$6.720	\$7.190	\$7.170	\$6.540	\$6.720	\$6.750	\$6.870	\$0.000	\$7.140	\$7.190	\$6.320
38	Basis	N/A	(\$0.877)	(\$0.687)	(\$0.137)	(\$7.267)	(\$0.337)	(\$0.137)	(\$0.547)	(\$0.077)	(\$0.097)	(\$0.727)	(\$0.547)	(\$0.517)	(\$0.397)	(\$7.267)	(\$0.127)	(\$0.077)	(\$0.947)
39																			

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	
1	Source: Platt's Gas Daily Midpoint Pricing (GDD or GDA), used as a basis for daily purchases.																			
2	DATE	GDA HH	EGTS SP	TCO	Dawn	DRACUT	TGP Z0	IROQUOIS	NIAGARA	500 leg	800 leg	TETCO M3	AGT CG	TGP Z6	ELA	ETX	STX	WLA	TETCO M2	
3	06/01/22	\$8.455	\$7.595	\$7.635	\$8.120	\$0.000	\$8.075	\$8.165	\$7.900	\$8.405	\$8.345	\$7.775	\$8.180	\$8.160	\$8.215	\$7.960	\$8.345	\$8.345	\$7.570	
4	06/02/22	\$8.420	\$7.615	\$7.715	\$8.225	\$0.000	\$8.185	\$8.255	\$7.880	\$8.505	\$8.360	\$7.770	\$8.835	\$8.345	\$8.315	\$8.105	\$8.480	\$8.505	\$7.545	
5	06/03/22	\$8.860	\$7.600	\$7.590	\$8.425	\$0.000	\$8.210	\$8.675	\$8.000	\$8.830	\$8.620	\$7.530	\$8.820	\$8.225	\$8.500	\$8.240	\$8.560	\$8.335	\$7.440	
6	06/04/22	\$8.360	\$7.200	\$7.415	\$8.050	\$0.000	\$7.920	\$8.025	\$7.475	\$8.355	\$8.220	\$7.245	\$7.990	\$7.815	\$7.750	\$7.890	\$8.200	\$8.235	\$7.115	
7	06/05/22	\$8.360	\$7.200	\$7.415	\$8.050	\$0.000	\$7.920	\$8.025	\$7.475	\$8.355	\$8.220	\$7.245	\$7.990	\$7.815	\$7.750	\$7.890	\$8.200	\$8.235	\$7.115	
8	06/06/22	\$8.360	\$7.200	\$7.415	\$8.050	\$0.000	\$7.920	\$8.025	\$7.475	\$8.355	\$8.220	\$7.245	\$7.990	\$7.815	\$7.750	\$7.890	\$8.200	\$8.235	\$7.115	
9	06/07/22	\$9.000	\$7.850	\$8.005	\$8.675	\$0.000	\$8.645	\$8.715	\$8.020	\$9.030	\$8.955	\$7.960	\$8.155	\$8.290	\$8.725	\$8.595	\$8.990	\$9.100	\$7.785	
10	06/08/22	\$9.260	\$8.150	\$8.180	\$8.830	\$0.000	\$8.925	\$8.905	\$8.305	\$9.185	\$9.150	\$8.205	\$8.460	\$8.545	\$9.130	\$8.750	\$9.200	\$9.215	\$8.045	
11	06/09/22	\$9.460	\$8.240	\$8.470	\$8.980	\$0.000	\$9.165	\$9.050	\$8.500	\$9.430	\$9.345	\$8.370	\$8.550	\$8.815	\$9.160	\$8.950	\$9.430	\$9.390	\$8.215	
12	06/10/22	\$8.255	\$7.260	\$7.355	\$7.820	\$0.000	\$7.345	\$7.870	\$7.340	\$8.130	\$8.305	\$7.340	\$7.410	\$7.865	\$8.005	\$7.750	\$8.130	\$8.070	\$7.185	
13	06/11/22	\$8.670	\$7.520	\$7.645	\$8.250	\$0.000	\$7.945	\$8.265	\$7.730	\$8.660	\$8.590	\$7.550	\$7.650	\$7.765	\$8.435	\$0.000	\$8.375	\$8.510	\$7.420	
14	06/12/22	\$8.670	\$7.520	\$7.645	\$8.250	\$0.000	\$7.945	\$8.265	\$7.730	\$8.660	\$8.590	\$7.550	\$7.650	\$7.765	\$8.435	\$0.000	\$8.375	\$8.510	\$7.420	
15	06/13/22	\$8.670	\$7.520	\$7.645	\$8.250	\$0.000	\$7.945	\$8.265	\$7.730	\$8.660	\$8.590	\$7.550	\$7.650	\$7.765	\$8.435	\$0.000	\$8.375	\$8.510	\$7.420	
16	06/14/22	\$8.870	\$7.840	\$7.790	\$8.385	\$0.000	\$8.100	\$8.385	\$8.060	\$8.920	\$8.450	\$8.070	\$8.355	\$8.560	\$8.665	\$0.000	\$8.380	\$8.450	\$7.725	
17	06/15/22	\$7.590	\$6.650	\$6.615	\$7.075	\$0.000	\$6.715	\$7.000	\$0.000	\$7.680	\$7.335	\$6.900	\$6.935	\$7.105	\$7.670	\$0.000	\$7.465	\$7.605	\$6.590	
18	06/16/22	\$7.715	\$6.975	\$7.060	\$7.325	\$0.000	\$7.155	\$7.450	\$7.200	\$7.760	\$7.460	\$7.375	\$7.445	\$7.645	\$7.535	\$7.125	\$7.395	\$7.515	\$7.060	
19	06/17/22	\$7.890	\$7.260	\$7.255	\$7.525	\$0.000	\$7.485	\$7.730	\$0.000	\$7.945	\$7.630	\$7.545	\$7.845	\$7.795	\$7.685	\$0.000	\$7.610	\$7.815	\$7.280	
20	06/18/22	\$7.335	\$6.410	\$6.560	\$6.925	\$0.000	\$6.630	\$6.685	\$6.500	\$7.430	\$7.145	\$6.405	\$6.585	\$6.505	\$7.025	\$6.650	\$6.965	\$7.115	\$6.290	
21	06/19/22	\$7.335	\$6.410	\$6.560	\$6.925	\$0.000	\$6.630	\$6.685	\$6.500	\$7.430	\$7.145	\$6.405	\$6.585	\$6.505	\$7.025	\$6.650	\$6.965	\$7.115	\$6.290	
22	06/20/22	\$7.335	\$6.410	\$6.560	\$6.925	\$0.000	\$6.630	\$6.685	\$6.500	\$7.430	\$7.145	\$6.405	\$6.585	\$6.505	\$7.025	\$6.650	\$6.965	\$7.115	\$6.290	
23	06/21/22	\$7.335	\$6.410	\$6.560	\$6.925	\$0.000	\$6.630	\$6.685	\$6.500	\$7.430	\$7.145	\$6.405	\$6.585	\$6.505	\$7.025	\$6.650	\$6.965	\$7.115	\$6.290	
24	06/22/22	\$6.615	\$5.735	\$5.980	\$6.500	\$0.000	\$6.245	\$6.610	\$0.000	\$6.960	\$6.580	\$5.830	\$6.100	\$6.305	\$6.550	\$6.200	\$6.500	\$6.575	\$5.690	
25	06/23/22	\$6.590	\$5.765	\$6.020	\$6.525	\$0.000	\$6.320	\$6.550	\$0.000	\$6.905	\$6.585	\$5.835	\$5.915	\$6.320	\$6.570	\$6.260	\$6.540	\$6.535	\$5.720	
26	06/24/22	\$6.470	\$5.620	\$5.680	\$6.185	\$0.000	\$5.915	\$6.350	\$5.700	\$6.770	\$6.335	\$5.675	\$6.000	\$6.100	\$6.150	\$6.005	\$6.265	\$6.170	\$5.585	
27	06/25/22	\$5.885	\$5.470	\$5.555	\$5.935	\$0.000	\$5.635	\$6.105	\$0.000	\$6.455	\$5.915	\$5.745	\$5.910	\$6.070	\$5.680	\$5.700	\$5.870	\$5.820	\$5.495	
28	06/26/22	\$5.885	\$5.470	\$5.555	\$5.935	\$0.000	\$5.635	\$6.105	\$0.000	\$6.455	\$5.915	\$5.745	\$5.910	\$6.070	\$5.680	\$5.700	\$5.870	\$5.820	\$5.495	
29	06/27/22	\$5.885	\$5.470	\$5.555	\$5.935	\$0.000	\$5.635	\$6.105	\$0.000	\$6.455	\$5.915	\$5.745	\$5.910	\$6.070	\$5.680	\$5.700	\$5.870	\$5.820	\$5.495	
30	06/28/22	\$6.065	\$5.425	\$5.570	\$5.905	\$0.000	\$5.880	\$6.015	\$0.000	\$6.505	\$5.965	\$5.610	\$6.135	\$6.030	\$6.110	\$5.800	\$6.040	\$6.085	\$5.435	
31	06/29/22	\$6.545	\$5.825	\$6.020	\$6.430	\$0.000	\$6.295	\$6.610	\$0.000	\$6.845	\$6.475	\$6.045	\$6.275	\$6.460	\$6.505	\$6.300	\$6.560	\$6.560	\$5.910	
32	06/30/22	\$6.665	\$6.165	\$6.210	\$6.550	\$0.000	\$6.395	\$6.955	\$6.300	\$7.005	\$6.595	\$6.455	\$7.510	\$7.435	\$6.645	\$0.000	\$6.600	\$6.615	\$6.195	
33																				
34																				
35																				
36	Source: Platt's Inside FERC's Gas Market Report (First of Month Pricing), used as a basis for monthly purchases. * NYMEX settle.																			
37	DATE	NYMEX*	EGTS SP	TCO	Dawn	Leidy Hub	TGP Z0	IGT-Repts	NIAGARA	500 leg	800 leg	M3	AGT CG	TGP Z6	ELA	ETX	STX	WLA	M2	
38	Jun-22	\$8.908	\$7.930	\$8.140	\$8.660	\$0.000	\$8.580	\$8.860	\$8.200	\$8.880	\$8.860	\$8.060	\$8.420	\$8.430	\$8.510	\$0.000	\$8.810	\$8.850	\$7.860	
39	Basis	N/A	(\$0.978)	(\$0.768)	(\$0.248)	(\$8.908)	(\$0.328)	(\$0.048)	(\$0.708)	(\$0.028)	(\$0.048)	(\$0.848)	(\$0.488)	(\$0.478)	(\$0.398)	(\$8.908)	(\$0.098)	(\$0.058)	(\$1.048)	

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S		
DATE	GDA	HH	DTLSP	ICO	Dawn	On	DRACUT	TGP Z0	IROQUOIS	NIAGARA	500 leg	800 leg	TETCOM3	AGT CG	TGP Z6	ELA	ETX	STX	WLA	TETCOM2
1	Source: Platt's Gas Daily Midpoint Pricing (GDD or GDA), used as a basis for daily purchases.																			
3	07/01/22	\$6.460	\$5.555	\$5.700	\$6.195	\$0.000	\$6.025	\$6.160	\$0.000	\$6.860	\$6.160	\$6.510	\$5.795	\$6.400	\$6.075	\$6.010	\$6.105	\$6.105	\$6.405	\$5.595
4	07/02/22	\$5.730	\$5.010	\$5.205	\$5.545	\$0.000	\$5.190	\$5.685	\$0.000	\$6.335	\$5.560	\$5.170	\$5.135	\$5.510	\$5.590	\$5.450	\$5.580	\$5.580	\$5.670	\$4.930
5	07/03/22	\$5.730	\$5.010	\$5.205	\$5.545	\$0.000	\$5.190	\$5.685	\$0.000	\$6.335	\$5.560	\$5.170	\$5.135	\$5.510	\$5.590	\$5.450	\$5.580	\$5.580	\$5.670	\$4.930
6	07/04/22	\$5.730	\$5.010	\$5.205	\$5.545	\$0.000	\$5.190	\$5.685	\$0.000	\$6.335	\$5.560	\$5.170	\$5.135	\$5.510	\$5.590	\$5.450	\$5.580	\$5.580	\$5.670	\$4.930
7	07/05/22	\$5.730	\$5.010	\$5.205	\$5.545	\$0.000	\$5.190	\$5.685	\$0.000	\$6.335	\$5.560	\$5.170	\$5.135	\$5.510	\$5.590	\$5.450	\$5.580	\$5.580	\$5.670	\$4.930
8	07/06/22	\$5.685	\$5.040	\$5.170	\$5.545	\$0.000	\$5.395	\$5.585	\$0.000	\$7.005	\$5.735	\$6.200	\$5.275	\$6.020	\$5.785	\$0.000	\$5.545	\$5.545	\$5.680	\$5.050
9	07/07/22	\$5.625	\$5.000	\$5.050	\$5.295	\$0.000	\$5.245	\$5.295	\$0.000	\$7.595	\$5.505	\$5.270	\$5.160	\$5.330	\$5.695	\$5.310	\$5.615	\$5.615	\$5.620	\$4.985
10	07/08/22	\$5.860	\$5.150	\$5.415	\$5.715	\$0.000	\$5.495	\$5.950	\$0.000	\$6.840	\$6.025	\$5.955	\$5.525	\$5.710	\$5.835	\$5.700	\$6.055	\$6.055	\$6.095	\$5.320
11	07/09/22	\$6.385	\$5.165	\$5.485	\$5.840	\$0.000	\$5.795	\$5.880	\$0.000	\$6.270	\$6.225	\$5.285	\$5.230	\$5.340	\$6.205	\$0.000	\$6.140	\$6.140	\$6.260	\$5.065
12	07/10/22	\$6.385	\$5.165	\$5.485	\$5.840	\$0.000	\$5.795	\$5.880	\$0.000	\$6.270	\$6.225	\$5.285	\$5.230	\$5.340	\$6.205	\$0.000	\$6.140	\$6.140	\$6.260	\$5.065
13	07/11/22	\$6.385	\$5.165	\$5.485	\$5.840	\$0.000	\$5.795	\$5.880	\$0.000	\$6.270	\$6.225	\$5.285	\$5.230	\$5.340	\$6.205	\$0.000	\$6.140	\$6.140	\$6.260	\$5.065
14	07/12/22	\$6.760	\$5.825	\$5.975	\$6.330	\$0.000	\$6.250	\$6.555	\$6.250	\$6.600	\$6.550	\$6.340	\$6.195	\$6.370	\$6.765	\$0.000	\$6.525	\$6.525	\$6.645	\$5.845
15	07/13/22	\$6.785	\$5.855	\$5.820	\$6.320	\$0.000	\$6.275	\$6.235	\$6.370	\$6.625	\$6.370	\$6.320	\$6.045	\$6.420	\$6.480	\$6.000	\$6.150	\$6.150	\$6.545	\$5.820
16	07/14/22	\$6.630	\$5.770	\$6.005	\$6.320	\$0.000	\$6.275	\$6.575	\$6.680	\$7.045	\$6.860	\$6.110	\$5.920	\$6.280	\$6.500	\$6.150	\$6.520	\$6.520	\$6.545	\$5.740
17	07/15/22	\$6.855	\$5.885	\$6.120	\$6.490	\$0.000	\$6.515	\$6.610	\$6.680	\$7.045	\$6.845	\$6.140	\$6.070	\$6.190	\$6.660	\$0.000	\$6.625	\$6.625	\$6.775	\$5.810
18	07/16/22	\$6.605	\$5.855	\$6.015	\$6.460	\$0.000	\$6.175	\$6.610	\$6.610	\$6.845	\$6.605	\$6.240	\$6.070	\$6.210	\$6.555	\$0.000	\$6.525	\$6.525	\$6.620	\$5.845
19	07/17/22	\$6.605	\$5.855	\$6.015	\$6.460	\$0.000	\$6.175	\$6.610	\$6.610	\$6.845	\$6.605	\$6.240	\$6.070	\$6.210	\$6.555	\$0.000	\$6.525	\$6.525	\$6.620	\$5.845
20	07/18/22	\$6.605	\$5.855	\$6.015	\$6.460	\$0.000	\$6.175	\$6.610	\$6.610	\$6.845	\$6.605	\$6.240	\$6.070	\$6.210	\$6.555	\$0.000	\$6.525	\$6.525	\$6.620	\$5.845
21	07/19/22	\$7.535	\$6.930	\$6.995	\$7.140	\$0.000	\$7.160	\$7.660	\$7.455	\$7.835	\$7.455	\$8.050	\$7.505	\$7.940	\$7.405	\$0.000	\$7.295	\$7.295	\$7.435	\$6.965
22	07/20/22	\$7.385	\$6.835	\$6.850	\$7.140	\$0.000	\$7.090	\$7.740	\$6.935	\$7.465	\$7.255	\$9.435	\$8.755	\$9.690	\$7.325	\$0.000	\$7.135	\$7.135	\$7.250	\$6.890
23	07/21/22	\$7.560	\$6.870	\$7.040	\$7.320	\$0.000	\$7.225	\$7.760	\$7.760	\$7.390	\$7.390	\$7.460	\$7.295	\$19.550	\$7.460	\$0.000	\$7.295	\$7.295	\$7.430	\$6.785
24	07/22/22	\$7.945	\$7.390	\$7.490	\$7.870	\$0.000	\$7.570	\$8.320	\$8.320	\$8.015	\$7.850	\$11.565	\$8.450	\$10.030	\$7.900	\$0.000	\$7.625	\$7.625	\$7.880	\$7.545
25	07/23/22	\$8.245	\$7.700	\$7.730	\$8.145	\$0.000	\$7.810	\$8.350	\$8.350	\$8.165	\$8.165	\$9.305	\$8.290	\$9.305	\$9.050	\$8.055	\$7.635	\$7.635	\$8.105	\$7.715
26	07/24/22	\$8.245	\$7.700	\$7.730	\$8.145	\$0.000	\$7.810	\$8.350	\$8.350	\$8.165	\$8.165	\$9.305	\$8.290	\$9.305	\$9.050	\$8.055	\$7.635	\$7.635	\$8.105	\$7.715
27	07/25/22	\$8.245	\$7.700	\$7.730	\$8.145	\$0.000	\$7.810	\$8.350	\$8.350	\$8.165	\$8.165	\$9.305	\$8.290	\$9.305	\$9.050	\$8.055	\$7.635	\$7.635	\$8.105	\$7.715
28	07/26/22	\$8.525	\$7.690	\$7.830	\$8.280	\$0.000	\$8.130	\$8.450	\$8.450	\$8.650	\$8.385	\$8.170	\$7.895	\$8.270	\$8.450	\$0.000	\$8.345	\$8.345	\$8.415	\$7.655
29	07/27/22	\$9.320	\$8.205	\$8.175	\$8.830	\$0.000	\$8.730	\$0.000	\$0.000	\$8.900	\$9.065	\$8.620	\$8.290	\$8.740	\$8.950	\$0.000	\$9.035	\$9.035	\$9.150	\$8.135
30	07/28/22	\$8.680	\$7.820	\$7.820	\$8.415	\$0.000	\$8.250	\$8.450	\$8.450	\$8.380	\$8.580	\$8.305	\$8.045	\$8.710	\$8.480	\$0.000	\$8.550	\$8.550	\$8.610	\$7.825
31	07/29/22	\$8.660	\$7.450	\$7.525	\$8.230	\$0.000	\$8.220	\$8.300	\$8.300	\$8.440	\$8.495	\$7.790	\$7.565	\$8.600	\$8.465	\$0.000	\$8.260	\$8.260	\$8.455	\$7.365
32	07/30/22	\$8.660	\$7.450	\$7.525	\$8.230	\$0.000	\$8.220	\$8.300	\$8.300	\$8.440	\$8.495	\$7.790	\$7.565	\$8.600	\$8.465	\$0.000	\$8.260	\$8.260	\$8.455	\$7.365
33	07/31/22	\$8.660	\$7.450	\$7.525	\$8.230	\$0.000	\$8.220	\$8.300	\$8.300	\$8.440	\$8.495	\$7.790	\$7.565	\$8.600	\$8.465	\$0.000	\$8.260	\$8.260	\$8.455	\$7.365
34																				
35																				
36	Source: Platt's Inside FERC's Gas Market Report (First of Month Pricing), used as a basis for monthly purchases. * NYMEX settle.																			
37	DATE	NYMEX*	Dom SP	ICO	Dawn	Leidy Hub	TGP Z0	IGT-Repts	NIAGARA	500 leg	800 leg	AGT CG	TGP Z6	ELA	ETX	STX	WLA	M2	M2	
38	Jul-22	\$6.551	\$5.690	\$5.720	\$6.330	\$0.000	\$6.130	\$6.520	\$5.850	\$6.740	\$6.450	\$6.250	\$6.250	\$6.190	\$0.000	\$6.420	\$6.490	\$6.490	\$5.570	\$5.570
39	Basis	N/A	(\$0.861)	(\$0.831)	(\$0.221)	(\$6.551)	(\$0.421)	(\$0.031)	(\$0.701)	\$0.189	(\$0.101)	(\$0.301)	(\$0.711)	(\$0.361)	(\$6.551)	(\$0.131)	(\$0.061)	(\$0.981)	(\$0.981)	(\$0.981)

Division 1-8

Request:

For the 12-month period April 2021 through July 2022, please provide:

- a. A monthly history of storage injections and withdrawals for each of the Company's LNG facilities (including temporary/portable facilities);
- b. Applicable injection and withdrawal prices; and
- c. End-of-month storage inventory balances.

Response:

Please see Attachment Division 1-8 for an Excel file that provides LNG activity by month including injection and withdrawal prices and closing balances. For July 22 we have provided the accrual volumes and dollars as the final numbers will not be available until the final invoices are settled on August 25, 2022.

Attachment Division 1-8

Please see Excel Worksheet of Attachment Division 1-8

Division 1-9

Request:

For the 12-month period April 2021 through July 2022, please provide:

- a. A monthly history of storage injections and withdrawals for each of the Company's interstate pipeline contract storage arrangements;
- b. Applicable injection and withdrawal prices; and
- c. End-of-month storage inventory balances.

Response:

Please refer to the Excel file attached as Attachment DIV 1-9 which provides Natural Gas storage activity by month including injection and withdrawal prices and closing balances. For July 22 we have provided the accrual volumes and dollars as the final numbers will not be available until the final invoices are settled on August 25, 2022.

Attachment Division 1-9

Please see Excel Worksheet of Attachment Division 1-9

Division 1-10

Request:

Please identify all occasions since 2021 which the Company has invoked the curtailment provisions of its tariff. Identify the reason for the curtailment, volumes, and number of customers.

Response:

See Attachment Division 1-10.

CURTAILMENTS			
RI NON-FIRM CUSTOMERS (enacted at ~42+ HDD or system integrity concerns)			
* As of 10:00 AM			
Effective Date	End Date *	# of Gas Days	Reason
1/10/2022	1/12/2022	2	Forecasted cold weather
1/14/2022	1/17/2022	3	Forecasted cold weather
1/26/2022	1/28/2022	2	Forecasted cold weather
1/29/2022	2/1/2022	3	Forecasted cold weather
2/5/2022	2/7/2022	2	Forecasted cold weather
2/13/2022	2/16/2022	3	Forecasted cold weather
2/28/2022	3/1/2022	1	Forecasted cold weather

EMERGENCY CURTAILMENT CONTACT SHEET (for RI only)

Account	Company	Street	City	Connected CFH
6458218003	Cardi Corporation (Decision Maker)	400 Linclon Avenue	Warwick	273,970
6458218003	Cardi Corporation (Primary Contact)	400 Linclon Avenue	Warwick	
6458218003	Cardi Corporation (Secondary Contact)	400 Lincoln Avenue	Warwick	
6458218003	Cardi Corporation (Third Contact)	400 Lincoln Avenue	Warwick	
1474751008	Energy Infrastructure/URI	Lippitt Power Plant	Kingston	
1474751008	Energy Infrastructure/URI	Lippitt Power Plant	Kingston	33,000
1474751008	Energy Infrastructure/URI			
1474751008	Energy Infrastructure/URI			
1474352005	JH Lynch & Sons	270 North Road	South Kingstown	132,500
1474352005	JH Lynch & Sons (Decision Maker)	270 North Road	South Kingstown	
6458571005	JH Lynch & Sons (Decision Maker)	835 Taunton Avenue	East Providence	
3981577005	JH Lynch & Sons (Primary Contact)	50 Lynch Place	Cumberland	135,000
6458571005	JH Lynch & Sons (Primary Contact)	835 Taunton Avenue	East Providence	53,000
3981577005	JH Lynch & Sons (Secondary Contact)	50 Lynch Place	Cumberland	
6458571005	JH Lynch & Sons (Secondary Contact)	835 Taunton Avenue	East Providence	
3981577005	JH Lynch & Sons (Third Contact)	50 Lynch Place	Cumberland	
6458571005	JH Lynch & Sons (Third Contact)	835 Taunton Avenue	East Providence	
8967765008	Pawtucket Power	183 Concord Street	Pawtucket	
8967765008	Pawtucket Power (Primary Contact)	181 Concord Street	Pawtucket	
8967765008	Pawtucket Power (Secondary Contact)	182 Concord Street	Pawtucket	
8950991007	Rhode Island Hospital (Primary Contact)	593 Eddy Street	Providence	268,200
8950991007	Rhode Island Hospital (Secondary Contact)	593 Eddy Street	Providence	
8950991007	Rhode Island Hospital (Third Contact)	593 Eddy Street	Providence	
7704278005	RI - Rhode Island College	Physical Plant	Providence	
7704278005	RI - Rhode Island College (First Contact)	Physical Plant	Providence	
7704278005	RI - Rhode Island College (Primary Contact)	Physical Plant	Providence	132,500
7704278005	RI - Rhode Island College (Second Contact)	Physical Plant	Providence	
7704278005	RI - Rhode Island College (Third Contact)	Physical Plant	Providence	
4377691000	T Miozzi	80 COMPASS CIR	North Kingstown	
3981575001	Teknor Apex	504 Central Avenue	Pawtucket	
3981575001	Teknor Apex (Primary)	505 Central Avenue	Pawtucket	115,510
3981575001	Teknor Apex (Decision Maker & Third Contact)	505 Central Avenue	Pawtucket	
3981575001	Teknor Apex (Secondary Contact)	505 Central Avenue	Pawtucket	
6459108006	United States Navy	7 Chandler Street	Newport	
6459108006	United States Navy	Building 7 Simon Pietri Drive	Newport	
6459108006	United States Navy	Building 7 Simon Pietri Drive	Newport	
6459108006	United States Navy Building #7 (Primary)	1 Simon Pietri Drive	Newport	126,000
6459108006	United States Navy Building #7 (Primary)	Building 7 Simon Pietri Drive	Newport	

Division 1-11

Request:

Please provide a complete monthly history of the Company’s capacity release activity for the period April 2021 through July 2022. Provide a copy of the requested information in Excel format. The history should identify capacity released for on-system FT-1 and FT-2 transportation customers and releases to others separately, as well as any capacity acquired. Include the following:

- a. Amount of capacity available for release by pipeline and rate schedule;
- b. The applicable pipeline, acquiring party, quantity by zone, rate, duration, and revenues;
- c. The otherwise applicable maximum interstate pipeline rate; and
- d. Whether any conditions were placed on the release, and whether the capacity was recalled prior to the expiration of the initial term and the release.

Response:

Please see the Excel Worksheets of Attachments Division 1-11-1 through Division 1-11-16 in the table below for the requested data from April 2021 through July 2022.

File Name	Month Activity
Attachment 1-11-1	Apr-21
Attachment 1-11-2	May-21
Attachment 1-11-3	Jun-21
Attachment 1-11-4	Jul-21
Attachment 1-11-5	Aug-21
Attachment 1-11-6	Sep-21
Attachment 1-11-7	Oct-21
Attachment 1-11-8	Nov-21
Attachment 1-11-9	Dec-21
Attachment 1-11-10	Jan-22
Attachment 1-11-11	Feb-22
Attachment 1-11-12	Mar-22
Attachment 1-11-13	Apr-22
Attachment 1-11-14	May-22
Attachment 1-11-15	Jun-22
Attachment 1-11-16	Jul-22

The Narragansett Electric Company
d/b/a Rhode Island Energy
RIPUC Docket No. 22-20-NG
In Re: 2022 Annual Gas Cost Recovery Filing
Responses to the Division's First Set of Data Requests
Issued on July 26, 2022

Attachments Division 1-11-1 through Division 1-11-16

Please see Excel Worksheets for the above-referenced attachments

Division 1-12

Request:

Please provide a complete monthly history of the Company's off-system sales activities period April 2021 through July 2022. Provide a copy of the requested information in Excel format.

Include the following:

- a. Buyer;
- b. Date arrangement was agreed upon;
- c. Date(s) sold;
- d. Quantity sold each day;
- e. Pipeline receipt point and zone;
- f. Pipeline delivery point and zone;
- g. Date(s) gas supplies were purchased to accommodate each off-system sale;
- h. Quantity purchased each day;
- i. Cost associated with gas purchased, including acquisition source, price, and transportation arrangement;
- j. Avoided costs;
- k. Sales price; and
- l. Net revenues.

Response:

Please refer to Attachment Division 1-1 for the requested information.

Division 1-13

Request:

Please provide the same information requested in the prior question for all exchange or park and loan activities wherein, for a fee, the Company accepts the delivery of gas from a counter-party at one pipeline location and delivers it to another location, accepts the delivery of gas from a counter-party and agrees to return it at a later date, or delivers gas to a counter-party at a point in time and accepts the return of that gas at a later point in time.

Response:

The Company does not engage in the types of transactions described above.

Division 1-14

Request:

Please provide, on an aggregate basis (as opposed to an individual supplier basis), a monthly tabulation of FT-1 and FT-2 transportation customer imbalances for the period April 2021 through July 2022. That is, provide receipts of customer-owned gas adjusted for distribution system fuel retention and on-system storage activity versus consumption. Show how the imbalances were resolved, including those cashed-out, cashed-in, those carried forward, or resolved through other means. Include quantities and rates applicable to resolving imbalances (cash-out and cash-in separately) as appropriate.

Response:

Month	Imbalances in Dth		Total Imbalance Dths	Index Rate
	FT1	FT2		
Apr-21	12,156.1	(10,676.4)	1,479.7	\$ 2.38
May-21	30,091.7	(12,242.8)	17,848.9	\$ 2.41
Jun-21	(2,131.6)	115,361.2	113,229.6	\$ 2.94
Jul-21	8,426.2	(84,523.7)	(76,097.5)	\$ 3.24
Aug-21	(95,634.1)	(18,854.4)	(114,488.5)	\$ 3.94
Sep-21	(12,611.0)	(95,634.1)	(108,245.1)	\$ 4.48
Oct-21	(27,154.3)	(10,831.6)	(37,985.9)	\$ 4.97
Nov-21	23,590.7	(20,655.8)	2,934.9	\$ 5.73
Dec-21	67,161.8	(36,279.8)	30,882.0	\$ 8.55
Jan-22	116,817.9	(33,593.2)	83,224.7	\$ 19.98
Feb-22	65,645.2	(7,372.1)	58,273.1	\$ 14.65
Mar-22	53,033.5	(8,166.2)	44,867.3	\$ 6.51
Apr-22	20,415.7	(7,267.4)	13,148.3	\$ 6.51
May-22	37,014.7	(32,878.5)	4,136.2	\$ 7.83
Jun-22	10,390.1	1,605.1	11,995.2	\$ 7.28
Jul-22	23,713.8	(8,321.7)	15,392.1	\$ 7.50
	330,926.4	(270,331.5)	60,594.8	

*The FT-1 imbalances are cashed out using the tier rates as listed below under Section 2.03.2.

**The FT-2 imbalances are separated into appropriate months using degree days, then multiplied by the average of the daily indices for the relevant month.

Division 1-14, page 2

FT-1 and FT-2 transportation customer imbalances are resolved as described in the Company’s gas tariff, RIPUC, NG-GAS no. 101, Section 6, Transportation Terms and Conditions, Schedule C (Gas Tariff).

The relevant excerpts from the Gas Tariff are reproduced below:

2.01 FT-1 Transportation Service:

2.03.2 Monthly Imbalances:

For each Aggregation Pool, the Marketer must maintain total Actual Transportation Quantities within a reasonable tolerance of total monthly Gas Usage. Any differences between total Monthly Transportation Quantities for an Aggregation Pool and the aggregated Gas Usage of Customers in the Aggregation Pool, expressed as a percentage of total Monthly Transportation Quantities will be cashed out according to the following schedule:

Imbalance Tier	Over-deliveries	Under-deliveries
0% - 5%	The average of the Daily Indices for the relevant Month	The highest average of seven consecutive Daily Indices for the relevant Month
> 5% - 10%	0.85 times the above stated rate	1.15 times the above stated rate
> 10% - 15%	0.60 times the above stated rate	1.4 times the above stated rate
> 15%	0.25 times the above stated rate	1.75 times the above stated rate

1.04.3 Marketer Responsibility:

For Critical Days or Operational Flow Orders (OFO) aggravated by under-delivery, the Marketer will be charged a penalty of 5 times the Daily Index for the aggregated Gas Usage of Customers in the Aggregation Pool that exceed 102% of the Marketer’s aggregate actual receipts on the Transporting Pipeline at the Point of Receipt. The Marketer will be charged a penalty of 0.1 times the Daily Index for the differences between said receipts and said usage that exceed 20% of said receipts [(Receipts – Usage) > (20% x Receipts)].

For Critical Days or OFO’s aggravated by over-delivery, the Marketer will be charged a penalty of 0.1 times the Daily Index for the aggregated Gas Usage of Customers in the Aggregation Pool that exceed 120% of the Marketer’s aggregate actual receipts on the Transporting Pipeline at the Point of Receipt. The Marketer will be charged a penalty of 5 times the Daily Index for the differences between said receipts and said usage that exceed 2% of said receipts [(Receipts – Usage) > (2% x Receipts)].

Division 1-14, page 3

3.0 FT-2 Transportation Service:

3.04.0 Billing Imbalances:

The forecasted daily use (FDU) will be calculated each day. Imbalances between customer Gas Usage and the Forecasted Daily Usage (FDU), adjusted for actual weather, will be cashed out at the average of the Algonquin and Tennessee city gate delivered monthly indexes. The Company will prorate the imbalance amount between the months billed based on the customer's base load and heating use factors and apply the average monthly index to the corresponding month's imbalance quantity. Customer imbalances get split into individual months using degree days. That imbalance is then multiplied by that month's daily index. The imbalance amount will be a credit if deliveries exceed the customer's use and a debit if deliveries are less than the customer's use. The billed imbalance amount for any billing will be the sum of the imbalance charges or credits attributable to each individual month. The forecasted daily use (FDU) will be calculated each day. Imbalances between customer Gas Usage and the Forecasted Daily Usage (FDU), adjusted for actual weather, will be cashed out at the average of the Algonquin and Tennessee city gate delivered monthly indexes. The Company will prorate the imbalance amount between the months billed based on the customer's base load and heating use factors and apply the average monthly index to the corresponding month's imbalance quantity. Customer imbalances get split into individual months using degree days. That imbalance is then multiplied by that month's daily index.

The imbalance amount will be a credit if deliveries exceed the customer's use and a debit if deliveries are less than the customer's use. The billed imbalance amount for any billing will be the sum of the imbalance charges or credits attributable to each individual month.

3.03.1 Critical Days:

To satisfy the FDU (Forecasted Daily Use) nomination requirement on Critical Days, the Marketer is required to fully utilize upstream capacity that it received from Company through Capacity Release so as to help avoid restricting the Company's ability to provide efficient and reliable firm transportation and sales service. Notice of Critical Days will be posted on the EBB no later than concurrent with the posting of the FDU nomination requirement.

3.03.2 Over and Under-deliveries:

Under-deliveries at times when an OFO or critical day have not been declared will be cashed out at 120% of daily index. If the Company declares an OFO or critical day condition reducing the tolerance for over-deliveries, any over-deliveries of the aggregation pool's gas requirements, above the FDU, will be cashed out at 40% of the daily index. In addition, the Company reserves the right to reject such a nomination. Over-deliveries at other times will be cashed out at 80% of Daily Index.

Division 1-14, page 4

1.06.0 Shipper and Transporting Pipeline Requirements:

Marketers must deliver a minimum of forty percent (40%) of total daily pipeline receipts (including all of the Marketer's Aggregation Pools serving both FT-1 and FT-2 customers) on each of the upstream pipelines: Algonquin Gas Transmission ("Algonquin") and Tennessee Gas Pipeline ("Tennessee"). The remaining twenty percent (20%) of total daily pipeline receipts (including all of the Marketer's Aggregation Pools serving both FT-1 and FT-2 customers) may be delivered on either or both Algonquin or Tennessee.

If the Marketer does not deliver gas on the transporting pipelines as required above, the Company may charge the Marketer a penalty of 0.5 times the Daily Index for all differences less than the forty (40) percent minimum requirement on each transporting pipeline

Division 1-15

Request:

Please identify the extent to which the Company was unable to use its long-haul Tennessee capacity with Gulf Coast production area primary receipt points to purchase Tennessee Zone 4 gas supplies during the period August 2021 through July 2022, i.e., the Company purchased Gulf Coast supplies.

Response:

Due to a Force Majeure called at Segment 261 by Tennessee Gas Pipeline on December 22, 2021 with potential service interruptions beginning for flow date December 28, 2021, the Company was unable to purchase Tennessee Zone 4 gas for the following days: December, 28, 29 30 and December 31, 2021

For these four days, the Company purchased primary gas at Tennessee Zone L - 500L Pool and Tennessee Niagara.

Division 1-16

Request:

Please identify the extent to which the Company was unable to use its long-haul Texas Eastern capacity with Gulf Coast production area primary receipt points to purchase Texas Eastern M-2 gas supplies during the period August 2021 through July 2022, i.e., the Company purchased Gulf Coast Supplies.

Response:

For the month of August 2021, the Company purchased 2,063 daily at Tetco M1 due to continued pressure reductions at Uniontown after Texas Eastern failed to secure a waiver with the PSHMA. Flows from the M2 Pool to the Citygates were subject to daily cuts, so the Company purchased M1 supply to flow as a higher priority and avoid any potential restrictions. No additional daily purchases were made for period August 2021 through July 2022.

Redacted
Division 1-17

Request:

Please provide a schedule identifying for the winter of 2022/23:

- a. The MDQ of each gas supply contract and the applicable daily and monthly nomination/purchase provisions;
- b. The demand charges associated with each gas supply contract (applicable rate and amount); and
- c. Commodity pricing provisions.

Response:

Please see the chart below which provides the following information for those transactions that have been executed for the winter of 2022/23: (i) the MDQ of each gas supply contract and the applicable daily and monthly nomination/purchase requirements; (ii) the demand charges associated with each gas supply contract (applicable rate and amount); and (iii) commodity pricing provisions. The Company is currently negotiating transactions for winter 2022/23 and will supplement this response once these transactions have been fully executed.

Gas Supplier	Path/Receipt Point	Gas Supply Purchase/AMA	Term	Maximum Daily Quantity (dth)	Maximum Monthly Quantity (dth)	Total AMA fee	Total Demand Charge	Gas Supply Requirements	Commodity Price
Constellation LNG, LLC	Winter Vapor Purchase at AGT	Gas Supply Purchase	11/1/22 - 3/31/23	14,100	507,600	N/A	[REDACTED]	Daily Call	AGT CG

Please note that this response contains confidential and commercially sensitive pricing information. Therefore, the Company is providing a redacted version of this response along with an unredacted confidential version subject to a motion for protective treatment.

Division 1-18

Request:

For the five coldest non-weekend/holiday days during the winter of 2021/2022, please provide an analysis that demonstrates that the design day forecast models relied upon and developed by the Company for the winter of 2021/22 produced a reasonable estimate of planning load on these five days. Include the regression equations and calculations supporting the analysis.

Response:

For each annual gas load forecast, the Company prepares regression analyses of its total daily throughput, total daily capacity-eligible FT-1 volumes, total daily capacity-exempt FT-1 volumes, and total daily non-firm volumes for the most recent April through March period as springboards for its daily customer requirements forecast. The segmented regression equations used are documented on pages 10-11 of the Company’s ‘Long-Range Resource and Requirements Plan Forecast Period 2022/23 to 2026/27’ submission as filed in Docket No. 22-06-NG. A copy of the referenced pages are provided as Attachment Division 1-18.

Since Sales and FT-2 customers are presently monthly metered, the Company does not have actual Sales and FT-2 daily volumes separately. It can infer the sum of its daily Sales plus FT-2 volumes by subtracting the total daily capacity-eligible FT-1 volumes, total daily capacity-exempt FT-1 volumes, plus total daily non-firm volumes from its total daily throughput.

In the tables below, the Company presents the five coldest non-weekend/non-holiday days of the 2021-22 winter, the observed HDD, and the backcasted versus actual volumes for the available customer groups. The backcasted values are predicted values based on the observed actual HDDs. The mean absolute percentage errors (MAPE) of the models are presented.

Table 1: Backcasted vs. Actual capacity-eligible FT-1 Volume (Dth)

	<u>HDD</u>	<u>Backcasted</u>	<u>Actual</u>	<u>Residual</u>	<u>Pct Error</u>
Tue 11 Jan 2022	51	18,284	18,127	-157	-0.9 %
Mon 14 Feb 2022	49	17,635	17,625	-10	-0.1 %
Fri 21 Jan 2022	47	16,589	17,262	673	3.9 %
Wed 26 Jan 2022	47	17,343	17,396	53	0.3 %
Mon 31 Jan 2022	46	17,773	17,119	-654	-3.8 %
				MAPE =	1.8 %

The Narragansett Electric Company
d/b/a Rhode Island Energy
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Table 2: Backcasted vs. Actual capacity-exempt FT-1 Volume (Dth)

	<u>HDD</u>	<u>Backcasted</u>	<u>Actual</u>	<u>Residual</u>	<u>Pct Error</u>
Tue 11 Jan 2022	51	24,727	23,083	-1,644	-7.1 %
Mon 14 Feb 2022	49	23,991	24,393	402	1.6 %
Fri 21 Jan 2022	47	22,958	22,884	-74	-0.3 %
Wed 26 Jan 2022	47	23,771	23,659	-112	-0.5 %
Mon 31 Jan 2022	46	24,490	23,199	-1,291	<u>-5.6 %</u>
				MAPE =	3.0 %

Table 3: Backcasted vs. Actual Non-Firm Volume (Dth)

	<u>HDD</u>	<u>Backcasted</u>	<u>Actual</u>	<u>Residual</u>	<u>Pct Error</u>
Tue 11 Jan 2022	51	0	0	0	-
Mon 14 Feb 2022	49	498	0	-498	-
Fri 21 Jan 2022	47	654	0	-654	-
Wed 26 Jan 2022	47	897	0	-897	-
Mon 31 Jan 2022	46	521	6	-515	-
				MAPE =	(*)

*The Company's modeling reflects a cutoff of non-firm load by approximately 49 HDD but it can vary based on the prior day's HDD and actual operating circumstances.

Table 4: Backcasted vs. Actual Sales Plus FT-2 Volume (Dth)

	<u>HDD</u>	<u>Backcasted</u>	<u>Actual</u>	<u>Residual</u>	<u>Pct Error</u>
Tue 11 Jan 2022	51	279,603	285,570	5,967	2.1 %
Mon 14 Feb 2022	49	265,169	263,189	-1,980	-0.8 %
Fri 21 Jan 2022	47	255,559	263,496	7,937	3.0 %
Wed 26 Jan 2022	47	259,373	260,628	1,255	0.5 %
Mon 31 Jan 2022	46	270,342	252,910	-17,432	<u>-6.9 %</u>
				MAPE =	2.7 %

III.C.1. Wholesale Volume by Division

To establish normal-year springboard sendout requirements, the Company developed a linear-regression equation for each of its four divisions (formerly Providence Gas, Westerly Gas, Bristol and Warren Gas, and Valley Gas) using data for the reference-year period April 1, 2021 through March 31, 2022. The Company's regression equation uses sendout as its dependent variable and temperature as its independent variable.⁴

Through the use of the linear-regression equation, the Company is able to normalize total daily sendout. Specifically, the actual daily firm sendout is regressed against: (1) HDD data as provided by its weather service vendor Weather Services International, (2) HDD data lagged over two days, and (3) a weekend dummy variable. These data elements were selected for the regression analysis since these elements have been, and continue to be, the major explanatory variables underlying the Company's daily sendout requirements.

The Company selected the T.F. Green International Airport weather station (KPVD or T.F. Green) as the source of the weather data used as the principal explanatory variable in its regression equations. The Company selected the T.F. Green weather station because it is close to the center of the Company's service territory, on a load-weighted basis, and it is highly correlated with surrounding weather stations. Specifically, the Company used the HDD value for each 24-hour period of 10:00 a.m. to 10:00 a.m., which constitutes the gas day and, therefore, corresponds to the same daily time period of observation of the sendout data.

Based on its observations of the historical relationship between total sendout and HDD, the Company chose to develop its regression equation as a segmented model, i.e., a "regression model where the relationships between the response and one or more explanatory variables are piecewise linear, namely represented by two or more straight lines connected at unknown values: these values are usually referred as breakpoints".⁵

Since a significant portion of the Company's sendout is due to space heating usage, and space heating only occurs when average air temperatures fall below a certain level, the segmented model serves as an excellent starting point for modeling the relationship between sendout and HDD. Linear modeling of sendout is appropriate since the Company has not observed any non-linear characteristics in sendout at cold temperatures.

The Company's segmented model equation includes the following variables: Intercept is the MMBtu sendout predicted at HDD=0, Slope1 is the MMBtu/HDD usage below the Breakpoint HDD level, Slope2 is the incremental MMBtu/HDD usage above the Breakpoint HDD level, the Standard Error is expressed in MMBtus, and the Breakpoint HDD is the HDD value at which space heating equipment is observed to turn on. The signs of the Slope1 and Slope2 coefficients (positive) imply that as temperatures get colder and HDD increases in value, the sendout will increase, which agrees with what the Company typically observes.

⁴ Sendout includes both Sales and supplier service (Customer Choice) customer requirements and the Company's Capacity Exempt customers.

⁵ Source: "Segmented: an R package to fit regression models with broken-line relationships," R News, Volume 8/1, May 2008, at page 20.

Based on observations of daily sendout, the Company has observed that weekday and weekend sendout requirements are different at similar HDD levels. The Company’s regression equations include a second independent variable, a weekday/weekend dummy variable, set to 0 for Mondays through Thursdays, 1 on Fridays and Sundays, and 2 on Saturdays. The sign of the coefficient (negative) implies that for a given HDD level, loads will be lower on Friday through Sunday as compared to Monday through Thursday (i.e., weekend compared to the workweek).

Finally, the Company has observed a correlation between lagged temperature and the residuals of the above equation, so the Company has added a third independent variable: the difference between HDD on day t and mean of the HDD on day $t-1$ and day $t-2$. The differences were used in lieu of the actual lagged values to avoid correlation among the independent variables. The underlying theory of this analysis is that heating requirements increase as two consecutive days of cold weather occur, which cools down structures to a greater degree than would be experienced on a single day. The introduction of the third independent variable added another incremental improvement in the adjusted R^2 of the equations. The sign of the coefficient (negative) implies that if a day is colder than the average of the previous two days, the increase in sendout will be somewhat lower than what would be forecast without the coefficient, and vice versa.

The functional form of the equation, in pseudo code, is:

```
Sendout = Intercept Coefficient +
Weekend Dummy Coefficient * Weekend Dummy Variable +
Slope1 Coefficient * min(HDDt, Breakpoint HDD) +
if(HDDt <= Breakpoint HDD) {0} else {(Slope1 Coefficient
+ Slope2 Coefficient) *
(HDDt - Breakpoint HDD)} +
Lagged Delta HDD Coefficient * (HDDt - average(HDDt-1, HDDt-2))
```

These regression equations capture the observed characteristics of the Company’s sendout requirements by gas division. The observed characteristics include the following: (1) sendout requirements are directly related to HDD; (2) sendout requirements are affected by HDDs that occur over a multi-day period; and (3) sendout requirements differ by day of the week. Thus, the Company has developed a set of reliable regression equations to describe wholesale gas sendout by division. Using a series of daily normal HDDs, these equations allow the Company to calculate its history of normalized wholesale gas sendout for each of its four gas divisions.

Exhibit 7, provided in Microsoft Excel format, contains the wholesale volume forecast by rate group for normal and design weather and SENDOUT forecasts (normal and design weather) for capacity planning purposes for volumes and costs.

III.C.2. Wholesale Volume by End-Use

In addition to its segmented regression equations for each gas division, the Company runs similar regression equations for the sum of its four divisions for its capacity-eligible FT-1, capacity-exempt, and non-firm sales customers to best characterize the daily usage patterns of

Division 1-19

Request:

With respect to the capacity assigned to FT-1 transportation customers for the period August 2021 through July 2022:

- a. Please identify the monthly quantity of capacity assigned by pipeline contract and rate schedule;
- b. Explain how the quantity assigned is determined;
- c. Identify the applicable monthly pipeline rates and costs of each capacity assignment; and
- d. Please identify any monthly charges assessed to FT-1 customers (or their supplies) for the assigned capacity beyond the charges paid directly to the pipeline by the customer or their supplier. Explain how the additional charges are determined.

Response:

- a. Please see Attachment Division 1-19 for FT-1 Capacity assignments
- b. The quantity assigned is determined in accordance with the Company's Gas Tariff, RIPUC NG-GAS No. 101, Section 6, Schedule C, Sheet 9, section 1.07.0 which provides, in part:

The Company shall determine the quantity to be released based on the customer's calculated Peak Day Use and load factor rate class. The Company will separately calculate assignment percentages for high load factor rate classes and low load factor rate classes eligible for transportation for pipeline, storage and peaking. It will then multiply the pipeline percentage applicable to the Customer's rate class times the Customer's Peak Day Use to determine the amount of capacity to be assigned to the Marketer.

- c. Please see Attachment Division 1-19 for the applicable pipeline rates.
- d. All monthly charges for capacity are billed directly from the pipeline.

Capacity released for on-system FT-1 transportation customers Aug 2021-July 2022

Rate Schedule	Algonquin	Aug-2021	Sep-2021	Oct-2021	Nov-2021	Dec-2021	Jan-2022	Feb-2022	Mar-2022	Apr-2022	May-2022	Jun-2022	Jul-2022
AFT-1	93011E	3,422 0.2825 \$	3,415 0.2825 \$	3,719 0.2825 \$	3,777 0.2825 \$	3,775 0.2825 \$	3,716 0.2825 \$	3,650 0.2825 \$	3,672 0.2825 \$	3,672 0.2825 \$	3,528 0.2825 \$	3,240 0.2825 \$	3,247 3,0000
AFT-1	90106	2,742 0.2825 \$	2,736 0.2825 \$	2,736 0.2825 \$	2,670 0.2825 \$	2,670 0.2825 \$	2,629 0.2825 \$	2,581 0.2825 \$	2,596 0.2825 \$	2,596 0.2825 \$	2,597 0.2825 \$	2,596 0.2825 \$	2,601 0.2825
AFT-1	90107	519 0.2825 \$	515 0.2825 \$	670 0.2825 \$	497 0.2825 \$	497 0.2825 \$	489 0.2825 \$	481 0.2825 \$	484 0.2825 \$	484 0.2825 \$	0 0.2825 \$	0 0.2825 \$	0 0.2825
AFT-ES	93001ESC	119 0.1130 \$	120 0.1130 \$	149 0.1130 \$	181 0.1130 \$	159 0.1130 \$	156 0.1130 \$	154 0.1130 \$	155 0.1130 \$	154 0.1130 \$	142 0.1130 \$	113 0.1130 \$	113 0.1130
AFT-1	510801	1,234 1.3738 \$	1,231 1.3738 \$	1,232 1.3738 \$	1,202 1.3738 \$	1,201 1.3738 \$	1,182 1.3738 \$	1,162 1.3738 \$	1,169 1.3738 \$	1,169 1.3738 \$	1,169 1.3738 \$	1,169 1.3738 \$	1,171 1.3738
AFT-CL	510985	7,292 0.0900 \$	7,276 0.0900 \$	7,278 0.0900 \$	7,104 0.0900 \$	7,101 0.0900 \$	6,989 0.0900 \$	6,864 0.0900 \$	6,904 0.0900 \$	6,904 0.0900 \$	6,905 0.0900 \$	6,904 0.0900 \$	6,918 0.0900
Tennessee													
FT-A	1597	2,009 18.8294 \$	2,005 18.8294 \$	2,006 18.8294 \$	1,958 18.4175 \$	1,957 18.8292 \$	1,926 18.4169 \$	1,891 18.4174 \$	1,902 18.4183 \$	1,902 18.4180 \$	1,903 18.4173 \$	1,902 18.4175 \$	1,907 18.4178
FT-A	62930	3,358 4.1818 \$	3,350 4.1818 \$	3,351 4.1818 \$	3,271 4.0968 \$	3,270 4.0968 \$	3,218 4.0968 \$	3,162 4.0968 \$	3,180 4.0968 \$	3,180 4.0968 \$	3,181 4.0968 \$	3,180 4.0968 \$	3,186 4.0968
FT-A	64026	795 22.7778 \$	793 22.7778 \$	794 22.7778 \$	775 22.7853 \$	775 22.7853 \$	762 22.7853 \$	749 22.7853 \$	753 22.7853 \$	753 22.7853 \$	753 22.7853 \$	753 22.7853 \$	754 22.7853
Columbia													
FTS	31524	2,742 12.7290 \$	2,736 12.7290 \$	2,736 12.7290 \$	2,670 12.7290 \$	2,670 9.5920 \$	2,629 9.5920 \$	2,581 9.5920 \$	2,596 9.5920 \$	2,596 9.8100 \$	2,597 9.8530 \$	2,596 9.8530 \$	2,601 9.8530
Tetco													
CDS	800303	3,148 7.8475 \$	3,141 7.8475 \$	3,142 7.8475 \$	3,067 7.8475 \$	3,066 7.8348 \$	3,018 12.8877 \$	2,964 12.8877 \$	2,982 12.8877 \$	2,982 12.9058 \$	2,981 12.9058 \$	2,980 12.9058 \$	2,986 12.9058
CDS	800156	144 7.8475 \$	144 7.8475 \$	144 7.8475 \$	140 7.8475 \$	140 7.8348 \$	138 12.8877 \$	135 12.8877 \$	136 12.8877 \$	136 12.9058 \$	137 12.9058 \$	137 12.9058 \$	137 12.9058
Millennium													
FT-1	210165	617 0.6499 \$	616 0.6499 \$	617 0.6499 \$	602 0.6499 \$	601 0.6499 \$	592 0.6499 \$	581 0.6499 \$	585 0.6499 \$	585 0.6499 \$	585 0.6499 \$	585 0.6499 \$	586 0.6499
PNGTS													
FT-A	233317	1987 0.7500 \$	1983 0.7500 \$	1983 0.7500 \$	1937 0.7494 \$	1935 0.7494 \$	1905 0.7494 \$	1871 0.7494 \$	1882 0.7494 \$	1882 0.7494 \$	1882 0.7494 \$	1882 0.7494 \$	1886 0.7494
Transcanada													
FT	60659	2,101 16.7377 \$	2,097 16.7377 \$	2,097 16.7377 \$	2,048 21.0301 \$	2,047 21.0301 \$	2,014 20.9997 \$	1,979 20.9997 \$	1,991 20.9997 \$	1,991 20.9997 \$	1,991 20.9997 \$	1,991 20.9997 \$	1,995 20.9997
Union													
M12	M12274	2,101 3.6320 \$	2,097 3.6320 \$	2,097 3.6320 \$	2,048 3.6650 \$	2,047 3.6650 \$	2,014 3.6890 \$	1,979 3.6890 \$	1,991 3.6890 \$	1,991 3.6890 \$	1,991 3.6890 \$	1,991 3.6890 \$	1,995 3.6890

Division 1-20

Request:

With respect to the capacity assigned to FT-2 transportation customers for the period August 2021 through July 2022:

- a. Please identify the monthly quantity of capacity assigned by pipeline contract and rate schedule;
- b. Explain how the quantity assigned is determined;
- c. Identify the applicable monthly pipeline rates and costs of each capacity assignment; and
- d. Please identify any monthly charges assessed to FT-2 customers (or their supplies) for the assigned capacity beyond the charges paid directly to the pipeline by the customer or their supplies. Explain how the additional charges are determined.

Response:

- a. Please see Attachment Division 1-20 for FT-2 Capacity assignments by month for the period August 2021 through July 2022.
- b. The quantity assigned is determined as described in the Company's Tariff, RIPUC NG-GAS No. 101, Section 6, Schedule C, Sheets 9 through 11, Item 1.07.0 which provides, in part,

The Company shall determine the quantity to be released based on the customer's calculated Peak Day Use and load factor rate class. The Company will separately calculate assignment percentages for high load factor rate classes and low load factor rate classes eligible for transportation for pipeline, storage and peaking. It will then multiply the pipeline percentage applicable to the Customer's rate class times the Customer's Peak Day Use to determine the amount of capacity to be assigned to the Marketer.

- c. Please see Attachment Division 1-20 for the applicable pipeline rates and costs of each capacity assignment.
- a. No monthly charges are assessed to FT-2 customers (or their supplies) for the assigned capacity beyond the charges paid directly to the pipeline by the customer or their supplies.

Capacity released for on-system FT-2 transportation customers Aug 20201-July 2022

Rate Schedule	Algonquin	Aug-2021	Sep-2021	Oct-2021	Nov-2021	Dec-2021	Jan-2022	Feb-2022	Mar-2022	Apr-2022	May-2022	Jun-2022	Jul-2022
AFT-1	93011E	5,644 0.2825 \$	5,630 0.2825 \$	6,156 0.2825 \$	6,538 0.2825 \$	6,530 0.2825 \$	6,461 0.2825 \$	6,429 0.2825 \$	6,429 0.2825 \$	6,413 0.2825 \$	6,141 0.2825 \$	5,640 0.2825 \$	5,644 3.0000
AFT-1	90106	4,521 0.2825 \$	4,510 0.2825 \$	4,532 0.2825 \$	4,623 0.2825 \$	4,618 0.2825 \$	4,569 0.2825 \$	4,546 0.2825 \$	4,546 0.2825 \$	4,535 0.2825 \$	4,519 0.2825 \$	4,518 0.2825 \$	4,521 0.2825 \$
AFT-1	90107	849 0.2825 \$	843 0.2825 \$	1,073 0.2825 \$	861 0.2825 \$	860 0.2825 \$	851 0.2825 \$	848 0.2825 \$	847 0.2825 \$	844 0.2825 \$	0 0.2825 \$	0 0.2825 \$	0 0.2825 \$
AFT-ES	93001ESC	196 0.1130 \$	194 0.1130 \$	244 0.1130 \$	313 0.1130 \$	274 0.1130 \$	271 0.1130 \$	271 0.1130 \$	270 0.1130 \$	270 0.1130 \$	244 0.1130 \$	196 0.1130 \$	197 0.1130 \$
AFT-1	510801	2,035 1.3738 \$	2,030 1.3738 \$	2,039 1.3738 \$	2,081 1.3738 \$	2,078 1.3738 \$	2,057 1.3738 \$	2,045 1.3738 \$	2,045 1.3738 \$	2,039 1.3738 \$	2,032 1.3738 \$	2,032 1.3738 \$	2,034 1.3738 \$
AFT-CL	510985	12,026 0.0900 \$	11,994 0.0900 \$	12,051 0.0900 \$	12,296 0.0900 \$	12,283 0.0900 \$	12,153 0.0900 \$	12,091 0.0900 \$	12,091 0.0900 \$	12,060 0.0900 \$	12,019 0.0900 \$	12,016 0.0900 \$	12,025 0.0900 \$
Tennessee													
FT-A	1597	3,316 18.8294 \$	3,308 18.8294 \$	3,322 18.8294 \$	3,388 18.4175 \$	3,386 18.8292 \$	3,350 18.4169 \$	3,332 18.4174 \$	3,333 18.4183 \$	3,323 18.4180 \$	3,313 18.4173 \$	3,312 18.4175 \$	3,315 18.4178 \$
FT-A	62930	5,537 4.1818 \$	5,523 4.1818 \$	5,549 4.1818 \$	5,663 4.0968 \$	5,656 4.0968 \$	5,596 4.0968 \$	5,567 4.0968 \$	5,567 4.0968 \$	5,554 4.0968 \$	5,535 4.0968 \$	5,532 4.0968 \$	5,537 4.0968 \$
FT-A	64026	1,311 22.7778 \$	1,308 22.7778 \$	1,313 22.7778 \$	1,339 22.7853 \$	1,339 22.7853 \$	1,325 22.7853 \$	1,318 22.7853 \$	1,318 22.7853 \$	1,315 22.7853 \$	1,310 22.7853 \$	1,309 22.7853 \$	1,310 22.7853 \$
Columbia													
FTS	31524	4,521 12.7290 \$	4,510 12.7290 \$	4,532 12.7290 \$	4,623 12.7290 \$	4,618 9.5920 \$	4,569 9.5920 \$	4,546 9.5920 \$	4,546 9.5920 \$	4,535 9.8100 \$	4,519 9.8530 \$	4,518 9.8530 \$	4,521 9.8530 \$
Telco													
CDS	800303	5,192 7.8475 \$	5,178 7.8475 \$	5,202 7.8475 \$	5,308 7.8475 \$	5,302 7.8348 \$	5,245 12.8877 \$	5,219 12.8877 \$	5,219 12.8877 \$	5,205 12.9058 \$	5,189 12.9058 \$	5,188 12.9058 \$	5,191 12.9058 \$
CDS	800156	237 7.8475 \$	236 7.8475 \$	238 7.8475 \$	242 7.8475 \$	241 7.8348 \$	271 12.8877 \$	239 12.8877 \$	238 12.8877 \$	238 12.9058 \$	237 12.9058 \$	238 12.9058 \$	237 12.9058 \$
Millennium													
FT-1	210165	1,018 0.6499 \$	1,016 0.6499 \$	1,020 0.6499 \$	1,041 0.6499 \$	1,040 0.6499 \$	1,029 0.6499 \$	1,024 0.6499 \$	1,024 0.6499 \$	1,021 0.6499 \$	1,017 0.6499 \$	1,018 0.6499 \$	1,018 0.6499 \$
PNGTS													
FT-A	233317	3,278 0.7500 \$	3,269 0.7500 \$	3,285 0.7500 \$	3,352 0.7494 \$	3,349 0.7494 \$	3,313 0.7494 \$	3,296 0.7494 \$	3,296 0.7494 \$	3,288 0.7494 \$	3,277 0.7494 \$	3,276 0.7494 \$	3,279 0.7494 \$
Transcanada													
FT	60659	3,467 16.7377 \$	3,458 16.7377 \$	3,474 16.7377 \$	3,544 21.0301 \$	3,540 21.0301 \$	3,503 20.9997 \$	3,485 20.9997 \$	3,486 20.9997 \$	3,476 20.9997 \$	3,463 20.9997 \$	3,465 20.9997 \$	3,466 20.9997 \$
Union													
M12	M12274	3,467 3.6320 \$	3,548 3.6320 \$	3,474 3.6320 \$	3,544 3.6650 \$	3,540 3.6650 \$	3,503 3.6890 \$	3,485 3.6890 \$	3,486 3.6890 \$	3,476 3.6890 \$	3,463 3.6890 \$	3,465 3.6890 \$	3,466 3.6890 \$

Division 1-21

Request:

Please provide the projected design day, design winter, and design annual volumes of high and low load factor sales customers for the period November 2022 through October 2023.

Response:

Please see Attachment Division 1-21 for the projected design day, design winter, and design annual volumes of high and low load factor sales customers for the period November 2022 through October 2023. See page 1 of 4 of Attachment Division1-21: line 15 which presents the project design day for the 2022/23 period, lines (10) and (11), columns (b) through (f) which present the projected design winter, and lines (10) and (11), columns (b) through (m) which show the projected design annual volumes.

**RI Energy - RI Gas
Gas Cost Recovery (GCR) Filing
Design Winter Period and Design Day Throughput (Dth)**

Rate Class (a)	Reference	Line #	Nov-22 (b)	Dec-22 (c)	Jan-23 (d)	Feb-23 (e)	Mar-23 (f)	Apr-23 (g)	May-23 (h)	Jun-23 (i)	Jul-23 (j)	Aug-23 (k)	Sep-23 (l)	Oct-23 (m)	Total (n)
SALES (dth)															
(1) Residential Non-Heating	Page 4	Line (70)	26,318	40,458	51,125	55,970	42,748	35,796	18,271	15,276	11,999	11,633	11,771	15,326	336,692
(2) Residential Heating	Page 4	Line (71)	1,583,947	2,943,476	3,996,189	4,486,954	3,250,761	2,591,472	897,868	598,346	449,401	433,319	443,068	618,082	22,292,883
(3) Small C&I	Page 4	Line (72)	143,091	321,316	473,154	572,639	406,878	296,048	123,091	60,817	43,022	39,487	38,085	50,616	2,568,244
(4) Medium C&I	Page 4	Line (74)	240,263	441,214	585,398	681,959	512,696	428,389	193,705	144,582	93,177	89,680	91,085	111,595	3,613,743
(5) Large LLF	Page 4	Line (76)	36,612	88,067	121,920	146,819	109,310	88,447	36,382	18,980	7,974	7,493	7,941	12,523	682,468
(6) Large HLF	Page 4	Line (78)	18,308	22,557	30,920	36,120	30,614	27,166	21,129	16,158	13,142	12,569	13,829	14,460	256,971
(7) Extra Large LLF	Page 4	Line (80)	7,335	10,966	12,103	12,821	13,508	11,741	4,910	2,618	1,231	1,206	1,158	2,622	82,217
(8) Extra Large HLF	Page 4	Line (82)	6,814	15,479	12,213	9,627	5,679	5,061	6,710	8,185	7,131	6,636	7,177	6,523	97,237
(9) Total Sales	Sum[(1):(8)]		2,062,688	3,883,534	5,283,023	6,002,909	4,372,192	3,484,119	1,302,067	864,962	627,077	602,023	614,115	831,747	29,930,455
(10) Low Load Factor	Sum[(2)-(5),(7)]		2,011,249	3,805,039	5,188,764	5,901,191	4,293,152	3,416,097	1,255,957	825,342	594,804	571,185	581,338	795,437	29,239,555
(11) High Load Factor	Sum[(1),(6),(8)]		51,440	78,495	94,259	101,717	79,040	68,022	46,110	39,619	32,272	30,838	32,777	36,310	690,900

2022/2023 Design Day Send Out

(12) Pipeline	216,649	Dktherm
(13) Underground Storage	38,894	Dktherm
(14) LNG	138,109	Dktherm
(15) Total Projected 2022/2023 Design Day	393,652	Dktherm

**Derivation of Monthly Design Sales
Normal Volumes (Dth)**

	Nov-22 (b)	Dec-22 (c)	Jan-23 (d)	Feb-23 (e)	Mar-23 (f)	Apr-23 (g)	May-23 (h)	Jun-23 (i)	Jul-23 (j)	Aug-23 (k)	Sep-23 (l)	Oct-23 (m)	Nov-Oct (n)
(1) Residential Non-Heating	24,595	36,494	45,636	49,655	38,800	32,722	17,627	14,729	12,134	11,633	11,842	14,932	310,797
(2) Residential Heating	1,449,312	2,596,057	3,498,553	3,915,982	2,891,087	2,317,355	851,793	573,936	453,690	433,319	446,697	598,069	20,025,849
(3) Small C&I	131,203	282,550	412,804	497,959	360,161	263,710	114,865	57,952	50,105	39,487	38,085	49,715	2,298,596
(4) Small Transport	11,536	23,373	30,909	36,658	27,174	22,134	10,132	6,469	4,082	3,755	3,717	4,901	184,842
(5) Medium C&I	222,677	392,733	516,336	598,322	458,833	385,399	183,377	136,456	95,356	89,680	91,490	109,410	3,280,069
(6) Med Transport	199,205	302,095	378,565	413,442	325,078	281,684	141,517	102,313	73,956	70,871	72,808	96,863	2,458,396
(7) Large Low Load	33,227	76,910	105,933	127,285	96,299	78,186	33,464	17,298	8,130	7,493	8,041	11,983	604,248
(8) Large Low Load- Transport	202,056	314,133	400,247	421,310	315,722	263,527	112,927	61,653	35,440	33,215	36,878	72,549	2,269,656
(9) Large High Load	17,687	21,288	28,468	32,766	28,409	25,367	20,339	15,688	13,142	12,569	14,192	14,340	244,225
(10) Large High Load- Transport	76,155	94,673	122,240	131,148	120,401	105,475	85,982	74,469	73,198	67,817	72,258	73,605	1,097,421
(11) XL Low Load	6,615	9,610	10,577	11,182	11,931	10,400	4,532	2,404	1,288	1,206	1,158	2,457	73,361
(12) XL Low Load-Transport	139,416	170,966	208,928	191,732	151,429	121,600	48,167	25,644	22,172	22,945	27,121	65,836	1,195,958
(13) XL High Load	6,814	14,317	11,500	9,181	5,679	5,061	6,710	7,993	7,228	6,636	7,300	6,523	94,943
(14) XL High Load-Transport	487,308	530,839	565,303	569,455	533,886	501,257	453,238	415,066	412,284	423,828	426,513	438,880	5,757,858
(15) Total	3,007,805	4,866,038	6,336,000	7,006,078	5,364,890	4,413,877	2,084,669	1,512,071	1,262,205	1,224,455	1,258,101	1,560,062	39,896,251
(16) HLF	612,559	697,611	773,147	792,206	727,175	669,882	583,896	527,945	517,987	522,484	532,105	548,280	7,505,275
(17) LLF	2,395,246	4,168,427	5,562,853	6,213,872	4,637,715	3,743,995	1,500,774	984,125	744,218	701,971	725,996	1,011,782	32,390,976
BaseLoad													
(18) Residential Non-Heating	11,612	11,999	11,999	10,838	11,999	11,612	11,999	11,612	11,999	11,633	11,612	11,999	140,909
(19) Residential Heating	434,904	449,401	449,401	405,911	449,401	434,904	449,401	434,904	449,401	433,319	434,904	449,401	5,275,253
(20) Small C&I	41,634	43,022	43,022	38,858	43,022	41,634	43,022	41,634	43,022	39,487	38,085	43,022	499,463
(21) Small Transport	3,768	3,893	3,893	3,517	3,893	3,768	3,893	3,768	3,893	3,755	3,717	3,893	45,654
(22) Medium C&I	90,172	93,177	93,177	84,160	93,177	90,172	93,177	90,172	93,177	89,680	90,172	93,177	1,093,592
(23) Med Transport	70,968	73,333	73,333	66,236	73,333	70,968	73,333	70,968	73,333	70,871	70,968	73,333	860,977
(24) Large Low Load	7,716	7,974	7,974	7,202	7,974	7,716	7,974	7,716	7,974	7,493	7,716	7,974	93,401
(25) Large Low Load- Transport	34,413	35,560	35,560	32,119	35,560	34,413	35,560	34,413	35,440	33,215	34,413	35,560	416,224
(26) Large High Load	13,012	13,445	13,445	12,144	13,445	13,012	13,445	13,012	13,142	12,569	13,012	13,445	157,129
(27) Large High Load- Transport	69,546	71,864	71,864	64,909	71,864	69,546	71,864	69,546	71,864	67,817	69,546	71,864	842,093
(28) XL Low Load	1,191	1,231	1,231	1,112	1,231	1,191	1,231	1,191	1,231	1,206	1,158	1,231	14,432
(29) XL Low Load-Transport	23,556	24,341	24,341	21,986	24,341	23,556	24,341	23,556	22,172	22,945	23,556	24,341	283,033
(30) XL High Load	6,814	7,131	7,131	6,441	7,131	6,814	7,131	6,814	7,131	6,636	6,901	7,131	79,062
(31) XL High Load-Transport	411,726	425,450	425,450	384,277	425,450	411,726	425,450	411,726	412,284	423,828	411,726	425,450	4,994,542
(32) Total	1,221,031	1,261,822	1,261,822	1,139,710	1,260,369	1,219,277	1,261,400	1,221,118	1,246,063	1,224,455	1,217,486	1,261,213	14,795,765
(33) HLF	512,709	529,889	529,889	478,610	528,437	510,956	529,468	512,796	516,420	522,484	512,796	529,281	6,213,736
(34) LLF	708,321	731,932	731,932	661,100	731,932	708,321	731,932	708,321	729,643	701,971	704,690	731,932	8,582,029

**Derivation of Monthly Design Sales
Heat Volumes**

	Nov-22 (b)	Dec-22 (c)	Jan-23 (d)	Feb-23 (e)	Mar-23 (f)	Apr-23 (g)	May-23 (h)	Jun-23 (i)	Jul-23 (j)	Aug-23 (k)	Sep-23 (l)	Oct-23 (m)	Nov-Oct (n)
(35) Residential Non-Heating	12,983	24,495	33,637	38,818	26,801	21,110	5,628	3,117	135	0	231	2,933	169,888
(36) Residential Heating	1,014,408	2,146,656	3,049,152	3,510,071	2,441,686	1,882,451	402,392	139,031	4,289	0	11,793	148,668	14,750,597
(37) Small C&I	89,569	239,528	369,782	459,101	317,139	222,076	71,843	16,318	7,083	0	0	6,693	1,799,134
(38) Small Transport	7,768	19,480	27,016	33,141	23,281	18,366	6,239	2,701	189	0	0	1,008	139,188
(39) Medium C&I	132,505	299,556	423,159	514,161	365,656	295,227	90,200	46,284	2,178	0	1,319	16,232	2,186,477
(40) Med Transport	128,238	228,762	305,232	347,205	251,745	210,716	68,184	31,346	623	0	1,840	23,529	1,597,419
(41) Large Low Load	25,510	68,937	97,959	120,083	88,325	70,469	25,490	9,581	156	0	325	4,010	510,846
(42) Large Low Load- Transport	167,643	278,573	364,687	389,191	280,162	229,114	77,367	27,241	0	0	2,465	36,989	1,853,432
(43) Large High Load	4,675	7,842	15,023	20,622	14,964	12,355	6,894	2,676	0	0	1,180	894	87,126
(44) Large High Load- Transport	6,609	22,809	50,376	66,239	48,537	35,929	14,118	4,923	1,334	0	2,712	1,741	255,328
(45) XL Low Load	5,424	8,379	9,347	10,071	10,701	9,209	3,302	1,214	57	0	0	1,226	58,929
(46) XL Low Load-Transport	115,860	146,625	184,587	169,746	127,088	98,044	23,826	2,088	0	0	3,565	41,495	912,925
(47) XL High Load	0	7,185	4,369	2,740	0	0	0	1,092	97	0	398	0	15,881
(48) XL High Load-Transport	75,582	105,389	139,853	185,178	108,436	89,532	27,788	3,340	0	0	14,787	13,430	763,315
(49) Total	1,786,774	3,604,216	5,074,178	5,866,368	4,104,522	3,194,600	823,269	290,953	16,141	0	40,615	298,849	25,100,486
(50) HLF	99,849	167,721	243,258	313,596	198,739	158,926	54,428	15,149	1,566	0	19,308	18,999	1,291,539
(51) LLF	1,686,925	3,436,495	4,830,920	5,552,772	3,905,783	3,035,674	768,842	275,804	14,575	0	21,307	279,850	23,808,947
(52) Normal Billing DD	437	760	1011	1125	835	673	262	131	19	0	13	156	5422
Heat Factors													
(53) Residential Non-Heating	30	32	33	35	32	31	21	24	7	0	18	19	31
(54) Residential Heating	2,321	2,825	3,016	3,120	2,924	2,797	1,536	1,061	226	0	907	953	2,721
(55) Small C&I	205	315	366	408	380	330	274	125	373	0	0	43	332
(56) Small Transport	18	26	27	29	28	27	24	21	10	0	0	6	26
(57) Medium C&I	303	394	419	457	438	439	344	353	115	0	101	104	403
(58) Med Transport	293	301	302	309	301	313	260	239	33	0	142	151	295
(59) Large Low Load	58	91	97	107	106	105	97	73	8	0	25	26	94
(60) Large Low Load- Transport	384	367	361	346	336	340	295	208	0	0	190	237	342
(61) Large High Load	11	10	15	18	18	18	26	20	0	0	91	6	16
(62) Large High Load- Transport	15	30	50	59	58	53	54	38	70	0	209	11	47
(63) XL Low Load	12	11	9	9	13	14	13	9	3	0	0	8	11
(64) XL Low Load-Transport	265	193	183	151	152	146	91	16	0	0	274	266	168
(65) XL High Load	0	9	4	2	0	0	0	8	5	0	31	0	3
(66) XL High Load-Transport	173	139	138	165	130	133	106	25	0	0	1,137	86	141
(67) Total	4,089	4,742	5,019	5,215	4,916	4,747	3,142	2,221	850	0	3,124	1,916	4,629
(68) Normal Billing DD	437	760	1011	1125	835	673	262	131	19	0	13	156	5422
(69) Design Billing DD	495	883	1176	1308	958	771	292	154	27	0	9	177	6250

Derivation of Monthly Design Sales
Design Sales

	Nov-22 (b)	Dec-22 (c)	Jan-23 (d)	Feb-23 (e)	Mar-23 (f)	Apr-23 (g)	May-23 (h)	Jun-23 (i)	Jul-23 (j)	Aug-23 (k)	Sep-23 (l)	Oct-23 (m)	Nov-Oct
(70) Residential Non-Heating	26,318	40,458	51,125	55,970	42,748	35,796	18,271	15,276	11,999	11,633	11,771	15,326	336,692
(71) Residential Heating	1,583,947	2,943,476	3,996,189	4,486,954	3,250,761	2,591,472	897,868	598,346	449,401	433,319	443,068	618,082	22,292,883
(72) Small C&I	143,091	321,316	473,154	572,639	406,878	296,048	123,091	60,817	43,022	39,487	38,085	50,616	2,568,244
(73) Small Transport	12,567	26,526	35,319	42,049	30,604	24,808	10,847	6,943	3,893	3,755	3,717	5,037	206,065
(74) Medium C&I	240,263	441,214	585,398	681,959	512,696	428,389	193,705	144,582	93,177	89,680	91,085	111,595	3,613,743
(75) Med Transport	216,226	339,119	428,380	469,921	362,161	312,368	149,324	107,817	73,333	70,871	72,241	100,030	2,701,790
(76) Large Low Load	36,612	88,067	121,920	146,819	109,310	88,447	36,382	18,980	7,974	7,493	7,941	12,523	682,468
(77) Large Low Load- Transport	224,306	359,217	459,766	484,618	356,991	296,890	121,786	66,436	35,440	33,215	36,119	77,529	2,552,313
(78) Large High Load	18,308	22,557	30,920	36,120	30,614	27,166	21,129	16,158	13,142	12,569	13,829	14,460	256,971
(79) Large High Load- Transport	77,032	98,365	130,461	141,923	127,551	110,707	87,598	75,333	71,864	67,817	71,423	73,839	1,133,914
(80) XL Low Load	7,335	10,966	12,103	12,821	13,508	11,741	4,910	2,618	1,231	1,206	1,158	2,622	82,217
(81) XL Low Load-Transport	154,794	194,696	239,054	219,344	170,150	135,877	50,895	26,010	22,172	22,945	26,024	71,422	1,333,384
(82) XL High Load	6,814	15,479	12,213	9,627	5,679	5,061	6,710	8,185	7,131	6,636	7,177	6,523	97,237
(83) XL High Load-Transport	497,339	547,896	588,128	599,577	549,860	514,295	456,420	415,652	412,284	423,828	421,963	440,688	5,867,929
(84) Total	3,244,951	5,449,352	7,164,130	7,960,341	5,969,509	4,879,064	2,178,937	1,563,154	1,246,063	1,224,455	1,245,604	1,600,292	43,725,851
(85) HLF	625,811	724,755	812,848	843,218	756,451	693,024	590,128	530,605	516,420	522,484	526,164	550,837	7,692,744
(86) LLF	2,619,140	4,724,597	6,351,282	7,117,123	5,213,058	4,186,040	1,588,809	1,032,549	729,643	701,971	719,441	1,049,455	36,033,107

Source: Attachment TEP-1

Division 1-22

Request:

For the periods November 2021 through October 2022 and November 2022 through October 2023, please provide the following projected design day demand quantities:

- a. Total for which the Company performs capacity planning;
- b. FT-2 customer demands met by pipeline FT capacity;
- c. FT-2 customer demands met by pipeline and LNG storage (separately);
- d. FT-1 capacity exempt customer demands met by pipeline FT capacity;
- e. FT-1 capacity exempt customer demands met by pipeline and LNG storage (separately);
- f. FT-1 capacity assigned customer demands met by pipeline FT capacity;
- g. FT-1 capacity assigned customer demands met by pipeline and LNG storage (separately);
- h. Sales customer demands met by pipeline FT capacity; and
- i. Sales customer demands met by pipeline and LNG storage (separately).

Response:

Data for 2021-22 forecasted design day are based on capacity releases for September 2021. Data for 2022-23 forecasted design day are based on capacity releases for January 2022.

	<u>Nov 2021 - Oct 2022</u>	<u>Nov 2022 – Oct 2023</u>
a. Total for which the Company performs capacity planning	393,077 Dth	394,059 Dth

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b. FT-2 customer demands met by pipeline FT capacity	Pipeline: 24,678 Dth	Pipeline: 24,447 Dth
c. FT-2 customer demands met by pipeline and LNG storage (separately)	Storage: 4,630 Dth Peaking: 16,688 Dth	Storage: 4,711 Dth Peaking: 30,296 Dth
d. FT-1 capacity exempt customer demands met by pipeline FT capacity	28,494 (Note: the Company does not perform capacity planning for the capacity-exempt customers)	28,208 (Note: the Company does not perform capacity planning for the capacity-exempt customers)
e. FT-1 capacity exempt customer demands met by pipeline and LNG storage (separately)	The Company is unaware of the supplies delivered to FT-1 capacity-exempt customers. Their total forecasted sendout is presented in (d) above.	The Company is unaware of the supplies delivered to FT-1 capacity-exempt customers. Their total forecasted sendout is presented in (d) above.
f. FT-1 capacity assigned customer demands met by pipeline FT capacity	Pipeline: 14,674 Dth	Pipeline: 13,910
g. FT-1 capacity assigned customer demands met by pipeline and LNG storage (separately)	Storage and peaking: 5,368 Dth (based on the Company's forecast of their total peak less (f))	Storage and peaking: 7,917 Dth (based on the Company's forecast of their total peak less (f))

The Narragansett Electric Company
d/b/a Rhode Island Energy
RIPUC Docket No. 22-20-NG
In Re: 2022 Annual Gas Cost Recovery Filing
Responses to the Division's First Set of Data Requests
Issued on July 26, 2022

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h. Sales customer demands met by pipeline FT capacity and	Pipeline: 174,534 Dth	Pipeline: 177,787 Dth
i. Sales customer demands meet by pipeline and LNG storage (separately).	Storage: 43,990 Dth Peaking: 115,506 Dth	Storage: 29,261 Dth Peaking: 113,607

Redacted
Division 1-23

Request:

For the period August 2021 through July 2022:

- a. Please separately identify monthly citygate storage and citygate peaking quantities sold to FT-2 marketers and the applicable price;
- b. Explain how the price for citygate storage and peaking service supplies is determined; and
- c. Explain whether the Company made citygate purchases during the period and whether the costs associated with these purchases were assigned to FT-2 marketers. If such purchases were made, identify the date of each purchase and the applicable quantities and prices.

Response:

- a. Please see the table below for monthly citygate storage and citygate peaking quantities sold to FT-2 marketers and the applicable prices for the period August 2021 through July 2022.

Month	Peaking Volumes (Dth)	Peaking Price/Dth	Storage Volumes (Dth)	Storage Price/Dth
Aug-21	n/a	n/a	0	\$ 3.97
Sep-21	n/a	n/a	0	\$ 4.52
Oct-21	n/a	n/a	0	\$ 5.10
Nov-21	0	\$ 4.62	600	\$ 4.81
Dec-21	0	\$ 5.31	10058	\$ 3.53
Jan-22	22791	\$ 4.71	105160	\$ 4.37
Feb-22	70027	\$ 6.37	68239	\$ 4.71
Mar-22	60617	\$ 5.19	46597	\$ 4.70
Apr-22	n/a	n/a	33852	\$ 6.48
May-22	n/a	n/a	59	\$ 7.79
Jun-22	n/a	n/a	17	\$ 7.39
Jul-22	n/a	n/a	0	\$ 6.83

The storage prices reflected on this table reflect a monthly average of the daily storage prices.

Redacted

Division 1-23, page 2

- b. The variable price for storage is equal to the Company's underground storage weighted average cost of gas ("WACOG"). The fixed price is determined based on the weighted average fixed costs of the underground storage assets. The variable and fixed pricing for peaking supplies are weighted averages determined by the Company's LNG WACOG and the fixed costs for any liquid refill contracts, as well as any variable or fixed costs for supply deals that the Company designates to be peaking assets.
- c. The following citygate purchases were made under the Company's agreement with Constellation LNG, LLC for delivery of up to 14,100 Dth per day to the Company's citygates. The supply call option for these volumes was entered into in advance of the heating season, so a portion of the costs associated with these purchases were assigned to FT-2 marketers in both the FT-2 Peaking Demand Rate as well as the variable rates.

Redacted

Division 1-23, page 3

Date	<u>Quantity (Dth)</u>	<u>Price (per Dth)</u>
1/11/2022	14,100	
1/14/2022	14,100	
1/15/2022	14,100	
1/20/2022	14,100	
1/21/2022	14,100	
1/26/2022	14,100	
1/27/2022	14,100	
1/28/2022	7,000	
1/29/2022	14,100	
1/30/2022	14,100	
1/31/2022	14,100	
2/5/2022	14,100	
2/6/2022	8,000	
2/13/2022	9,000	
2/14/2022	14,100	
2/15/2022	14,100	
2/26/2022	8,000	
2/27/2022	5,000	
2/28/2022	14,100	
3/3/2022	5,000	
3/28/2022	10,000	

There were no days on which citygate purchases were required to meet customers’ needs. Therefore, no citygate costs were allocated to either Sales customers or Transportation customers.

Subpart (c) of this response contains commercially sensitive and confidential information; therefore, the Company is providing confidential and redacted versions of this response, subject to a Motion for Protective Treatment

Division 1-24

Request:

Please provide a copy of all contracts governing the acquisition of LNG supplies, services, and tank lease payments that will be in effect during the period August 2022 through July 2023. Indicate how the costs associated with each contract have been or will be recovered.

Response:

Please see Attachment Division 1-24 for all executed gas supply contracts governing the acquisition of LNG supplies, services, and tank lease payments that will be in effect during the period August 2022 through July 2023. Costs associated with the acquisition of LNG supplies, services, and tank lease payments are recovered through both the GCR and the DAC. Costs associated with hourly peaking needs are recovered through the DAC; all other costs are recovered through the GCR. The Company is currently in the process of negotiating additional supply and services agreements for the coming winter and will supplement this response as additional agreements are executed.

Attachment DIV 1-24 contains commercially sensitive and confidential information; therefore, the Company is providing confidential and redacted versions of Attachment Division 1-24, subject to a Motion for Protective Treatment.

Contract ID # 1810

LNG003

SERVICE AGREEMENT
(Applicable to Service Under Rate Schedule FST-LG)

T00000381

This Agreement, is made and entered into this 11th day of December, 1998, by and between Algonquin LNG, Inc., a Delaware corporation (hereinafter referred to as "ALNG") and Providence Gas Company a (hereinafter referred to as "Customer" whether one or more persons).

WHEREAS, Customer desires to obtain from ALNG firm storage service pursuant to the terms and conditions of ALNG's Rate Schedule FST-LG; and

WHEREAS, in order for ALNG to provide the firm service Customer desires ALNG must install certain additional facilities and in connection therewith Customer and ALNG have entered into a precedent agreement dated December 11, 1998 ("Precedent Agreement") to provide for certain terms and conditions related to the firm service to be provided pursuant to this Agreement; and

WHEREAS, pursuant to the terms and conditions of the Precedent Agreement and this Agreement ALNG desires to provide firm service to customer;

In consideration of the premises and of the mutual covenants herein contained, the parties do agree as follows:

ARTICLE I
QUANTITY OF LNG TO BE STORED

Subject to the terms, conditions and limitations hereof and of ALNG's Rate Schedule FST-LG, ALNG agrees to:

- receive for Customer's account and inject into its storage facility liquefied natural gas ("LNG") in liquid form;
- store up to a maximum quantity at any one time of 600,000 Dth, to constitute Customer's Contract Storage Quantity ("CSQ"); and
- withdraw up to a Maximum Daily Withdrawal Quantity ("MDWQ") of 95,000 Dth/d of stored gas as requested by Customer and deliver it to Customer or for Customer's account.

SERVICE AGREEMENT
(Applicable to Service Under Rate Schedule FST-LG)
(continued)

ARTICLE II
TERM OF AGREEMENT

2.1 This Agreement shall be effective as of the date first above written. Service under this Agreement shall commence on the date specified by ALNG in ALNG's written notification to Customer that all conditions precedent set forth in the Precedent Agreement have been satisfied or waived and that all necessary facilities are completed and available for service, which date will not be prior to November 1, 1999. After service commences under this Agreement, this Agreement shall continue in effect until and including May 1, 2009 ("Primary Term") and shall remain in force from year-to-year thereafter unless terminated by either party pursuant to Section 12 of the General Terms and Conditions; provided, however, that subject to twelve months prior written notice, Customer shall have the right to extend the term of this Agreement through and including May 1, 2019. In the event that the Precedent Agreement is terminated for any reason other than commencement of service pursuant to this Agreement, then service under this Agreement shall not commence and this Agreement shall be null and void.

ARTICLE III
RATE SCHEDULE AND ADJUSTMENTS

3.1 Customer shall pay for all services rendered hereunder and for the availability of such service under ALNG's Rate Schedule FST-LG, as filed with the Federal Energy Regulatory Commission, and as the same may be hereafter revised or changed. The rate to be charged Customer for storage hereunder shall not be more than the maximum rate under Rate Schedule FST-LG, nor less than the minimum rate under Rate Schedule FST-LG.

Customer agrees that ALNG shall have the unilateral right to file with the appropriate regulatory authority and make changes effective in (a) the rates and charges applicable to service pursuant to ALNG's Rate Schedule FST-LG, (b) ALNG's Rate Schedule FST-LG, pursuant to which service hereunder is rendered or (c) any provision of the General Terms and Conditions applicable to Rate Schedule FST-LG. ALNG agrees that Customer may protest or contest the aforementioned filings, or may seek authorization from duly constituted regulatory authorities for such adjustment of ALNG's existing FERC Gas Tariff as may be found necessary to assure that the provisions in (a), (b), or (c) above are just and reasonable.

SERVICE AGREEMENT
(Applicable to Service Under Rate Schedule FST-LG)
 (continued)

ARTICLE IV
 ADDRESSES

Except as herein otherwise provided, or as provided in the General Terms and Conditions of ALNG's FERC Gas Tariff, any notice, request, demand, statement, bill or payment provided for in this Agreement, or any notice which any party may desire to give to the other, shall be in writing and shall be considered as duly delivered when mailed by registered, certified, or first class mail to the post office address of the parties hereto, as the case may be, as follows:

(a) Pipeline: Algonquin LNG, Inc.
 5400 Westheimer Ct.
 Houston, Tx 77056

(b) Customer: Providence Gas Company
 100 Weybosset Street
 Providence, RI 02903

or such other address as either party shall designate by formal written notice.

ARTICLE V
 RATE SCHEDULES AND GENERAL TERMS AND CONDITIONS

This Agreement and all terms and provisions contained or incorporated herein are subject to the provisions of ALNG's applicable rate schedules and of ALNG's General Terms and Conditions on file with the Federal Energy Regulatory Commission, or other duly constituted authorities having jurisdiction, and as the same may be legally amended or superseded, which rate schedules and General Terms and Conditions are by this reference made a part hereof.

ARTICLE VI
 INTERPRETATION

The interpretation and performance of this Agreement shall be in accordance with the laws of the state of Rhode Island, excluding conflicts of law principles that would require the application of the laws of a different jurisdiction.

SERVICE AGREEMENT
(Applicable to Service Under Rate Schedule FST-LG)
(continued)

ARTICLE VII
AGREEMENTS BEING SUPERSEDED

This Agreement shall supersede (as of the date of commencement of service hereunder as specified in ARTICLE II of this Agreement) the following agreements between the parties hereto for the storage of natural gas by ALNG for Customer:

Rate Schedule X-4, dated October 1, 1971, included in ALNG's FERC Gas Tariff, Fourth Revised Volume No. 2; and Rate Schedule FST-LG service agreement dated November 1, 1993.

SERVICE AGREEMENT
(Applicable to Service Under Rate Schedule FST-LG)
(continued)

IN WITNESS WHEREOF, the parties hereto have caused this Agreement to be signed by their respective agents thereunto duly authorized, the day and year first above written.

ALGONQUIN LNG, INC.

By: J. J. McElaney *JMT*

Title: VICE PRESIDENT

PROVIDENCE GAS COMPANY

By: James [Signature] *[Signature]*

Title: SR. V.P.

CONTRACT ID # 5088

T00009091

FIRM LIQUEFACTION SERVICE AGREEMENT

This Agreement, is made and entered into this 31st day of July 2019 by and between National Grid LNG LLC, a Delaware limited company (hereinafter referred to as "the Company") and The Narragansett Electric Company d/b/a National Grid, a company organized and existing under the laws of the Commonwealth of Rhode Island (hereinafter referred to as "Customer" whether one or more persons). All terms not defined herein have the meaning given in Company's tariff filed with the Federal Energy Regulatory Commission.

In consideration of the premises and of the mutual covenants herein contained, the parties do agree as follows:

ARTICLE I
QUANTITY OF NATURAL GAS TO BE LIQUEFIED

Subject to the terms, conditions and limitations hereof and of the Company's Rate Schedule LNG, the Company agrees to:

- receive from Customer natural gas in vapor form for liquefaction and to inject the liquefied natural gas ("LNG") into Company's storage facility for Customer's storage account or to concurrently deliver an equivalent quantity of LNG to Customer's trucks;
- liquefy up to a total quantity of natural gas in vapor form of 2,616 Dth/day during the liquefaction season, to constitute Customer's Liquefaction Contract Quantity;

ARTICLE II
TERM OF AGREEMENT

This agreement shall become effective as of the in service date of the liquefaction facilities, shall continue in effect for a term of 20 years ("Primary Term") and shall remain in force from year-to-year thereafter unless terminated by either party pursuant to Section 12 of the General Terms and Conditions of Company's tariff.

ARTICLE III
RATE SCHEDULE AND ADJUSTMENTS

3.1 Customer shall pay for all services rendered hereunder and for the availability of such service under the Company's Rate Schedule LNG, as filed with the Federal Energy Regulatory Commission, and as the same may be hereafter revised or changed. The rate to be charged Customer for storage hereunder shall not be more than the maximum rate under Rate Schedule LNG, nor less than the minimum rate under Rate Schedule LNG.

3.2 Customer agrees that the Company shall have the unilateral right to file with the appropriate regulatory authority and make changes effective in (a) the rates and charges applicable to service pursuant to the Company's Rate Schedule LNG, (b) the Company's Rate Schedule LNG, pursuant to which service hereunder is rendered or (c) any provision of the General Terms and Conditions applicable to Rate Schedule LNG. The Company agrees that Customer may protest or contest the aforementioned filings, or may seek authorization from duly constituted regulatory authorities for such adjustment of the Company's existing FERC Gas Tariff as may be found necessary to assure that the provisions in (a), (b), or (c) above are just and reasonable.

ARTICLE IV
ADDRESSES

Except as herein otherwise provided, or as provided in the General Terms and Conditions of the Company's FERC Gas Tariff, any notice, request, demand, statement, bill or payment provided for in this Agreement, or any notice which any party may desire to give to the other, shall be in writing and shall be considered as duly delivered when mailed by registered, certified, or first class mail to the post office address of the parties hereto, as the case may be, as follows:



(a) the Company:
National Grid LNG LLC
40 Sylvan Road Waltham, MA 02451
Attn: Joseph P. Murphy

(b) Customer:
The Narragansett Electric Company d/b/a National Grid
100 East Old Country Road Hicksville, NY 11801
Attn: Samara Jaffe

or such other address as either party shall designate by formal written notice.

ARTICLE V
GENERAL TERMS AND CONDITIONS

This Agreement and all terms and provisions contained or incorporated herein are subject to the provisions of the Company's applicable rate schedules and of the Company's General Terms and Conditions on file with the Federal Energy Regulatory Commission, or other duly constituted authorities having jurisdiction, and as the same may be legally amended or superseded, which rate schedules and General Terms and Conditions are by this reference made a part hereof.

ARTICLE VI
INTERPRETATION

The interpretation and performance of this Agreement shall be in accordance with the laws of the state of Rhode Island, excluding conflicts of law principles that would require the application of the laws of a different jurisdiction.

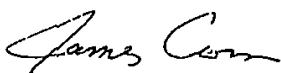
ARTICLE VII
AGREEMENTS BEING SUPERSEDED

When this Agreement becomes effective, it shall supersede (as of the date of commencement of service hereunder) the following agreements between parties hereto for the liquefaction of natural gas by the Company for Customer:

IN WITNESS WHEREOF, the parties hereto have caused this Agreement to be signed by their respective agents thereunto duly authorized, the day and year first above written.

National Grid LNG LLC

The Narragansett Electric Company
d/b/a National Grid



By: JAMES CROSS
Title: VICE PRESIDENT

By: John V. Vaughn
Title: Authorized Signatory

Amendment ID # 4966
(TO CONTRACT ID # 50PP) T000009119

nationalgrid

Joseph P. Murphy
Principal Account Manager, Commercial Services
FERC - Regulated Businesses

July 31, 2019

Samara Jaffe
The Narragansett Electric Company d/b/a National Grid
100 East Old Country Road
Hicksville NY 11801

Re: Discount Rate Letter Agreement to Firm Liquefaction Service Agreement between National Grid LNG LLC and The Narragansett Electric Company d/b/a National Grid, dated July 31, 2019

Dear Ms. Jaffe:

This Discount Rate Letter Agreement ("Discount Agreement") specifies additional terms and conditions applicable to the above referenced Firm Service Agreement ("Service Agreement") between National Grid LNG LLC ("Company") and The Narragansett Electric Company d/b/a National Grid ("Customer"). This Discount Agreement is subject to all applicable Federal Energy Regulatory Commission ("FERC") regulations. In the event the language of this Discount Agreement conflicts with the Service Agreement, the language of this Discount Agreement will control. In the event the language of this Discount Agreement conflicts with Company's FERC Gas Tariff currently in effect or any superseding tariff ("Tariff"), the language of the Tariff will control. All capitalized terms used and not otherwise defined herein have the meaning set forth in the Service Agreement or Company's Tariff.

The Company and Customer hereby agree to the following:

1. During the Primary Term, Customer shall pay the maximum rates set forth in Company's Rate Schedule LNG for Liquefaction Service except that the Reservation Charge shall be [REDACTED]
2. If, during the Primary Term, Company offers service under Rate Schedule LNG for Liquefaction Service to any customer at a rate lower than the rate paid by Customer, then Customer's rate shall be reduced to such lower rates.

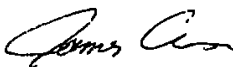
[REDACTED]

4. Customer will have a contractual right of first refusal ("ROFR") under the Service Agreement and Section 12 of the General Terms and Conditions of Company's Tariff if it does not qualify for the regulatory ROFR set forth in Section 13 of the General Terms and Conditions of Company's Tariff.

If Customer agrees with the additional terms specified herein, please so indicate by signing in the appropriate spaces provided below and returning to Company.

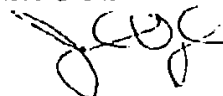
Executed and agreed to this 31st day of July 2019.

National Grid LNG LLC



By: JAMES CROSS
Title: VICE PRESIDENT

The Narragansett Electric Company d/b/a National Grid



By: John V. Vaughn
Title: Authorized Signatory



Contract ID # 4198

1000005499

PRECEDENT AGREEMENT

THIS PRECEDENT AGREEMENT ("Agreement") is entered into this 15th day of MAY, 2018 2015 (the "Effective Date") by and between Northeast Energy Center, LLC, a Delaware limited liability company herein referred to as "Supplier," and The Narragansett Electric Company d/b/a National Grid, a Rhode Island corporation, herein referred to as "Customer." In this Agreement, Supplier and Customer may be referred to individually as "Party" and collectively as "Parties."

WHEREAS, Supplier intends to develop, permit, construct, own and operate a natural gas liquefaction and storage facility in Worcester County, Massachusetts (the "Facility") that will be connected to the Tennessee Gas Pipeline, which will be certificated and operated pursuant to the regulations of the Federal Energy Regulatory Commission ("FERC");

WHEREAS, Customer desires that Supplier provide Customer liquefaction and related service at Supplier's Facility for the reservation quantities set forth in Attachment A;

WHEREAS, Supplier plans to initiate a binding open season ("Open Season") to offer firm liquefaction and related service from the Facility to evaluate the commitments that prospective customers are willing to make and thus determine both the feasibility and the engineering design and size of the Facility;

WHEREAS, the Open Season will establish the opportunity for bidders to qualify as Anchor Customers or Supporting Customers based upon conforming bid criteria as set forth in Attachment D; and

WHEREAS, the Parties agree that this Agreement shall be deemed a binding bid by Customer in the Open Season for Anchor Customer status pursuant to the terms of this Agreement and Customer's terms of service set forth in Attachments A and D hereto;



NOW, THEREFORE, in consideration of the understandings and mutual covenants set forth herein, and intending to be legally bound, Supplier and Customer agree as follows:

1. **Request for Service.** Customer has completed and submitted to Supplier a Request for Service for Firm Liquefaction and Delivery Service ("FLS") under Rate Schedule FLS, attached hereto as Attachment A, and agrees to be bound by the quantity, term, rates and charges and any supplemental terms set forth in Attachment A, which shall be incorporated in Customer's FLS Service Agreement ("Service Agreement").

2. **Customer Conditions Precedent.** Customer shall execute and deliver Customer's Service Agreement within ten (10) business days after the last of the Customer Conditions Precedent set forth in (a) and (b) below are completed or waived

- a. Customer receipt of all necessary approvals from its executive management and/or board of directors to execute the Service Agreement pursuant to the terms of this Agreement ("Customer Approvals") by April 1, 2015; and
- b. Customer receipt of all necessary regulatory authorizations, including any input, guidance and/or informal or formal approvals and orders or other authorizations or consents as determined to be acceptable by Customer in its sole discretion from the Rhode Island Division of Public Utilities and Carriers ("Regulator"), and any other federal, state or local authorities having jurisdiction (collectively, "Customer Regulatory Authorizations"), to proceed under this Agreement, the Service Agreement and any related agreements by January 1, 2016.

3. **Customer Termination Rights.**

- a. If Customer is unable to satisfy the conditions precedent specified in Section 2.a and does not waive the conditions by April 1, 2015, then Customer shall have the right, to be exercised by written notice no later than April 15, 2015 to terminate

this Agreement. If such notice is given by Customer, then the Parties shall negotiate in good faith for a period not to exceed thirty (30) days toward an amendment to this Agreement and any related agreements to accomplish the objectives of the Parties and to address any issues associated with the lack of satisfactory Customer Approvals, provided, however, that neither Party shall be required to consent to modifications of this Agreement or any related agreements. Unless within such period (a) the Parties otherwise mutually agree in writing to an amendment to this Agreement, (b) the Parties agree in writing to extend the 30-day period, or (c) Customer withdraws its previously submitted notice to terminate, this Agreement shall terminate. Any such agreement between Supplier and Customer to amend any agreement shall include as a condition the receipt by Customer of all necessary regulatory authorizations and approvals acceptable to Customer in its sole discretion. Supplier shall use commercially reasonable efforts to cooperate with Customer in its efforts to obtain any necessary approval or regulatory authorization. Any termination pursuant to this provision shall be without liability to Customer or Supplier.

- b. If Customer is unable to satisfy the conditions precedent specified in Section 2.b and does not waive the conditions by January 1, 2016, then Customer shall have the right, to be exercised by written notice no later than January 15, 2016 to terminate this Agreement. If such notice is given by Customer, then the Parties shall negotiate in good faith for a period not to exceed thirty (30) days toward an amendment to this Agreement and any related agreements to accomplish the objectives of the Parties and to address any issues associated with the lack of satisfactory Customer Regulatory Authorizations, provided, however, that neither Party shall be required to consent to modifications of this Agreement or any related agreements. Unless within such period (a) Customer decides to accept the Customer Regulatory Authorizations as issued, (b) the Parties otherwise mutually agree in writing to an amendment to this Agreement, (c) the

Parties agree in writing to extend the 30-day period, or (d) Customer withdraws its previously submitted notice to terminate, this Agreement shall terminate. Any such agreement between Supplier and Customer to amend any agreement shall include as a condition the receipt by Customer of all necessary regulatory authorizations and approvals acceptable to Customer in its sole discretion. Supplier shall use commercially reasonable efforts to cooperate with Customer in its efforts to obtain any necessary approval or regulatory authorization. Any termination pursuant to this provision shall be without liability to Customer or Supplier.

- c. If Supplier has not received and accepted its FERC Certificate of public convenience and necessity ("FERC Certificate") and started construction of the Facility by April 1, 2019, then Customer shall have the right, upon written notice to Supplier no later than April 1, 2019, to elect to terminate ("Customer Notice of Termination") this Agreement and, if executed, the Service Agreement; provided, however, that the Customer Notice of Termination shall be null and void if Supplier has started construction of the Facility on or before April 15, 2019. If such notice is given by Customer, then the Parties shall negotiate in good faith for a period not to exceed thirty (30) days toward an amendment of this Agreement and any related agreements to accomplish the objectives of the Parties and to address any delay in receipt of regulatory approvals and/or start of construction, provided, however, that neither Party shall be required to consent to modifications of this Agreement or any related agreements. Unless within such period (a) the Parties otherwise mutually agree in writing to an amendment to this Agreement, (b) the Parties agree in writing to extend the 30-day period, or (c) Customer withdraws its previously submitted Customer Notice of Termination, this Agreement shall terminate. Any termination pursuant to this provision shall be without liability to Customer or Supplier.

- d. If the Facility is not in service by July 1, 2022, then Customer shall have the right, upon written notice to Supplier no later than July 30, 2022, to terminate this Agreement and, if executed, the Service Agreement. Such termination shall be without liability to Customer or Supplier.

4. **Supplier Conditions Precedent.** Supplier shall execute and deliver Customer's Service Agreement within ten (10) business days after the last of the Supplier Conditions Precedent set forth in (a) through (e) below are completed or waived

- a. Supplier receipt of all necessary and final authorizations, consents, and approvals, including all necessary and final authorizations from federal, state, and local authorities having jurisdiction, including but not limited to those of the FERC, including the FERC Certificate, and of any state or federal court in which Supplier seeks to exercise eminent domain or otherwise obtain rights or access to land (collectively "Supplier Regulatory Authorizations") on terms and conditions acceptable to Supplier in its sole discretion to construct and operate the Facility;
- b. Supplier receipt of all necessary internal approvals to execute this Agreement and all other agreements contemplated herein ("Supplier Approvals");
- c. Determination that Supplier has a total of 16,500 Dth per day of total FLS commitments under binding Precedent Agreements in which all conditions precedent giving rise to a Customer termination right have either been satisfied or waived;
- d. Supplier's receipt of commitments for all financing necessary to construct the Facility in a form satisfactory to Supplier in its sole discretion: and

- e. Customer meets the Creditworthiness and Credit Support Requirements set forth in Section 10 at the time Supplier executes the Customer Service Agreement and at the time Customer is obligated to execute the Service Agreement.

5. Supplier Termination Rights.

- a. If Supplier is unable to satisfy the conditions precedent specified in Section 4.b and does not waive the conditions by July 31, 2015, then Supplier shall have the right, to be exercised by written notice no later than August 15, 2015 to terminate this Agreement. If such notice is given by Supplier, then the Parties shall negotiate in good faith for a period not to exceed thirty (30) days toward an amendment to this Agreement and any related agreements to accomplish the objectives of the Parties and to address any issues associated with the lack of satisfactory Supplier Approvals, provided, however, that neither Party shall be required to consent to modifications of this Agreement or any related agreements. Unless within such period (a) the Parties otherwise mutually agree in writing to an amendment to this Agreement, (b) the Parties agree in writing to extend the 30-day period, or (c) Supplier withdraws its previously submitted notice to terminate, this Agreement shall terminate. Any such agreement between Supplier and Customer to amend any agreement shall include as a condition the receipt by Customer of all necessary regulatory authorizations and approvals acceptable to Customer in its sole discretion. Supplier shall use commercially reasonable efforts to cooperate with Customer in its efforts to obtain any necessary approval or regulatory authorization. Any termination pursuant to this provision shall be without liability to Customer or Supplier.

- b. If Customer is unable to satisfy the conditions precedent specified in Section 2.a and Supplier does not waive the conditions by April 15, 2015, then Supplier shall have the right, to be exercised by written notice no later than April 30, 2015 to

terminate this Agreement. If such notice is given by Supplier, then the Parties shall negotiate in good faith for a period not to exceed thirty (30) days toward an amendment to this Agreement and any related agreements to accomplish the objectives of the Parties and to address any issues associated with the lack of satisfactory Customer Approvals, provided, however, that neither Party shall be required to consent to modifications of this Agreement or any related agreements. Unless within such period (a) the Parties otherwise mutually agree in writing to an amendment to this Agreement, (b) the Parties agree in writing to extend the 30-day period, or (c) Supplier withdraws its previously submitted notice to terminate, this Agreement shall terminate. Any such agreement between Supplier and Customer to amend any agreement shall include as a condition the receipt by Customer of all necessary regulatory authorizations and approvals acceptable to Customer in its sole discretion. Supplier shall use commercially reasonable efforts to cooperate with Customer in its efforts to obtain any necessary approval or regulatory authorization. Any termination pursuant to this provision shall be without liability to Customer or Supplier.

- c. If Customer does not provide notice to Supplier by January 15, 2016, that Customer has satisfied the conditions precedent specified in Section 2.b and Supplier does not waive the conditions, then Supplier shall have the right, to be exercised by written notice by January 31, 2016, to terminate this Agreement. If such notice is given by Supplier, then the Parties shall negotiate in good faith for a period not to exceed thirty (30) days toward an amendment to this Agreement and any related agreements to accomplish the objectives of the Parties and to address any issues associated with the lack of satisfactory Customer Regulatory Authorizations, provided, however, that neither Party shall be required to consent to modifications of this Agreement or any related agreements. Unless within such period (a) Customer elects to accept the Customer Regulatory Authorizations as then issued, (b) the Parties otherwise mutually agree in writing

to an amendment to this Agreement, (c) the Parties agree in writing to extend the 30-day period, or (d) Supplier withdraws its previously submitted notice to terminate, this Agreement shall terminate. Any such agreement between Supplier and Customer to amend any agreement shall include as a condition the receipt by Customer of all necessary regulatory authorizations and approvals acceptable to Customer in its sole discretion. Supplier shall use commercially reasonable efforts to cooperate with Customer in its efforts to obtain any necessary approval or regulatory authorization. Any termination pursuant to this provision shall be without liability to Customer or Supplier.

- d. If Supplier is unable to satisfy the conditions precedent specified in Section 4.a and Supplier does not waive the conditions, then Supplier shall have the right to terminate this Agreement and, if executed, the Service Agreement upon thirty (30) days' prior written notice to Customer; provided that any such notice must be provided within thirty (30) days of the event giving rise to the termination right. If such notice is given by Supplier, then the Parties shall negotiate in good faith for a period not to exceed thirty (30) days toward an amendment to this Agreement and any related agreements to accomplish the objectives of the Parties and to address any issues associated with the lack of satisfactory Supplier Regulatory Authorizations, provided, however, that neither Party shall be required to consent to modifications of this Agreement or any related agreements. Unless within such period (a) Supplier elects to accept the Supplier Regulatory Authorizations as then issued, (b) the Parties otherwise mutually agree in writing to an amendment to this Agreement, (c) the Parties agree in writing to extend the 30-day period, or (d) Supplier withdraws its previously submitted notice to terminate, this Agreement shall terminate. Any such agreement between Supplier and Customer to amend any agreement shall include as a condition the receipt by Customer of all necessary regulatory authorizations and approvals acceptable to Customer in its sole discretion.

Supplier shall use commercially reasonable efforts to cooperate with Customer in its efforts to obtain any necessary approval or regulatory authorization. Any termination pursuant to this provision shall be without liability to Customer or Supplier.

- e. If the conditions precedent specified in Section 4.c are not satisfied and Supplier does not waive the conditions, then Supplier shall have the right to be exercised by written notice no later than March 1, 2016, to terminate this Agreement. If such notice is given by Supplier, then the Parties shall negotiate in good faith for a period not to exceed thirty (30) days toward an amendment to this Agreement and any related agreements to accomplish the objectives of the Parties and to address any issues associated with insufficient commitments under rate schedule FLS, provided, however, that neither Party shall be required to consent to modifications of this Agreement or any related agreements. Unless within such period (a) the Parties otherwise mutually agree in writing to an amendment to this Agreement, (b) the Parties agree in writing to extend the 30-day period, or (c) Supplier withdraws its previously submitted notice to terminate, this Agreement shall terminate. Any such agreement between Supplier and Customer to amend any agreement shall include as a condition the receipt by Customer of all necessary regulatory authorizations and approvals acceptable to Customer in its sole discretion. Supplier shall use commercially reasonable efforts to cooperate with Customer in its efforts to obtain any necessary approval or regulatory authorization. Any termination pursuant to this provision shall be without liability to Customer or Supplier.

- f. If the Customer fails to satisfy the creditworthiness and credit support requirements set forth in Section 10, then Supplier shall have the right to terminate this Agreement and, if executed, the Service Agreement. In such event, Customer shall be liable for its pro-rata share of the Development Costs in

accordance with Section 9 and Supplier shall be afforded all rights and remedies in accordance with Section 11.

- g. If the conditions precedent specified in Section 4.d are not satisfied and Supplier does not waive the conditions, then Supplier shall have the right to be exercised by written notice no later than sixty (60) days following the issuance of the FERC Certificate for the Facility, to terminate this Agreement. If such notice is given by Supplier, then the Parties shall negotiate in good faith for a period not to exceed thirty (30) days toward an amendment to this Agreement and any related agreements to accomplish the objectives of the Parties and to address any issues associated with the lack of commitments for all financing necessary to construct the Facility, provided, however, that neither Party shall be required to consent to modifications of this Agreement or any related agreements. Unless within such period (a) the Parties otherwise mutually agree in writing to an amendment to this Agreement, (b) the Parties agree in writing to extend the 30-day period, or (c) Supplier withdraws its previously submitted notice to terminate, this Agreement shall terminate. Any such agreement between Supplier and Customer to amend any agreement shall include as a condition the receipt by Customer of all necessary regulatory authorizations and approvals acceptable to Customer in its sole discretion. Supplier shall use commercially reasonable efforts to cooperate with Customer in its efforts to obtain any necessary approval or regulatory authorization. Any termination pursuant to this provision shall be without liability to Customer or Supplier.
- h. If Supplier determines that, as a result of developments, circumstances, facts or events arising or becoming known to Supplier after the Effective Date there has occurred a change that, in Supplier's reasonable opinion, is materially adverse to the expected economics of the Facility, then Supplier shall have the right to be exercised by written notice to Customer at any time prior to the date on which

Supplier accepts the FERC Certificate for the Facility, to terminate this Agreement. If such notice is given by Supplier, then the Parties shall negotiate in good faith for a period not to exceed thirty (30) days toward an amendment to this Agreement and any related agreements to accomplish the objectives of the Parties, provided, however, that neither Party shall be required to consent to modifications of this Agreement or any related agreements. Unless within such period (a) the Parties otherwise mutually agree in writing to an amendment to this Agreement or (b) the Parties agree in writing to extend the 30-day period, or (c) Supplier withdraws its previously submitted notice to terminate, this Agreement shall terminate. Any such agreement between Supplier and Customer to amend any agreement shall include as a condition the receipt by Customer of all necessary regulatory authorizations and approvals acceptable to Customer in its sole discretion. Supplier shall use commercially reasonable efforts to cooperate with Customer in its efforts to obtain any necessary approval or regulatory authorization. Any termination pursuant to this provision shall be without liability to Customer or Supplier.

6. Term.

- a. This Agreement shall become effective as of the Effective Date and shall continue in effect, notwithstanding the intervening execution of the Service Agreement, until such time as the commencement of service, unless terminated pursuant to Sections 3, 5, 10, or 11.
- b. Notwithstanding Section 6(a), Sections 9, 10, and 12 shall survive the expiration or early termination of this Agreement until fulfillment or satisfaction of their terms.

- 7. Supplier Regulatory Authorizations.** Supplier shall proceed with due diligence to obtain all Supplier Regulatory Authorizations. All decisions relating to the process of obtaining the Supplier Regulatory Authorizations shall be made by Supplier in its sole discretion,

including decisions to file, prosecute, amend, supplement, or withdraw any application for the Supplier Regulatory Authorizations, accept or reject any Supplier Regulatory Authorizations, or seek court review thereof. Customer shall support and cooperate with the efforts of Supplier to obtain the Supplier Regulatory Authorizations, including filing interventions in support and providing any information reasonably requested by Supplier related to obtaining such Supplier Regulatory Authorizations. Supplier agrees, subject to the terms and conditions of this Agreement, to seek FERC approval for and construct the Facility to render firm liquefaction, storage and liquid delivery service for Customer pursuant to the terms and conditions of the Service Agreement, which shall be substantially in the form attached hereto as Attachment B, and the Operational Terms and Conditions of Service, attached hereto as Attachment C respectively. It is understood by the Parties that Supplier shall file with FERC for approval a *pro forma* FERC Gas Tariff that shall (a) be materially consistent with the Operational Terms and Conditions of Service; (b) include customary terms and conditions applicable to a FERC Gas Tariff; and (c) be consistent with then-applicable FERC rules and regulations.

8. **Customer Regulatory Authorizations.** Customer shall proceed with due diligence to obtain all Customer Regulatory Authorizations required to proceed under this Agreement, the Service Agreement, and any related agreements. All decisions relating to the process of obtaining the Customer Regulatory Authorizations shall be made by Customer in its sole discretion, including decisions to file, prosecute, amend, supplement, or withdraw any application for the Customer Regulatory Authorizations, accept or reject any Customer Regulatory Authorization, or seek court review thereof. Supplier shall support and cooperate with the efforts of Customer to obtain the Customer Regulatory Authorizations, including filing interventions in support and providing any information reasonably requested by Customer related to obtaining such Customer Regulatory Authorizations.

9. **Development Costs.** Customer acknowledges that Supplier has made and will continue to make advance expenditures in connection with satisfying the conditions precedent, including, but not limited to, seeking Supplier Regulatory Approvals, site acquisition, obtaining long lead time materials and the services of engineering and environmental consultants. In consideration of these efforts to provide the liquefaction and related service requested by Customer, if Customer breaches this Precedent Agreement, Customer shall reimburse Supplier for its pro rata share of the total of such advance expenditures based on Customer's percentage of the total liquefaction capacity sought in the Regulatory Approvals; any such reimbursement payment will be due from Customer to Supplier within 10 days of delivery of Supplier's invoice to Customer.

10. **Creditworthiness & Credit Support.** Execution of this Agreement is contingent upon a satisfactory credit evaluation by Supplier of Customer. On a non-discriminatory basis, Supplier shall apply consistent financial standards to determine the acceptability of Customer's creditworthiness. Notwithstanding the foregoing, Customer shall be deemed creditworthy if: (i) Customer's Corporate Credit Rating is at least BBB- with a stable outlook or higher by Standard & Poor's Corporation and at least Baa3 with a stable outlook or higher by Moody's Investor Service; and (ii) the sum of reservation fees for the contract term is less than 15% of Customer's or its guarantor's, as applicable, tangible net worth.

If Customer has failed to satisfy the creditworthiness criteria above, Customer may nevertheless obtain credit approval from Supplier by providing one of the following in an amount, at all times, equal to (i) the total of the Reservation Charges charged to Customer pursuant to this Agreement under rate schedule FLS times (ii) the Maximum Contract Quantity(ies) times (iii) thirty-six (36) months; provided, however, that once the remaining term of the Customer's Service Agreement is less than thirty-six (36) months, such amount shall be reduced such that the credit support amount equals the total of the Reservation Charges times the Maximum Contract Quantity(ies) times the

remaining months of service under the Service Agreement, but at no time shall the amount be less than three (3) months of Reservation Charges:

- a) an advance deposit;
- b) a standby irrevocable letter of credit; or
- c) a guaranty, in a form reasonably acceptable to Supplier, by another person or entity that Supplier has made a determination is sufficiently creditworthy.

Customer shall also promptly provide such additional Customer credit information as may be reasonably required by Supplier at any time during the term of service under a Service Agreement to enable Supplier to determine Customer's creditworthiness including, but not limited to:

- a. Written confirmation that Customer is not operating under any chapter of the bankruptcy laws and is not subject to liquidation or debt reduction procedures, such as an assignment for the benefit of creditors, under any informal creditors' committee agreement or under state laws, provided that an exception may be made for a Customer who is a debtor in possession operating under Chapter 11 of the Federal Bankruptcy Act but only with adequate assurance that the service billing will be paid promptly as a cost of administration under the federal bankruptcy court's jurisdiction;
- b. Written confirmation that no significant collection lawsuits or judgments are outstanding which would materially affect Customer's ability to remain solvent as an ongoing business entity; and
- c. Written confirmation that Customer is not aware of any change in business conditions which would cause a substantial deterioration in its financial condition, a condition of insolvency, or the inability to exist as an ongoing business entity.

Upon notification by Supplier that Customer during the term of the Service Agreement no longer satisfies the credit criteria, Supplier has the right to require security as specified herein and, if satisfactory security is not tendered within three (3) business days, then Supplier, in addition to any other remedy available to it, shall have the right upon two (2) business days advance notice to suspend service until such security is tendered. If Customer's failure to tender satisfactory security continues for 60 days after the original due date, then Supplier, in addition to any other remedy available to it, shall have the right upon five (5) days advance notice to terminate Customer's Service Agreement(s).

Customer shall satisfy the credit assurance provisions as of the Effective Date of this Agreement, and shall have a continuing obligation to satisfy the credit assurance provisions of this Agreement throughout the term of this Agreement, and such provisions of the Service Agreement and any other related agreements as may be in effect from time to time.

11. **Breach and Remedies.** Nothing in this Agreement shall be construed to preclude the Parties from pursuing any remedy at law or equity for the other Party's breach of this Agreement; provided however that neither Party shall be liable for consequential, incidental, punitive, exemplary, or indirect damages, by statute, in tort or contract or otherwise; provided further that the foregoing shall not preclude Supplier from pursuing any remedy to recover Reservation Charges under the Service Agreement.

12. **Confidentiality.** Each Party shall hold the substance and terms of this Agreement confidential, but may disclose the substance and terms of this Agreement to its or its affiliates' directors, officers, employees, representatives, agents, lenders, consultants, attorneys or auditors ("Representatives") who have a need to know the substance and terms of this Agreement and who are subject to a confidentiality obligation covering the disclosed information. Neither Party shall disclose or communicate, and will cause its

Representatives not to disclose or communicate, the substance or terms of this Agreement to any other person, entity, firm, or corporation without the prior written consent of the other Party; provided that Supplier may disclose the Agreement in any applications for Supplier Regulatory Authorizations and that Customer may disclose the terms of the Agreement, the Service Agreement and any related agreements in any efforts or proceedings relating to obtaining Customer Approvals and Customer Regulatory Authorizations. Either Party may disclose the substance or terms of this Agreement as requested or required by law, order, rule or regulation of any duly constituted governmental body or official authority having jurisdiction; provided however, the Party compelled to disclose the Agreement shall give prompt written notice of such requirement to the other Party so that either Party may seek a protective order or other appropriate remedy and/or waive the compliance with the terms hereof.

13. Assignment. Any company which shall succeed by purchase, merger, consolidation or otherwise to the properties substantially as an entirety, of Supplier or of Customer shall be entitled to the rights and shall be subject to the obligations of its predecessors in title under this Agreement. Supplier shall have the right to assign this Agreement and the rights and obligations hereunder to any affiliate that is creditworthy as of the effective date of the assignment; in the event of any such assignment, such assignee shall, in writing, assume, and be bound by, all the rights and obligations of Supplier hereunder and Supplier shall be released from all obligations and liabilities hereunder. Customer shall have the right to assign this Agreement and the rights and obligations hereunder to any affiliate that meets the Creditworthiness provisions of Section 10 as of the effective date of the assignment; in the event of any such assignment, such assignee affiliate shall, in writing, assume, and be bound by, all the rights and obligations of Customer hereunder and Customer shall be released from all obligations and liabilities hereunder. No other assignment of this Agreement, or of any of the rights or obligations hereunder, shall be made unless there first shall have been obtained the consent thereto of Supplier, in the event of any assignment by Customer, or the consent thereto of

Customer, in the event of an assignment by Supplier. These restrictions on assignment shall not in any way prevent any Party from pledging or mortgaging its rights under this Agreement as security for its indebtedness.

- 14. Notice.** Notices to either Party shall be in writing, transmitted by personal delivery, by registered or certified United States mail, by overnight courier service, by facsimile, or by email to the Parties at the addresses shown below or such other address as either Party may designate by proper notice to the other Party. If transmitted by email or facsimile before 5:00 p.m. Eastern Clock Time on a business day and telephonically confirmed, notice shall be deemed to have been given or made on the business day on which so transmitted, or if not before such deadline, on the next business day, and if sent by overnight courier and delivery is confirmed, or, if mailed by registered or certified mail, return receipt requested, notice shall be deemed to have been given or made on the day on which delivered:

If to Supplier:

Northeast Energy Center, LLC
C/O Liberty Utilities
Attention: Chris Thompson, VP Project Development
354 Davis Road, Oakville, Ontario L6J 2X1
Telephone: 905-465-6111
Facsimile: 905-465-4514
E-mail: Chris.Thompson@libertyutilities.com
Michael.Petit@libertyutilities.com

With a copy to:

Northstar Industries
Attention: Tom Quine, President
126 Merrimack Street
Methuen, MA 01844
Telephone: 978-975-5500
Facsimile: 978-975-9975
Email: tquine@northstarind.com

If to Customer:

The Narragansett Electric Company d/b/a National Grid
Attention: Samara Jaffe
100 E. Old Country Rd.
Hicksville, NY 11801
Telephone: 516-545-5408
Facsimile: 516-545-5468
E-mail: Samara.jaffe@nationalgrid.com

15. **Governing Law.** This Agreement shall be governed by the laws of the State of New York.
16. **Applicable Law.** This Agreement and the rights and obligations of the Parties hereunder are subject to all applicable laws, regulations, rules and orders of all governmental and regulatory bodies having jurisdiction.
17. **Waiver.** A waiver by a Party of any one or more defaults hereunder shall not operate as a waiver of any future default, whether of a like or a different character.
18. **Amendment.** No modification to the terms and provisions of this Agreement or any Service Agreement executed by Supplier and Customer pursuant hereto shall become effective except by an amendment executed in writing by both Supplier and Customer.
19. **Whole Agreement.** This Agreement sets forth all understandings and agreements of the Parties and supersedes all other prior agreements, whether oral or written, respecting the subject matter hereof. In the event of any conflict between the terms of this Agreement and the Service Agreement, the terms of the Service Agreement shall control.
20. **Counterparts.** This Agreement may be executed by the parties in any number of counterparts, each of which shall be deemed an original instrument, but all of which together shall constitute but one and the same agreement.

21. Severability. Any provision of this Agreement declared or rendered unlawful or unenforceable by any applicable court of law or regulatory agency or deemed unlawful because of a statutory change will not otherwise affect the remaining lawful obligations that arise under this Agreement or Customer's Service Agreement; provided that in such event, the Parties shall use commercially reasonable efforts to reform this Agreement in order to give effect to the original intention of the Parties.

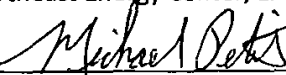
22. Representations and Warranties. On the Effective Date and on the effective date of Customer's Service Agreement, each Party represents and warrants to the other Party that:

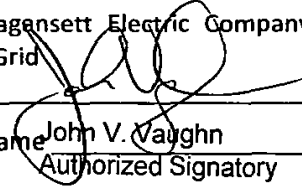
- a. such Party is duly organized, validly existing and in good standing under the laws of the jurisdiction of its formation and is in good standing in each other jurisdiction where the failure to so qualify would have a material adverse effect upon the business or financial condition of such Party or the ability to perform its obligations under this Agreement and Customer's Service Agreement;
- b. with the exception of the governmental authorizations described in Sections 2.b and 4.a, such Party has all governmental authorizations necessary for such Party to legally execute, deliver and perform its obligations under this Agreement and Customer's Service Agreement;
- c. the execution, delivery and performance of this Agreement and of Customer's Service Agreement are within such Party's corporate powers, have been duly authorized by all necessary corporate action and do not violate any of the terms and conditions in such Party's governing corporate documents, any contracts to which such Party is a party, or subject to receipt of the governmental authorizations described in Sections 2.b and 4.a, any law, rule, regulation, order or the like applicable to such Party;

- d. subject to receipt of the governmental authorizations described in Sections 2.b and 4.a, this Agreement and Customer's Service Agreement constitute the legally valid and binding obligation of such Party enforceable against it in accordance with such agreement's terms; except as such enforceability may be limited by applicable bankruptcy, insolvency, moratorium, reorganization or other similar laws affecting the enforcement of creditors' rights and subject to general equitable principles;

- e. such Party is not operating under any chapter of the bankruptcy laws and is not subject to liquidation or debt reduction procedures, such as an assignment for the benefit of creditors, under any informal creditors' committee agreement or under state laws, and there are no such proceedings pending or being contemplated by such Party or, to its knowledge, threatened against it which would result in it operating under any chapter of the bankruptcy laws or similar laws in other jurisdictions or subject to such liquidation or debt reduction procedures under state laws; and

- f. there are not pending or, to such Party's knowledge, threatened against it or any of its affiliates any legal proceedings that could materially adversely affect such Party's ability to perform its obligations under this Agreement and Customer's Service Agreement or materially and adversely affect the financial condition or operations of such Party or that purports to affect the legality, validity or enforceability of this Agreement or Customer's Service Agreement or would otherwise hinder or prevent performance hereunder or thereunder.

Northeast Energy Center, LLC
 By 
 Printed Name Michael PETIT
 Title DEVELOPMENT MANAGER
 MAY 15, 2015

The Narragansett Electric Company d/b/a
 National Grid
 By 
 Printed Name John V. Vaughn
 Title Authorized Signatory

M. Petit

Attachment A

REQUEST FOR SERVICE UNDER RATE SCHEDULE FLS / ILS

Northeast Energy Center, LLC
Service Request Form

Send to: Northeast Energy Center, LLC
C/O Liberty Utilities
Attention: VP Project Development
354 Davis Road, Oakville, Ontario L6J 2X1
Telephone: 905 465 6111
Facsimile: 905-465-4514
E-mail: Chris.Thompson@libertyutilities.com
Michael.Petit@libertyutilities.com

With a copy to:

Northstar Industries
Attention: Tom Quine, President
126 Merrimack Street
Methuen, MA 01844
Telephone: 978-975-5500
Facsimile: 978-975-9975
Email: tquine@northstarind.com

Date of Request: _____

1. Customer Name and Address (Party which will execute the Service Agreement)

The Narragansett Electric Company d/b/a National Grid
100 E. Old Country Rd.
Hicksville, NY 11801

Attn: ___ Samara Jaffe _____ Telephone: ___ 516 545 5408 _____

Address for Statements & Invoices (if different)

Attn: _____ Telephone: _____

2. Is Customer affiliated with Supplier? Yes _____ No X

If yes, affiliation and percentage of ownership between Customer and Supplier _____

3. Customer is a(n): (Check One)

- X Local Distribution Company
- _____ Intrastate Pipeline Company
- _____ Interstate Pipeline Company
- _____ Other (Please describe) _____
- _____ Producer
- _____ End-user
- _____ Marketer/Broker

4. This request is for (Check One)

- X Firm Liquefaction and Delivery Service Rate Schedule FLS
- _____ Interruptible Liquefaction and Delivery Service Rate Schedule ILS

5. Liquefaction and Delivery Service

Requested Maximum Liquefaction Quantity (MDLQ) 1,780 dekatherms per day

Summer Season (April 1 – October 31):

- Requested Maximum Storage Quantity (MSQ) 8,900 dekatherms
- Requested Maximum Truck Loading Quantity (MDTQ) 2 trucks per day

Winter Season (November 1 – March 31):

- Requested Maximum Storage Quantity (MSQ) 5,340 dekatherms
- Requested Maximum Truck Loading Quantity (MDTQ) 1 trucks per day




6. Term of Service: 15 years

Requested Commencement Date _____

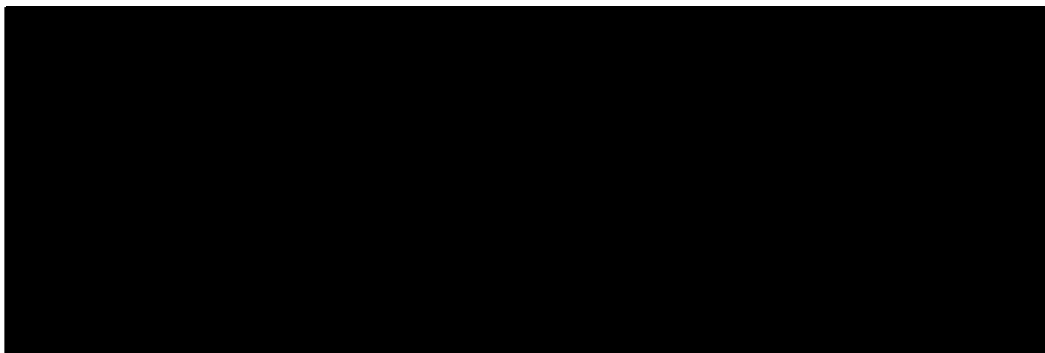
Requested Termination Date _____

7. Rate Information (Customer will agree to pay rates below for service requested)

Firm Liquefaction and Delivery Service

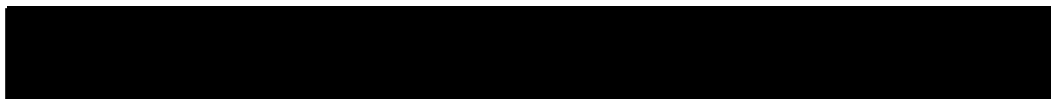
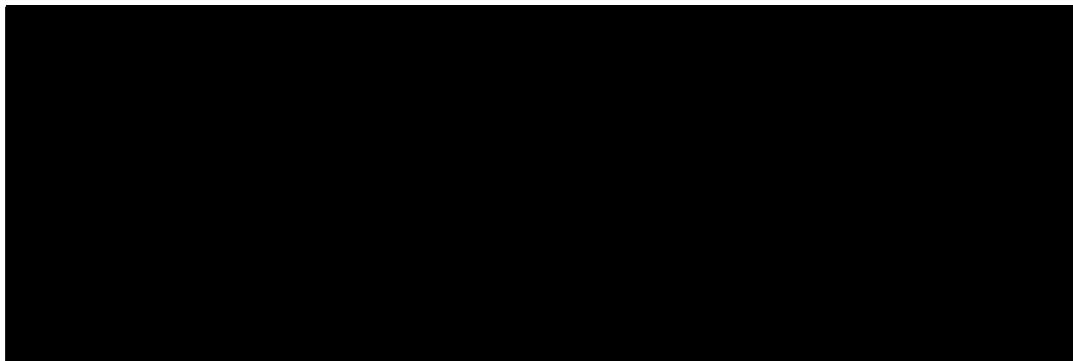
Liquefaction Capacity Reservation Charge \$  per dth-day 1/
Truck Loading Charge* \$  per dth
Liquefaction Usage Charge* \$  per dth

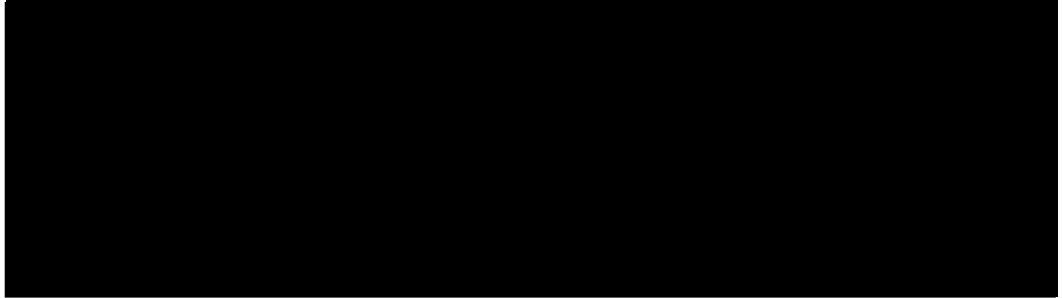
Other Rate Terms



*Authorized Overruns – see Attachment D.

Fuel Retainage:





Subject to adjustment for any increase or decrease in (i) surcharges prescribed by the
FERC, (ii) any applicable approved tariff calculated lost and unaccounted for gas, (iii) any
state or local taxes imposed on the operation or inventories of the Facility, and (iv) any
material change in federal, state or local taxation, Customer shall not be liable for any
rates or charges for firm service other than as shown above.

8. Customer Status

- a. Anchor Customer
- b. Supporting Customer
- c. Other

Attachment B

SERVICE AGREEMENT
(Applicable to Service Under Rate Schedule FLS)

This Agreement, is made and entered into this ____ day of _____, ____ by and between Northeast Energy Center, LLC a Delaware limited liability company (hereinafter referred to as "Company") and The Narragansett Electric Company d/b/a National Grid, a Rhode Island company (hereinafter referred to as "Customer").

WHEREAS, Company owns and operates a natural gas liquefaction and storage facility located in Massachusetts (the "Facility");

WHEREAS, Customer desires that Company provide Customer with natural gas liquefaction, storage and delivery service at Company's Facility;

NOW THEREFORE, in consideration of the premises and mutual covenants contained herein, Company and Customer agree as follows:

ARTICLE I
SERVICE TO BE PROVIDED

Subject to the terms and provisions of this Agreement, Rate Schedule FLS and the General Terms and Conditions of Company's FERC Gas Tariff, as each may be amended from time to time, Company shall, on a firm basis, receive, liquefy, store and deliver Gas for Customer for Customer's account as follows:

Customer agrees to deliver to Company and Company agrees to accept, liquefy and store for Customer, such quantities of Gas as may be requested by Customer up to the maximum daily liquefaction quantity (MDLQ) and maximum storage quantity (MSQ) set forth on Appendix B.

Company agrees to deliver to Customer and Customer agrees to receive from Company such quantities of Gas as may be requested by Customer up to the maximum daily truck quantity (MDTQ) set forth on Appendix B.

ARTICLE II
EFFECTIVE DATE AND TERM OF AGREEMENT

This Agreement shall become effective as of the date first written above and shall remain in effect for a term of fifteen (15) years, commencing on April 1, 2019 or such later date when Company shall notify Customer that those facilities required to provide service pursuant to Rate Schedule FLS are completed and in service ("Primary Term"), and, subject to any contract extension rights granted to Customer in Appendix B attached hereto, year-to-year

thereafter until terminated by either party by giving at least twelve (12) months prior written notice.

**ARTICLE III
RATE**

Customer shall pay Company for service rendered hereunder in accordance with Rate Schedule FLS and as specified in Appendix A to this Agreement.

**ARTICLE IV
POINTS OF RECEIPT AND DELIVERY**

The Points of Receipt and Delivery for all Gas Tendered and Delivered pursuant to this Agreement shall be as set forth on Appendix B.

**ARTICLE V
NOTICE**

Unless otherwise provided in the General Terms and Conditions of Company's FERC Gas Tariff, notices to either party shall be in writing and shall be considered as duly delivered when mailed by registered, certified, or first class mail to the address of the parties hereto, as follows:

If to Company: Northeast Energy Center, LLC
C/O Liberty Utilities
Attention: VP Project Development
354 Davis Road, Oakville, Ontario L6J 2X1
Telephone: 905 465 6111
Facsimile: 905-465-4514
E-mail: Chris.Thompson@libertyutilities.com
Michael.Petit@libertyutilities.com

With a copy to:

Northstar Industries
Attention: Tom Quine, President
126 Merrimack Street
Methuen, MA 01844
Telephone: 978-975-5500
Facsimile: 978-975-9975
Email: tquine@northstarind.com

If to Customer: The Narragansett Electric Company d/b/a National Grid
Attention: Samara Jaffe
100 E. Old Country Rd.
Hicksville, NY 11801
Telephone: 516 545 5408
Facsimile: 516 545 5468
E-mail: Samara.Jaffe@nationalgrid.com

or such other address as either party shall designate by written notice to the other party.

**ARTICLE VI
RATE SCHEDULES AND GENERAL TERMS AND CONDITIONS**

This Agreement is subject to the terms of Rate Schedule FLS and the General Terms and Conditions of Company's FERC Gas Tariff, including any amendments to the same as may be filed and made effective by Company from time to time, which Rate Schedules and General Terms and Conditions are by this reference made a part hereof.

**ARTICLE VII
AGENCY ARRANGEMENTS**

Customer shall have the right to designate an agent or person to provide nomination and scheduling information, to receive invoices and make payments, and to take actions necessary to release capacity for Customer on Customer's behalf subject to the General Terms and Conditions of Company's FERC Gas Tariff.

**ARTICLE VIII
INTERPRETATION**

The interpretation and performance of this Agreement shall be in accordance with the laws of New York, excluding conflicts of law principles that would require the application of the laws of a different jurisdiction.

**ARTICLE IX
PRIOR CONTRACTS**

When this Agreement becomes effective, it shall supersede (as of the date of commencement of service hereunder) the following agreements between Company and Customer: _____N/A_____, _____

**ARTICLE X
MISCELLANEOUS**

10.1 No waiver by either party of any one or more defaults by the other in the

performance of any provisions of this Agreement shall operate or be construed as a waiver of any future default or defaults, whether of a like or different character.

10.2 No presumption shall operate in favor of or against either party hereto as a result of any responsibility either party may have had for drafting this Agreement.

10.3 Capitalized terms used herein, to the extent not otherwise defined, shall have the meanings attributed to them in Company’s approved FERC Gas Tariff.

10.4 This Agreement may be executed in multiple counterparts, each of which shall be deemed an original, but all of which shall constitute one and the same agreement.

IN WITNESS WHEREOF, the parties hereto have caused this Agreement to be signed by their respective agents thereunto duly authorized, the day and year first above written.

Northeast Energy Center, LLC:

Customer:

By: _____

By: _____

Title: _____

Title: _____

APPENDIX A

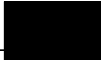
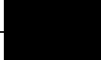

To

Rate Schedule FLS Service Agreement between
Northeast Energy Center, LLC (Company)
and

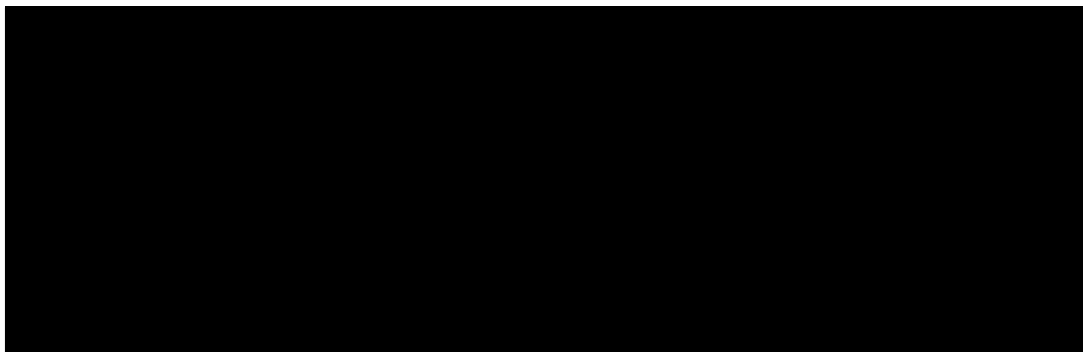
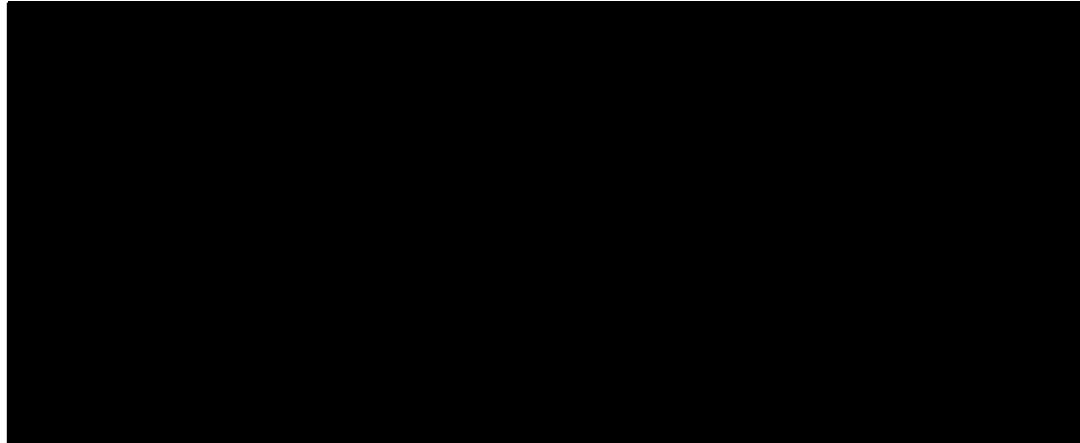
The Narragansett Electric Company d/b/a National Grid (Customer)

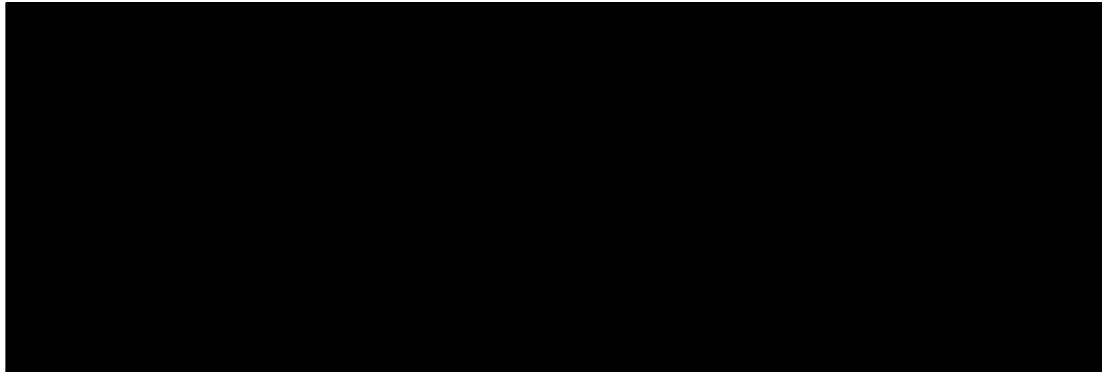
Rates (calculated in accordance with the Statement of Rates and Rate Schedule FLS in
Company's FERC Gas Tariff)

Liquefaction and Delivery Service

Liquefaction Capacity Reservation Charge	\$		per dth-day
Truck Loading Charge*	\$		per dth
Liquefaction Usage Charge*	\$		per dth

Other Rate-Related Terms (if applicable):





Subject to adjustment for any increase or decrease in (i) surcharges prescribed by the FERC, (ii) any applicable approved tariff calculated lost and unaccounted for gas, (iii) any state or local taxes imposed on the operation or inventories of the Facility, and (iv) any material change in federal, state or local taxation, Customer shall not be liable for any rates or charges for firm service other than as shown above.

Company:

By: _____
Title: _____
Date: _____

Customer:

By: _____
Title: _____
Date: _____

APPENDIX B

To

To Rate Schedule FLS Service Agreement between
Northeast Energy Center, LLC (Company)
and

The Narragansett Electric Company d/b/a National Grid (Customer)

Quantity:

Maximum Daily Liquefaction Quantity (MDLQ) 1,780 Dth/d

Summer Season (April 1 – October 31):

Requested Maximum Storage Quantity (MSQ) 8,900 Dth

Maximum Daily Truck Quantity (MDTQ) 2 trucks per day

Winter Season (November 1 – March 31):

Requested Maximum Storage Quantity (MSQ) 5,340 Dth

Maximum Daily Truck Quantity (MDTQ) 1 trucks per day

Point(s) of Receipt and Delivery:

Primary Point of Receipt:

Facility / Tennessee Gas Pipeline Company, L.L.C. (equal to Customer's MDLQ)
Interconnection

Primary Point of Delivery:

Flange outlet of Facility (equal to Customer's MDTQ)
Truck Loading Dock

Other Terms and Conditions:

Customer X does/ does not have a ROFR pursuant to the GT&C of Company's FERC Gas
Tariff. Service pursuant to this Appendix B shall commence as of _____.

Company:

Customer:

By: _____

By: _____

Title: _____

Title: _____

Date: _____

Date: _____

Attachment C – Selected Operational Terms and Conditions of Service

Supplier reserves the right to reject requests for liquefaction if service nominations, in aggregate from all customers, are insufficient to meet the minimum operating levels of the Facility. This minimum threshold is defined as 7,000 dth/day.

April 1 - October 31:

Supplier would provide liquefaction services up to Customers MDLQ. Supplier would provide a negotiated maximum of five (5) days of on-site storage for the MDLQ (MDLQ times 5) and two (2) truck loading slots per day.

November 1 – March 31:

Supplier would provide liquefaction services up to Customers MDLQ. Supplier would provide a negotiated maximum of three (3) days of on-site storage for the MDLQ (MDLQ times 3) and one (1) truck loading slot per day.

Fuel Retainage shall be assessed to Customer by Supplier in accordance with the provisions of Appendix A.

Supplier reserves the right to reject trucks that are not compatible with the Facility or present unacceptable risks to the site or Facility.

Supplier will undertake commercially reasonable efforts to schedule routine maintenance during the period November 1 to March 31 of each year.

In the event that Supplier is unable by reason of force majeure or operational conditions (which shall include scheduled and unscheduled maintenance) to carry out its obligations for service, the obligation to provide service will be suspended to the extent affected by the force majeure or operational condition; provided however Supplier shall use all reasonable dispatch to remedy, and avoid adverse impact of, any such event on Customer. Supplier will not provide reservation charge credits for such events. Notwithstanding the foregoing, should the duration of a single such event exceed ninety (90) days, Customer shall not be liable for Reservation Charges for the period from the ninety first (91st) day through the date Supplier resumes service under this Agreement following the conclusion of that particular force majeure or operational condition event. It is understood by the parties that rejection of a nomination for failure to meet the minimum nomination threshold of 7,000 dth/day discussed herein shall not release Customer from liability for Reservation Charges.

During cold-starts, Supplier will require ramp-up time to reach Customer's full MDLQ, in which case Customer agrees to provide such applicable quantities of gas to Company at the Tennessee Gas Pipeline Company, LLC interconnect. Customer acknowledges that quantities delivered on a cold-start day may not achieve Customer's MDLQ.

If the pressures on the facilities of Tennessee Gas Pipeline Company, L.L.C. at the interconnection with Facility fall below 400 PSIG, Supplier may not be able to achieve Customer's full MDLQ. Customer acknowledges that Supplier has no control over the pressures of TGP. Unless waived by Supplier, Customer gas tendered to Company at the Tennessee Gas Pipeline Company, L.L.C. interconnect must meet the gas quality specifications in the Tennessee Gas Pipeline Company, L.L.C. FERC Gas Tariff.

To the extent the Supplier is unable to provide Customer with its full MDLQ, Supplier shall pro-rate capacity among all firm customers pursuant to its FERC Gas Tariff.

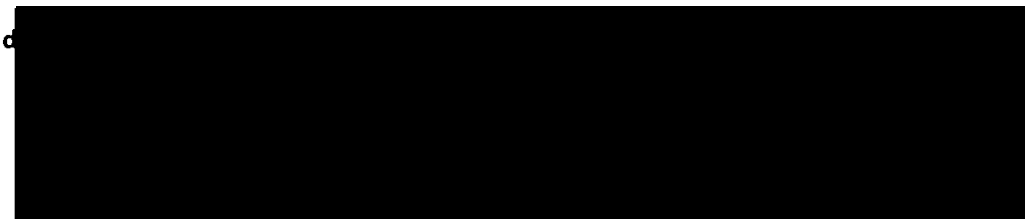
Attachment D – Anchor and Supporting Customer Qualification and Rights

1. **Anchor Customer Qualification and Rights.**

- a. **Minimum Bid.** Bidders will be deemed Anchor Customers by submitting a conforming bid during the Open Season agreeing to a minimum quantity of 5,000 MDLQ (together with such commitments to the project that are made by such Customer’s affiliates) for a minimum initial service term of fifteen (15) years. For purposes of determining Customer’s status as an Anchor Customer, Supplier will consider the Customer and its affiliates as a single entity and will aggregate the Customer’s commitments under it and its affiliates’ Precedent Agreements.

- b. **Proration of Capacity.** The Parties agree that the Precedent Agreement shall be deemed to be a binding bid in the Supplier Open Season. The Open Season shall provide that, as an Anchor Customer, Customer’s Capacity Reservation volumes may not be reduced by proration if the capacity offered in the Open Season is oversubscribed, unless such proration is ordered by FERC to accommodate the bids of other Anchor Customers.

- c. **Most Favored Nation Right.** The Parties Agree that the Service Agreement will be subject to a Most Favored Nations clause providing that in no event shall Customer’s reservation rate(s) (as adjusted) be greater than any other rate(s) paid by any other Customer executing a Service Agreement with a term of seven (7) years or greater.



- e. **Right of First Refusal ("ROFR").** The Parties agree that the Service Agreement shall include a ROFR pursuant to Supplier's FERC Gas Tariff and that the Service Agreement shall continue to have a ROFR through the initial term and any extensions thereof.

2. **Supporting Customer Status and Rights.**

- a. **Minimum Bid.** Bidders will be deemed Supporting Customers by submitting a conforming bid during the Open Season agreeing to a minimum quantity of 1000 MDLQ (together with such commitments to the project that are made by such Customer's affiliates) for a minimum initial service term of fifteen (15) years. For purposes of determining Customer's status as a Supporting Customer, Supplier will consider the Customer and its affiliates as a single entity and will aggregate the Customer's commitments under it and its affiliates' Precedent Agreements.
- b. **Proration of Capacity.** The Parties agree that the Precedent Agreement shall be deemed to be a binding bid in the Supplier Open Season. The Open Season shall provide that, as a Supporting Customer, Customer's Capacity Reservation volumes may not be reduced by proration if the capacity offered in the Open Season is oversubscribed, unless such proration is necessary to accommodate the bids of Anchor Customers or unless such proration is ordered by FERC to accommodate the bids of other Supporting Customers.
- c. **Most Favored Nation Right.** The Parties Agree that the Service Agreement will be subject to a Most Favored Nations clause providing that in no event shall Customer's reservation rate(s) (as adjusted) be greater than any other rate(s) paid by any other Customer executing a Service Agreement with a term of seven (7) years or greater, except for an Anchor Customer.

- d. **Authorized Overrun Rights.** Customer has the right to utilize liquefaction capacity above its MDLQ by paying \$2.00 per MMBtu plus all applicable variable costs including fuel. Overrun rights would have priority over interruptible services but not over other firm quantities.
- e. **Right of First Refusal ("ROFR").** The Parties agree that the Service Agreement shall include a ROFR pursuant to Supplier's FERC Gas Tariff and that the Service Agreement shall continue to have a ROFR through the initial term and any extensions thereof.

Amendment ID # 3562 1000006049
(TO CONTRACT ID # 4198)

**AMENDMENT TO
PRECEDENT AGREEMENT**

This amendment ("Amendment"), dated as of July 29th, 2015, is made to that certain Precedent Agreement entered into by and between Northeast Energy Center, LLC ("Supplier") and The Narragansett Electric Company d/b/a National Grid ("Customer"), dated May 15, 2015 (the "Agreement"). Supplier and Customer are collectively referred to herein as the "Parties."

WHEREAS, Supplier and Customer now wish to amend the Agreement as set forth herein.

NOW, THEREFORE, in consideration of the mutual covenants and agreements contained herein, Supplier and Customer agree to amend the Agreement as follows:

1. Effective as of the date hereof, the Agreement is hereby changed and amended by deleting the date "January 1, 2016" in Section 2(b) and replacing it with "March 1, 2016".
2. Effective as of the date hereof, the Agreement is hereby changed and amended by deleting the dates "January 1, 2016" and "January 15, 2016" as they appear in Section 3(b), and replacing the dates with "March 1, 2016" and "March 15, 2016", respectively.
3. Effective as of the date hereof, the Agreement is hereby changed and amended by deleting the dates "April 1, 2019" and "April 15, 2019" as they appear in Section 3(c) and replacing the dates with "June 1, 2019" and "June 15, 2019", respectively.
4. Effective as of the date hereof, the Agreement is hereby changed and amended by deleting the dates "January 15, 2016" and "January 31, 2016" as they appear in Section 5(c), and replacing the dates with "March 15, 2016" and "March 31, 2016", respectively.
5. Effective as of the date hereof, the Agreement is hereby changed and amended by deleting the date "March 1, 2016" as it appears in Section 5(e), and replacing the date with "May 1, 2016".



6. This Amendment may be executed in two or more counterparts, each of which shall be an original, and all of which together shall constitute one and the same agreement.

7. The Agreement is hereby ratified and affirmed and, except as expressly amended herein, all other items and provisions of the Agreement remain unchanged and continue to be in full force and effect.

IN WITNESS WHEREOF, the Parties have caused this Amendment to be executed by their duly authorized representatives as of the date hereinabove written.

NORTHEAST ENERGY CENTER, LLC

By: Michael Petit
Printed Name: Michael PETIT
Title: DEVELOPMENT MANAGER

**THE NARRAGANSETT ELECTRIC COMPANY
d/b/a NATIONAL GRID**

By: John V. Vaughn for LLC
Printed Name: John V. Vaughn
Title: Authorized Signatory

Amendment ID # 3791 1000006234
LVO ~~AGREEMENT~~ CONTRACT ID # 4198

**SECOND AMENDMENT TO
PRECEDENT AGREEMENT**

This second amendment ("Amendment"), dated as of February 17th, 2016, is made to that certain Precedent Agreement entered into by and between Northeast Energy Center, LLC ("Supplier") and The Narragansett Electric Company d/b/a National Grid ("Customer"), dated May 15, 2015 and Amended on July 29, 2015 (the "Agreement"). Supplier and Customer are collectively referred to herein as the "Parties."

WHEREAS, Supplier and Customer now wish to amend the Agreement as set forth herein.

NOW, THEREFORE, in consideration of the mutual covenants and agreements contained herein, Supplier and Customer agree to amend the Agreement as follows:

1. Effective as of the date hereof, the Agreement is hereby changed and amended by deleting the date "**March 1, 2016**" in Section 2(b) and replacing it with "**April 1, 2016**".
2. Effective as of the date hereof, the Agreement is hereby changed and amended by deleting the dates "**March 1, 2016**" and "**March 15, 2016**" as they appear in Section 3(b), and replacing the dates with "**April 1, 2016**" and "**April 15, 2016**", respectively.
3. Effective as of the date hereof, the Agreement is hereby changed and amended by deleting the dates "**June 1, 2019**" and "**June 15, 2019**" as they appear in Section 3(c) and replacing the dates with "**August 1, 2019**" and "**August 15, 2019**", respectively.
4. Effective as of the date hereof, the Agreement is hereby changed and amended by deleting the dates "**July 1, 2022**" and "**July 30, 2022**" as they appear in Section 3(d) and replacing the dates with "**August 1, 2022**" and "**August 30, 2022**", respectively.
5. Effective as of the date hereof, the Agreement is hereby changed and amended by deleting the dates "**March 15, 2016**" and "**March 31, 2016**" as they appear in Section 5(c), and replacing the dates with "**April 15, 2016**" and "**April 30, 2016**", respectively.



6. Effective as of the date hereof, the Agreement is hereby changed and amended by deleting the date "May 1, 2016" as it appears in Section 5(e), and replacing the date with "June 1, 2016".

7. Effective as of the date hereof, the Agreement is hereby changed and amended by deleting the volume "5,000" as it appears in Attachment D Section 1(a) and replacing the volume with "10,000".

8. This Amendment may be executed in two or more counterparts, each of which shall be an original, and all of which together shall constitute one and the same agreement.

9. The Agreement is hereby ratified and affirmed and, except as expressly amended herein, all other items and provisions of the Agreement remain unchanged and continue to be in full force and effect.

IN WITNESS WHEREOF, the Parties have caused this Amendment to be executed by their duly authorized representatives as of the date hereinabove written.

NORTHEAST ENERGY CENTER, LLC

By: Michael Petit

Printed Name: MICHAEL PETIT

Title: DEVELOPMENT MANAGER

**THE NARRAGANSETT ELECTRIC COMPANY
d/b/a NATIONAL GRID**

By: John V. Vaughn

Printed Name: John V. Vaughn
Authorized Signatory

Title: _____

Amendment ID # 3829 1000006551
LTD CONTRACT ID # 4198

**THIRD AMENDMENT TO
PRECEDENT AGREEMENT**

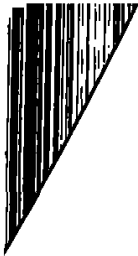
This third amendment ("Amendment"), dated as of March 30th, 2016, is made to that certain Precedent Agreement entered into by and between Northeast Energy Center, LLC ("Supplier") and The Narragansett Electric Company d/b/a National Grid ("Customer"), dated May 15, 2015 and Amended on July 29, 2015 and on February 17, 2016 (the "Agreement"). Supplier and Customer are collectively referred to herein as the "Parties."

WHEREAS, Supplier and Customer now wish to amend the Agreement as set forth herein.

NOW, THEREFORE, in consideration of the mutual covenants and agreements contained herein, Supplier and Customer agree to amend the Agreement as follows:

1. Effective as of the date hereof, the Agreement is hereby changed and amended by deleting the date "**April 1, 2016**" in Section 2(b) and replacing it with "**May 1, 2016**".
2. Effective as of the date hereof, the Agreement is hereby changed and amended by deleting the dates "**April 1, 2016**" and "**April 15, 2016**" as they appear in Section 3(b), and replacing the dates with "**May 1, 2016**" and "**May 15, 2016**", respectively.
3. Effective as of the date hereof, the Agreement is hereby changed and amended by deleting the dates "**August 1, 2019**" and "**August 15, 2019**" as they appear in Section 3(c) and replacing the dates with "**September 1, 2019**" and "**September 15, 2019**", respectively.
4. Effective as of the date hereof, the Agreement is hereby changed and amended by deleting the dates "**August 1, 2022**" and "**August 30, 2022**" as they appear in Section 3(d) and replacing the dates with "**September 1, 2022**" and "**September 30, 2022**", respectively.
5. Effective as of the date hereof, the Agreement is hereby changed and amended by deleting the dates "**April 15, 2016**" and "**April 30, 2016**" as they appear in Section 5(c), and replacing the dates with "**May 15, 2016**" and "**May 31, 2016**", respectively.





6. Effective as of the date hereof, the Agreement is hereby changed and amended by deleting the date "June 1, 2016" as it appears in Section 5(c), and replacing the date with "July 1, 2016".

7. This Amendment may be executed in two or more counterparts, each of which shall be an original, and all of which together shall constitute one and the same agreement.

8. The Agreement is hereby ratified and affirmed and, except as expressly amended herein, all other items and provisions of the Agreement remain unchanged and continue to be in full force and effect.

IN WITNESS WHEREOF, the Parties have caused this Amendment to be executed by their duly authorized representatives as of the date hereinabove written.

NORTHEAST ENERGY CENTER, LLC

By: Michael Petit
Printed Name: MICHAEL PETIT
Title: DEVELOPMENT MANAGER

THE NARRAGANSETT ELECTRIC COMPANY
d/b/a NATIONAL GRID

By: John Vaughn
Printed Name: John Vaughn
Title: Authorized Signatory

Amendment ID # 3853
(TO CONTRACT ID # 4198) 1000006575

**FOURTH AMENDMENT TO
PRECEDENT AGREEMENT**

This fourth amendment ("Amendment"), dated as of April 25, 2016, is made to that certain Precedent Agreement entered into by and between Northeast Energy Center, LLC ("Supplier") and The Narragansett Electric Company d/b/a National Grid ("Customer"), dated May 15, 2015 and Amended on July 29, 2015, on February 17, 2016, and on March 30, 2016 (the "Agreement"). Supplier and Customer are collectively referred to herein as the "Parties."

WHEREAS, Supplier and Customer now wish to amend the Agreement as set forth herein.

NOW, THEREFORE, in consideration of the mutual covenants and agreements contained herein, Supplier and Customer agree to amend the Agreement as follows:

1. Effective as of the date hereof, the Agreement is hereby changed and amended by deleting the date "May 1, 2016" in Section 2(b) and replacing it with "May 15, 2016".
2. Effective as of the date hereof, the Agreement is hereby changed and amended by deleting the dates "May 1, 2016" and "May 15, 2016" as they appear in Section 3(b), and replacing the dates with "May 15, 2016" and "May 31, 2016", respectively.
3. Effective as of the date hereof, the Agreement is hereby changed and amended by deleting the dates "September 1, 2019" and "September 15, 2019" as they appear in Section 3(c) and replacing the dates with "September 15, 2019" and "September 30, 2019", respectively.
4. Effective as of the date hereof, the Agreement is hereby changed and amended by deleting the dates "September 1, 2022" and "September 30, 2022" as they appear in Section 3(d) and replacing the dates with "September 15, 2022" and "October 15, 2022", respectively.
5. Effective as of the date hereof, the Agreement is hereby changed and amended by deleting the dates "May 15, 2016" and "May 31, 2016" as they appear in Section 5(c), and replacing the dates with "May 31, 2016" and "June 15, 2016", respectively.



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6. Effective as of the date hereof, the Agreement is hereby changed and amended by deleting the date "July 1, 2016" as it appears in Section 5(e), and replacing the date with "July 15, 2016".

7. This Amendment may be executed in two or more counterparts, each of which shall be an original, and all of which together shall constitute one and the same agreement.

8. The Agreement is hereby ratified and affirmed and, except as expressly amended herein, all other items and provisions of the Agreement remain unchanged and continue to be in full force and effect.

IN WITNESS WHEREOF, the Parties have caused this Amendment to be executed by their duly authorized representatives as of the date hereinabove written.

NORTHEAST ENERGY CENTER, LLC

By: Michael Petit

Printed Name: MICHAEL PETIT

Title: DEVELOPMENT MANAGER

**THE NARRAGANSETT ELECTRIC COMPANY
d/b/a NATIONAL GRID**

By: John V. Vaughn *CRV ja*

Printed Name: _____

Title: John V. Vaughn
Authorized Signatory

Amendment ID # 4485
(TO CONTRACT ID # 4198)

T00008166

**Fifth AMENDMENT TO
PRECEDENT AGREEMENT**

This fifth amendment ("Amendment"), dated as of ^{DECEMBER} ~~November~~ 27, 2017, is made to that certain Precedent Agreement entered into by and between Northeast Energy Center, LLC ("Supplier") and The Narragansett Electric Company d/b/a National Grid ("Customer"), dated May 15, 2015 and Amended on July 29, 2015, February 17, 2016, March 30, 2016, and on April 25, 2016 (the "Agreement"). Supplier and Customer are collectively referred to herein as the "Parties."

WHEREAS, Supplier and Customer now wish to amend the Agreement as set forth herein.

NOW, THEREFORE, in consideration of the mutual covenants and agreements contained herein, Supplier and Customer agree to amend the Agreement as follows:

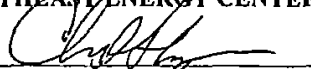
1. Effective as of the date hereof, the Agreement is hereby changed and amended by deleting the dates "September 15, 2019" and "September 30, 2019" as they appear in Section 3(c) and replacing the dates with "June 15, 2020" and "July 1, 2020", respectively.
2. This Amendment may be executed in two or more counterparts, each of which shall be an original, and all of which together shall constitute one and the same agreement.
3. The Agreement is hereby ratified and affirmed and, except as expressly amended herein, all other items and provisions of the Agreement remain unchanged and continue to be in full force and effect.

IN WITNESS WHEREOF, the Parties have caused this Amendment to be executed by their duly authorized representatives as of the date hereinabove written.



**Fifth AMENDMENT TO
PRECEDENT AGREEMENT**

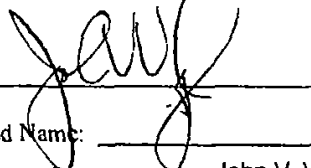

NORTHEAST ENERGY CENTER, LLC

By: 

Printed Name: CHRISTOPHER D. THOMPSON

Title: _____

**THE NARRAGANSETT ELECTRIC COMPANY
d/b/a NATIONAL GRID**

By:  

Printed Name: _____

John V. Vaughn
Authorized Signatory

Title: _____

Amendment ID # 4759
(LTD CONTRACT ID # 4198)

1000004701
Execution Version

**SIXTH AMENDMENT TO
PRECEDENT AGREEMENT**

This sixth amendment ("Amendment"), dated as of August 10, 2018 (the "Effective Date"), is made to that certain Precedent Agreement entered into by and between Northeast Energy Center, LLC ("Supplier") and The Narragansett Electric Company d/b/a National Grid ("Customer"), dated May 15, 2015 and amended on July 29, 2015, February 17, 2016, March 30, 2016, April 25, 2016 and December 27, 2017 (as so amended, the "Agreement"). Supplier and Customer are collectively referred to herein as the "Parties", and individually, each a "Party".

WHEREAS, the Agreement contemplated that Supplier would develop, permit, construct, own and operate a natural gas liquefaction and storage facility that would be certificated and operated pursuant to the regulations of the Federal Energy Regulatory Commission ("FERC");

WHEREAS, Supplier has requested that Customer allow Supplier the discretion to pursue jurisdiction by FERC and/or the Massachusetts Energy Facilities Siting Board ("EFSB"); and

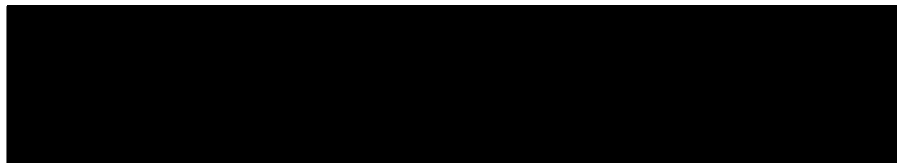
WHEREAS, Supplier and Customer now wish to amend the Agreement as set forth herein.

NOW, THEREFORE, in consideration of the mutual covenants and agreements contained herein, Supplier and Customer agree to amend the Agreement as follows:

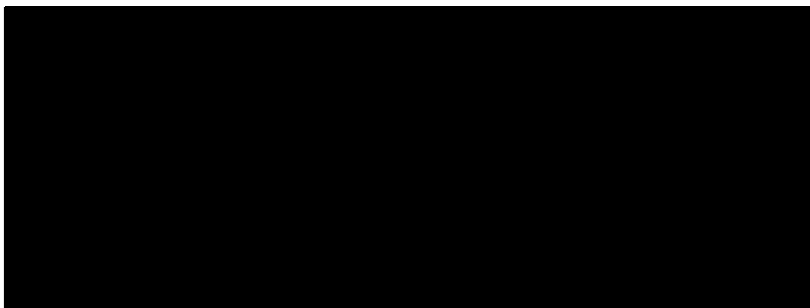
- 1. Effective as of the Effective Date,
 - a. the Agreement notice information for Supplier in Section 14 and notice information in Attachment A to the Agreement following the words "Send to" on page 1 are hereby changed and amended by deleting such notice information and replacing it with the following:

"Northeast Energy Center, LLC
c/o Liberty Energy Trust
Attention: Liqun Pan
100 Front Street, Suite 900 West
Conshohocken, PA 19428
Telephone: +1.610.941.5063
Email: liqunpan@libertyenergytrust.com
babrevnov@libertyenergytrust.com"

- b. Section 1 of the Agreement is amended to add the following at the end thereof:



Execution Version



- c. Section 7 of the Agreement is amended to add the following at the end thereof:

“If, in the future, Customer desires to supply LNG from the Facility to the Providence FERC jurisdictional LNG storage and, in connection therewith, it is determined that such service would subject the Facility to FERC jurisdiction, then Supplier shall, with timely notice from Customer and with full Customer’s cooperation, apply for and acquire any FERC authorizations necessary to provide such service consistent with the rates, terms and conditions of the Agreement. Further, in the event that Supplier pursues EFSB authorization in lieu of FERC authorization, Supplier shall take all reasonable measures to ensure that there is no diminution of service to Customer as a result of such decision. In the event that Customer suffers any material diminution of service resulting from such decision and Supplier can’t cure the situation within a reasonable period of time, Customer shall be entitled to such relief hereunder as it reasonably deems necessary to mitigate such diminution of service.”

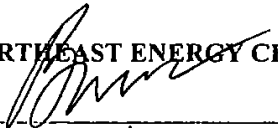
- d. any reference in the Agreement to “FERC” shall be deemed replaced with a reference to “FERC or EFSB”, *mutatis mutandis*.
2. This Amendment may be executed in two or more counterparts, each of which shall be an original, and all of which together shall constitute one and the same agreement.
 3. The Agreement is hereby ratified and affirmed and, except as expressly amended herein, all other items and provisions of the Agreement remain unchanged and continue to be in full force and effect.

[Signature page follows.]

Execution Version


IN WITNESS WHEREOF, the Parties have caused this Amendment to be executed by their duly authorized representatives as of the date first hereinabove written.

NORTHEAST ENERGY CENTER, LLC



By: *Boalt Brewer*
Title:

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID

 *cc jo*

By: John V. Vaughn
Title: Authorized Signatory

Amendment ID # 5116
(to CONTRACT ID # 4198)

T000009283

SEVENTH AMENDMENT TO
PRECEDENT AGREEMENT

This seventh amendment ("Amendment"), dated as of June 5, 2020 (the "Effective Date"), is made to that certain Precedent Agreement entered into by and between Northeast Energy Center, LLC ("Supplier") and The Narragansett Electric Company d/b/a National Grid ("Customer"), dated May 15, 2015 and amended on July 29, 2015, February 17, 2016, March 30, 2016, April 25, 2016, December 27, 2017 and August 10, 2018 (as so amended, the "Agreement"). Supplier and Customer are collectively referred to herein as the "Parties", and individually, each a "Party".

WHEREAS, the Agreement contemplated that Supplier would develop, permit, construct, own and operate a natural gas liquefaction and storage facility ("Facility") that would provide specified services to Customer;

WHEREAS, the permitting and construction processes for the Facility are likely to be affected by the Governor of Massachusetts' Declaration of a State of Emergency to Respond to COVID-19 (No. 591) ("Declaration") and a series of orders issued thereunder or likely to be issued in the future closing certain workplaces and establishing guidelines and procedures for all construction sites, including the establishment of safety plans, oversight and reporting;

WHEREAS, the Declaration and related guidelines will likely affect the timing of the issuance of permits, licenses and approvals with respect to the Facility;

WHEREAS, existing and reasonably expected future guidelines with respect to construction projects issued during or subsequent to the state of emergency established within the Declaration will likely affect the nature and duration of the Facility's construction, all in a manner not contemplated within the Agreement; and

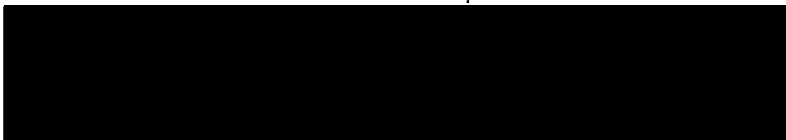
WHEREAS, Supplier and Customer now wish to amend the Agreement as set forth herein.

NOW, THEREFORE, in consideration of the mutual covenants and agreements contained herein, Supplier and Customer agree to amend the Agreement effective as of the date stated above, as follows:

- 1. The first sentence of Section 3(c) of the Agreement is amended to read as follows:

Effective as of the date hereof, the Agreement is hereby changed and amended by deleting the dates "June 15, 2020" and "July 1, 2020" as they appear in Section 3(c) and replacing the dates with "December 15, 2020" and "December 31, 2020," respectively.

- 2. Section 3(d) of the Agreement is amended to read as follows:

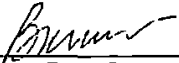


3. This Amendment may be executed in two or more counterparts, each of which shall be an original, and all of which together shall constitute one and the same agreement.
4. The Agreement is hereby ratified and affirmed and, except as expressly amended herein, all other items and provisions of the Agreement remain unchanged and continue to be in full force and effect.

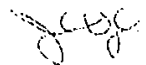
[Signature page follows]

IN WITNESS WHEREOF, the Parties have caused this Amendment to be executed by their duly authorized representatives as of the date first hereinabove written.

NORTHEAST ENERGY CENTER LLC

By: 
Name: Boris Brevnov
Title: Managing Member

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID

By: 
Name: John V. Vaughn
Title: Authorized Signatory

EIGHTH AMENDMENT TO
PRECEDENT AGREEMENT

This eighth amendment ("Amendment"), dated as of December 7, 2020 (the "Effective Date"), is made to that certain Precedent Agreement entered into by and between Northeast Energy Center, LLC ("Supplier") and The Narragansett Electric Company d/b/a National Grid ("Customer"), dated May 15, 2015 and amended on July 29, 2015, February 17, 2016, March 30, 2016, April 25, 2016, December 27, 2017, August 10, 2018 and June 5, 2020 (as so amended, the "Agreement"). Supplier and Customer are collectively referred to herein as the "Parties", and individually, each a "Party".

WHEREAS, the Agreement contemplated that Supplier would develop, permit, construct, own and operate a natural gas liquefaction and storage facility ("Facility") that would provide specified services to Customer;

WHEREAS, the permitting and construction processes for the Facility are likely to be affected by the Governor of Massachusetts' Declaration of a State of Emergency to Respond to COVID-19 (No. 591) ("Declaration") and a series of orders issued thereunder or likely to be issued in the future closing certain workplaces and establishing guidelines and procedures for all construction sites, including the establishment of safety plans, oversight and reporting;

WHEREAS, the Declaration and related guidelines affect the timing of the issuance of permits, licenses, and approvals with respect to the Facility;

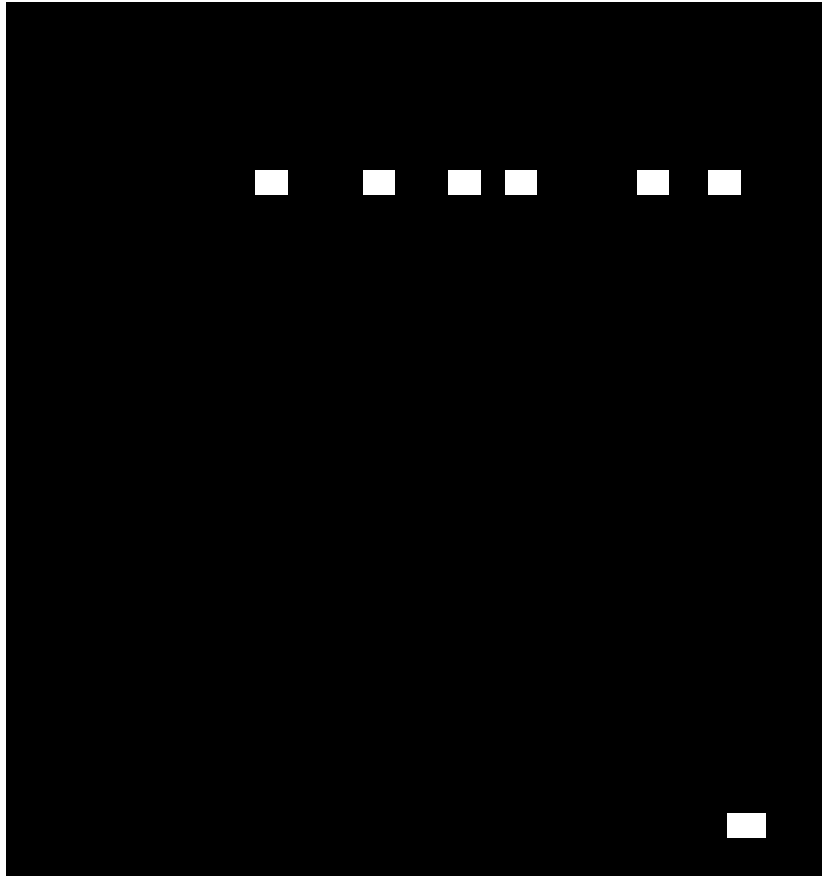
WHEREAS, existing and reasonably expected future guidelines with respect to construction projects issued during or subsequent to the state of emergency established within the Declaration will likely affect the nature and duration of the Facility's construction, all in a manner not contemplated within the Agreement; and

WHEREAS, Supplier and Customer now wish to amend the Agreement as set forth herein.

NOW, THEREFORE, in consideration of the mutual covenants and agreements contained herein, Supplier and Customer agree to amend the Agreement effective as of the date stated above, as follows:

1. Effective as of the date hereof, the Agreement is hereby changed and amended by deleting the dates "December 15, 2020" and "December 31, 2020" as they appear in the first sentence of Section 3(c), as amended, and replacing the dates with "April 30, 2021" and "May 15, 2021," respectively.

2. Section 3(d) of the Agreement is deleted in entirety and replaced to read as follows:

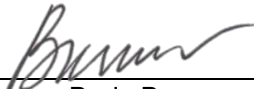


3. This Amendment may be executed in two or more counterparts, each of which shall be an original, and all of which together shall constitute one and the same agreement.
4. The Agreement is hereby ratified and affirmed and, except as expressly amended herein, all other items and provisions of the Agreement remain unchanged and continue to be in full force and effect.

[Signature page follows]

IN WITNESS WHEREOF, the Parties have caused this Amendment to be executed by their duly authorized representatives as of the date first hereinabove written.

NORTHEAST ENERGY CENTER LLC

By:  _____
Name: Boris Brevnov
Title: Managing Member

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID

By: _____
Name: John V. Vaughn
Title:

NINTH AMENDMENT TO
PRECEDENT AGREEMENT

This ninth amendment ("Amendment"), dated as of April 29, 2021 (the "Effective Date"), is made to that certain Precedent Agreement entered into by and between Northeast Energy Center, LLC ("Supplier") and The Narragansett Electric Company d/b/a National Grid ("Customer"), dated May 15, 2015 and amended on July 29, 2015, February 17, 2016, March 30, 2016, April 25, 2016, December 27, 2017, August 10, 2018 and June 5, 2020 and December 7, 2020 (as so amended, the "Agreement"). Supplier and Customer are collectively referred to herein as the "Parties", and individually, each a "Party".

WHEREAS, the Agreement contemplated that Supplier would develop, permit, construct, own and operate a natural gas liquefaction and storage facility ("Facility") that would provide specified services to Customer;

WHEREAS, the permitting and construction processes for the Facility are likely to be affected by the Governor of Massachusetts' Declaration of a State of Emergency to Respond to COVID-19 (No. 591) ("Declaration") and a series of orders issued thereunder or likely to be issued in the future closing certain workplaces and establishing guidelines and procedures for all construction sites, including the establishment of safety plans, oversight and reporting;

WHEREAS, the Declaration and related guidelines affect the timing of the issuance of permits, licenses, and approvals with respect to the Facility;

WHEREAS, existing and reasonably expected future guidelines with respect to construction projects issued during or subsequent to the state of emergency established within the Declaration will likely affect the nature and duration of the Facility's construction, all in a manner not contemplated within the Agreement; and

WHEREAS, Supplier and Customer now wish to amend the Agreement as set forth herein.

NOW, THEREFORE, in consideration of the mutual covenants and agreements contained herein, Supplier and Customer agree to amend the Agreement effective as of the date stated above, as follows:

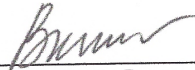
1. Effective as of the date hereof, the Agreement is hereby changed and amended by deleting the dates "April 30, 2021" and "May 15, 2021" as they appear in the first sentence of Section 3(c), as amended, and replacing the dates with "July 30, 2021" and "August 15, 2021," respectively.
2. This Amendment may be executed in two or more counterparts, each of which shall be an original, and all of which together shall constitute one and the same agreement.
3. The Agreement is hereby ratified and affirmed and, except as expressly amended herein, all other items and provisions of the Agreement remain unchanged and continue to be in full force and effect.

REDACTED

[Signature page follows]

IN WITNESS WHEREOF, the Parties have caused this Amendment to be executed by their duly authorized representatives as of the date first hereinabove written.

NORTHEAST ENERGY CENTER LLC

By: 
Name: Boris Brevnov
Title: Managing Member

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID

By: 
Name: Terrence Kain
Title: Authorized Signatory

TENTH AMENDMENT TO
PRECEDENT AGREEMENT

This tenth amendment ("Amendment"), dated as of July 26, 2021 (the "Effective Date"), is made to that certain Precedent Agreement entered into by and between Northeast Energy Center, LLC ("Supplier") and The Narragansett Electric Company d/b/a National Grid ("Customer"), dated May 15, 2015 and amended on July 29, 2015, February 17, 2016, March 30, 2016, April 25, 2016, December 27, 2017, August 10, 2018, June 5, 2020, December 7, 2020 and April 29, 2021 (as so amended, the "Agreement"). Supplier and Customer are collectively referred to herein as the "Parties", and individually, each a "Party".

WHEREAS, the Agreement contemplated that Supplier would develop, permit, construct, own and operate a natural gas liquefaction and storage facility ("Facility") that would provide specified services to Customer;

WHEREAS, the permitting and construction processes for the Facility are likely to be affected by the Governor of Massachusetts' Declaration of a State of Emergency to Respond to COVID-19 (No. 591) ("Declaration") and a series of orders issued thereunder or likely to be issued in the future closing certain workplaces and establishing guidelines and procedures for all construction sites, including the establishment of safety plans, oversight and reporting;

WHEREAS, the Declaration and related guidelines affect the timing of the issuance of permits, licenses, and approvals with respect to the Facility;

WHEREAS, existing and reasonably expected future guidelines with respect to construction projects issued during or subsequent to the state of emergency established within the Declaration will likely affect the nature and duration of the Facility's construction, all in a manner not contemplated within the Agreement; and

WHEREAS, Supplier and Customer now wish to amend the Agreement as set forth herein.

NOW, THEREFORE, in consideration of the mutual covenants and agreements contained herein, Supplier and Customer agree to amend the Agreement effective as of the date stated above, as follows:


1. Effective as of the date hereof, the Agreement is hereby changed and amended by deleting the dates "July 30, 2021" and "August 15, 2021" as they appear in the first sentence of Section 3(c), as amended, and replacing the dates with "September 30, 2021" and "October 15, 2021," respectively.
2. This Amendment may be executed in two or more counterparts, each of which shall be an original, and all of which together shall constitute one and the same agreement.
3. The Agreement is hereby ratified and affirmed and, except as expressly amended herein, all other items and provisions of the Agreement remain unchanged and continue to be in full force and effect.

REDACTED

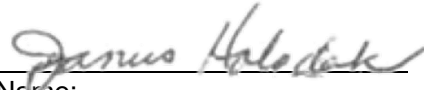
[Signature page follows]

IN WITNESS WHEREOF, the Parties have caused this Amendment to be executed by their duly authorized representatives as of the date first hereinabove written.

NORTHEAST ENERGY CENTER LLC

By: 
Name: Boris Brevnov
Title: Managing Member

The Narragansett Electric Company d/b/a NATIONAL GRID

By: 
Name:
Title:

ELEVENTH AMENDMENT TO
PRECEDENT AGREEMENT

This eleventh amendment ("Amendment"), dated as of September 21, 2021 (the "Effective Date"), is made to that certain Precedent Agreement entered into by and between Northeast Energy Center, LLC ("Supplier") and The Narragansett Electric Company d/b/a National Grid ("Customer"), dated May 15, 2015 and amended on July 29, 2015, February 17, 2016, March 30, 2016, April 25, 2016, December 27, 2017, August 10, 2018, June 5, 2020, December 7, 2020, April 29, 2021 and July 26, 2021 (as so amended, the "Agreement"). Supplier and Customer are collectively referred to herein as the "Parties", and individually, each a "Party".

WHEREAS, the Agreement contemplated that Supplier would develop, permit, construct, own and operate a natural gas liquefaction and storage facility ("Facility") that would provide specified services to Customer;

WHEREAS, the permitting and construction processes for the Facility are likely to be affected by the Governor of Massachusetts' Declaration of a State of Emergency to Respond to COVID-19 (No. 591) ("Declaration") and a series of orders issued thereunder or likely to be issued in the future closing certain workplaces and establishing guidelines and procedures for all construction sites, including the establishment of safety plans, oversight and reporting;

WHEREAS, the Declaration and related guidelines affect the timing of the issuance of permits, licenses, and approvals with respect to the Facility;

WHEREAS, existing and reasonably expected future guidelines with respect to construction projects issued during or subsequent to the state of emergency established within the Declaration will likely affect the nature and duration of the Facility's construction, all in a manner not contemplated within the Agreement; and

WHEREAS, Supplier and Customer now wish to amend the Agreement as set forth herein.

NOW, THEREFORE, in consideration of the mutual covenants and agreements contained herein, Supplier and Customer agree to amend the Agreement effective as of the date stated above, as follows:


1. Effective as of the date hereof, the Agreement is hereby changed and amended by deleting the dates "September 30, 2021" and "October 15, 2021" as they appear in the first sentence of Section 3(c), as amended, and replacing the dates with "October 15, 2021" and "November 1, 2021," respectively.
2. This Amendment may be executed in two or more counterparts, each of which shall be an original, and all of which together shall constitute one and the same agreement.
3. The Agreement is hereby ratified and affirmed and, except as expressly amended herein, all other items and provisions of the Agreement remain unchanged and continue to be in full force and effect.

REDACTED

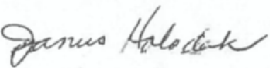
[Signature page follows]

IN WITNESS WHEREOF, the Parties have caused this Amendment to be executed by their duly authorized representatives as of the date first hereinabove written.

NORTHEAST ENERGY CENTER LLC

By: 
Name: Boris Brevnov
Title: Managing Member

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID

By: 
Name: James G. Holodak, Jr.
Title: Vice President

TWELFTH AMENDMENT TO
PRECEDENT AGREEMENT

This twelfth amendment ("Amendment"), dated as of October 12, 2021 (the "Effective Date"), is made to that certain Precedent Agreement entered into by and between Northeast Energy Center, LLC ("Supplier") and The Narragansett Electric Company d/b/a National Grid ("Customer"), dated May 15, 2015 and amended on July 29, 2015, February 17, 2016, March 30, 2016, April 25, 2016, December 27, 2017, August 10, 2018, June 5, 2020, December 7, 2020, April 29, 2021, July 26, 2021 and September 21, 2021 (as so amended, the "Agreement"). Supplier and Customer are collectively referred to herein as the "Parties", and individually, each a "Party".

WHEREAS, the Agreement contemplated that Supplier would develop, permit, construct, own and operate a natural gas liquefaction and storage facility ("Facility") that would provide specified services to Customer;

WHEREAS, the permitting and construction processes for the Facility are likely to be affected by the Governor of Massachusetts' Declaration of a State of Emergency to Respond to COVID-19 (No. 591) ("Declaration") and a series of orders issued thereunder or likely to be issued in the future closing certain workplaces and establishing guidelines and procedures for all construction sites, including the establishment of safety plans, oversight and reporting;

WHEREAS, the Declaration and related guidelines affect the timing of the issuance of permits, licenses, and approvals with respect to the Facility;

WHEREAS, existing and reasonably expected future guidelines with respect to construction projects issued during or subsequent to the state of emergency established within the Declaration will likely affect the nature and duration of the Facility's construction, all in a manner not contemplated within the Agreement; and

WHEREAS, Supplier and Customer now wish to amend the Agreement as set forth herein.

NOW, THEREFORE, in consideration of the mutual covenants and agreements contained herein, Supplier and Customer agree to amend the Agreement effective as of the date stated above, as follows:

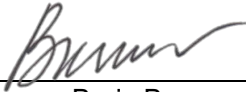
1. Effective as of the date hereof, the Agreement is hereby changed and amended by deleting the dates "October 15, 2021" and "November 1, 2021" as they appear in the first sentence of Section 3(c), as amended, and replacing the dates with "October 31, 2021" and "November 15, 2021," respectively.
2. This Amendment may be executed in two or more counterparts, each of which shall be an original, and all of which together shall constitute one and the same agreement.
3. The Agreement is hereby ratified and affirmed and, except as expressly amended herein, all other items and provisions of the Agreement remain unchanged and continue to be in full force and effect.

REDACTED

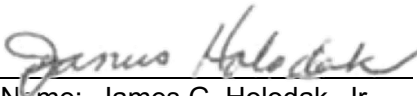
[Signature page follows]

IN WITNESS WHEREOF, the Parties have caused this Amendment to be executed by their duly authorized representatives as of the date first hereinabove written.

NORTHEAST ENERGY CENTER LLC

By: 
Name: Boris Brevnov
Title: Managing Member

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID

By: 
Name: James G. Holodak, Jr.
Title: Vice President

Transaction Confirmation

Effective Date: March 23, 2022

This Transaction Confirmation is subject to the LNG Transportation Services Agreement between National Grid USA Service Company, Inc. ("National Grid") and L.P. Transportation, Inc. ("Transporter"), dated April 1, 2013 ("Agreement") and is being entered into in order to provide services to National Grid.

All capitalized terms used in this Transaction Confirmation and not otherwise defined shall have the meanings assigned to them in the Agreement.

The table below sets forth the Delivery Points at which National Grid may request deliveries, Cost per lb., and Estimated Cost per Load for Receipts from UGI ENERGY SERVICES, LLC 's ("UGI")'s facility at 8 Energy Lane, Meshoppen, PA, 18630.

Delivery Point (Nat. Grid Facility)	Estimated Transportation Rate before Diesel Fuel Surcharge
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]

Delivery Period: On any Day during the term April 1, 2022 through and including November 30, 2022, National Grid shall have the right, but not the obligation, to call on Transporter to deliver up to four (4) loads per day of liquefied natural gas ("LNG") to the Delivery Point(s) in order to serve National Grid.

Pricing: For Loads transported hereunder, National Grid shall pay Transporter the transportation rates identified in this Transaction Confirmation plus such additional charges agreed to by the Parties as part of Transporter's bid proposal ("Exhibit A") attached to this Transaction Confirmation; the final transportation rate billed to the

Delivery Point(s) shall be subject to adjustment based on the actual volume of LNG transported.

Special Conditions:

1. This Transaction Confirmation was awarded pursuant to National Grid's Request for Proposals for LNG Transportation Services dated March 7, 2022 the exhibits attached thereto, which are incorporated into and made a part hereof.
2. No Exclusivity: for avoidance of doubt, Transporter shall not have exclusivity to deliver to the Delivery Point(s) during the Delivery Period.

L.P. Transportation, Inc.

National Grid USA Service Company, Inc.

By: Todd Eldred

By: _____

Name: Todd Eldred

Name: James G. Holodak, Jr.

Title: CHIEF OPERATING OFFICER

Title: Vice President

Transaction Confirmation

Effective Date: March 30, 2022

This Transaction Confirmation is subject to the LNG Transportation Services Agreement between National Grid USA Service Company, Inc. ("National Grid") and Transgas Inc. ("Transporter"), dated April 1, 2013 ("Agreement") and is being entered into in order to provide services to National Grid.

All capitalized terms used in this Transaction Confirmation and not otherwise defined shall have the meanings assigned to them in the Agreement.

The table below sets forth the Delivery Points at which National Grid may request deliveries, Cost per lb., and Estimated Cost per Load for Receipts from UGI ENERGY SERVICES, LLC 's ("UGI")'s facility at 8 Energy Lane, Meshoppen, PA, 18630.

Delivery Point (Nat. Grid Facility)	Estimated Transportation Rate (per cwt) before Diesel Fuel Surcharge
[Redacted Table Content]	

Delivery Period: On any Day during the term April 1, 2022 through and including November 30, 2022, National Grid shall have the right, but not the obligation, to call on Transporter to deliver up to five (5) loads per day of liquefied natural gas ("LNG") to the Delivery Point(s) in order to serve National Grid. Notwithstanding the foregoing, National Grid shall make all reasonable efforts to levelize Transporter's resources and deliveries between the Delivery Point(s) during the Delivery Period.

Pricing: For Loads transported hereunder, National Grid shall pay Transporter the transportation rates identified in this Transaction Confirmation plus such additional charges agreed to by the Parties as part of Transporter's bid proposal which was submitted as Exhibit 24 and is attached to this Transaction Confirmation and identified as Attachment A; the final transportation rate billed to the Delivery

Point(s) shall be subject to adjustment based on the actual volume of LNG transported. In addition to such Transportation Rate, National Grid shall pay Transporter pursuant to part of Transporter's bid proposal and as set forth in Attachment B of this Transaction Confirmation, as applicable ("Transgas Standard Terms and Conditions For Deliveries Originating in Pennsylvania").

Special Conditions:

1. This Transaction Confirmation was awarded pursuant to National Grid's Request for Proposals for LNG Transportation Services dated March 7, 2022 the exhibits attached thereto, which are incorporated into and made a part hereof.
2. No Exclusivity: for avoidance of doubt, Transporter shall not have exclusivity to deliver to the Delivery Point(s) during the Delivery Period.

Transgas Inc.

By: Timothy Mehan

Name: Timothy Mehan

Title: V.P., Operations

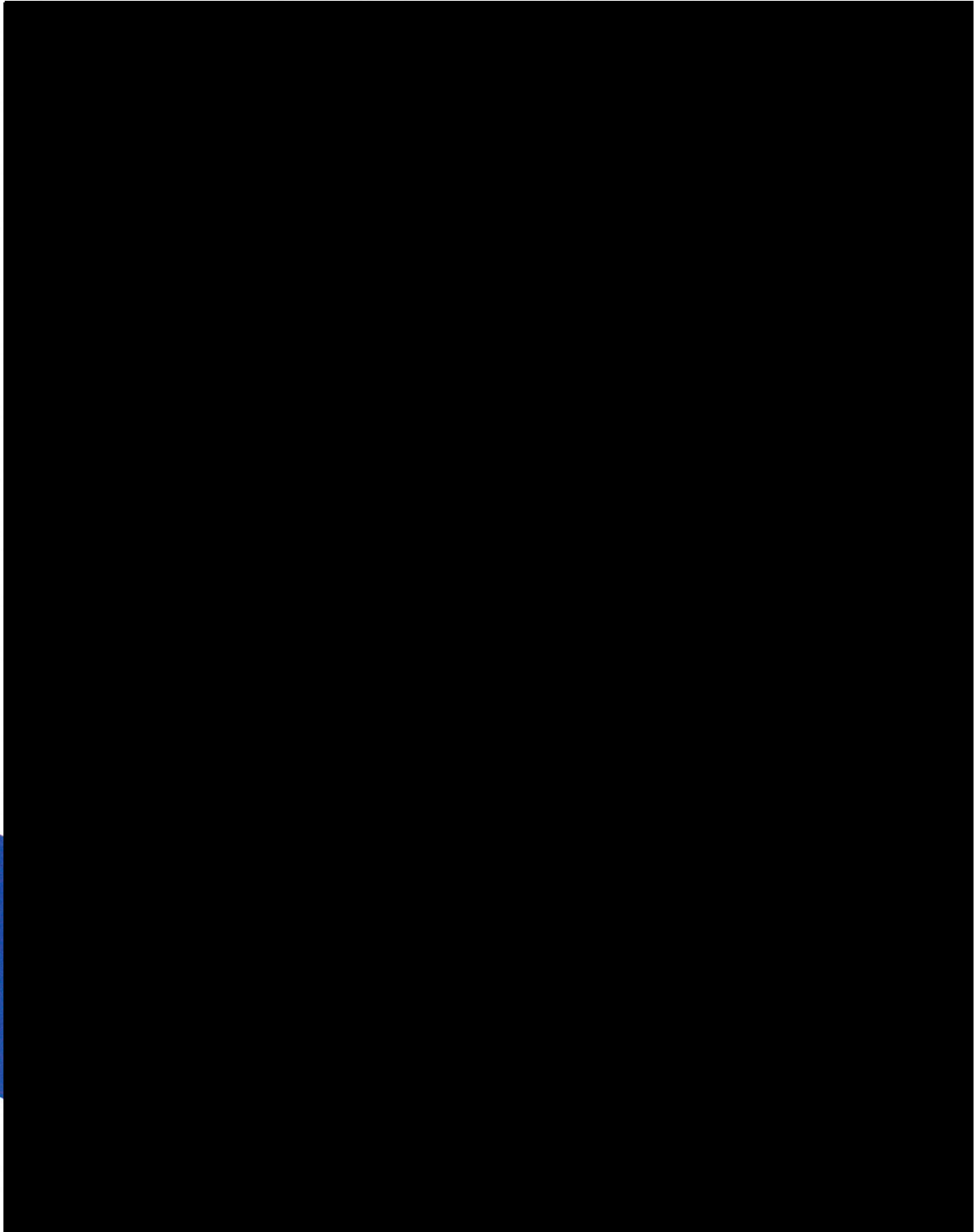
National Grid USA Service Company, Inc.

By: James G. Holodak, Jr.

Name: James G. Holodak, Jr.

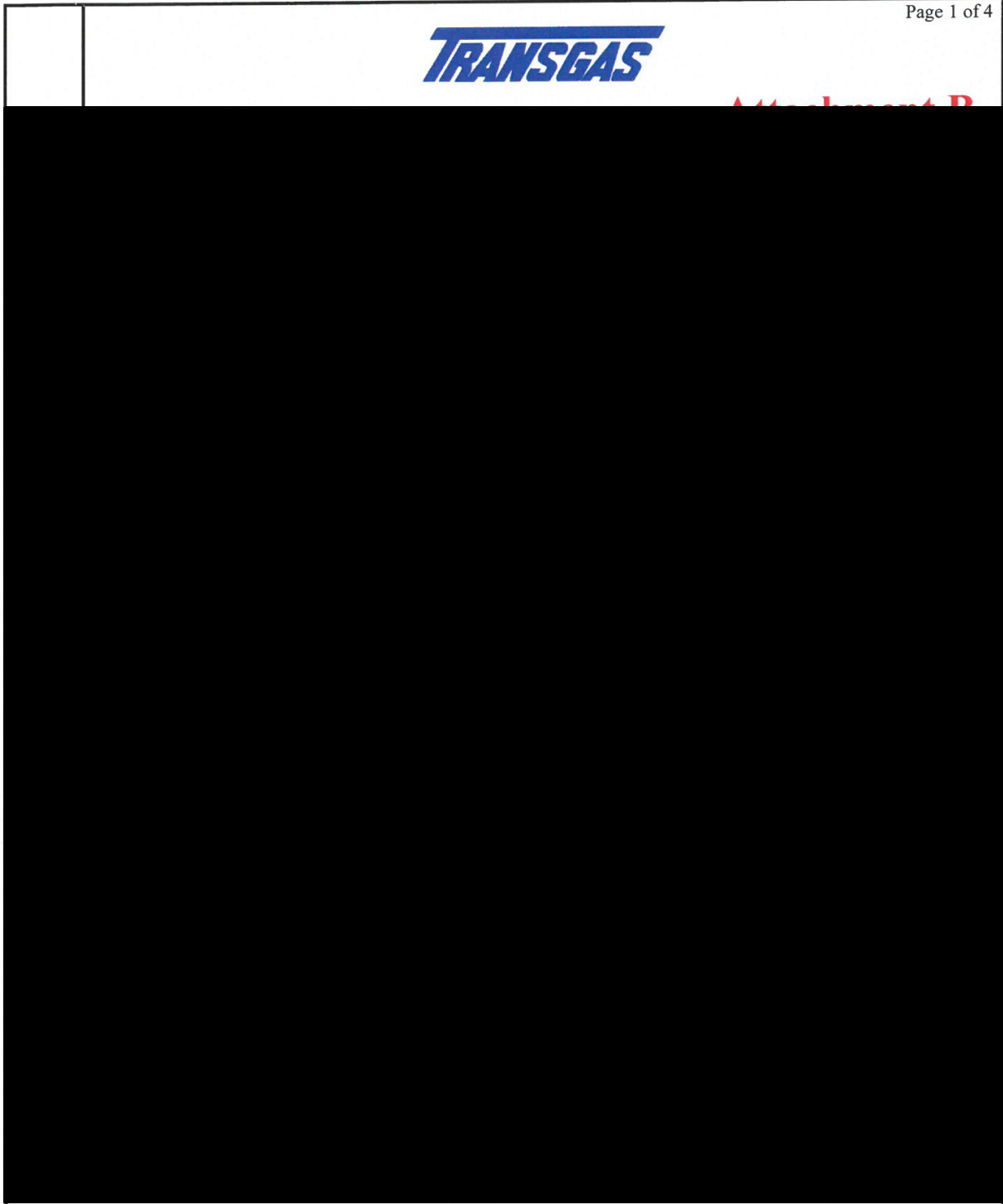
Title: Vice President

REDACTED





Attachment D

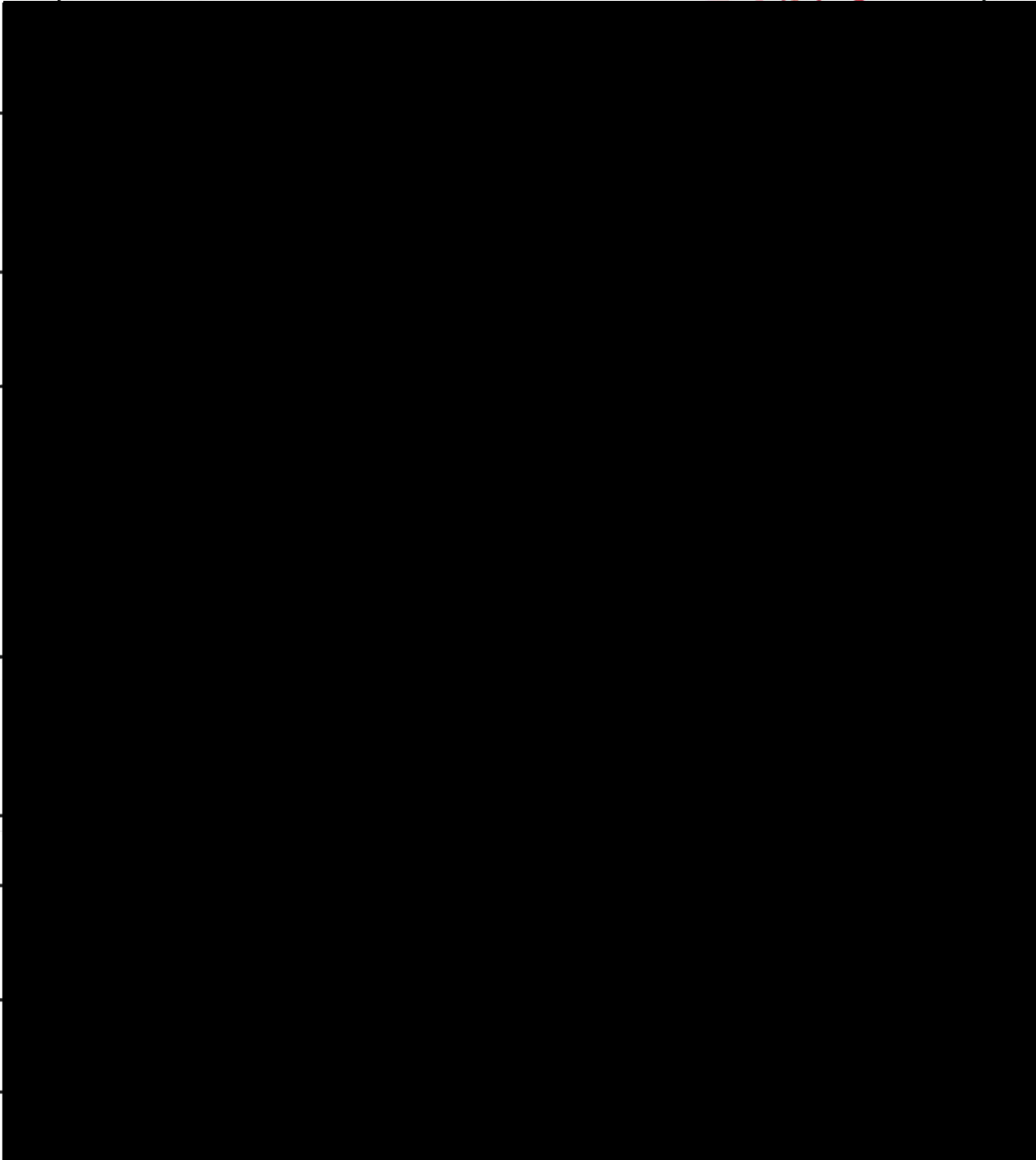


Effective: January 1, 2019
These Standard Terms and Conditions Contain Privileged and Confidential Information

K:\Standard Terms and Conditions\Standard Terms and Conditions – January 1, 2019 (PA Origin Deliveries) updated fuel table

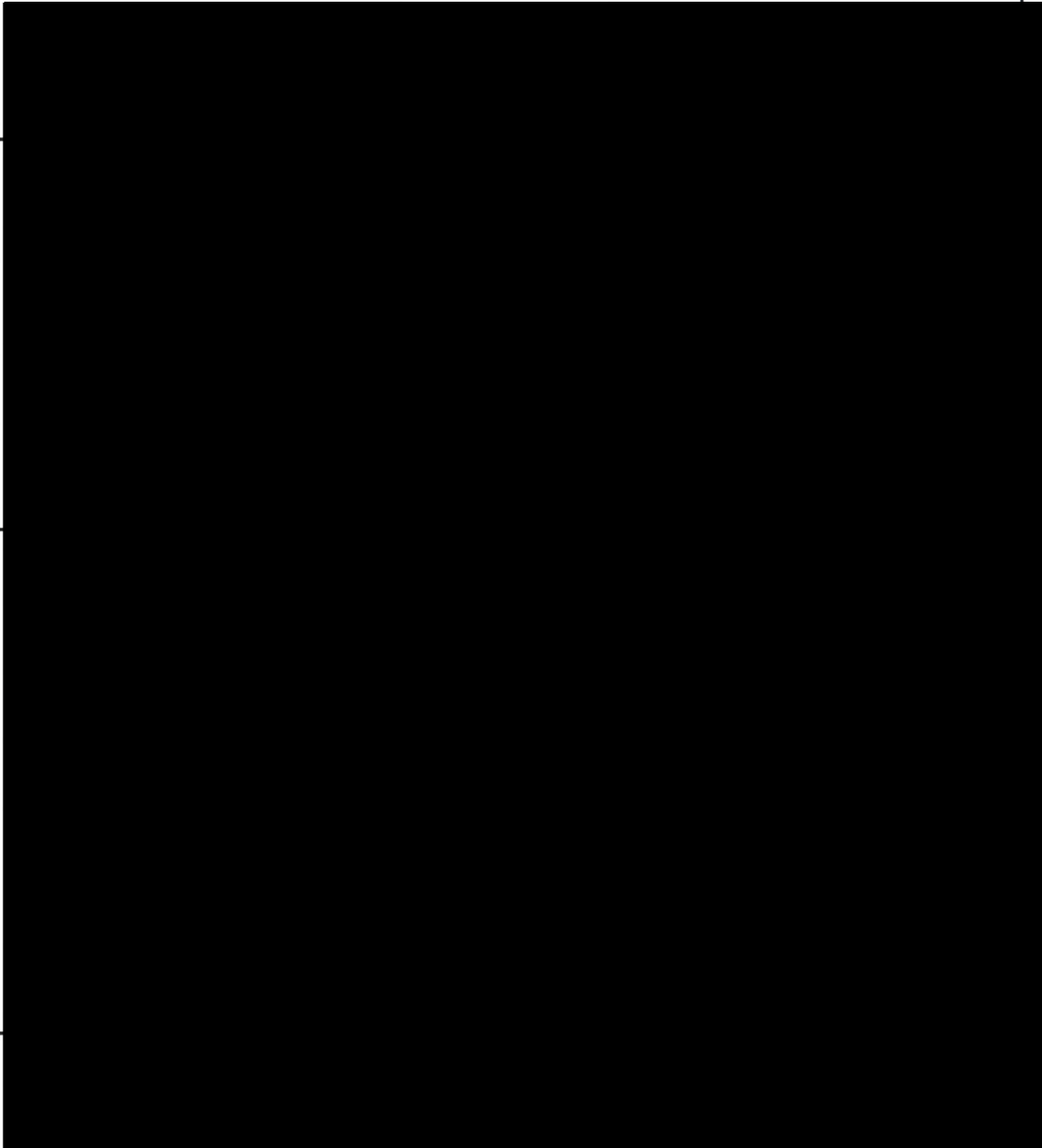


ITEM

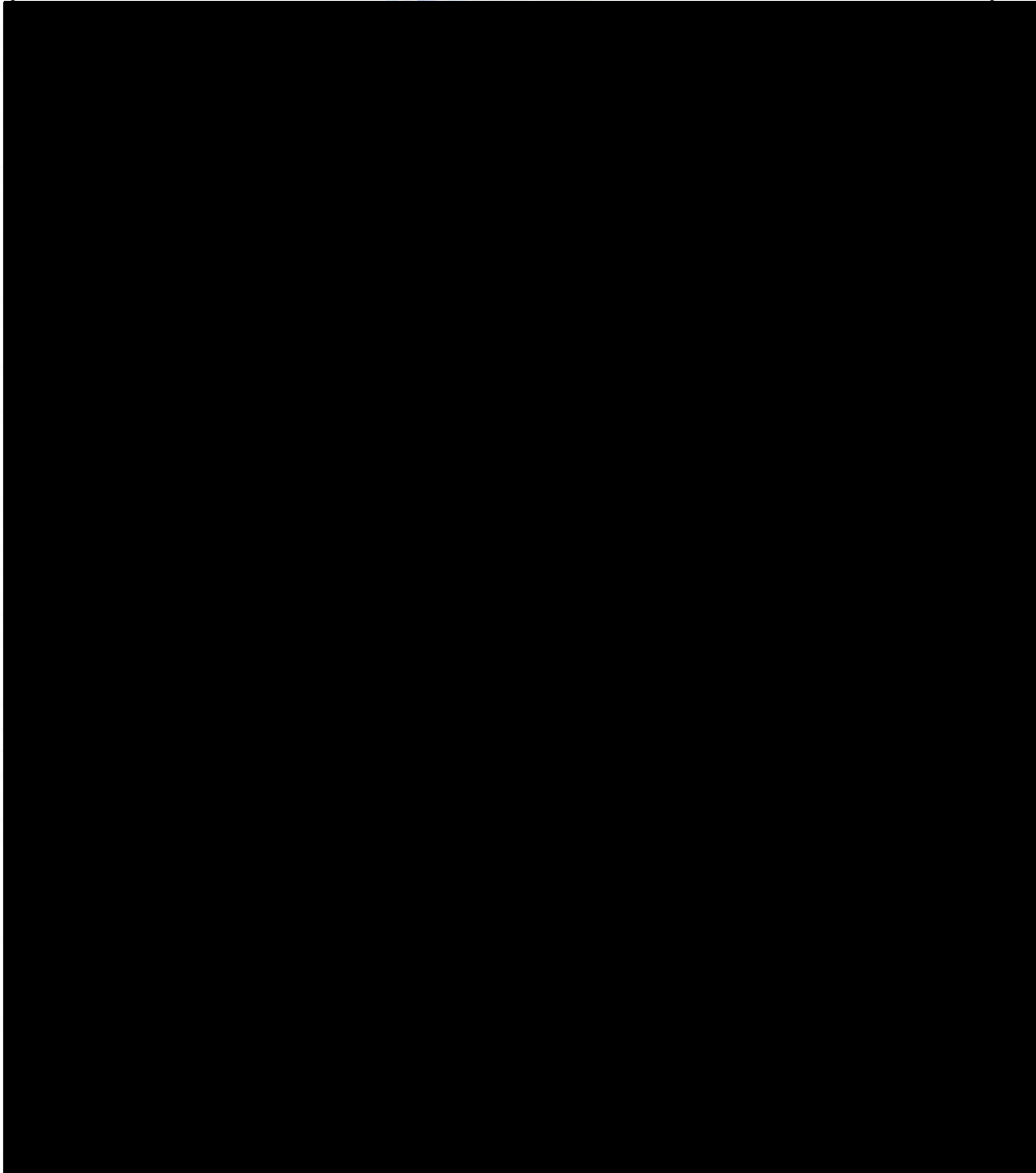


Effective: January 1, 2019
These Standard Terms and Conditions Contain Privileged and Confidential Information

K:\Standard Terms and Conditions\Standard Terms and Conditions – January 1, 2019 (PA Origin Deliveries) updated fuel table



Effective: January 1, 2019
These Standard Terms and Conditions Contain Privileged and Confidential Information



Effective: January 1, 2019

These Standard Terms and Conditions Contain Privileged and Confidential Information

K:\Standard Terms and Conditions\Standard Terms and Conditions – January 1, 2019 (PA Origin Deliveries) updated fuel table

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TRANSACTION CONFIRMATION #1



This Transaction Confirmation is subject to the Base Contract for Sale and Purchase of Natural Gas ("Base Contract") between SELLER and BUYER dated March 21, 2022. The terms of this Transaction Confirmation are binding unless disputed in writing within two (2) Business Days of receipt unless otherwise specified in the Base Contract.

SELLER :
UGI Energy Services, LLC (« UGIES »)
835 Knitting Mills Way
Wyomissing, PA 19610
Louis James, Director – Business Development
Phone: (610) 698-8630
Fax: (610) 373-8470

BUYER:
The Narragansett Electric Company
100 Old Country Road
Hicksville NY 11801
Attn: Samara Jaffe, Director- Gas Contracting, Compliance & Hedging
Phone: (516) 545-6068
Fax: (516) 545-5466

Fees and Charges (US\$ per MMBtu):

Gas Commodity Cost: [REDACTED]

Facility Fee: [REDACTED] per MMBtu of MCQ or [REDACTED] paid in eight (8) equal monthly installments of [REDACTED] starting April 2022. BUYER is responsible for the Demand Charges irrespective of quantities called upon during the Delivery period.

Delivery Period: April 1, 2022 – November 30, 2022.

Delivery Point(s): SELLER’s facilities located in Mehoopany, Pennsylvania

Performance Obligation:

Firm **Interruptible (Describe):** _____


Contract Quantity: Maximum Contract Quantity ("MCQ"): 100,000 MMBtu
Incremental quantities shall be negotiated by the Parties, available at the sole discretion of SELLER.

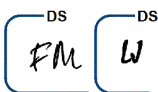
Maximum Daily Quantity ("MDQ"): Nine (9) trucks per weekday. In no event shall BUYER’s right to nominate LNG volumes up to the MDQ result in BUYER (a) exceeding its MCQ; nor (b) exceeding a combined MDQ of Nine (9) trucks per weekday, under both this Transaction Confirmation and the Transaction Confirmation in effect with Boston Gas Company.

UGIES will coordinate with BUYER, to the extent possible, to develop an efficient trucking schedule that will complement BUYER’s usage profile, including the possibility of a higher MDQ at times during the Delivery Period.

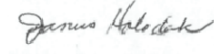
Comments: BTU Value shall be below 1070 btu/scf.

UGI Energy Services, LLC
DocuSigned by:

By: 
Name: Anthony Cox
Title: Vice President
Date: 08-Apr-2022 | 11:14 AM EDT



The Narragansett Electric Company

By: 
Name: James G. Holodak, Jr.
Title: Vice President
Date: April 12, 2022

LIQUEFIED NATURAL GAS SUPPLY AND DELIVERY AGREEMENT

THIS AGREEMENT (the “Agreement”) is made and entered into as of March 31st, 2022 (the “**Agreement Date**”)

AMONG:

THE NARRAGANSETT ELECTRIC COMPANY, a Rhode Island Corporation (“**Customer**”)

– and –

GAZ MÉTRO LNG, L.P., a limited partnership organized under the laws of the Province of Québec, acting through its general partner, **GAZ MÉTRO LNG INC (“GM LNG”)**.

Customer and GM LNG are individually referred to as “**Party**” and collectively as “**Parties**”.

WHEREAS:

- A. GM LNG owns and operates a liquefaction, storage and regasifying plant (the “**LSR Plant**”) located at 11201 Henri-Bourassa Boulevard East, Montréal, Province of Québec, Canada;
- B. Customer desires to purchase from GM LNG LNG (defined below) on the terms and conditions set forth herein in order to have it delivered by GM LNG to certain installations located in the United States of America;
- C. GM LNG wishes to sell LNG to Customer and Customer wishes to purchase such LNG from GM LNG, on a DDP Incoterms® 2010 basis, to be supplied from the LSR Plant or any other LNG plants GM LNG elects to use, if any.

NOW THEREFORE, the Parties agree as follows:

1. **Defined Terms and List of Exhibits:**

Defined Terms

“**Affected Party**” has the meaning set forth in Section 14(a)(i).

“**Affiliate**” shall mean a Person that, directly or indirectly, through one or more intermediaries, controls, is controlled by, or is under common control with, the first Person; where the term “control,” “controlled by” or “under common control with” means the power, direct or indirect, to direct or cause the direction of the management and policies of a Person, whether through the ownership of voting securities, by contract, as trustee or executor, or otherwise.

“**Agreement**” shall mean this Agreement.

“**Agreement Date**” has the meaning set forth on page 1 of this Agreement.

“**Applicable Laws**” shall mean all federal, provincial and state laws and statutes and all regulations with jurisdiction over the Parties to this Agreement and application to the subject matter hereof, and all codes adopted hereunder or incorporated by reference for the storage, handling, loading and transportation of LNG.

“**Approval**” shall mean any permit, franchise, authorization, approval, grant, license, visa, waiver, exemption, consent, permission, registration, decree, privilege, variance, validation, confirmation or order granted by or filed with any Governmental Authority.

“**Boston Gas Company Agreement**” means the Liquefied Natural Gas Supply and Delivery Agreement between GM LNG and Boston Gas Company DBA National Grid dated March 31st, 2022.

“**Business Day**” means any day, except Saturday, Sunday or a statutory or banking holiday observed in either the province of Québec, Canada or the United States of America.

“**Commodity Charge**” has the meaning set forth in Section 4.1(a).

“**Conditions of Service and Tariff**” or “**Tariff**” means the Conditions of natural gas Service and Tariff of Énergir, L.P. as adopted and modified by the Régie from time to time pursuant to the *Act Respecting the Régie de l'énergie* (R.S.Q., c. R-6-01).

“**Confidential Information**” has the meaning set forth in Section 13(a).

“**CQ**” has the meaning set forth in Section 3(a)(iii).

“**CTEAS**” means the Cap-and-Trade System for Greenhouse Gas Emission Allowances.

“**Customer**” has the meaning set forth on page 1 of this Agreement.

“**Defaulting Party**” has the meaning set forth in Section 10(a).

“**Delivery Point(s)**” has the meaning(s) set forth in Section 3(a)(i).

“**Delivery Term**” has the meaning set forth in Section 2(b).

“**Demand Charge**” has the meaning set forth in Section 4.1(b).

“**Disclosing Party**” has the meaning set forth in Section 13(a).

“**ERP**” has the meaning set forth in Section 7(d).

“**Force Majeure**” or “**Event of Force Majeure**” has the meaning set forth in Section 14(a)(ii).

“**Énergir, L.P.**” refers to Énergir, L.P., a public utility having exclusive right to distribute natural gas in its gaseous state in various territories of the province of Québec;

“**GM LNG**” has the meaning set forth on page 1 of this Agreement.

“**Governmental Authority**” shall mean any national, regional, provincial, state or local government, or any subdivision, agency, commission or authority thereof having jurisdiction over this Agreement, a Party, the LSR Plant, Transporter or an LNG Tank including, without limitation, the Régie, the National Energy Board of Canada, the Rhode Island Division of Public Utilities and Carriers and the Rhode Island Public Utilities Commission.

“**GST**” shall mean the Goods and Services Tax.

“**Indemnified Party**” has the meaning set forth in Section 10(a).

“**Insurance Policies**” has the meaning set forth in Section 11(b).

“**Installations**” shall mean the Customer’s natural gas equipment, system, instrumentation and infrastructures located at the Delivery Point and in which the LNG Tank is unloaded and stored.

“**Load**” shall mean a load of LNG Tank on a dual-axle or tri-axle truck.

“**LNG**” shall mean condensed natural gas in a liquid state cooled to a temperature of about –161 Celsius and at or near atmospheric pressure.

“**LNG Request**” has the meaning set forth in Section 6(c).

“**LNG Tank**” shall mean a cryogenic tank transported by Transporter in order to deliver LNG to Customer at the Delivery Point.

“**LSR Plant**” has the meaning set forth on page 1 of this Agreement.

“**MDQ**” has the meaning set forth in Section 3(a)(iii).

“**MMBtu**” shall mean million British thermal unit.

“**Non-Defaulting Party**” has the meaning set forth in Section 16(b)(i).

“**Party**” or “**Parties**” has the meaning set forth on page 1 of this Agreement.

“**Person**” shall mean a corporation, other corporate entity, partnership, association, Governmental Authority or natural person.

“**Price**” has the meaning set forth in Section 4.1.

“**Price for LNG Transportation**” has the meaning set forth in Section 4.1(c).

“**QST**” shall mean the Québec Sales Tax.

“**Régie**” shall mean the Régie de l’énergie du Québec or any successor thereto.

“**Receiving Party**” has the meaning set forth in Section 13(a).

“**TCPL**” shall mean TransCanada Pipelines Limited or any successor.

“**Transporter**” shall mean the transporter(s) appointed by GM LNG to deliver LNG to Customer.

List of Exhibits

Exhibit A – Measurement, Counting and Quality Procedures

Exhibit B – Material Safety Data Sheet

Exhibit C – Transportation Price

Exhibit D – Sworn Declarations with respect to CTEAS

Exhibit E – LNG Request and LNG Confirmation Forms

2. **Approvals; Delivery Term.**

- (a) Customer and GM LNG shall use reasonable efforts to obtain and maintain in force any Approvals which are required for the performance of this Agreement, and shall cooperate fully with each other whenever necessary for this purpose.
- (b) The “**Delivery Term**” shall begin on April 1st, 2022 and ends on November 30, 2022.

3. **Sale and Purchase of LNG:**

- (a) GM LNG shall sell and deliver to Customer at the Delivery Point(s) during the Delivery Term all of Customer’s requirements for LNG originating from GM LNG.
 - i. Customer shall purchase and receive from GM LNG, the LNG on DDP Incoterms® 2010 basis, at one of these locations as required by Customer (the “**Delivery Point**”):
 - a. 53 South County Trail, Exeter, RI
 - b. 121 Terminal Road, Providence, RI
 - ii. Moreover, LNG deliveries hereunder are further subject to a maximum contract quantity of 68,000 MMBTU (the “**CQ**”) and a maximum daily quantity (the “**MDQ**”) of up to and not to exceed eight (8) Loads of LNG per day, including the Loads to be delivered the same day pursuant to the Boston Gas Company Agreement.
- (b) Customer acknowledges that no LNG storage services are being provided under this Agreement.

(c) The transfer of proprietary right of the LNG will occur at the point at which the male LNG coupling of the LNG Tank joins the female LNG coupling of the Customer’s Installations at the Delivery Point(s). Title in respect of the LNG sold by GM LNG pursuant to this Agreement shall pass from GM LNG to Customer as the LNG passes this point.

4. Pricing and Taxes:

4.1 Price

Customer shall pay the “Commodity Charge”, the “Demand Charge” and the “Price for LNG Transportation” (collectively referred as the “Price”) to GM LNG.

(a) The “Commodity Charge” is the price that shall be paid by the Customer for each MMBtu delivered by GM LNG to the Delivery Point(s), which is composed of:

- i. [REDACTED]
- ii. [REDACTED]
- iii. [REDACTED]

(b) The “Demand Charge” is a fixed fee of [REDACTED] CAD payable in eight equal monthly installments of [REDACTED] CAD, which will be invoiced each month of the Delivery Term in accordance with Section 8.

If, due to its fault or an Event of Force Majeure affecting GM LNG, GM LNG fails to deliver a portion of the CQ that Customer has ordered to the Delivery Point(s), or that Customer can reasonably demonstrate would have ordered such portion of the CQ in accordance with this Agreement, [REDACTED]

[REDACTED] Customer shall offer reasonable opportunities to GM LNG to provide make-up deliveries.

(c) “Price for LNG Transportation” shall be composed of:

- i. The transportation fees set forth in Exhibit C based on the Transporter selected for a delivery by GM LNG.

ii. Any additional charges reasonably occurred as a result of route changes required by the DOT or other regulatory agencies will be billed to Customer in addition to the fixed transportation fee.

iii. [REDACTED]

(c) Currency Conversion Mechanism – GM LNG will send to Customer, on the first Business Day of each month, the Price of the LNG structure applicable for such month in \$CAD/MMBtu and \$USD/MMBtu. All amounts will be first calculated by GM LNG in Canadian Dollars and then converted into U.S. Dollars by applying the Bank of Canada CAD/USD exchange rate (expressed as the number of US Dollars required to buy one unit of Canadian Dollar) at 4:30 PM on the last Business Day of the preceding month, as published on the web site of the Bank of Canada. The USD/MMBtu Price of the LNG structure will be applicable for the entire month.

Any other amounts stipulated in this Contract in CAD and payable during the Delivery Term will be converted according to the above conversion mechanism.

4.2. General provision

(a) GM LNG shall not charge the GST, QST and the CTEAS to Customer provided that all the LNG purchased by Customer pursuant to this Agreement is consumed inside the United States of America.

Customer understands that GM LNG shall request a sworn declaration in the form of Exhibit D from an authorized signatory of Customer to certify that all the LNG delivered to Customer pursuant to this Agreement will be consumed inside the United States of America (this declaration having to be handed to GM LNG prior to the first delivery), and has been consumed inside the United States of America (this declaration having to be delivered to GM LNG no later than thirty (30) days after the end of the Delivery Term). Customer shall provide such sworn declarations, in the form attached in Exhibit D to this Agreement, in order to be exonerated from the obligation to pay the CTEAS price, the GST and the QST. If requested by a Governmental Authority, other documentation may be required from Customer to ensure that the CTEAS price, the GST and QST do not have to be invoiced to Customer.

The Parties specifically agree that they will respect all Applicable Laws and rules on such matters.

(b) When applicable, Customer shall be responsible for all taxes and charges associated with this Agreement and the deliveries of LNG

hereunder (other than customs duties), and any State sales or use taxes and any taxes, if any, save for any taxes or charges imposed solely on the existence of or income or profit to GM LNG. The Parties agree that they will respect all Applicable Laws and rules with respect to applicable taxes.

- (c) In the event that a change in Applicable Laws or the Tariff occurring after the Agreement Date materially and/or adversely affects the cost to GM LNG in delivering LNG hereunder, the Parties will engage in good faith negotiations to reduce or allocate between the Parties such increased costs.

5. **Warranty of Title and Quiet Possession.**

- (a) All LNG sold and delivered to Customer under this Agreement shall be free and clear of any mortgage, charge, pledge, hypothecation, lien, security interest, assignment, option, equity, execution, claim or other encumbrance of any kind or nature whatsoever, including any agreement to give any of the foregoing, whether or not registered or registrable or whether consensual or arising by operation of Applicable Law.
- (b) GM LNG represents and warrants to Customer that GM LNG:
 - i. is the lawful and beneficial owner of the LNG to be supplied under this Agreement, and that as such it has the right to sell such LNG, free from all claims and encumbrances; and
 - ii. has the full right to sell and dispose of the LNG to be supplied under this Agreement, and that the sale of the LNG to Customer will not contravene any Applicable Law binding on GM LNG, its organizational documents, nor any contract to which GM LNG is a party.
- (c) GM LNG covenants with Customer that Customer shall have quiet possession of the LNG to be supplied under this Agreement.

6. **Operation and Deliveries.**

- (a) The Parties shall coordinate their operational activities and communicate with each other to ensure the safe deliveries of LNG subject to any reasonable security precautions implemented at the Delivery Point by either Party.
- (b) Customer shall provide GM LNG, its contractors, Transporter and Transporter's agents, contractors and their respective employees with access to the Delivery Point(s) solely for the purpose of the delivery of the LNG.
- (c) Customer shall submit, by e-mail to addresses below, its request for LNG deliveries ("**LNG Request**") to GM LNG, on a Business Day between 7:00 a.m. and 4:00 p.m. Eastern Standard Time and at least seventy-two

(72) hours prior to the desired delivery time or scheduled delivery time of the delivery it wishes to cancel or move, whichever comes first; such requests shall specify the following information and any other information requested by GM LNG and be submitted to such person as will be prescribed by GM LNG from time to time:

- the Delivery Point;
- the date and time the LNG is to be delivered;
- the LNG quantity required, in terms of Loads of LNG.

Customer's failure to provide GM LNG with a timely LNG Request, GM LNG may decide, in its sole discretion, to refuse to sell and deliver the LNG requested in the LNG Request to Customer, which refusal shall not relieve Customer of its obligations to pay the Demand Charge.

All LNG Requests must be made by Customer by using the LNG Request Form set forth in Exhibit E and sent by email to: livraisons@gazmetrost.com

With a copy to:

Jean Marcoux
Director, Engineering,
operations and logistics
JMarcoux@gazmetrost.com

- (d) GM LNG will confirm Customer in writing the date, time and LNG quantity that GM LNG will deliver to Customer.
- (e) Customer shall be responsible for the unloading of the LNG in Customer's Installations. If Customer has an unloading procedure Customer shall provide it to GM LNG prior to the first delivery.
- (f) Prior to the first delivery and upon demand after, Customer shall allow a GM LNG technician (or a subcontractor) to visit the Installations of Customer and observe the unloading of the LNG.
- (g) Customer and GM LNG will work with the Transporter to establish a weekly delivery schedule.
- (h) Each unloading will be timed from the time that the LNG Truck passes through the front gate of the Delivery point to the point that the LNG Truck passes through the front gate to enter back onto the paved public road. It is understood that the Customer's Installations must be in a state to permit the safe unloading of the LNG into it at a normal pace without a significant and sustained increase in its pressure, in order to allow a full unload of the LNG Truck within two (2) hours. If as a result of Customer's breach of the terms of this Agreement or insufficient available storage capacity for the LNG quantity requested by Customer LNG Truck cannot be fully unloaded in the Installations during one delivery, GM LNG will be allowed to invoice to Customer the Price for the total quantity of LNG contained in said Load.

- (i) Notwithstanding any other provision of this Agreement, as between Customer and GM LNG, each party shall be solely liable for the fault, negligence, performance or non-performance of any of its subcontractors, agents or employees, and such subcontracting by a party shall in no way discharge or release such party from the full performance and observation of its responsibilities under this Agreement.
- (j) Customer hereby warrants and represents that, consistent with industry standards and Applicable Laws, the Customer's Installations are and shall remain fit for the safe handling and injection of LNG at atmospheric pressure and shall have its systems (including instrumentation) necessary for the safe handling and injection of LNG in good order and condition. Customer also warrants and represents that the Customer's Installations comply and shall continue to comply with, and be fully equipped, supplied, operated, and maintained to comply with, all Applicable Laws, including those that relate to design, safety, environmental protection, and other operational matters, and all procedures, permits, and approvals of Governmental Authorities that are required for the injection of LNG.

7. Storage and Handling of LNG.

- (a) In fulfilling their obligations under this Agreement, GM LNG and Customer shall comply fully with all Applicable Laws.
- (b) Both Parties shall ensure that, at all times during the term of this Agreement, each employee and contractor engaged for the purposes of handling, loading or unloading the LNG:
 - i. has been properly screened and poses no known security risk to any of the Parties; and
 - ii. has received adequate training in the handling, storage and unloading of LNG.
- (c) Where applicable, GM LNG will provide an approved emergency response plan ("**ERP**") in compliance with all Applicable Laws, and shall self-provide or retain the services of a supplier who shall provide the services of emergency response in compliance with all Applicable Laws.
- (d) Prior to the deliveries, GM LNG may require to inspect the Customer's Installations at the Delivery Point for security or compliance purposes. GM LNG shall have no duty to do such inspection nor to confirm compliance of the Installations at Delivery Point with the requirements hereunder or under Applicable Law. At any time, at its sole discretion, GM LNG may suspend this Agreement if the Customer's Installations present, in the reasonable opinion of GM LNG, any risk to human safety or to the environment. GM LNG shall notify as soon as possible Customer of any such suspension.

8. Billing and Payment.

(a) Following the end of a month during which a LNG delivery has occurred, GM LNG shall deliver to Customer an invoice showing:

- i. the total quantity of LNG delivered to Customer during the preceding month;
- ii. the number of Loads,
- iii. the Price;

together with reasonable supporting detail including but not limited to any bill of lading, customs and import paperwork associated with the LNG.

(b) Customer shall pay to GM LNG the full undisputed amount indicated on each invoice, by way of an electronic transfer of funds in accordance with the instructions set out on the invoice, the whole within twenty (20) calendar days from the invoice date.

If Customer disputes the amount of an invoice in good faith, it shall nevertheless pay the undisputed portion of the invoice within the above-noted time period, and promptly provide an explanation to support the amount disputed. Disputed amounts that are ultimately determined to be payable by Customer to GM LNG shall be paid with interest accrued at the interest rate described below in paragraph (d), from the date of payment through the date of refund or payment. Customer may, in good faith, dispute the correctness of any invoice or any adjustment to an invoice rendered under this Agreement upon Notice in writing to GM LNG within twelve (12) months of the date the invoice or adjustment to an invoice was rendered.

(c) All payments under this Agreement will be in US Dollars.

(d) If a Party fails to pay any amount payable when due, interest on the unpaid portion shall accrue from the date due until the date of payment at a rate equal to the lower of: (i) the then effective prime lending rate of interest established from time to time by the National Bank of Canada for loans to commercial customers, plus three percent (3%) per annum from the date due until the date of payment, or (ii) the maximum applicable lawful interest rate.

(e) In any action to collect any amount due under this Agreement, the prevailing Party shall be entitled to recover its legal fees and collection costs as determined by a court of competent jurisdiction.

(f) If Customer fails to pay an invoice in accordance with paragraph 8(b), GM LNG may, at its sole discretion, elect to request pre-payment for all future deliveries of LNG during the Delivery Term.

If so, every month during the Delivery Term, GM LNG shall deliver to Customer an invoice showing the estimated quantity of LNG that will be delivered to Customer during the next month, and the Price estimate in connection with such LNG together with reasonable supporting detail.

Customer shall pay to GM LNG the full amount indicated on this invoice, by way of an electronic transfer of funds in accordance with the instructions set out on the invoice, at the latest five (5) calendar days before the commencement of the next month. If Customer fails to comply with this pre-payment requirement, GM LNG may suspend deliveries of LNG in accordance with Section 16(a), provided that the notice and cure period set forth in that section shall not be required.

Following the end of each month, GM LNG will deliver to Customer a true-up invoice with respect to any amounts or credit owing from or to Customer in order to adjust the initial invoice with the exact Price for the LNG delivered during the month, together with reasonable supporting detail.

GM LNG shall have no obligation to deliver LNG during a month if pre-payment for such month is not received in accordance with this section.

9. **Measurement, counting and quality procedures.**

- (a) The Material Safety Data Sheet of the LNG is attached in Exhibit B to this Agreement.
- (b) The LSR Plant receives its gas from TCPL transportation network. GM LNG makes no other representation or warranty with respect to the compatibility of LNG delivered hereunder with any receiving facilities.
- (c) The Parties agree that the quantity of each shipment of LNG delivered under this Agreement will be established through the increase in weight in kg of the LNG Tank between the beginning of the loading and its end at LSR Plant. The weight of the LNG delivered will be used to determine the quantity of LNG sold and delivered with each loading.
- (d) GM LNG will measure the energy content and the density of the LNG in its tanks at the LSR Plant at or near the flange coupling of the LNG Loading line in accordance with Exhibit A.
- (e) Any measurement procedure of the quantity of LNG and its energy content at another plant than the LSR Plant shall be approved by the Customer before any deliveries of LNG are made from such plant. Such approval may not be unreasonably delayed or withheld.

10. **Indemnities: Liabilities.**

- (a) A Party (a “**Defaulting Party**”) shall indemnify and hold harmless the other Party (the “**Indemnified Party**”) from and against any and all damages,

debts, obligations, losses and expenses incurred by the Indemnified Party and that are directly arising out of, resulting from or attributable to the fault, negligence or faulty omission of the Defaulting Party.

- (b) Neither Party shall be liable to the other Party for or in respect of any indirect, incidental or consequential losses, including any loss of income or profits or revenues, loss of goodwill or production, or business interruption damages. The Parties recognize that all amounts claimed to Customer arising out of its obligation relating to the Demand Charge shall not be affected by this paragraph.
- (c) In the event GM LNG fails to deliver to Customer at the Delivery Point all or part of the quantities that have been ordered by Customer or are required to be delivered by GM LNG under this Agreement other than due to Force Majeure or Customer's breach of this Agreement, GM LNG undertakes in this case to take reasonable measures to schedule a delivery for Customer, subject to Customer's consent, which consent shall not be unreasonably conditioned, denied or delayed. For the quantity of LNG that the Customer will not have been able to receive due to GM LNG's default, GM LNG's liability to Customer shall be limited to Customer's actual, direct damages in respect of such failed or delayed delivery, not to exceed fifty (50) percent of the Commodity Charge of the quantity that GM LNG failed to deliver. Both Parties shall use reasonable efforts to minimize such damages.

For clarity purposes, credit paid by GM LNG to Customer under the Demand Charge crediting mechanism set forth in Section 4.1(b) of this Agreement does not reduce the maximum liability of GM LNG under this Section 10.

- (d) Except for warranties of title, liens and encumbrances, and subject to the provisions of this Agreement concerning the quality of LNG to be delivered under this Agreement, GM LNG expressly negates any warranty with respect to LNG delivered under this Agreement, written or oral, express or implied, including any warranty with respect to conformity to samples, merchantability or fitness for any particular purpose.

11. **Insurance.**

(a) [REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

- (d) GM LNG shall also cause Transporter to cause all its subcontractors to procure and maintain in full force and effect throughout the Delivery Term, in addition to all other insurance coverages required by Applicable Laws, the same coverage listed above.
- (e) Upon request by GM LNG, Customer shall provide a memorandum of insurance evidencing its own insurance policies in place. In no event shall Customer be required to name GM LNG on its insurance policy.

12. **Notices:** Notices may be transmitted electronically, by email or in writing. Notices in writing under this Agreement will be considered as having been delivered to the receiving Party upon the business day following the mailing thereof to such other Party by registered mail, postage prepaid, to the address set forth below, or to such other address as such Party may furnish to the other Party from time to time:

in the case of Customer, to this address:

The Narragansett Electric Company
 100 East Old Country Road
 Hicksville, NY 11801
 Attn: Samara Jaffe
 Director, Gas Contracts, Compliance & Hedging
 Samara.jaffe@nationalgrid.com

In the case of GM LNG, to this address for all notices to the attention of Jonathan Carroll:

Jonathan Carroll
 Director, LNG Market
 Development - USA
jonathan.carroll@energir.com

with a copy to this address:

Assistant Vice President, Legal Affairs
1717 du Havre Street
Montréal, QC, Canada, H2K 2X3

Email: legal@energir.com

13. **Confidential Information.**

- (a) Definition of Confidential Information. For the purposes of this Agreement, the term “**Confidential Information**” shall include, but not be limited to, management, operational, product, technical, or commercial information, trade secrets, know-how, designs, formulations, ingredients, samples, processes, machines, equipment, approvals, processing and control information, product performance data, manuals, supplier lists, customer lists and market information, purchase and sales records, computer programs or systems, financial, marketing; provided such information is or has been (i) disclosed by one Party (the “**Disclosing Party**”) to the other Party (the “**Receiving Party**”) in writing, including by email or other tangible electronic storage medium or (ii) initially disclosed orally or visually, and then followed within thirty (30) days thereafter with a disclosure complying with the requirements of clause (i) above.
- (b) Sharing Confidential Information. The Parties shall disclose to each other such Confidential Information as is reasonably necessary to fulfill their respective obligations under this Agreement. Any Confidential Information disclosed by a Disclosing Party hereunder may be used by the Receiving Party only for the purposes of this Agreement and not for any other purpose.
- (c) Duty to Maintain Confidentiality. Except as otherwise specifically set forth herein, the Parties shall keep confidential (and shall ensure that its employees, agents and consultants keep confidential) any and all Confidential Information and any information concerning this Agreement or the proposed activities set forth herein, and shall not disclose such Confidential Information or any information concerning this Agreement or the activities or proposed activities set forth herein to any person without the prior written consent of the Disclosing Party. Notwithstanding the foregoing, either Party may disclose to its affiliates, employees, agents and consultants (collectively, “Representatives”) Confidential Information to the extent necessary for the fulfillment of its obligations under this Agreement, provided that it shall bind such personnel and other third parties with a similar undertaking of confidentiality in writing. The provisions of this section 13(c) shall not apply to any Confidential Information or any information concerning this Agreement or the activities or proposed activities set forth herein which:

- i. is publicly available at the time of disclosure or which subsequently becomes publicly available other than by breach of this Agreement by the Receiving Party;
 - ii. is already known to the Receiving Party at the time of its disclosure by the Disclosing Party, or becomes known through no wrongful act of the Receiving Party and, in either case, was not otherwise communicated by the Receiving Party;
 - iii. is independently developed by the Receiving Party and not based on any Confidential Information;
 - iv. subsequently and lawfully comes into the Receiving Party's possession from an independent third party who did not receive the Confidential Information, directly or indirectly, from the Disclosing Party; or
 - v. is disclosed to Governmental Authorities or to courts pursuant to Applicable Laws.
- (d) Publicity. Neither Party shall (i) publicly associate the other Party with the activities contemplated by this Agreement or (ii) issue any press release regarding this Agreement or the subject matter hereof, without the other Party's prior written consent.

14. **Force Majeure.**

- (a) In this Section 14, the following terms and expressions shall have the following meaning:
- i. **"Affected Party"** means the Party who is unable to perform its obligations hereunder.
 - ii. **"Force Majeure"** or **"Event of Force Majeure"** means any act, event, cause or condition that prevents a Party from performing its obligations hereunder, that is beyond the Affected Party's reasonable control, was not reasonably foreseeable at the time the Parties entered into this Agreement, and that is not caused by such Party's fault or negligence. Notwithstanding anything to the contrary, Force majeure includes but is not limited to, acts of God, strike, lockout or other industrial disturbance, act of a public enemy, war, blockade, insurrection, riot, epidemic, landslide, earthquake, flood, washout, civil disturbance, explosion, fire, a terrorist act, breakage or accidents to machinery or lines of pipe, all of which directly impact operations at the LSR Plant or Delivery Point, the necessity for making repairs or alterations to such machinery or lines of pipe, unplanned outages at the LSR Plant, force majeure on the Transporter or of any third party providing transportation service of gas or LNG to or for GM LNG, any laws, orders, rules, regulations, acts or restraints of any Governmental Authority including the Régie, civil or military affecting

GM LNG or any third party supplier with which GM LNG has contracted.

- (b) In respect of any incident as a result of which any Party is rendered incapable, in whole or in part by a "Force Majeure", of performing or complying with any obligation or condition of this Agreement then, subject to the provisions contained in this Section 14, the obligations of both Parties so far as they are directly related to or affected by such Force Majeure, shall be suspended during the continuance of the Force Majeure provided that the Affected Party shall:
- i. forthwith give notice to the other Party of the occurrence of an Event of Force Majeure and its expected duration;
 - ii. use commercially reasonable efforts to eliminate or mitigate the impacts of such Event of Force Majeure;
 - iii. forthwith give notice to the other Party when such Event of Force Majeure has been eliminated or has ceased to prevent the Affected Party from fulfilling its obligation hereunder; and
 - iv. proceed to fulfill such obligations as soon as reasonably possible after such Event of Force Majeure has been eliminated or has ceased to prevent the Affected Party from fulfilling such obligations.
- (c) An Affected Party shall not be entitled to the relief of performance provided hereunder, if:
- i. the Affected Party's inability to perform the obligation was caused by its lack of finances;
 - ii. the Affected Party's inability to perform the obligation was the result of its pursuing alternative market opportunities;
 - iii. the Affected Party's inability to perform the obligation was caused by its deliberate act or inaction; or
 - iv. the Affected Party failed to comply with subsection 14(b), above, with respect to the notification obligation.
- (d) If an Event of Force Majeure results in the reduction or suspension of operation of the liquefaction or loading facilities at the LSR Plant, GM LNG shall use commercially reasonable efforts to allocate any remaining liquefaction capacity ratably between Customer and its other customers based upon their respective firm delivery quantities. GM LNG shall have no obligation to procure LNG from another plant that it does not own.
- (e) If an Event of Force Majeure affecting the Customer affects the ability of Customer to take delivery, GM LNG shall use commercially reasonable efforts to schedule another delivery. Unless otherwise contemplated by Section 4.1(b) of this Agreement, notwithstanding any Event of Force

Majeure affecting Customer, Customer shall not be relieved of its obligation to pay the Demand Charge in full.

15. **Independent Contractor:** Each Party will perform its obligations under this Agreement as an independent contractor and will have exclusive control and direction of the employees engaged in the fulfillment of such obligations.
16. **Suspension and Termination:**
 - a. If Customer fails to fulfill any of its material obligations hereunder, GM LNG may suspend or limit the LNG deliveries to Customer if the default has not been cured within a five (5) days delay following the issuance by GM LNG of a notice to that effect to Customer.
 - b. This Agreement can be terminated by either Party in the following situations:
 - i. at the election of a Party (the “**Non Defaulting Party**”) in case the other Party fails to fulfill any of its material obligations hereunder and does not cure it within thirty (30) days delay following the issuance of a written notice to that effect from the Non Defaulting Party to the Defaulting Party;
 - ii. at the election of either Party, if an Event of Force Majeure lasts for thirty (30) or more consecutive days, immediately upon written notice to the other Party;
 - c. This Agreement shall automatically terminate if proceedings involving a Party are taken under any law concerning insolvency, bankruptcy, sequestration, reorganization, arrangement, dissolution, liquidation or under any other similar law, or if the assets of the Party are subject to a liquidation or assignment for the benefit of its creditors.
17. **Survival.** Notwithstanding anything else contained in this Agreement, the obligation of either Party to make payment under this Agreement and the provisions of Sections 8, 10, 11, 13, 17 and 18 shall survive the termination of this Agreement.
18. **Governing Law; Jurisdiction:** This Agreement will be construed and interpreted according to the laws and regulations of the State of New York. Any disputes arising out of or related to this Agreement shall be subject to the exclusive jurisdiction of the judicial courts sitting in New York. The Parties expressly waive the application of the United Nations Convention on international contracts for the sale of goods concluded in Vienna (Austria) on April 11, 1980.
19. **Entire Agreement:** This Agreement exclusively and completely states the rights and obligations of the Parties with respect to the subject matter hereof, and supersedes all prior and other agreements, understandings, representations and warranties, whether oral or written, with respect to the subject matter hereof. The preamble and the Exhibits form an integral part of this Agreement.
20. **No Violation of Other Agreements:** Each Party hereby represents and warrants to the other Party that neither: (a) its entering into of this Agreement, nor (b) its

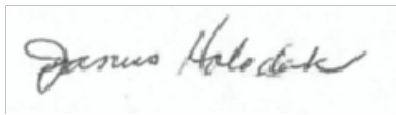
carrying out of the provisions of this Agreement, will violate any other agreement (oral or written) to which it is a Party or by which it is bound.

21. **Modification and Waiver:** No modifications and no waiver of any of this Agreement's terms, conditions or provisions will be valid or binding unless in writing duly signed by authorized officers of both Parties.
22. **Application and Assignment:** This Agreement shall be binding upon and inure to the benefit of the successors, assigns, personal representatives, and heirs of the respective Parties hereto, and the covenants, conditions, rights and obligations of this Agreement shall run for the full Delivery Term. No Party may assign or transfer this Agreement, in whole or in part, without the prior written consent of the other Party, except that either Party may assign this Agreement to an Affiliate. Any permitted assignment by a Party hereunder shall not relieve such Party of its obligations under this Agreement.
23. **Counterparts:** This Agreement may be executed in any number of counterparts, and such counterparts executed and delivered, each as an original, shall constitute one and the same instrument.
24. **Delivery by Fax or Email:** Any Party may deliver an executed copy of this Agreement by fax or email, and such delivery shall be valid and effective, but upon request by any other Party, the delivering Party shall immediately deliver to the other Party an original, executed copy of the Agreement.
25. **Severability and Construction:** To the extent that any portion of any provision of this Agreement shall be invalid or unenforceable, it shall be considered deleted herefrom and the remainder of such provision and of this Agreement shall be unaffected and shall continue in full force and effect. All section headings are inserted for convenience only and shall not affect any construction or interpretation of this Agreement.
26. **Commercial Reasonableness:** All rights, duties and obligations arising under this Agreement shall be exercised and discharged in good faith and in a commercially reasonable manner.
27. **Due Authority:** Each Party to this Agreement represents and warrants that it has full and complete authority to enter into and perform this Agreement. Each person who executes this Agreement on behalf of either Party represents and warrants that it has full and complete authority to do so and that such Party will be bound thereby.
28. **Language of Contract:** *Les Parties ont convenu que la langue du contrat serait l'anglais.* The Parties have agreed to adopt English as the language of this Agreement.
29. **Conflicts:** In the event of any conflicts or inconsistencies between the DDP Incoterms® 2010 and this Agreement, this Agreement shall prevail.

(signatures appear on the next page)

IN WITNESS WHEREOF the Parties hereto have signed this Agreement through their duly authorized representatives to be effective as of the Contract Date set forth above.

THE NARRAGANSETT ELECTRIC COMPANY



By: _____

James G. Holodak, Jr.
Vice President

GAZ MÉTRO LNG, L.P., by its general partner, Gaz Métro LNG Inc.



By: _____

Étienne Champagne, President

JLS

604-00045

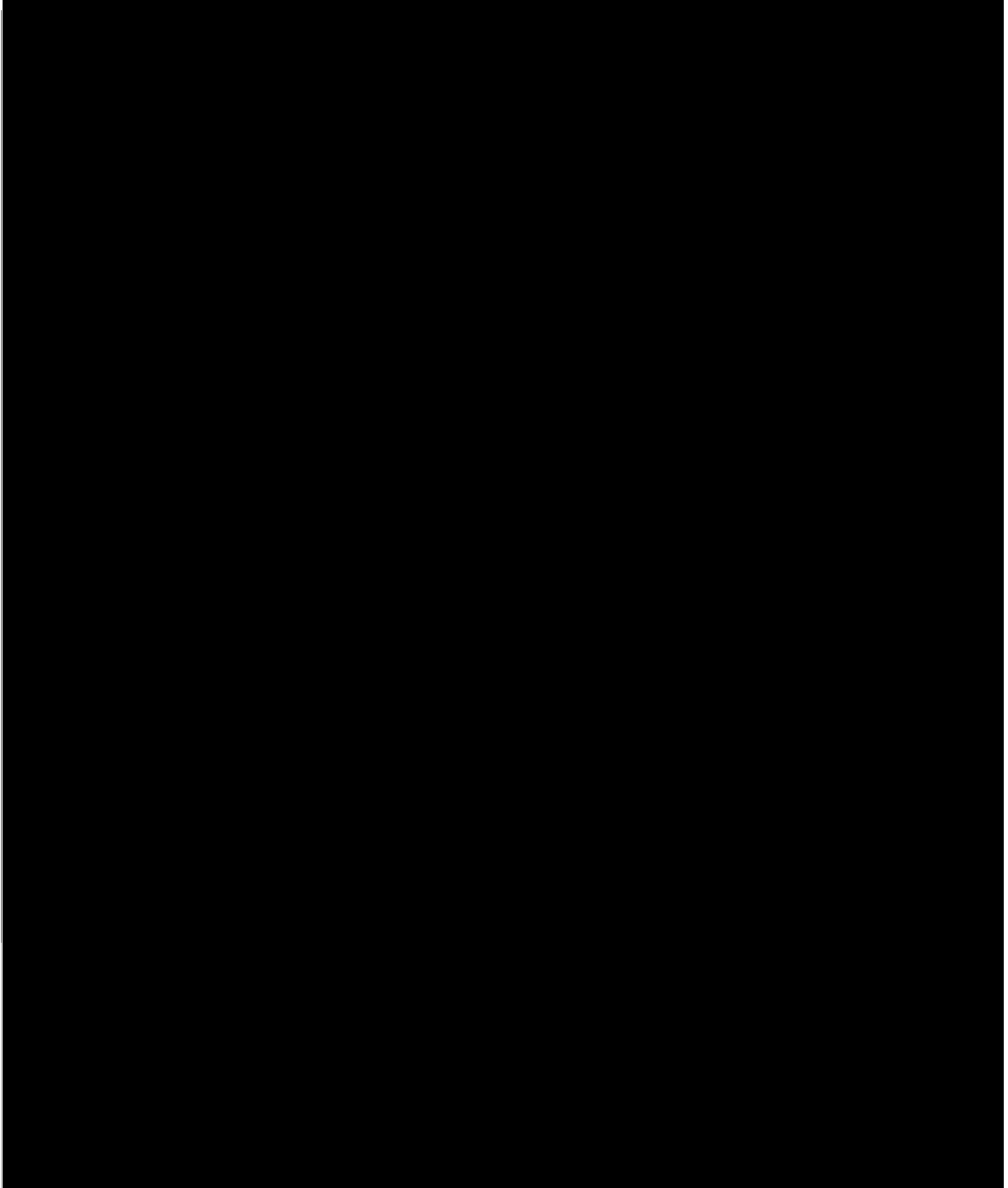


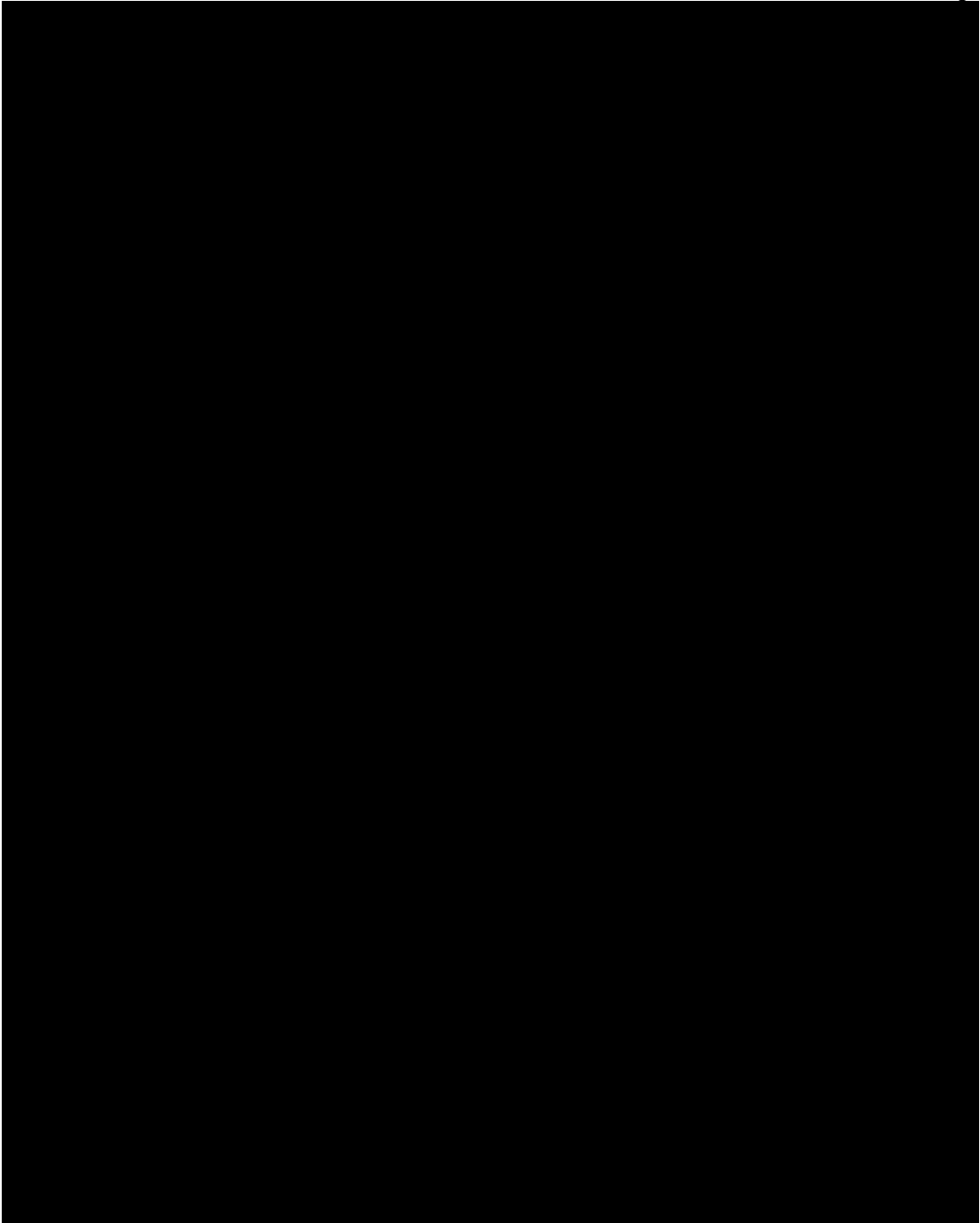
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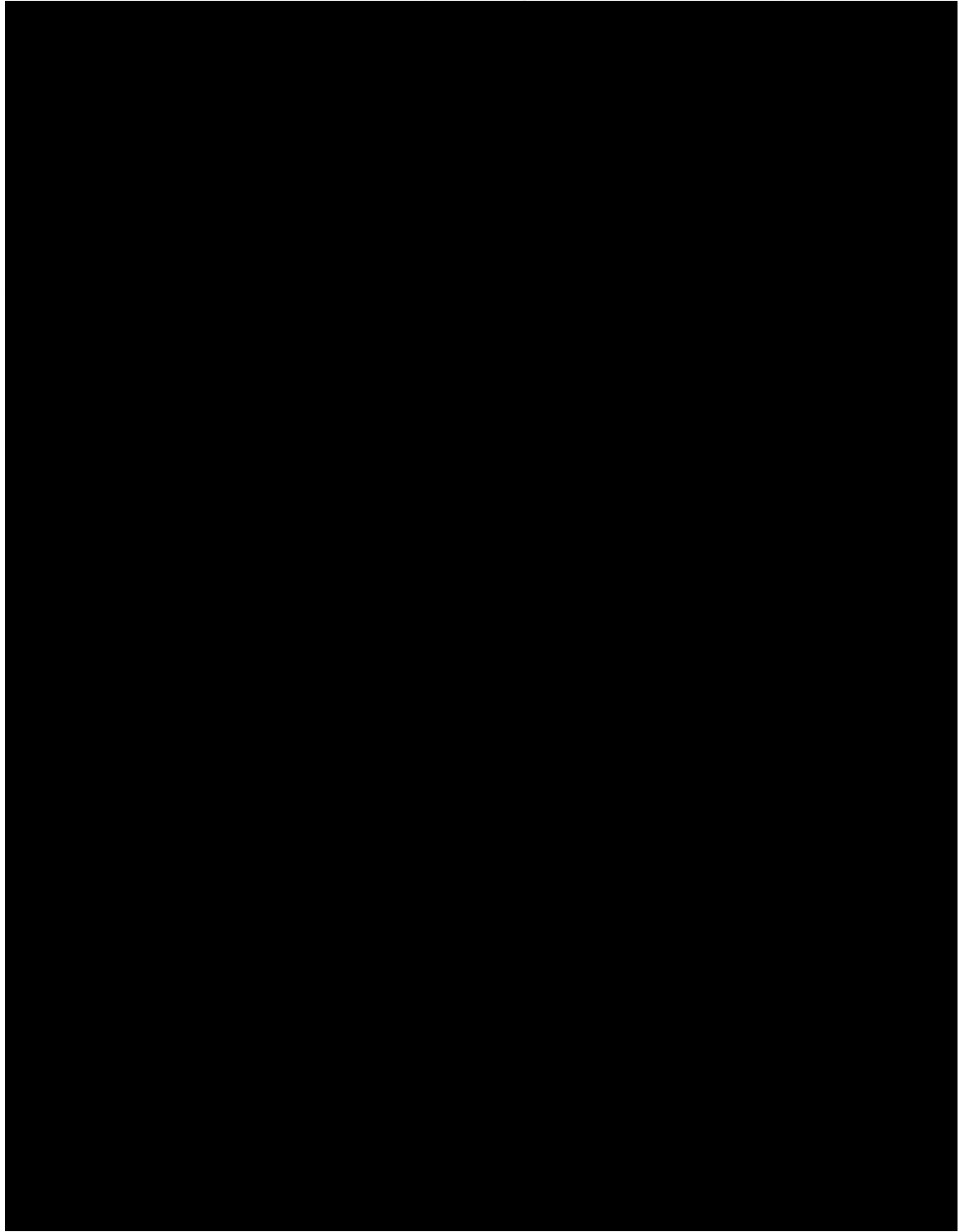
Denise Dériger, Corporate Secretary

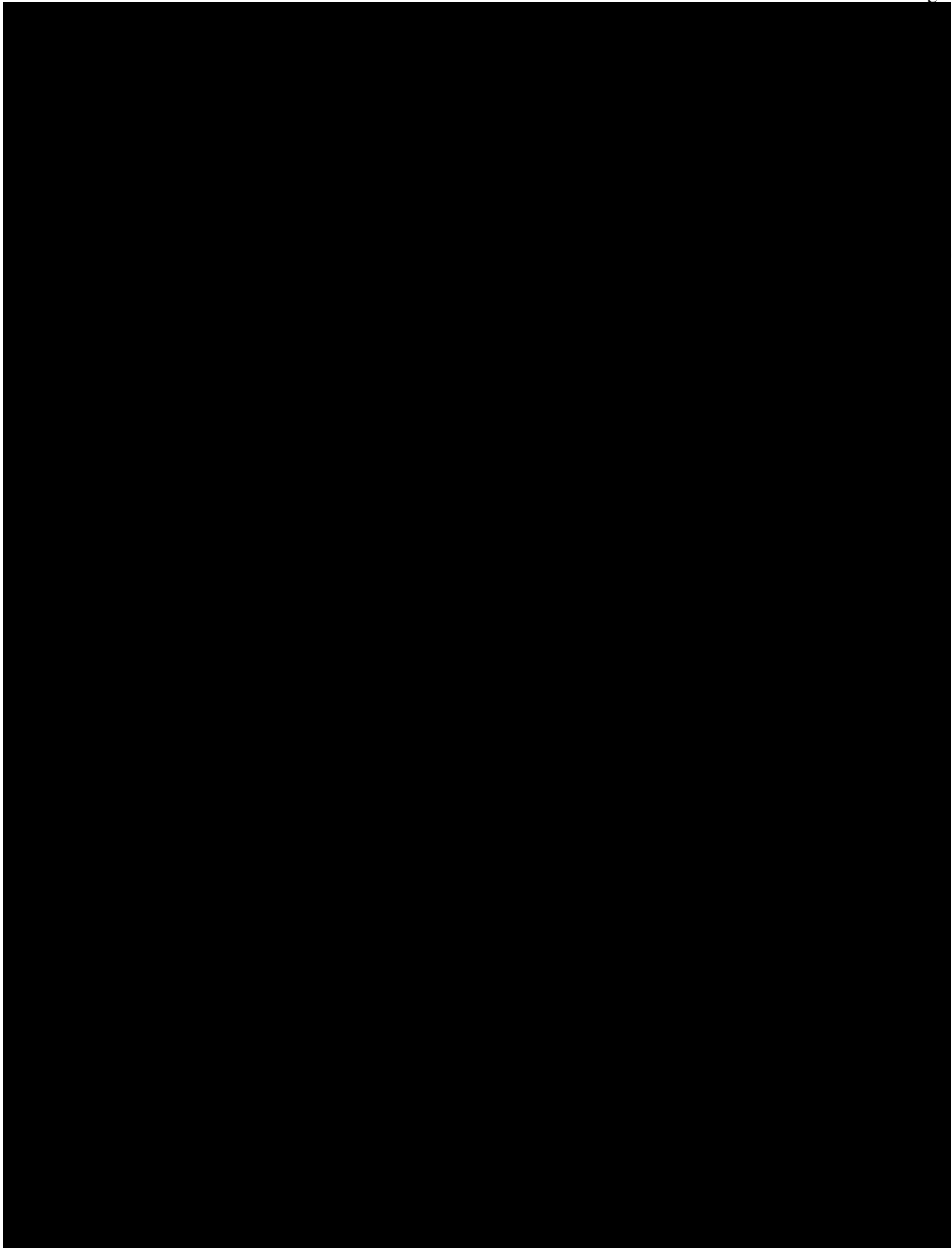
EXHIBIT "A"

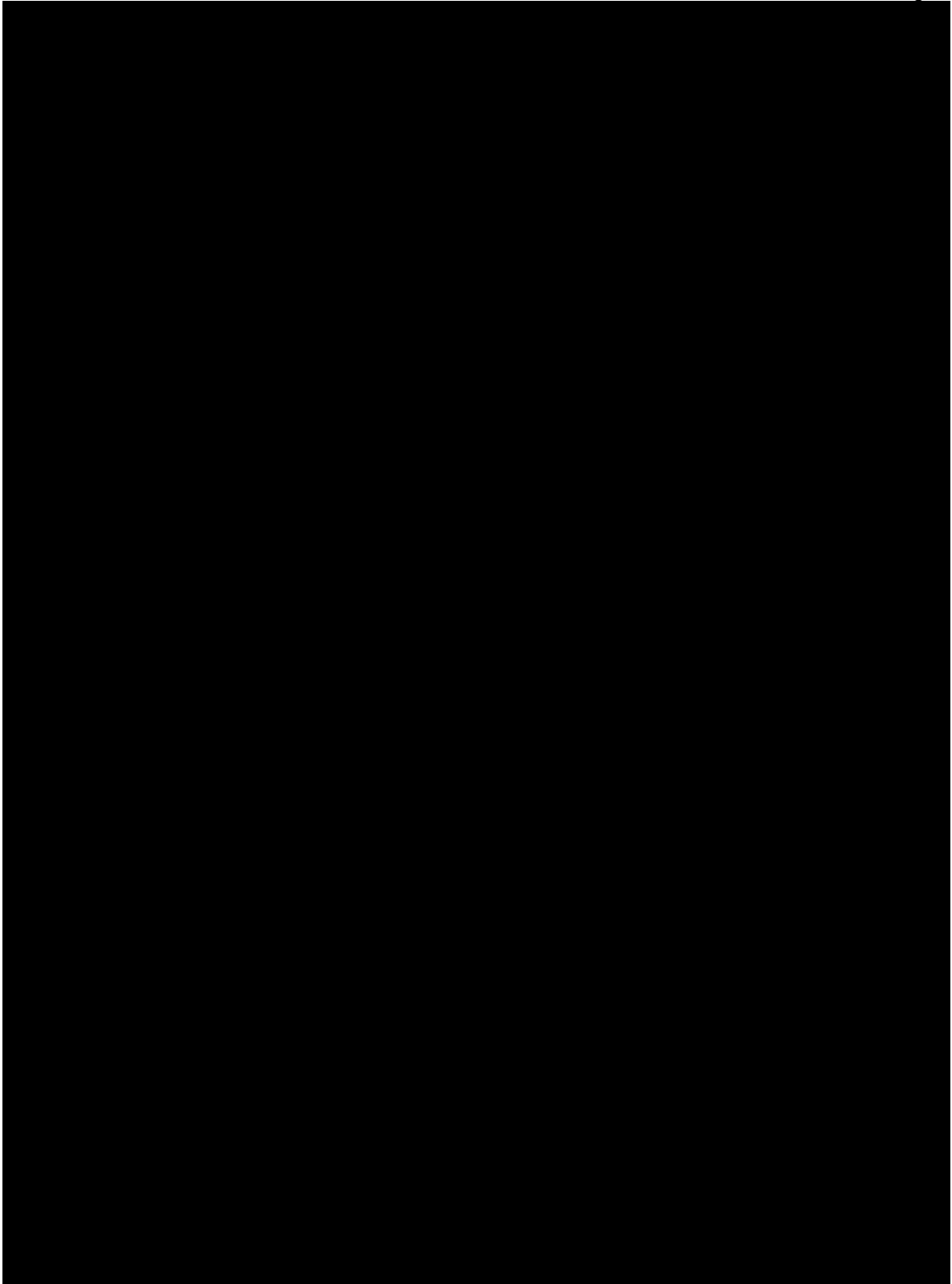
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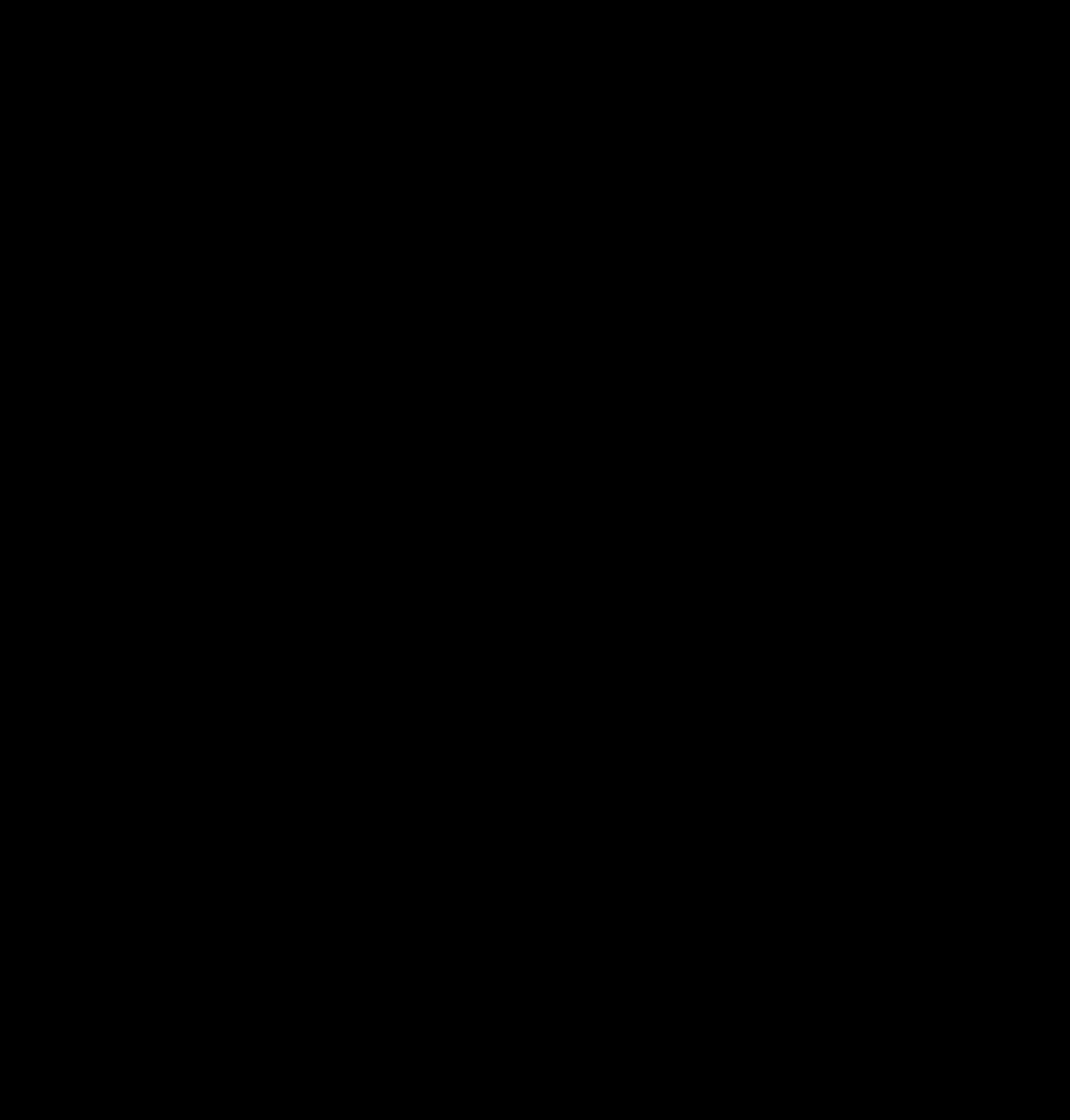


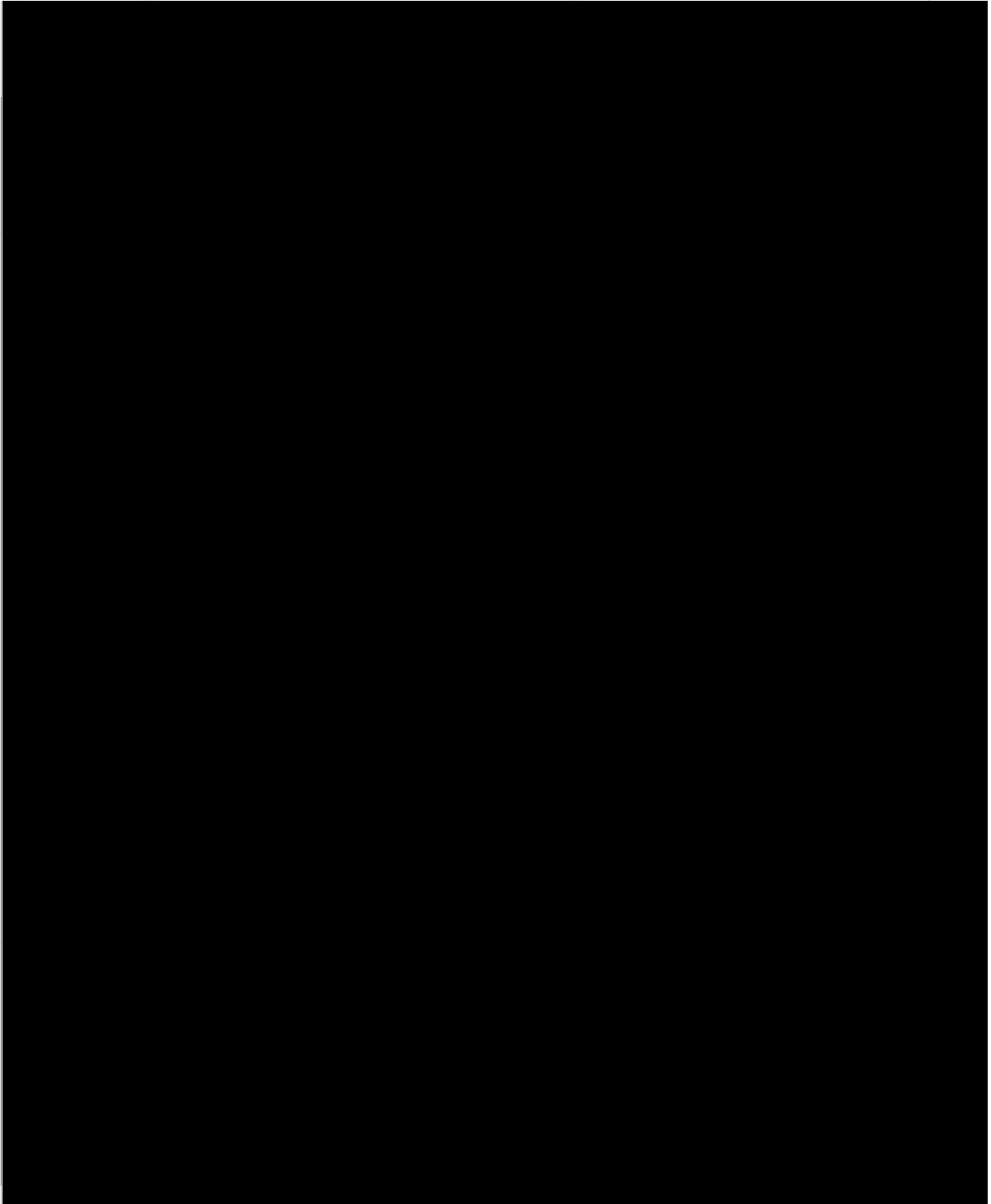


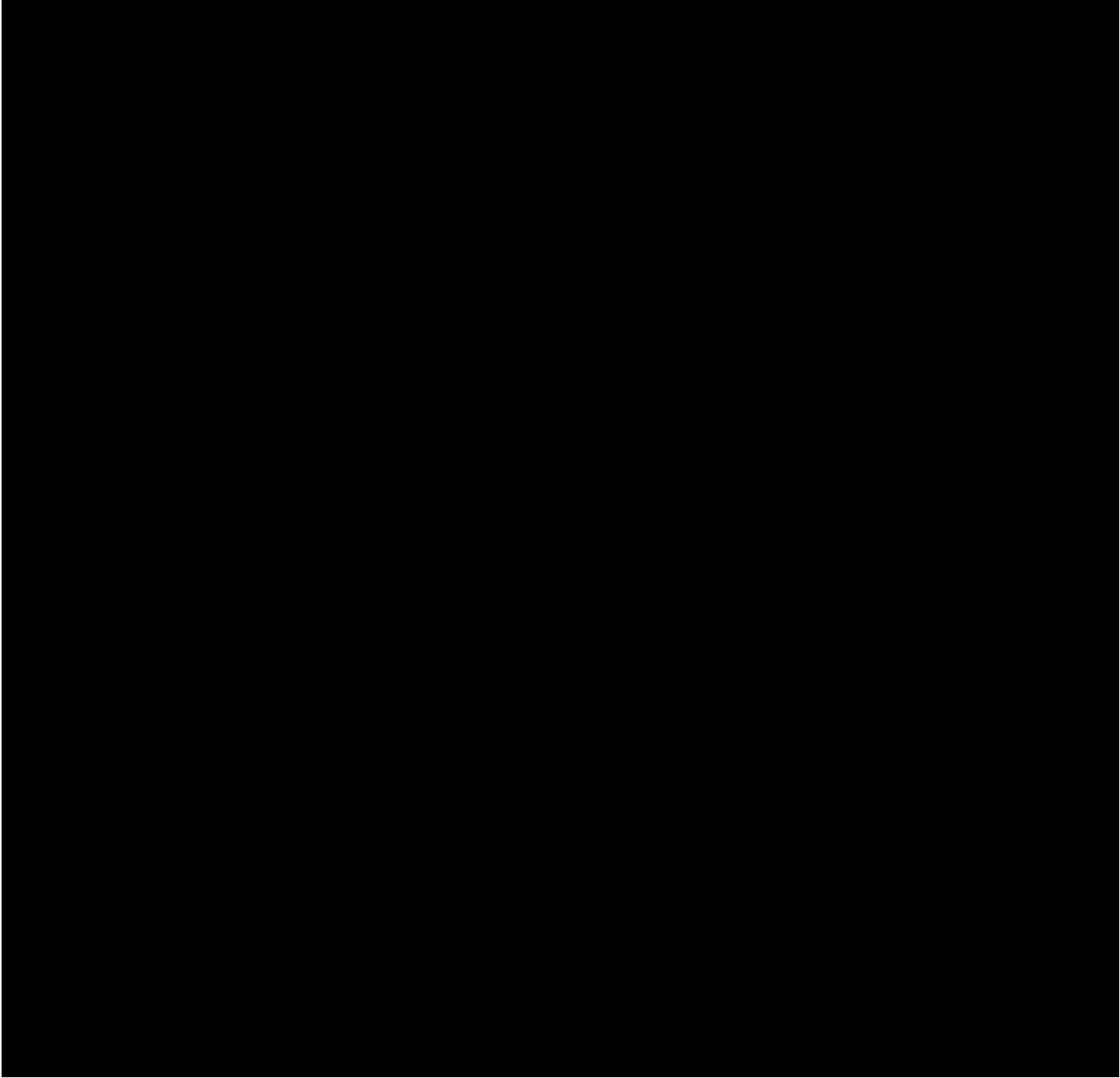




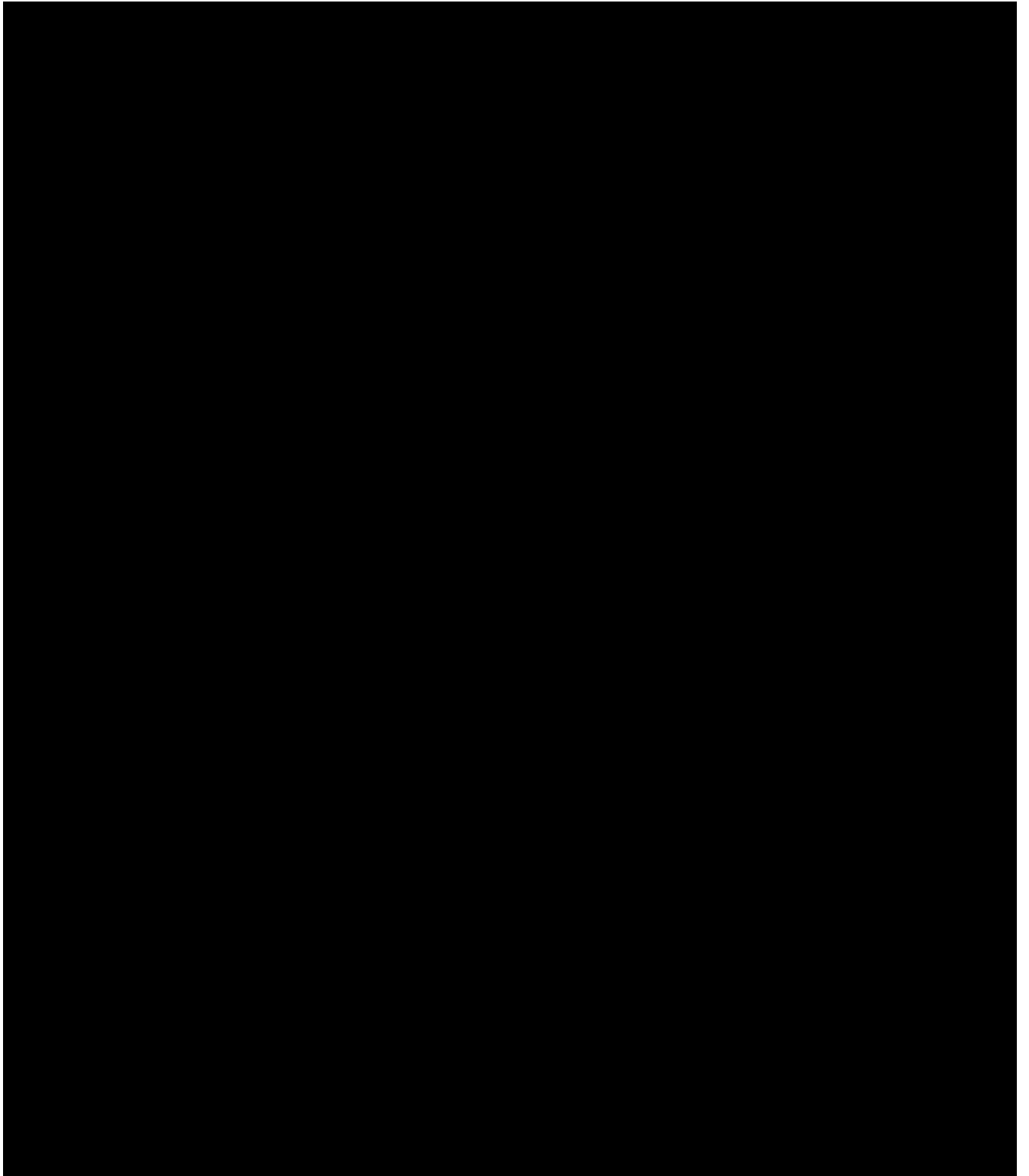


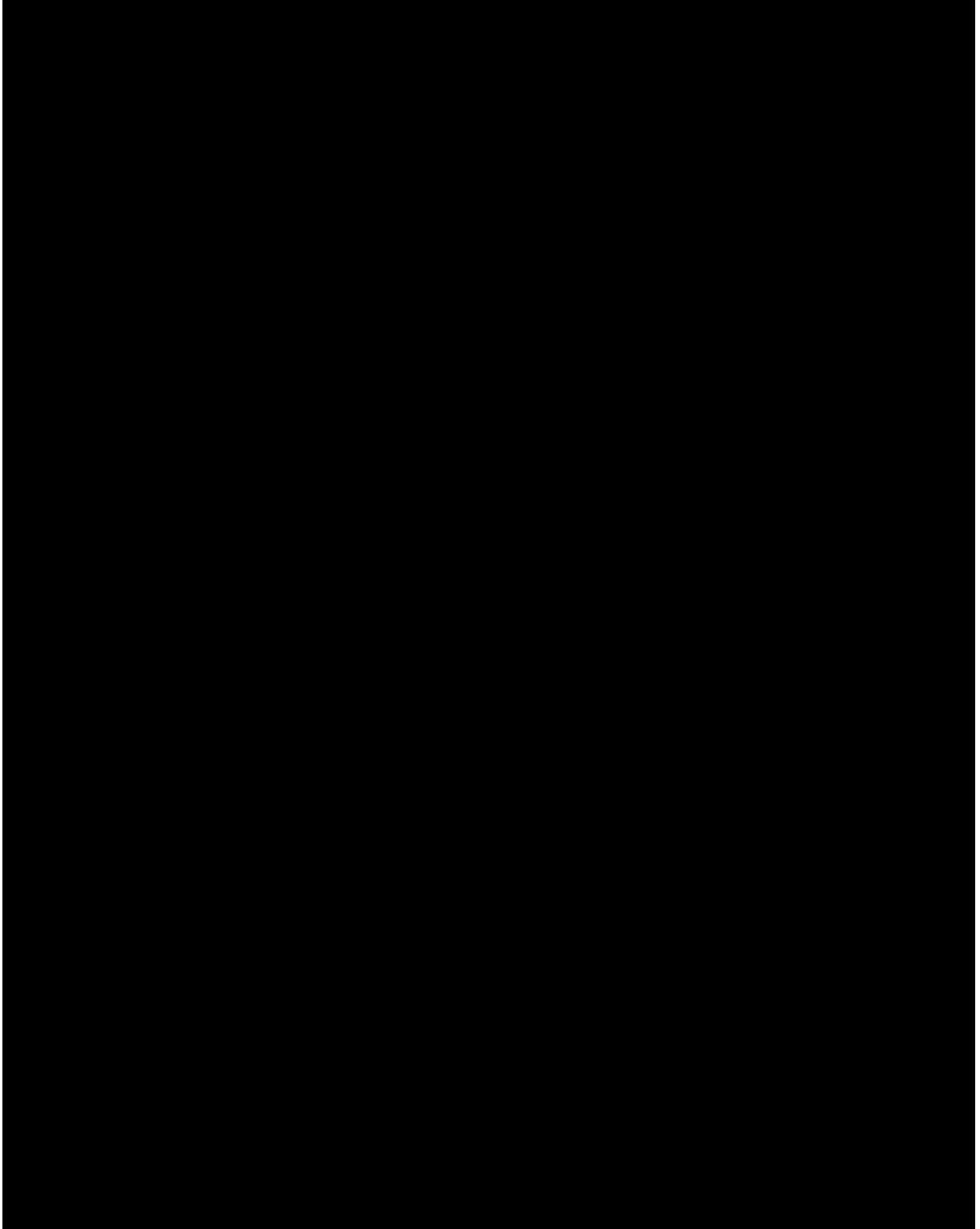






Page 4 sur 7





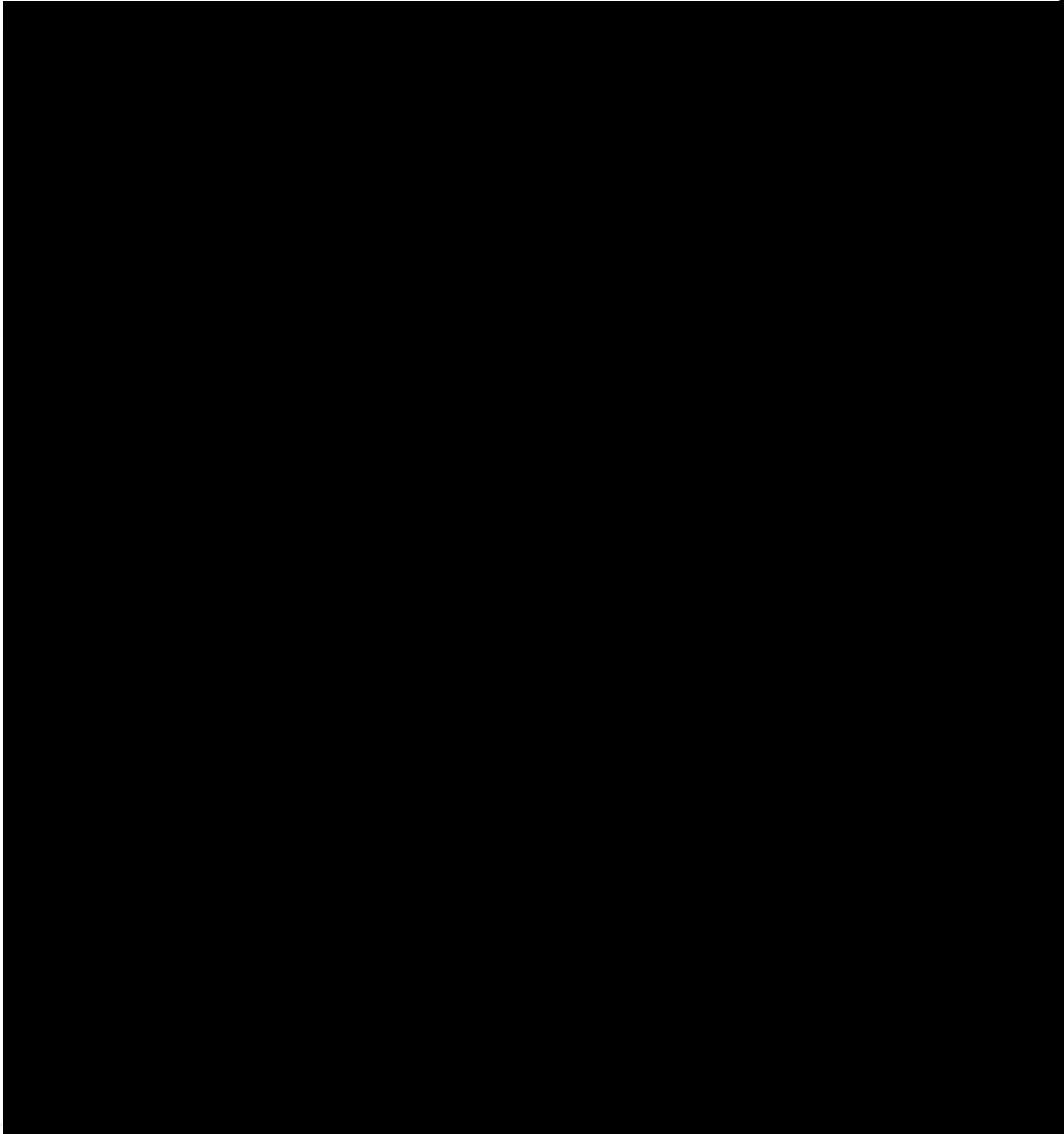
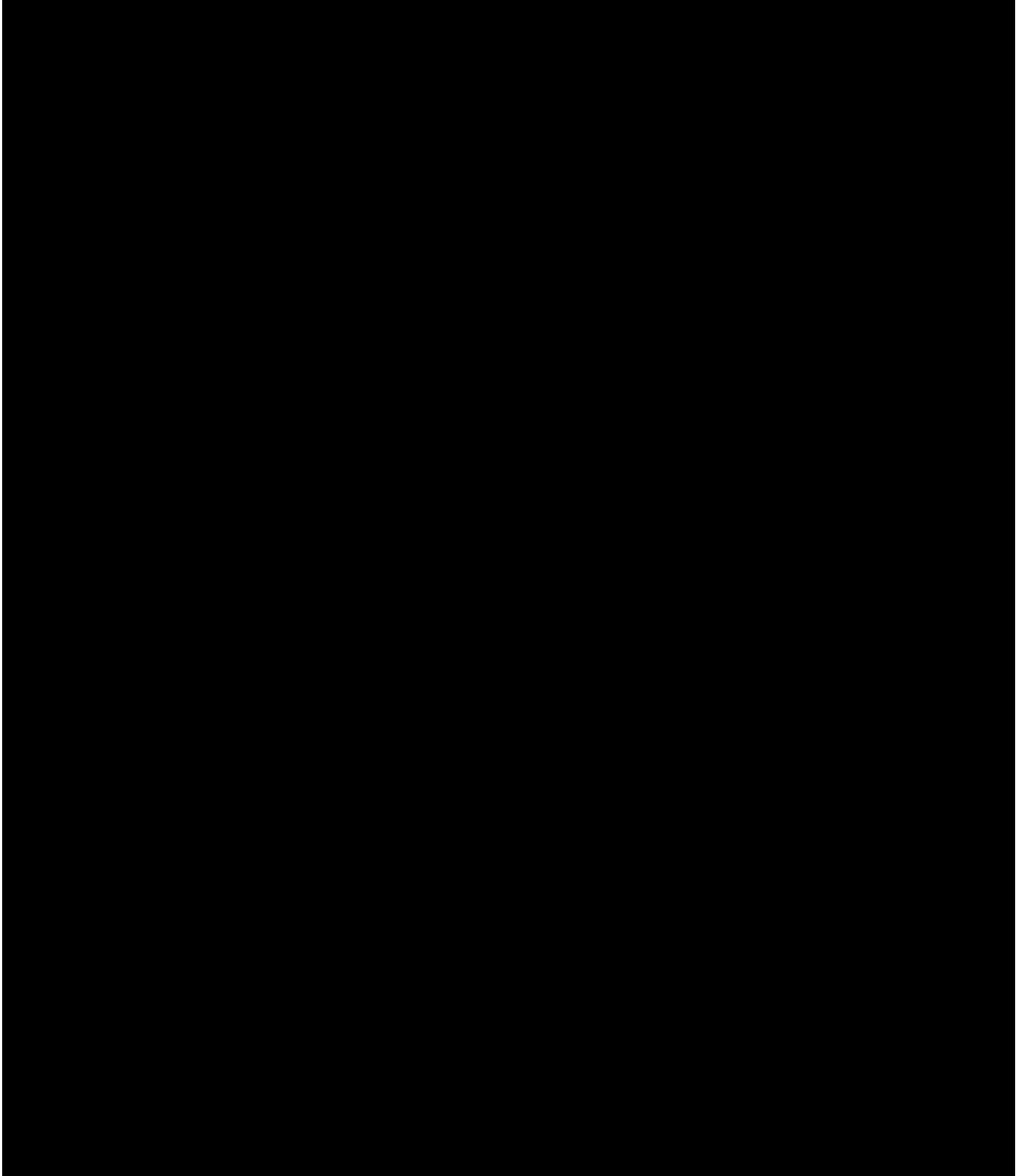


EXHIBIT "C"
Transportation Price



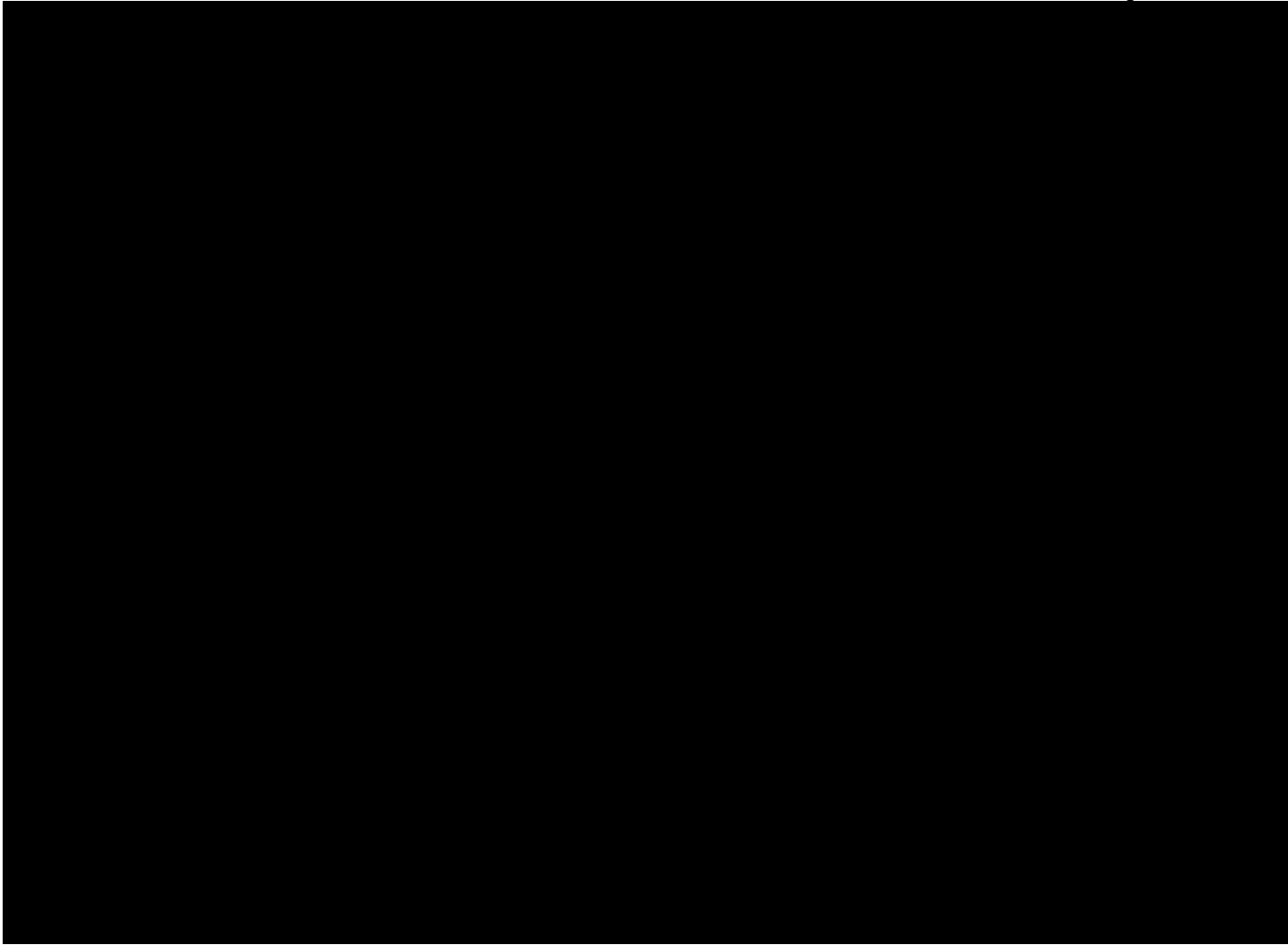


EXHIBIT "D"

Sworn Declarations with respect to CTEAS

AFFIDAVIT

- I, [name] of [city] the state of [state], U.S.A., make oath and say as follows:
1. I, [complete name] am the [title], of the [name of the Customer], a [company or municipal corporation] organized under the laws of the State of [state] (the "Company") have personal knowledge of the matters hereinafter set forth.
 - (a) The Company is a customer of Gaz Métro LNG, L.P. ;
 - (b) For the period starting from DD-MM-YY until DD-MM-YY (the "Term"), the Company will buy from Gaz Métro LNG, L.P. xxx Dth of liquefied natural gas (« LNG ») ;
 - (c) All the LNG bought from Gaz Métro LNG, L.P. during the Term will be consumed outside the Province of Québec, Canada, i.e. in the United States of America. Therefore, none of this LNG will be withdrawn by a customer in the Province of Quebec.

SWORN BEFORE ME at the City of [city], in the state of [state], U.S.A., on XX, 20XX

SIGNATURE _____
 Name:
 Title:

On this XXth day of [month] 2022, before me, the undersigned notary public, personally appeared before me ●, proved to me through satisfactory evidence of identification to be the person whose name is signed, and acknowledged to me that he signed it voluntarily for its stated purposes.

 ●
 My Commission expires on ●

EXHIBIT "E"

LNG Request and LNG Confirmation Forms

Request for delivery

Nom/Name :
Endroit/Place :
Date :
Heure/Time :
LNG quantity (approximate) :
Number of trailers (approximate) :

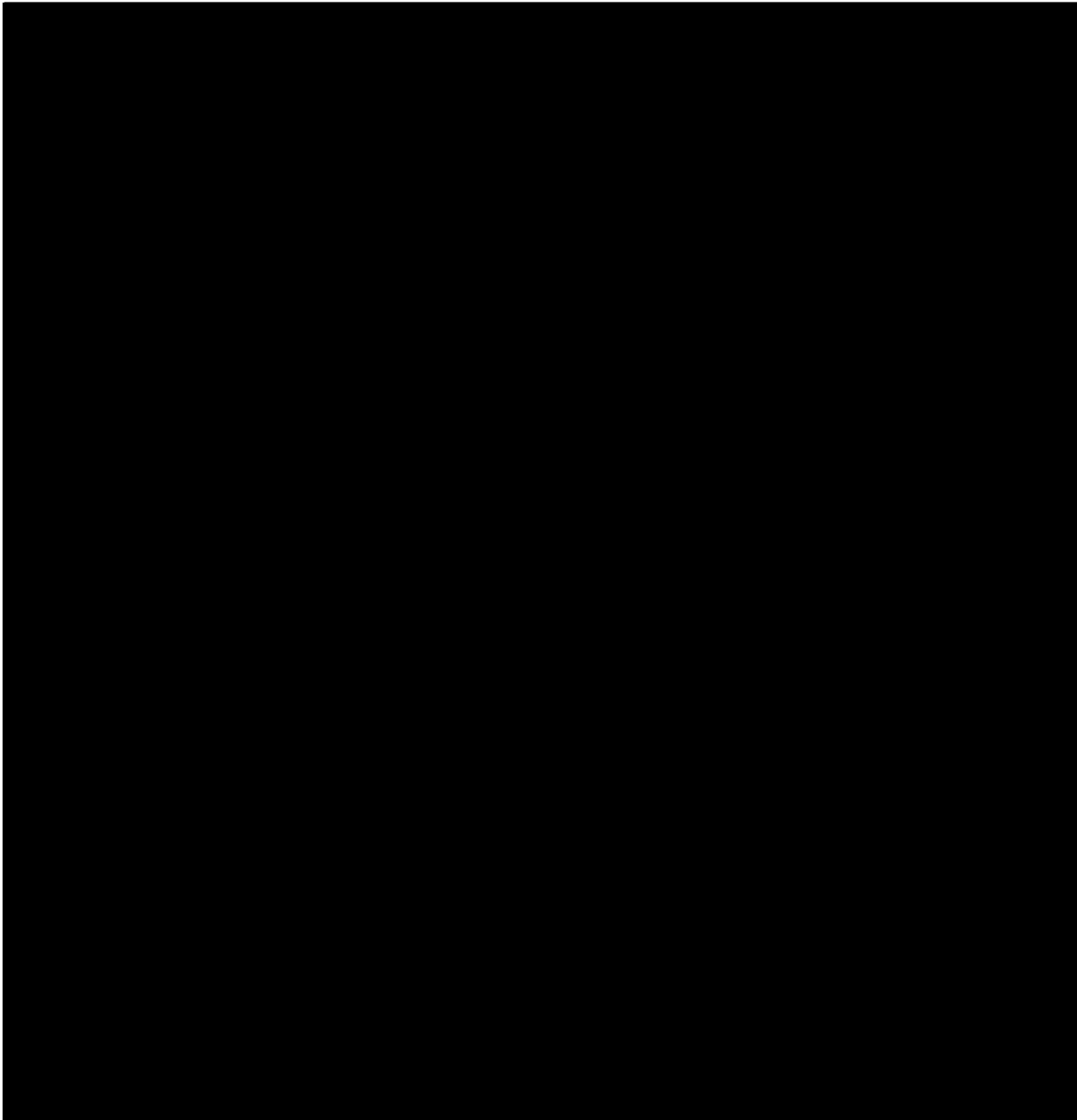
Gaz Métro LNG, L.P. will first provide an acknowledgment of receipt of the delivery request. Gaz Métro LNG, L.P. will then confirm the delivery of the product and the necessary adjustments, if required.

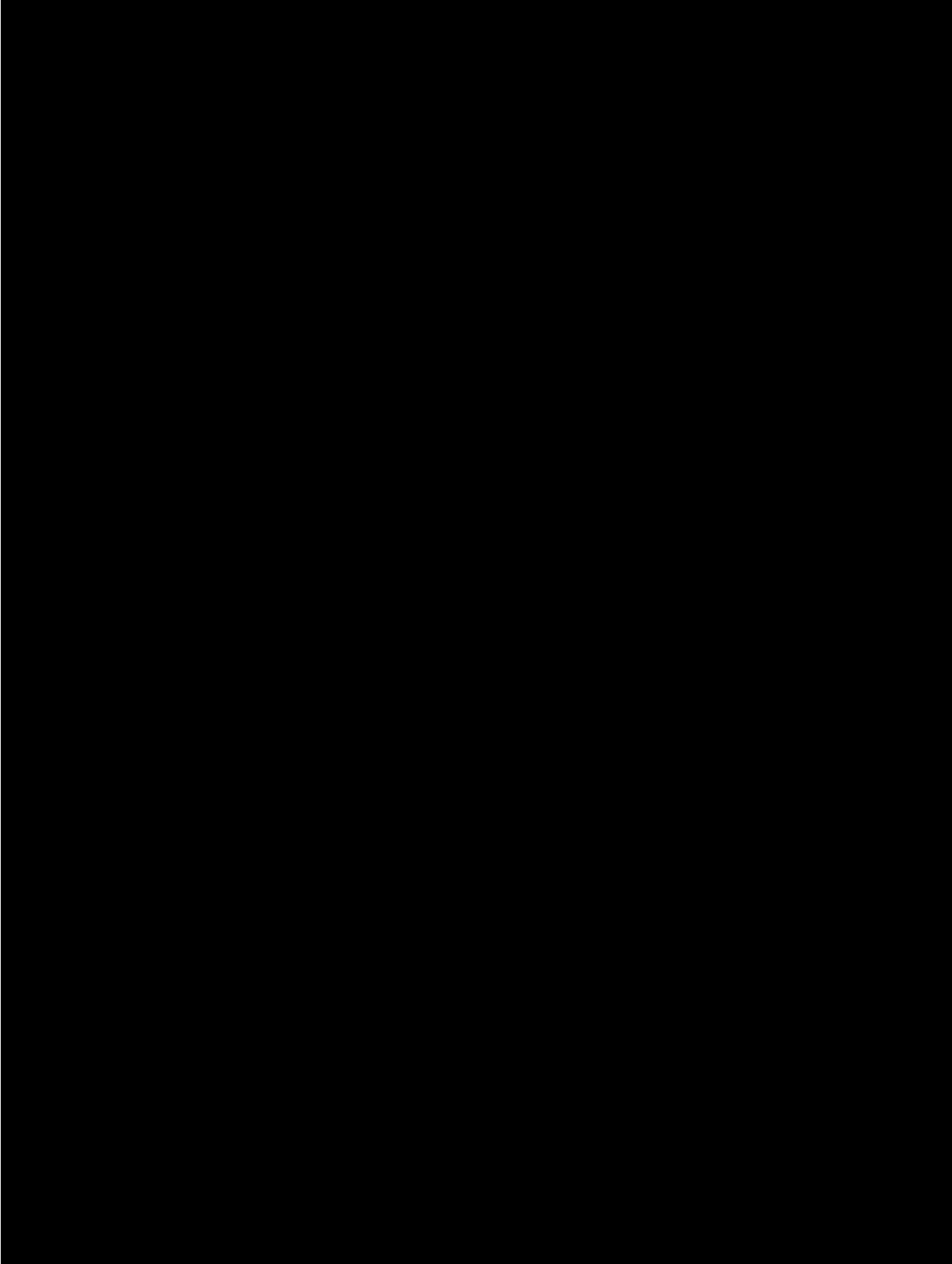
Contract ID # 4864

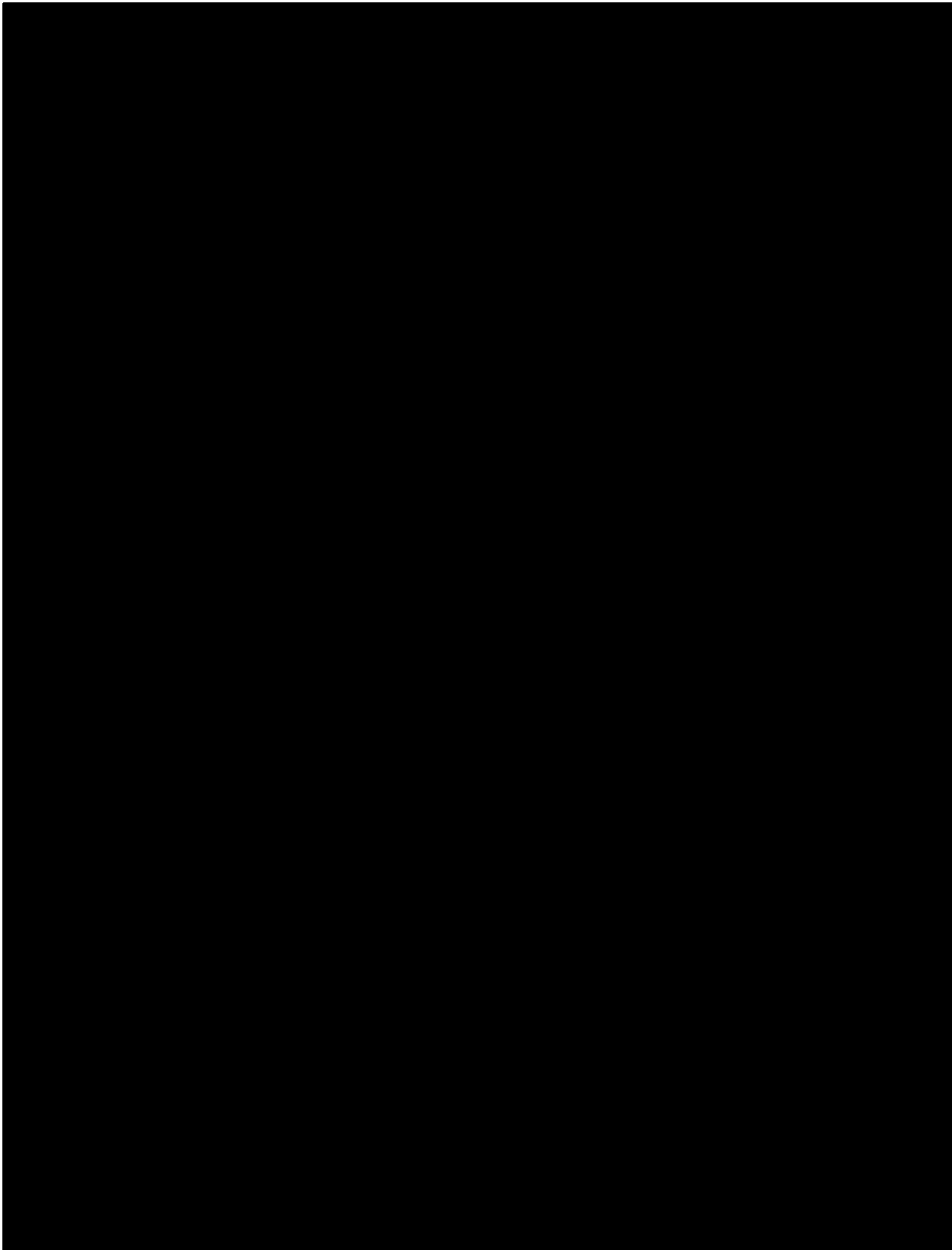
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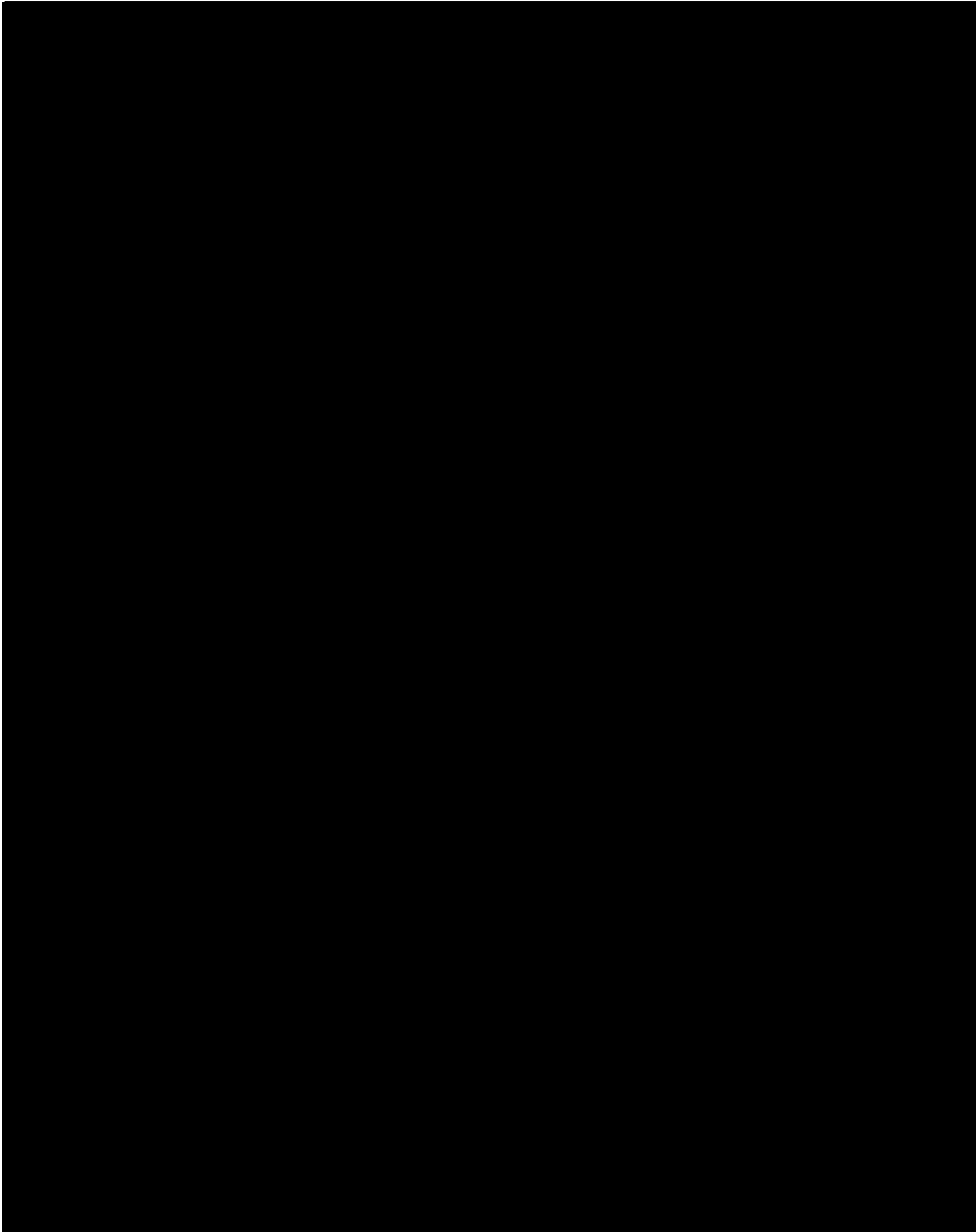
Equipment Rental and Support Services Agreement

This Equipment Rental and Support Services Agreement (this "Agreement") is entered into this 12th day of September, 2018 (the "Effective Date") by and between Prometheus Energy Group Inc., a Delaware corporation ("Prometheus"), and The Narragansett Electric Company d/b/a National Grid ("Customer"). Prometheus and Customer are sometimes hereinafter referred to individually as "Party" and collectively as the "Parties".

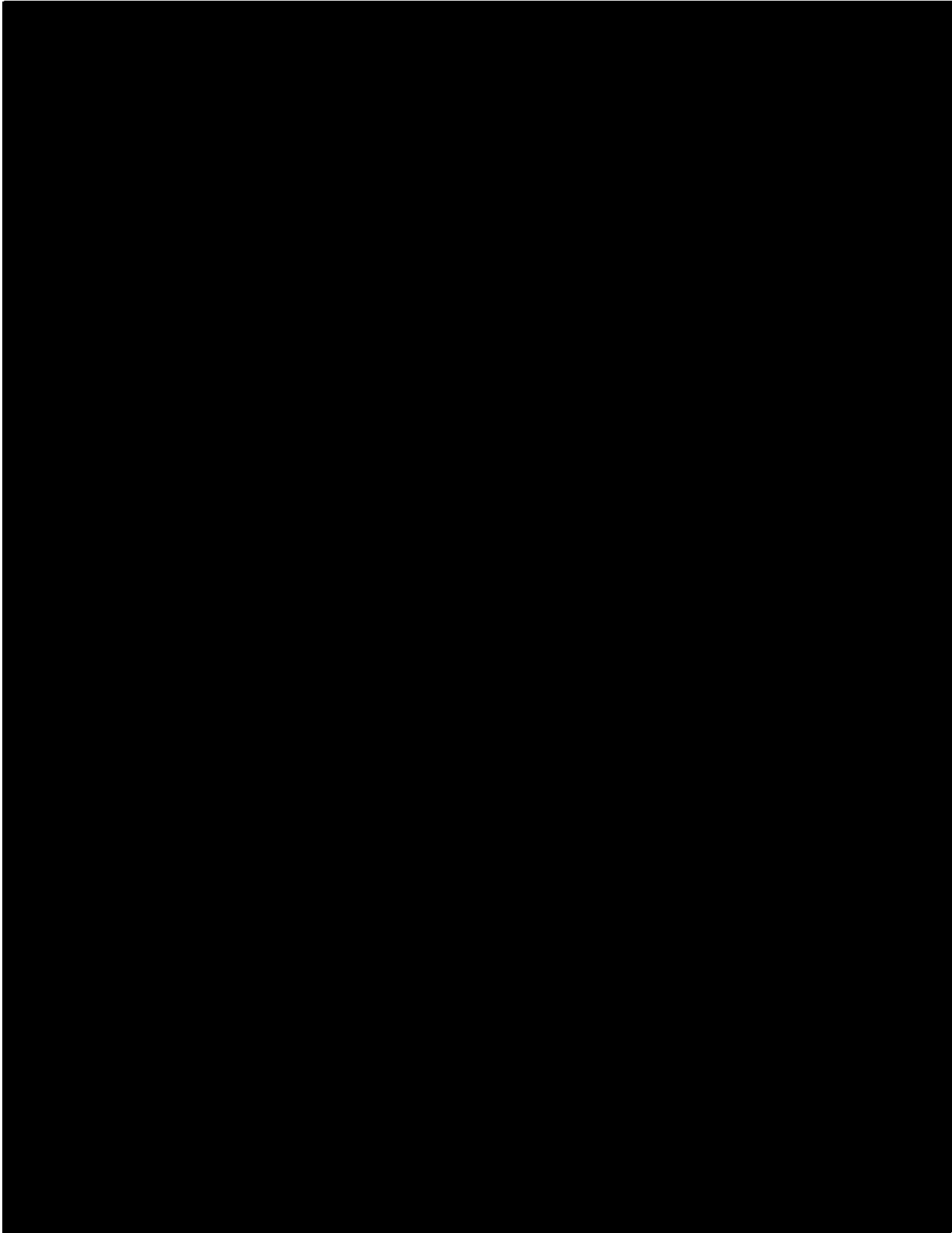


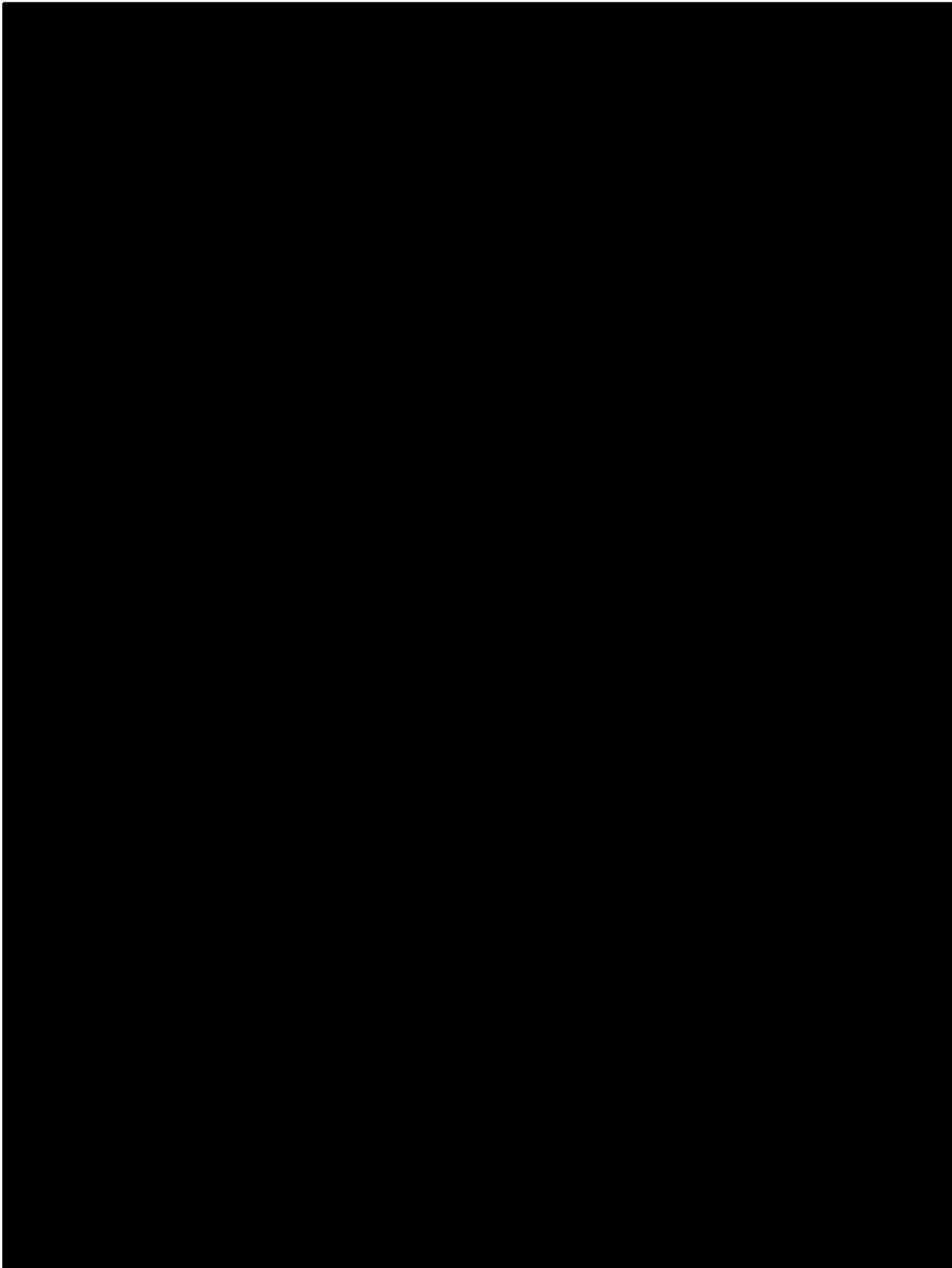




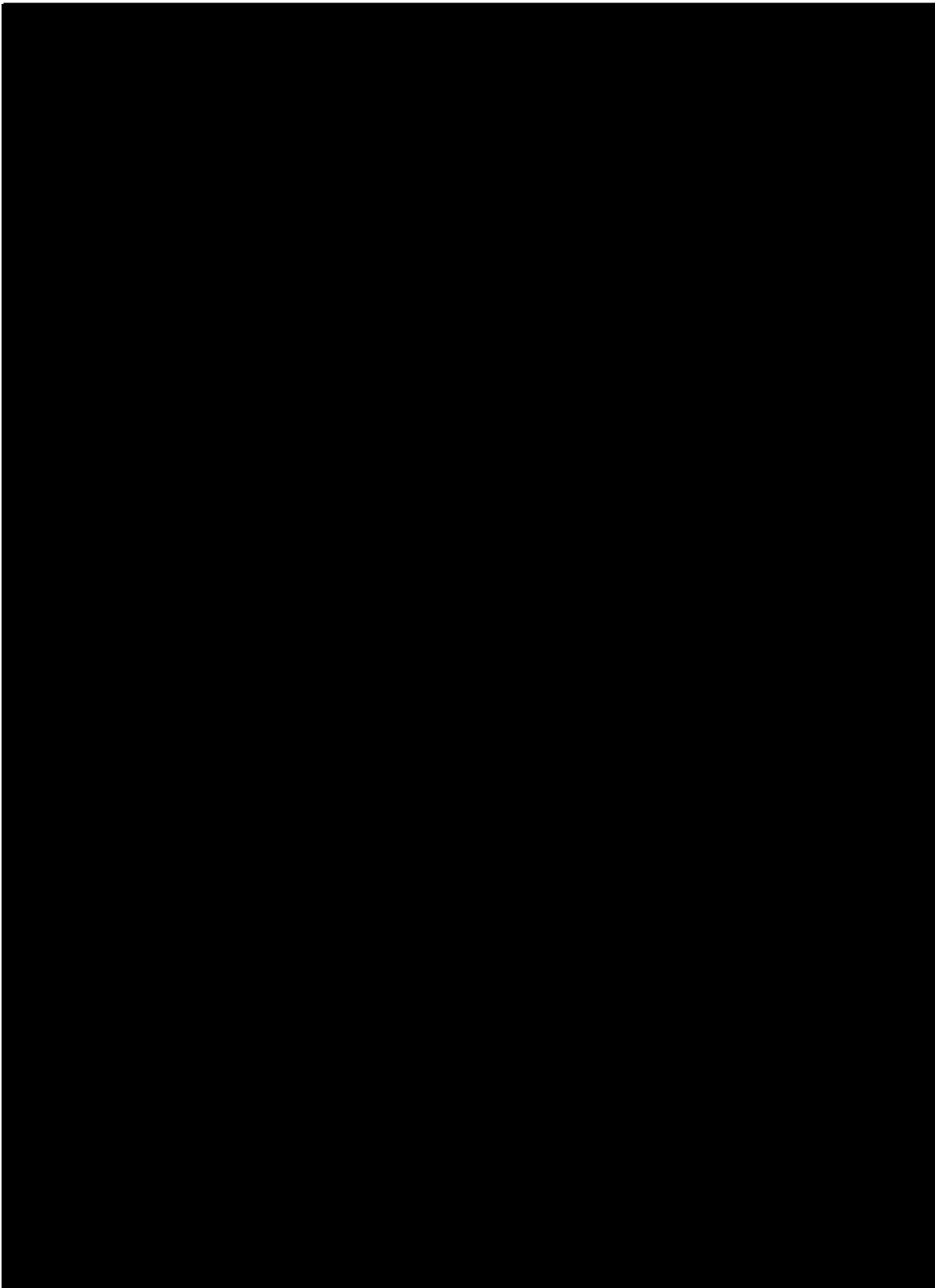


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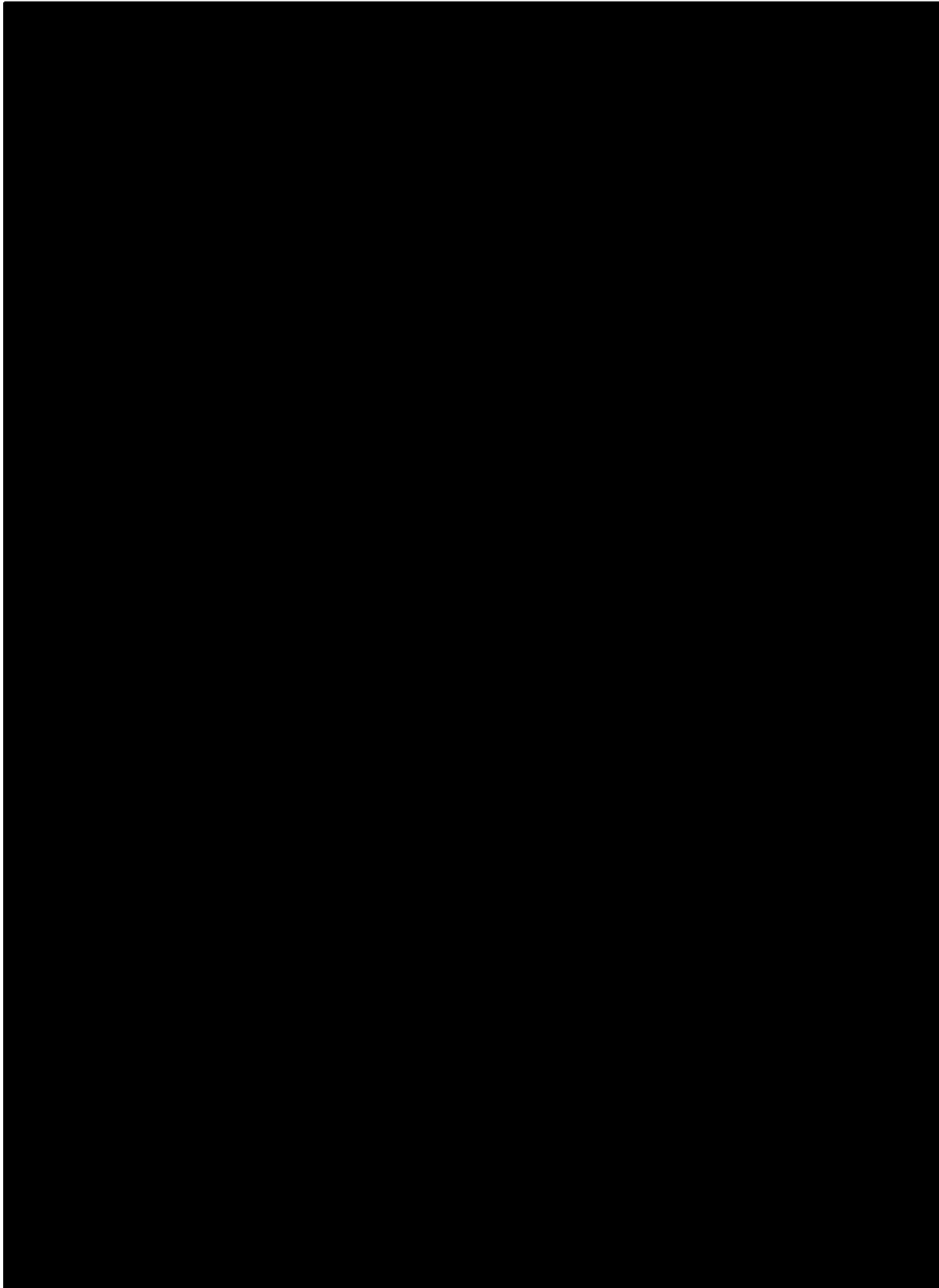


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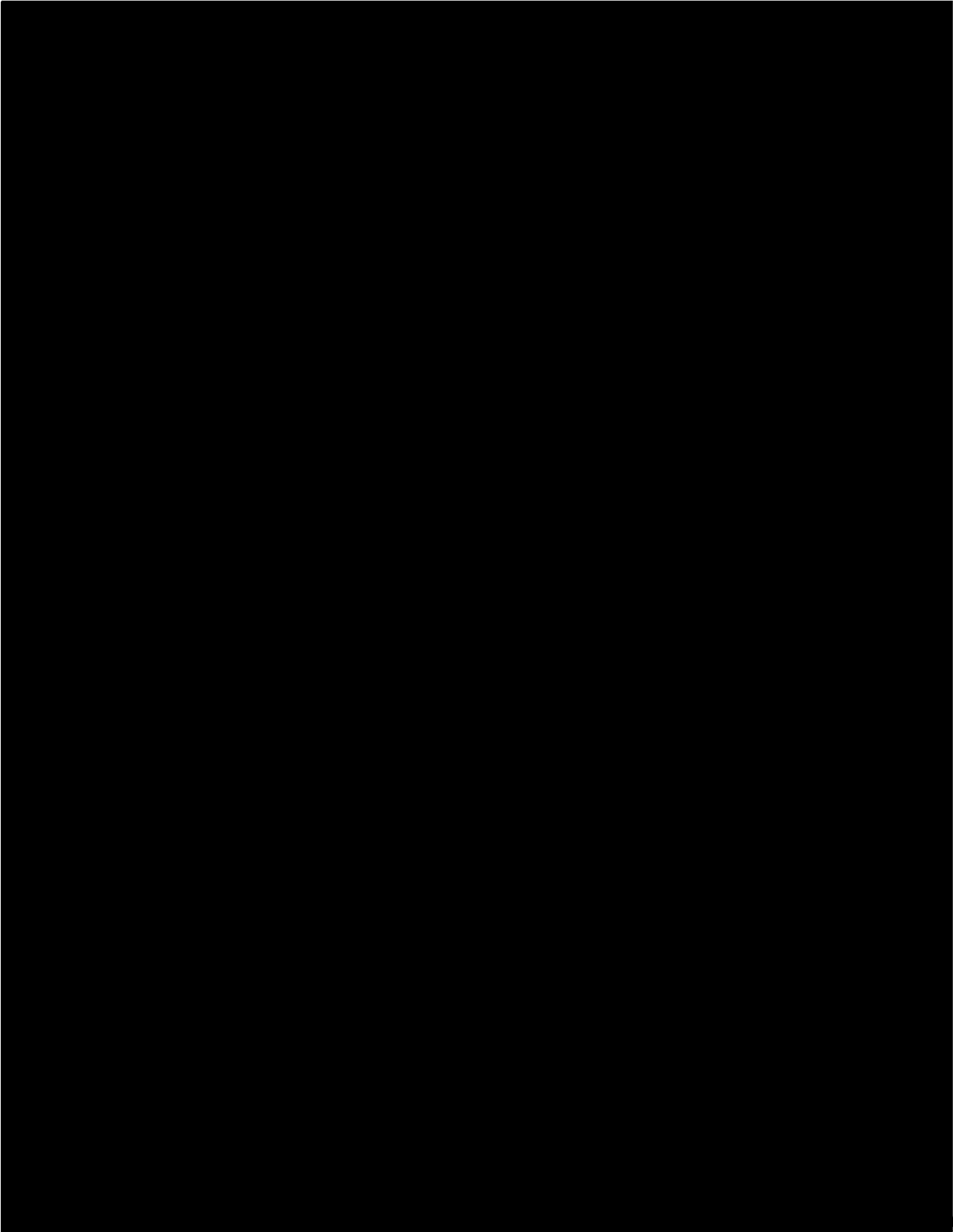


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REDACTED



(2)



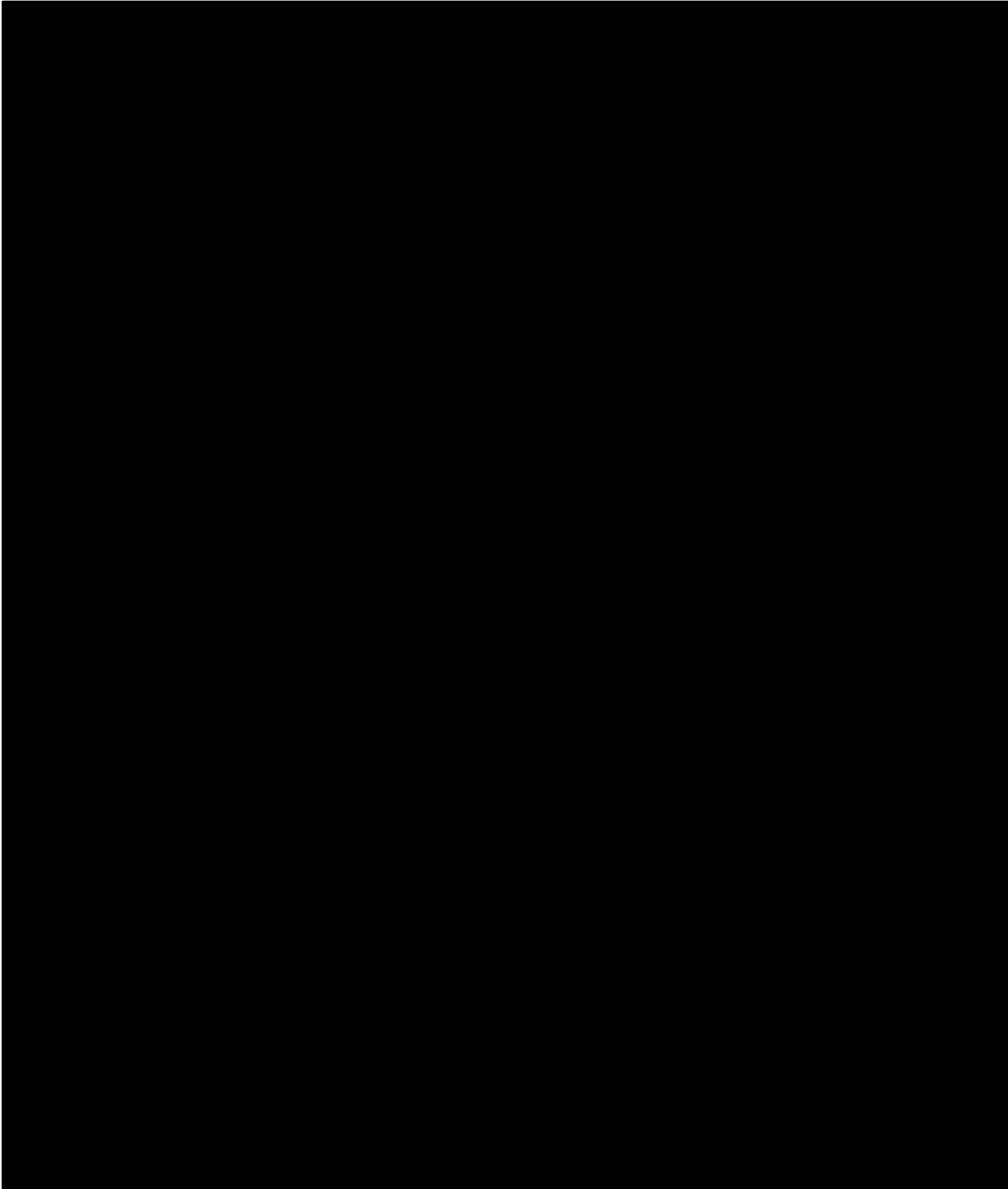
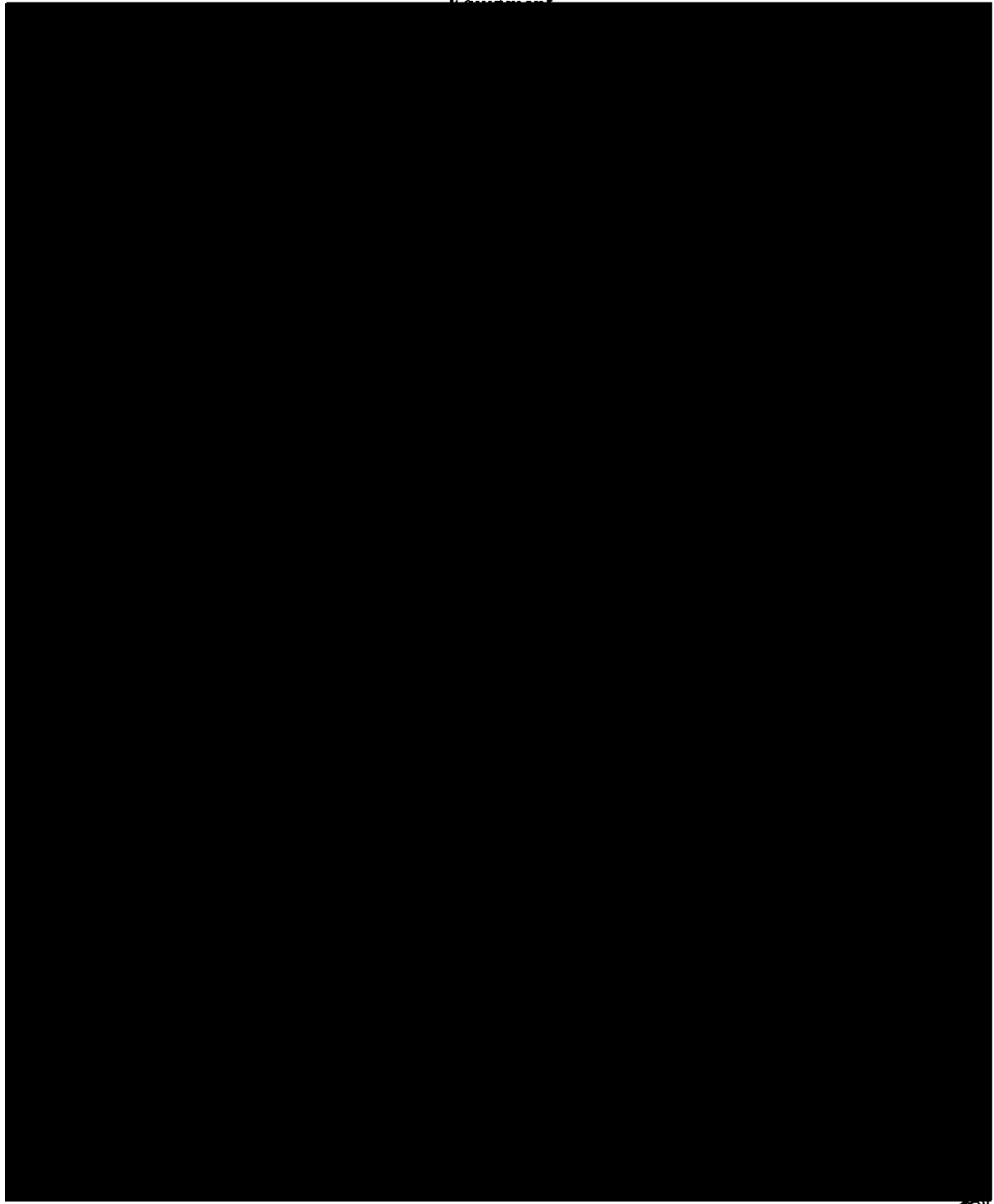


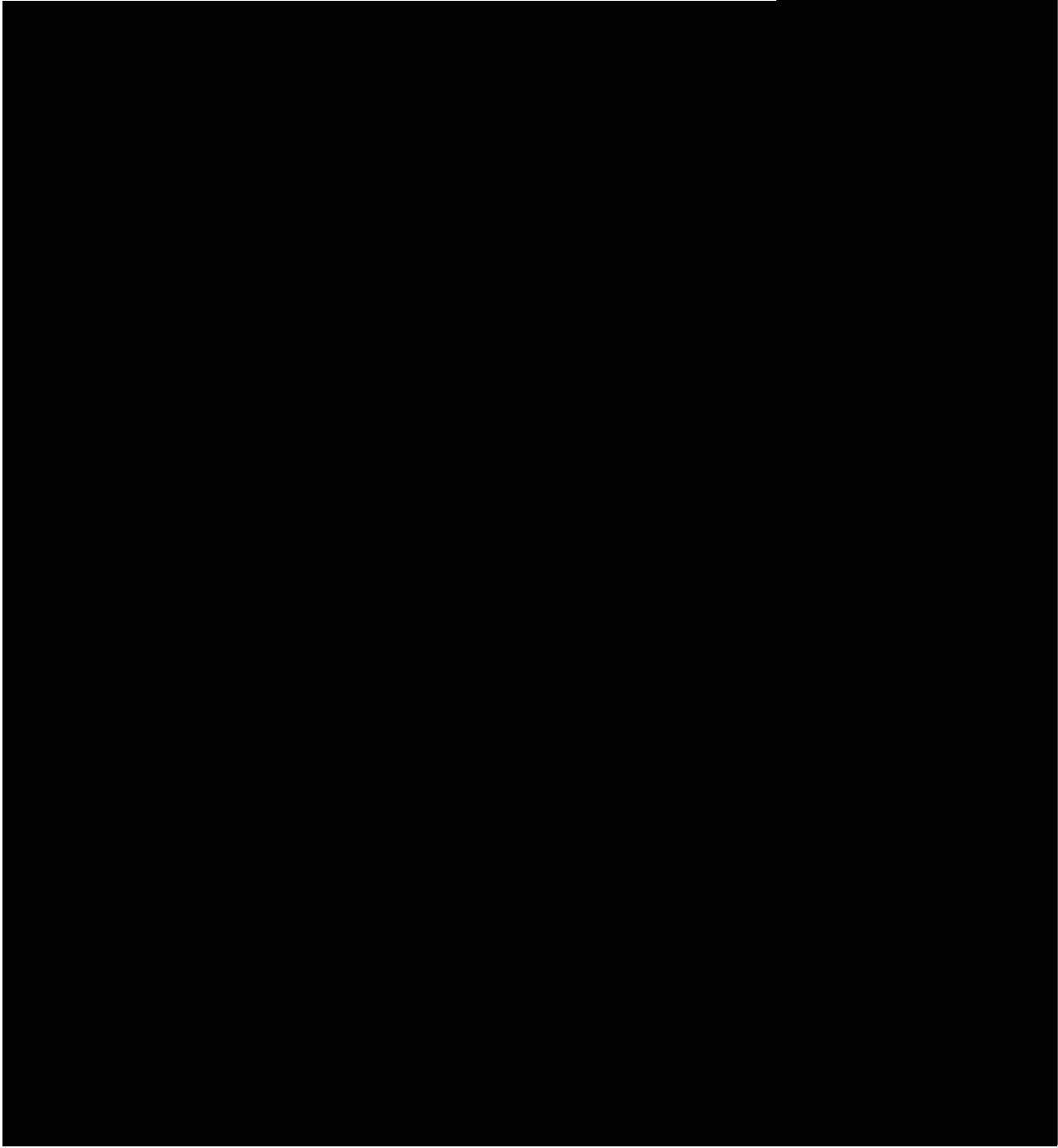
Exhibit A

Equipment



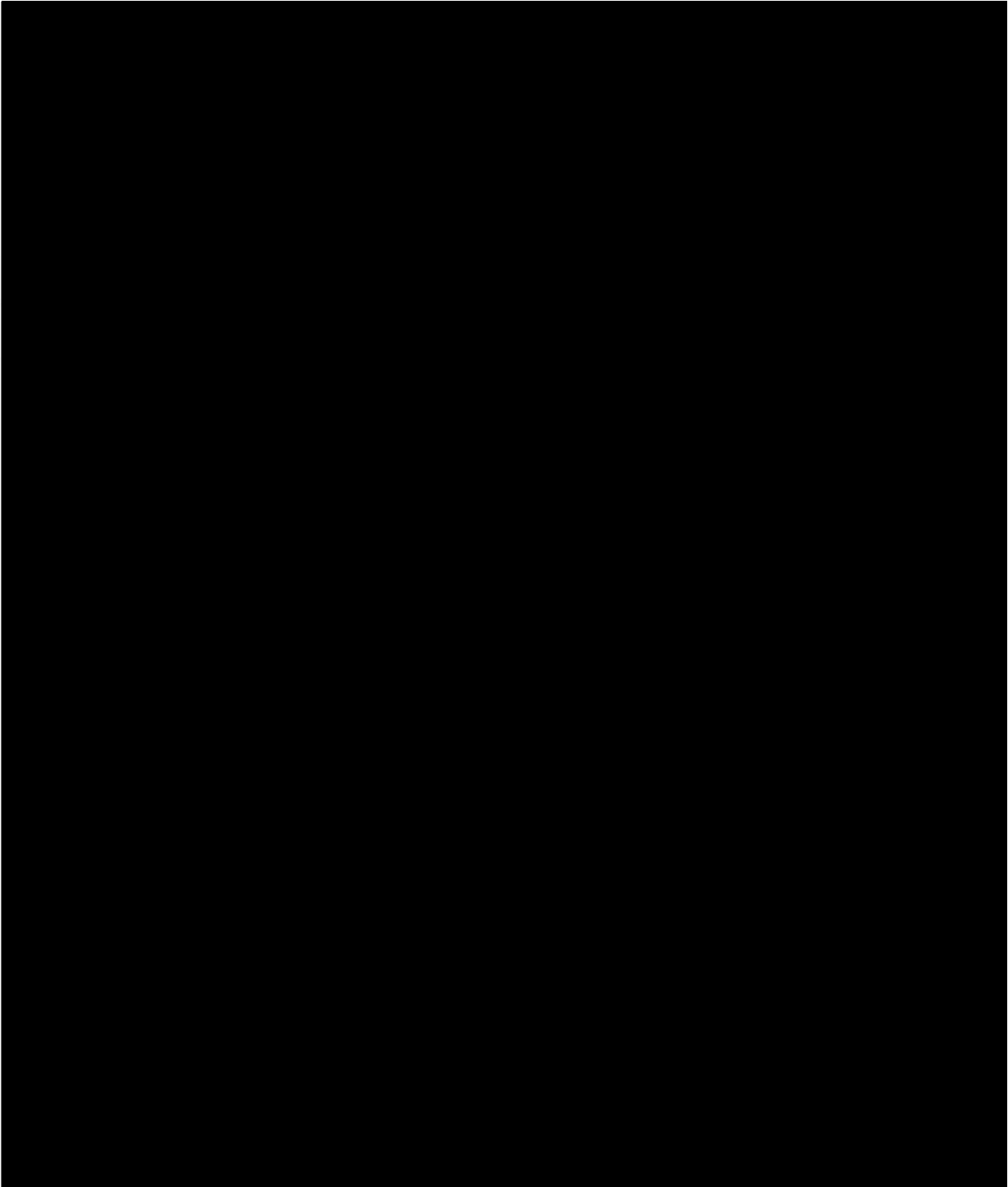
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REDACTED



①

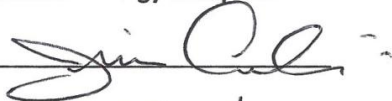
**FIRST AMENDMENT TO
EQUIPMENT RENTAL AND SUPPORT SERVICES AGREEMENT**



②

IN WITNESS WHEREOF, the Parties have caused this Amendment to be executed by their duly authorized representatives as of the date hereinabove written.

Prometheus Energy Group Inc.

By: 

Printed Name: Tim Arvelis

Title: COO

Date: 1/12/2020

The Narragansett Electric Company d/b/a National Grid

By: 

Printed Name: John V. Vaughn

Title: Authorized Signatory

Date: April 10, 2020



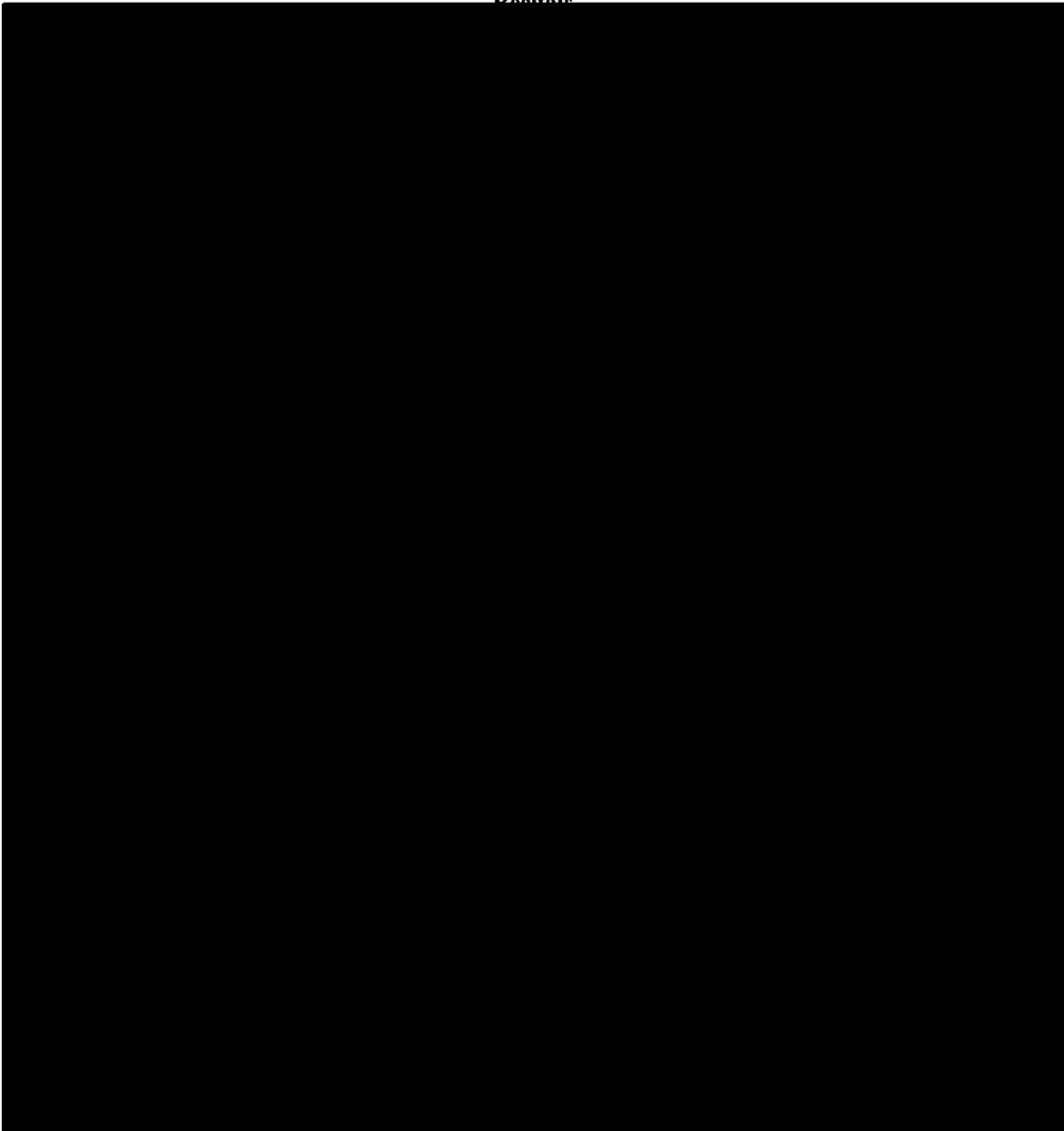
Contract ID # 5029

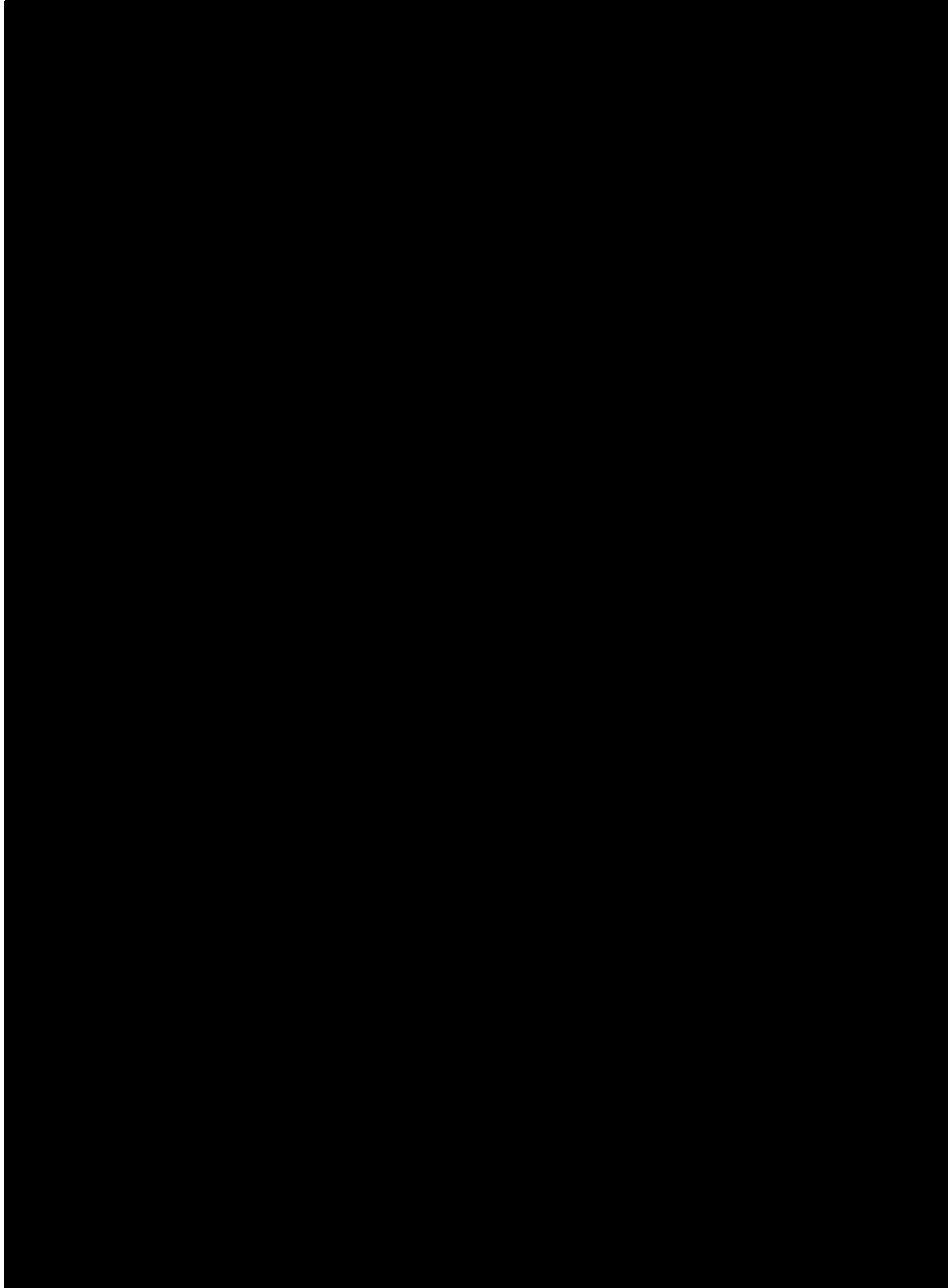
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Equipment Rental and Support Services Agreement

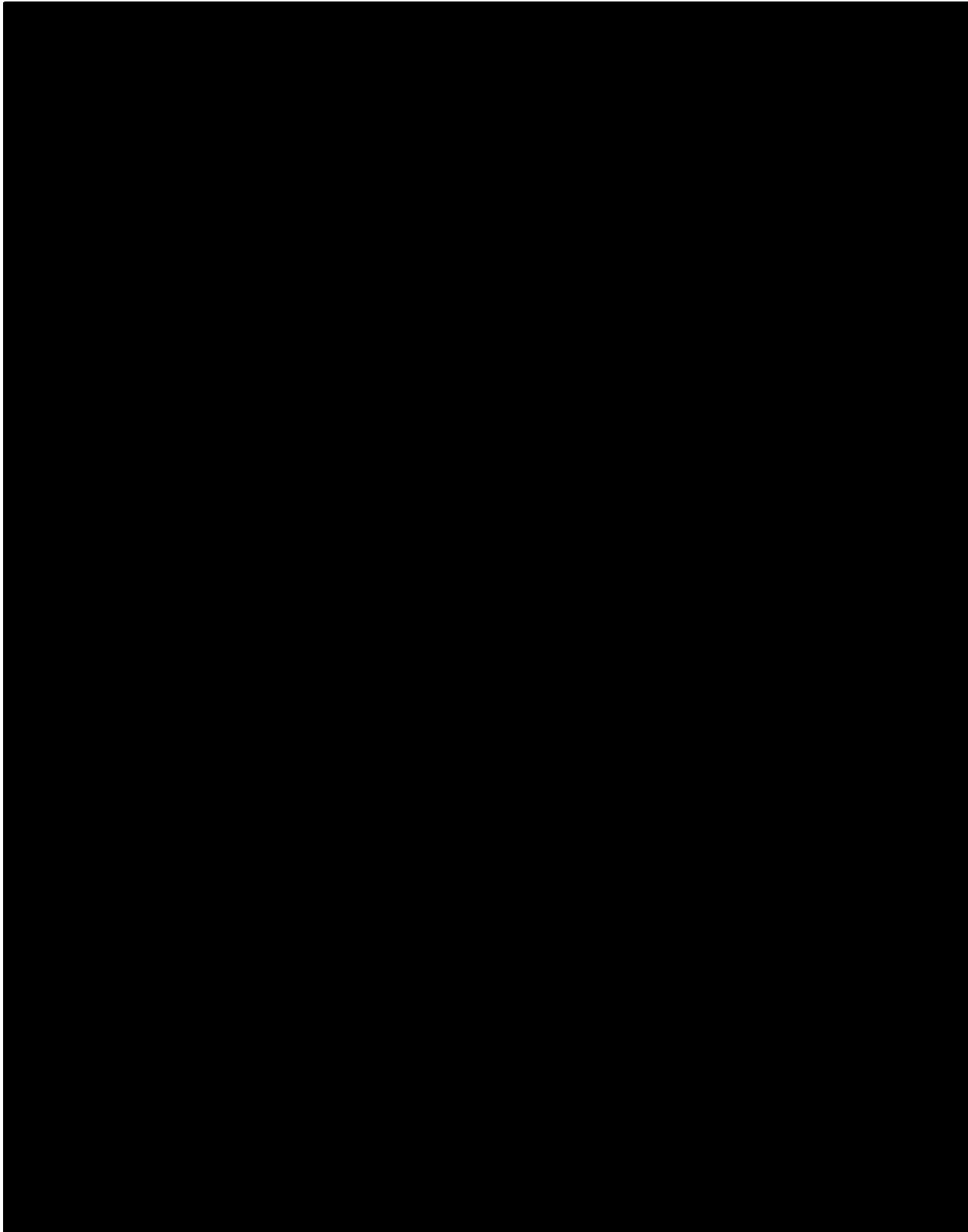
This Equipment Rental and Support Services Agreement (this "Agreement") is entered into this 14th day of August 2019 (the "Effective Date") by and between Prometheus Energy Group Inc., a Delaware corporation ("Prometheus") and its affiliates, and The Narragansett Electric Company d/b/a National Grid ("Customer"). Prometheus and Customer are sometimes hereinafter referred to individually as "Party" and collectively as the "Parties".

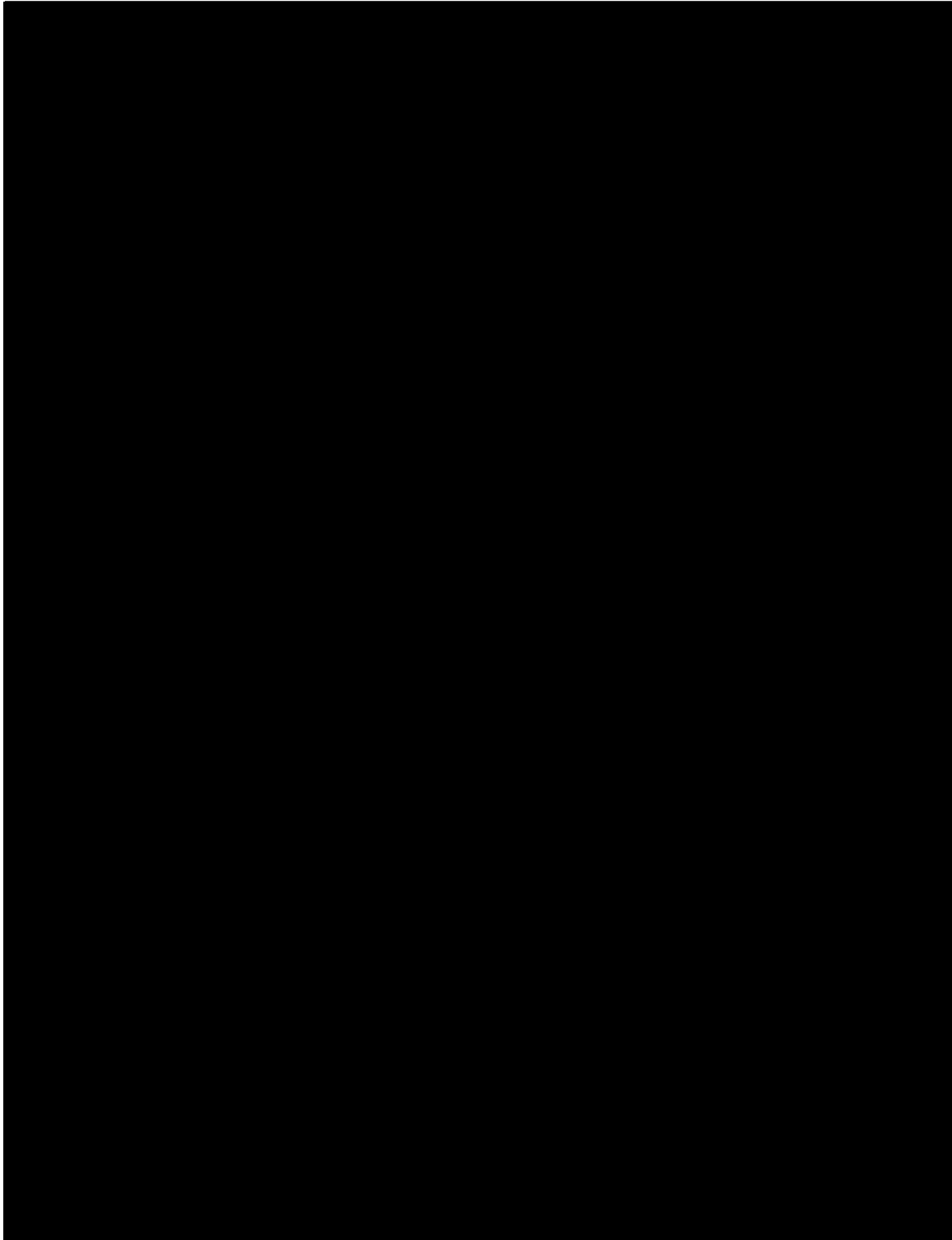
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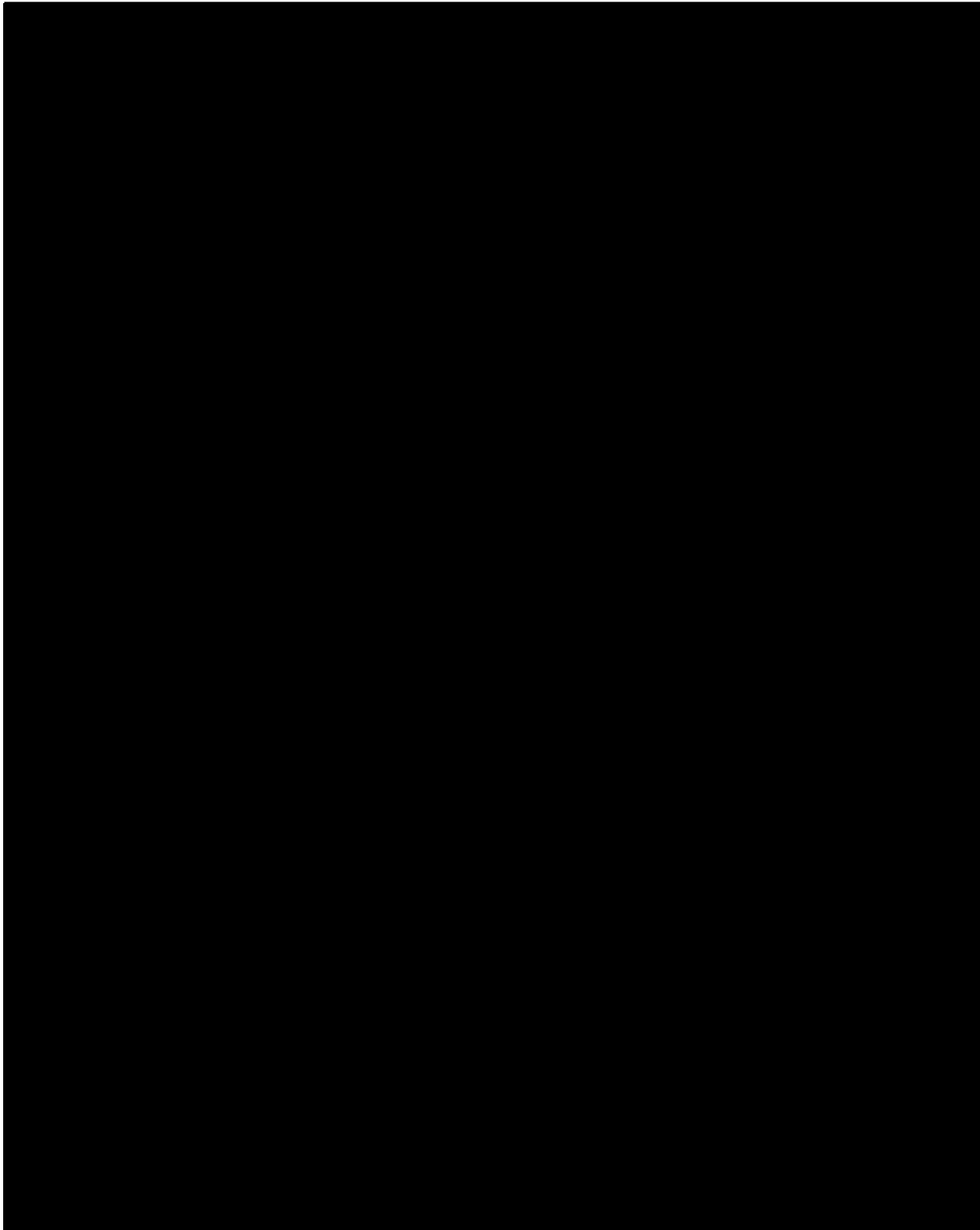


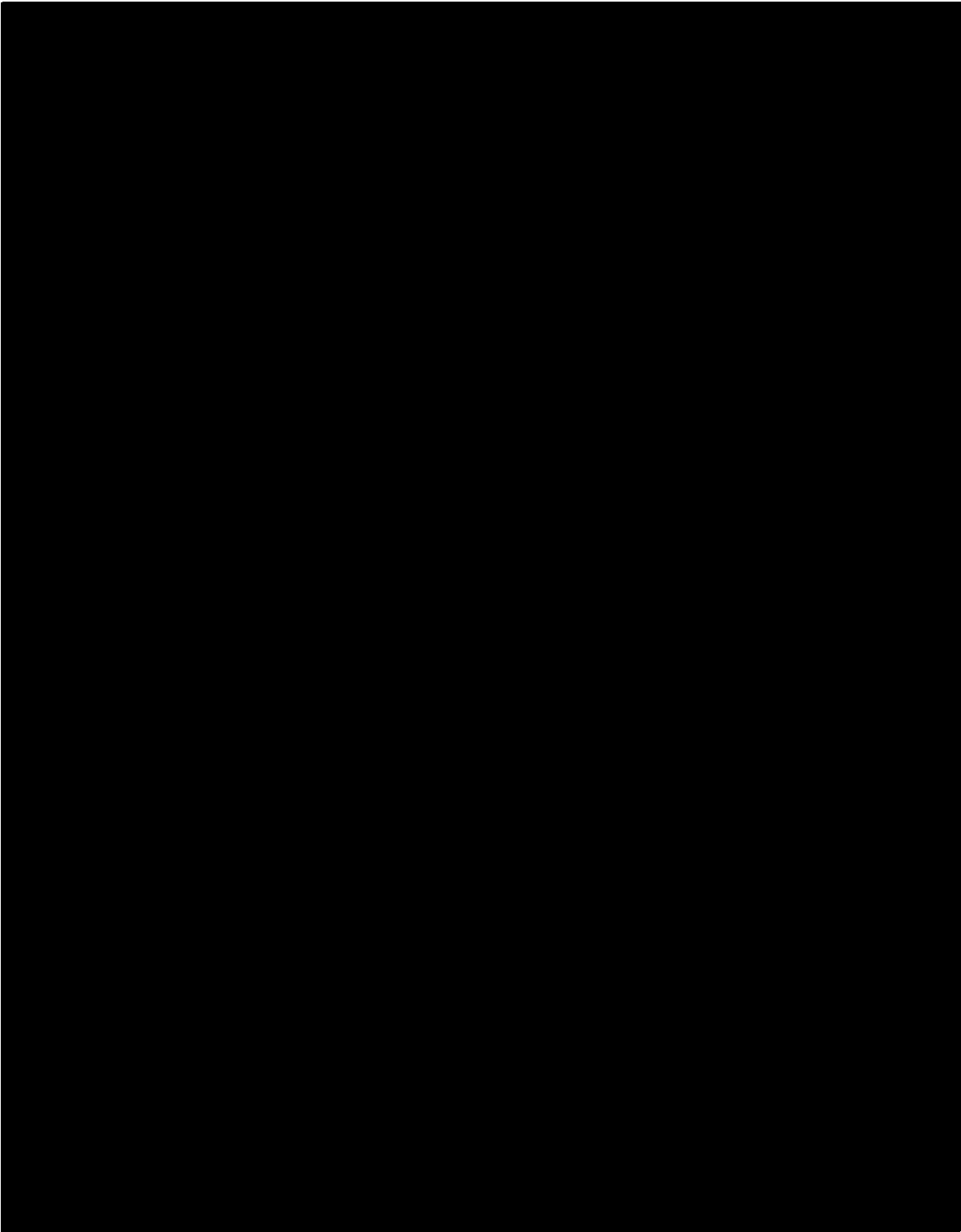


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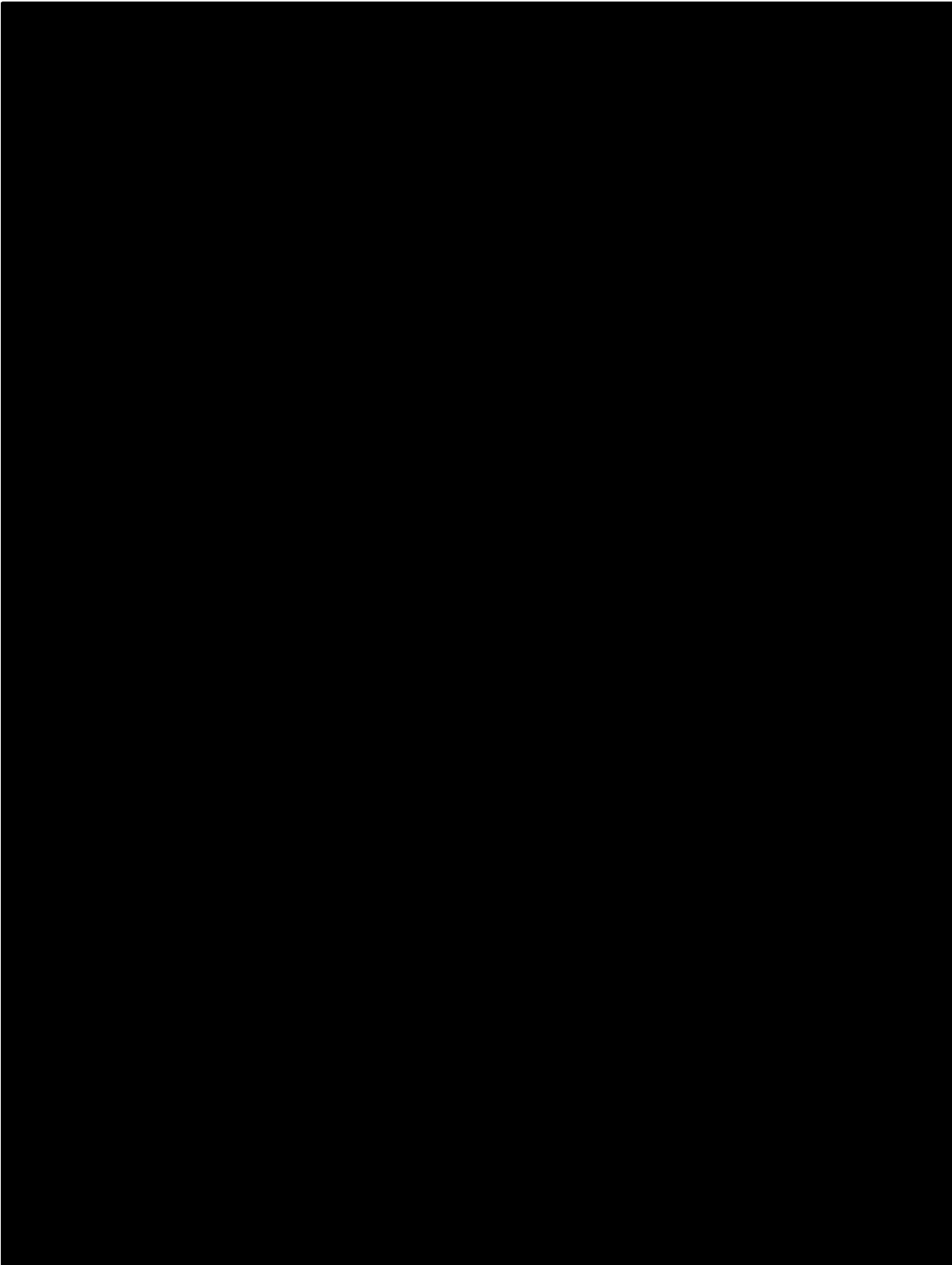


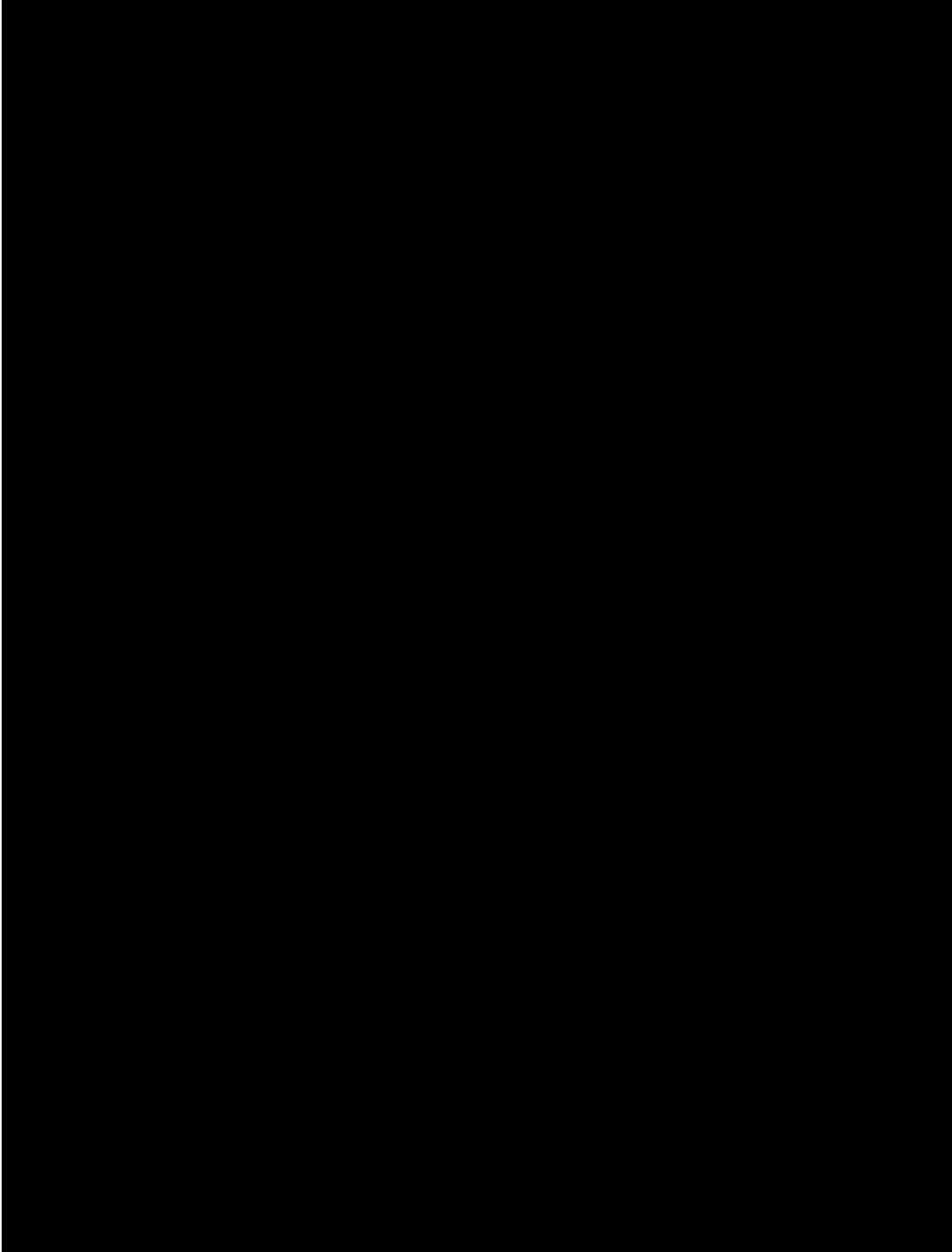


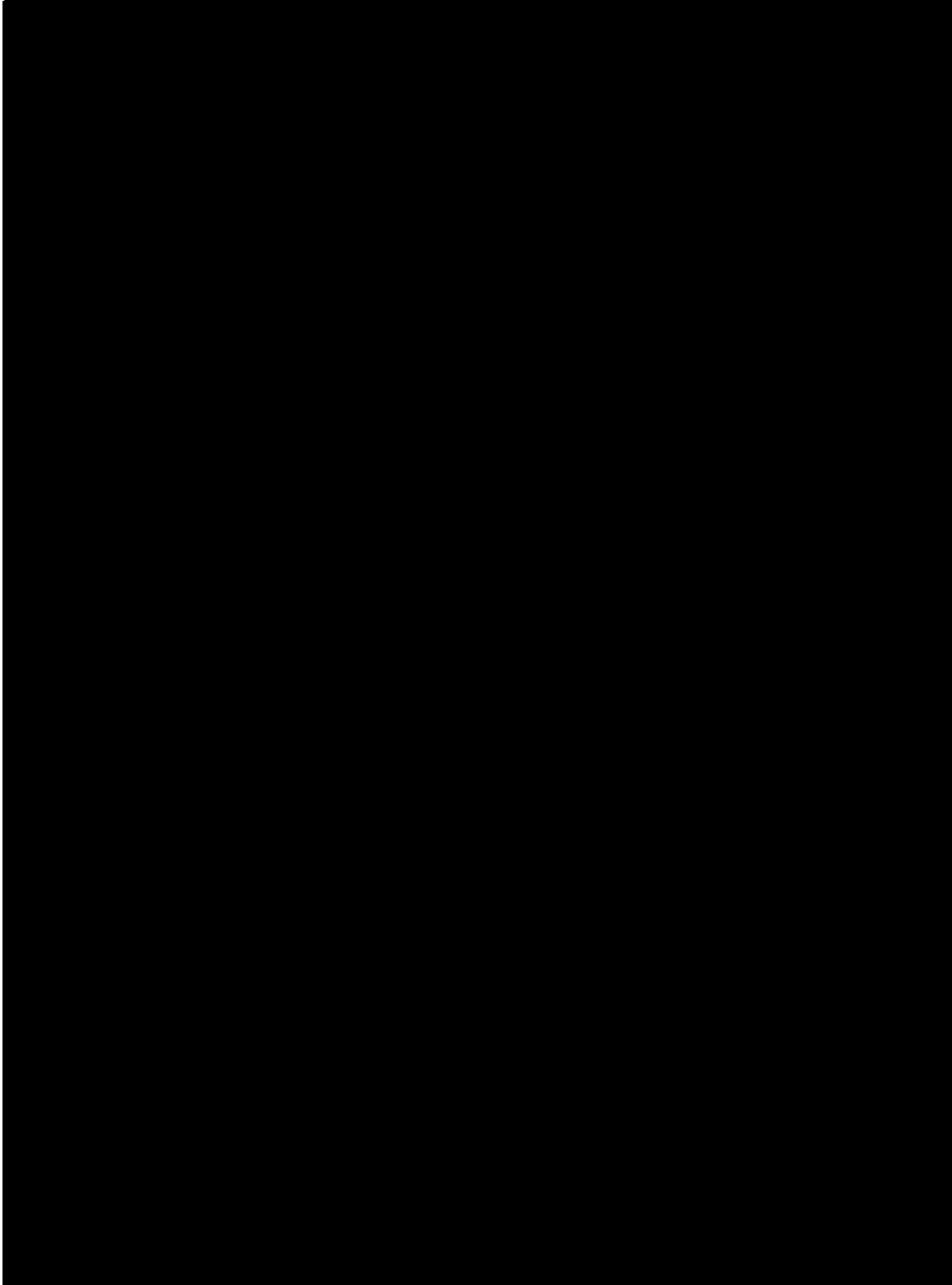


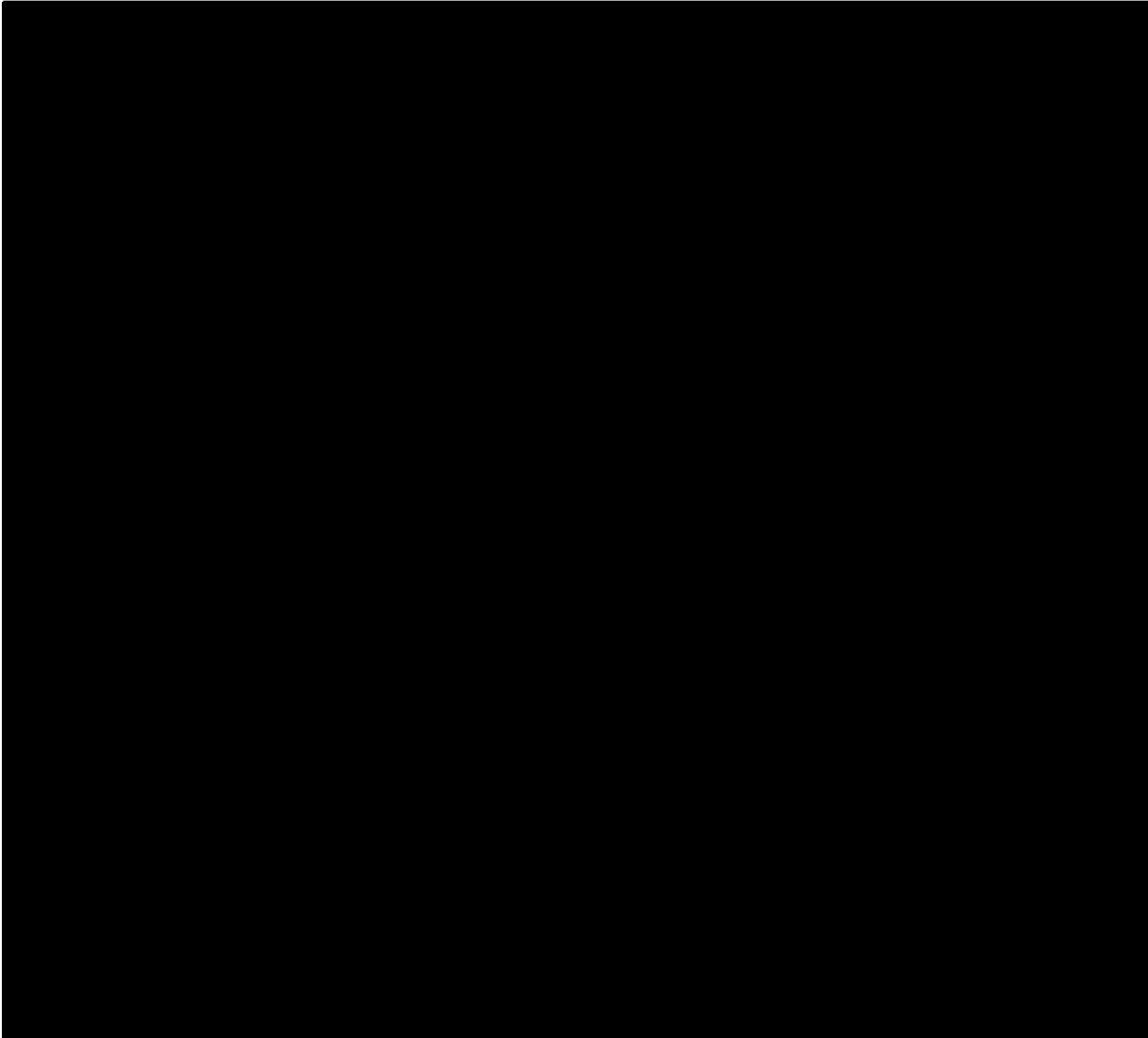


REDACTED



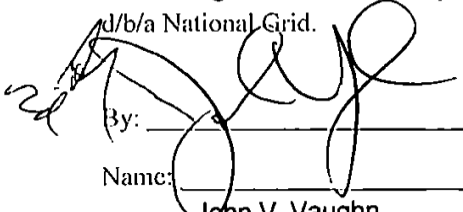






IN WITNESS WHEREOF, the Parties have caused this Agreement to be executed on the date set forth above.

The Narragansett Electric Company
d/b/a National Grid.

By: 
Name: John V. Vaughn
Title: Authorized Signatory

Prometheus Energy Group, Inc. & affiliates


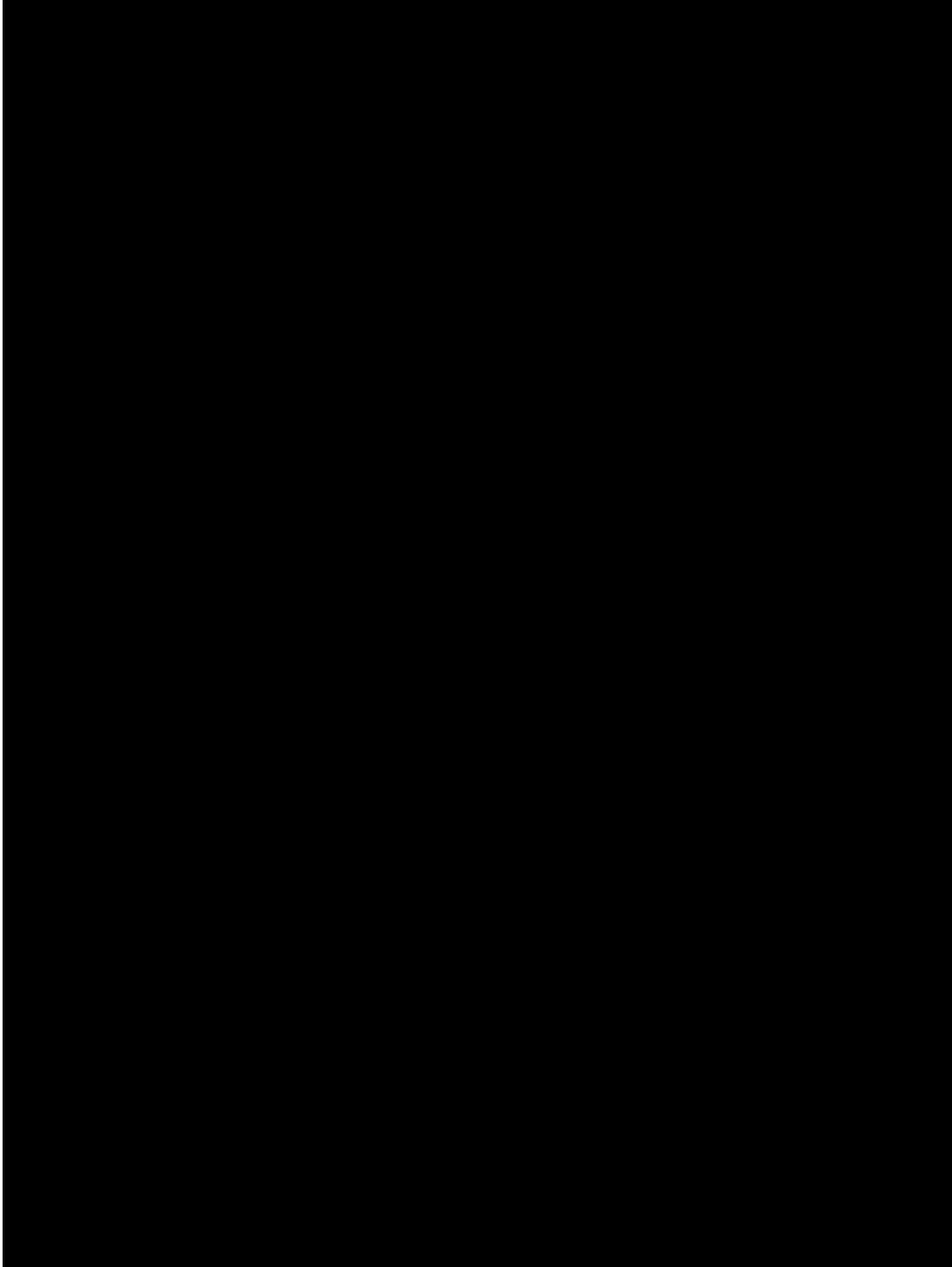
By: 
Name: Jim Aivalis
Title: COO

Exhibit A



REDACTED

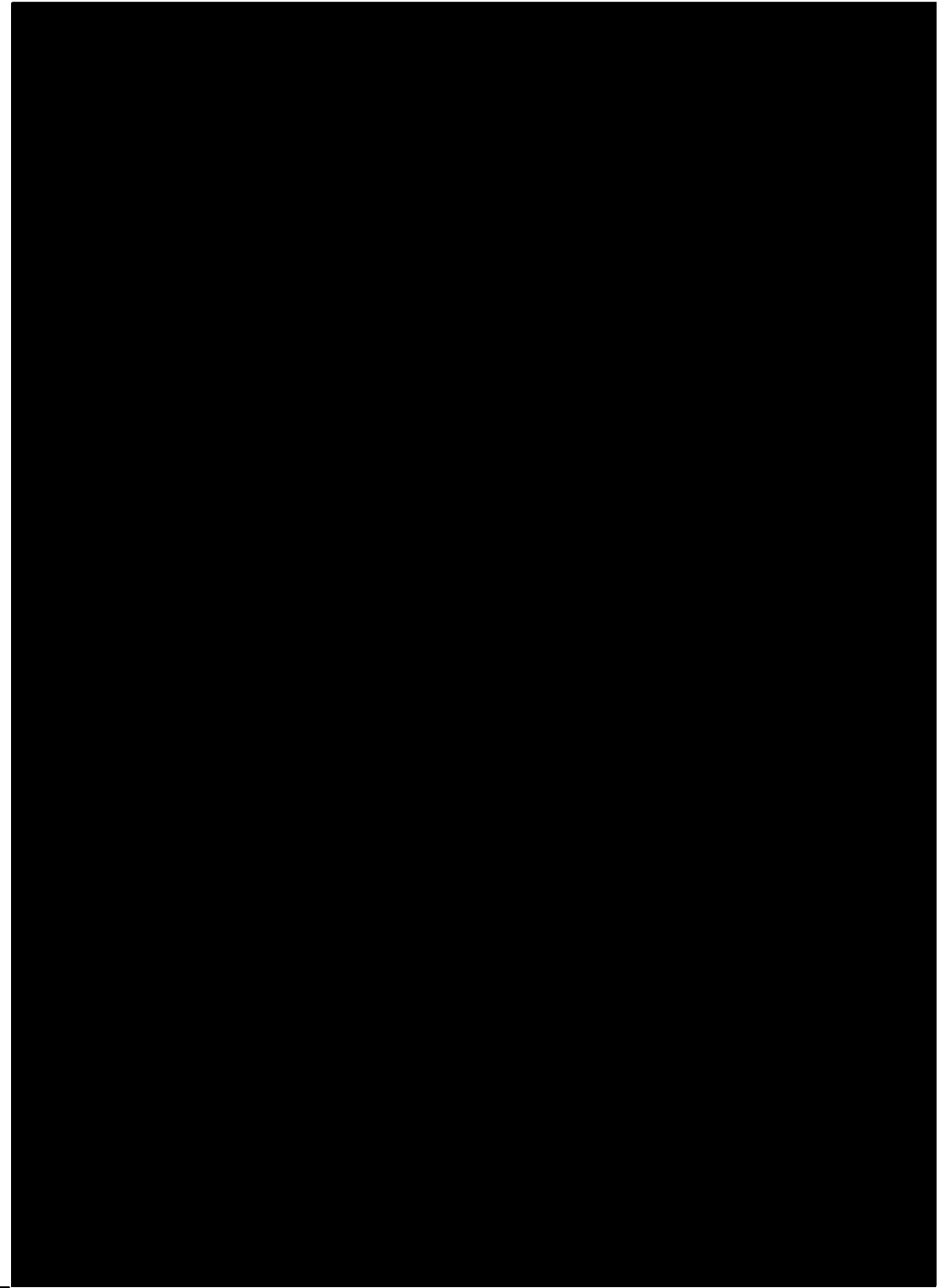


Exhibit B

Pricing

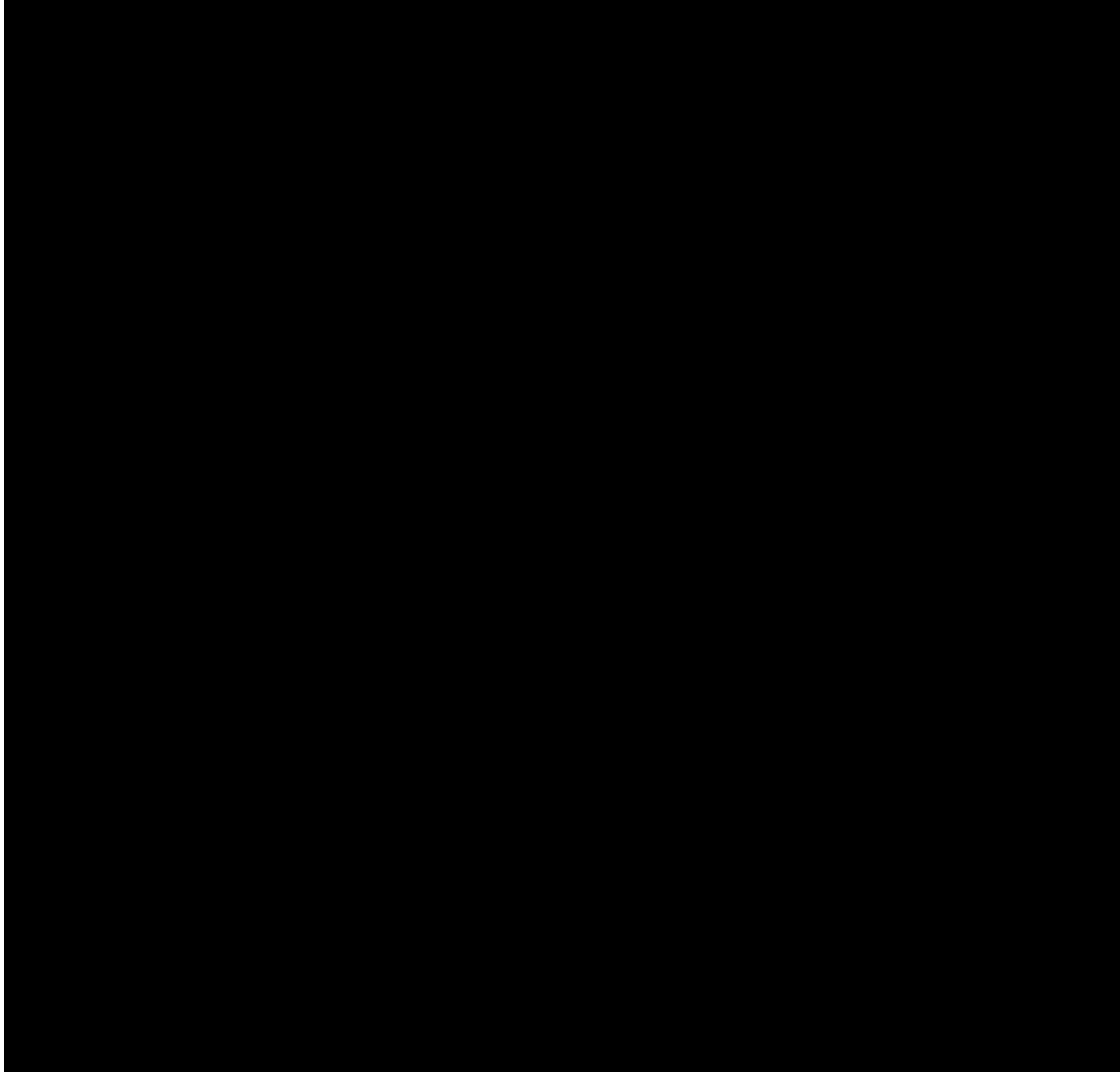
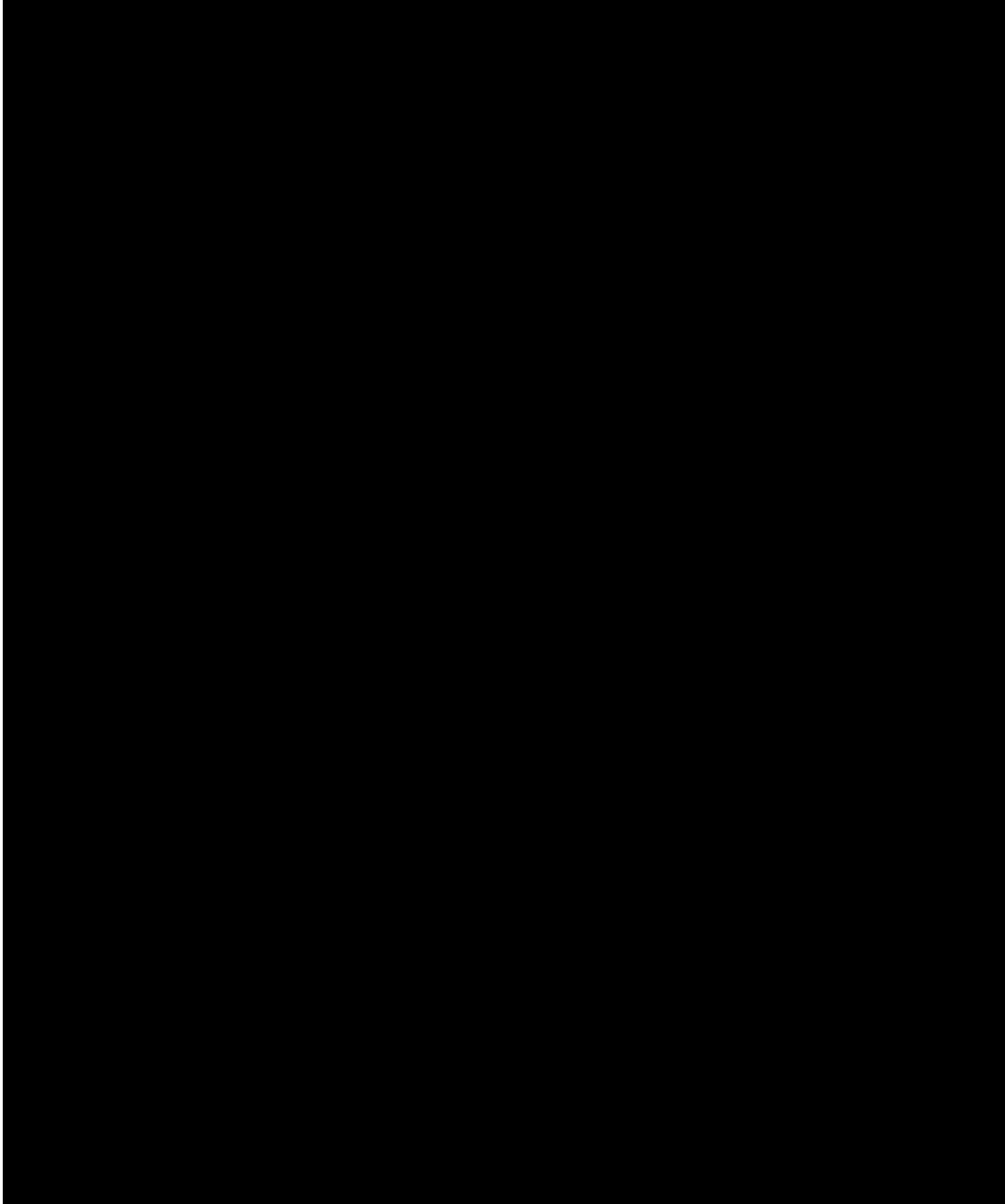
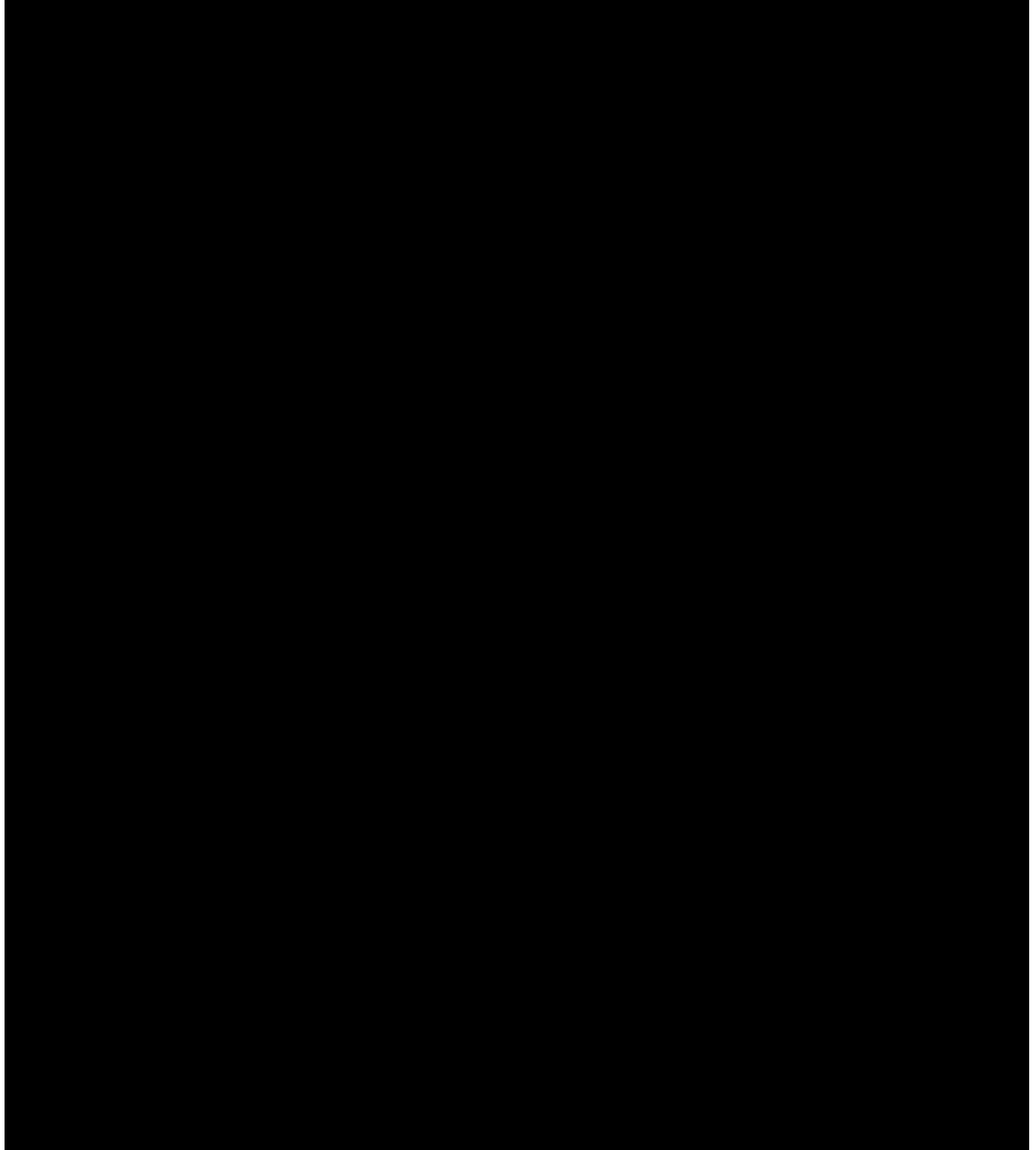


Exhibit C





Equipment Rental and Support Services Agreement



Division 1-25

Request:

If not already provided, please provide a copy of all contracts providing the purchase of supplies at Dracut in effect during the period August 2022 through July 2023.

Response:

The Company has not yet entered into any contracts providing for the purchase of supplies at Dracut for the period August 2022 through July 2023. The Company is currently still in the process of negotiating transactions for this period.

Division 1-26

Request:

Please identify the extent to which the assets the Company reserved to meet peak hour requirements were actually used to meet peak hour requirements during the winter of 2021/22. Identify the asset and applicable dates, volumes, and costs.

Response:

The assets reserved to meet peak hour requirements for the winter of 2021/22 were not used for the purpose of meeting peak hour requirements. The Company did, however, dispatch these supplies in a least-cost manner to meet forecast customer requirements.

Division 1-27

Request:

Please identify whether the Company has received bill credits or any other compensation from Algonquin as a result of the January 21, 2019 valve malfunction at Algonquins meter station in Weymouth, MA which contributed to the service outage on Aquidneck Island. Explain how the compensation has been credited to ratepayers.

Response:

To the best of its knowledge as of the date of this response, the Company has not received bill credits or any other compensation from Algonquin as a result of the January 21, 2019 valve malfunction at Algonquin's meter station in Weymouth, MA.

Division 1-28

Request:

Please update the Company's response to Division Request 3-3 submitted in Docket No. 5180.

Response:

Please reference Attachment Division 1-4, page 11 which shows the total estimated requirements which are discussed during the monthly planning meeting which typically occurs ten days before the start of the month. Following the monthly planning meeting, the baseload transactions are executed. The Rhode Island Gas Summary (Feb 2022 dispatch sheet, or gas summary) shows slightly different volumes as they are adjusted for customer choice volumes for the month. There are no cost implications, in that marketers provide the volumes need to serve their customers, and the Company purchased the volumes required to serve remaining customers.

Redacted
Division 1-29

Request:

For each month during the winter of 2021/22, please identify the following for FT-2 service:

- a. Total deliveries by marketers;
- b. Marketer underground storage purchases and average purchase price; and
- c. Marketer peaking purchases and average purchase price.

Response:

The following responses to parts (a) through (c) contain confidential and commercially sensitive pricing information. The Company is providing redacted and confidential versions of this response, together with a Motion for Protective Treatment.

- a. Below are the total marketer deliveries for the winter period

Total Deliveries (Dth)							
	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	Total Deliveries

- b. Below are the total marketer underground storage purchases for the winter period

Underground Storage (dth)							
	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	Total Deliveries
Total							
Price							

Redacted
Division 1-29, page 2

c. Below are the total marketer peaking purchases for the winter period

	Peaking (Dth)						
	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	Total Deliveries
	[REDACTED]						
Total	[REDACTED]						
Price	[REDACTED]						

Division 1-30

Request:

Please identify the amount of underground storage and peaking service FT-2 supplies were entitled to purchase during the winter of 2021/22 and explain how these amounts were determined.

Response:

Below are the underground storage and peaking service FT-2 supplies Marketer were entitled to purchase for the winter of 2021/22:

Volume = dt	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Total
Underground Storage	23,027	59,736	108,287	64,803	41,927	297,780
Peaking	12,800	30,360	77,223	82,364	64,337	267,084

The volumes were determined in accordance with Section 6, Schedule C. 3.02.0 of the Company's Gas Tariff, RIPUC NG-GAS No. 101, which states:

[T]he Company will annually calculate a Customer's total storage and peaking resource requirements based on the Customer's calculated Peak Day Use. It will then multiply the storage and peaking percentage applicable to the Customer's rate class times the Customer's Peak Day Use to determine the amount of capacity to be assigned to the Marketer for storage and peaking, respectively.

Division 1-31

Request:

For the winter of 2022/23, please identify:

- a. Projected design day planning load, exclusive of design hour planning load, for FT-1 capacity eligible, FT-2, and sales customers (separately);
- b. Projected design hour planning load, inclusive of design day planning load, for FT-1 capacity eligible, FT-2, and sales customers (separately);
- c. The capacity resources that will be used to meet design hour planning load in excess of design day planning load; and
- d. If the Company's most expensive capacity resources (inclusive of related gas supply reservation charges) will not be used to meet the incremental design hour planning load identified in subpart (c), please explain how the capacity resources in subpart (c) were determined.

Response:

- a. Projected design day planning load, exclusive of design hour planning load, for Winter 2022/23

Total:	393,652Dth
FT-1 Capacity Eligible (Pipeline Only):	13,910Dth
FT-2:	59,454Dth
Sales Customers:	320,655Dth

- b. Projected design hour planning load, inclusive of design day planning load, for Winter 2022/23

Total:	19,683Dth
FT-1 Capacity Eligible (Pipeline Only):	696 Dth
FT-2:	2,973Dth
Sales Customers:	16,033Dth

All values above assume a peak hour of 1/20th of the design day values in part a.

- c. The capacity resources that will be used to meet the design hour planning load in excess of the 393,652 Dth design day planning load are Algonquin Citygate supplies for 14,100 Dth/day, the Everett supplies totaling 25,000 Dth/day, the Algonquin Beverly supply and portable LNG as necessary.

Division 1-31, page 2

- d. The capacity resources noted above are forecasted to represent the most expensive capacity resources on a unitized basis in the Company's portfolio.