

**GOBIERNO DE PUERTO RICO
JUNTA REGLAMENTADORA DE SERVICIO PÚBLICO
NEGOCIADO DE ENERGÍA DE PUERTO RICO**

NEPR

Received:

Jun 28, 2022

9:56 AM

IN RE: TARIFA PERMANENTE DE LA
AUTORIDAD DE ENERGÍA ELÉCTRICA
DE PUERTO RICO

CASO NÚM.: NEPR-MI-2020-0001

ASUNTO: Moción en Cumplimiento de
Orden Dictada Durante Conferencia Técnica
Virtual Celebrada el 24 de Junio de 2022

**MOCIÓN EN CUMPLIMIENTO DE ORDEN DICTADA DURANTE CONFERENCIA
TÉCNICA VIRTUAL CELEBRADA EL 24 DE JUNIO DE 2022**

AL HONORABLE NEGOCIADO DE ENERGÍA:

COMPARECE la Autoridad de Energía Eléctrica de Puerto Rico (la “Autoridad”), a través de su representación legal, y muy respetuosamente expone, alega y solicita:

I. INTRODUCCIÓN

El 15 de junio de 2022, LUMA Energy, LLC y LUMA Energy ServCo, LLC (conjuntamente, “LUMA”), presentó ante el Negociado de Energía de la Junta Reglamentadora de Servicio Público de Puerto Rico (“Negociado de Energía”), un documento titulado Motion Submitting Quarterly Reconciliations and FCA, PPCA, and FOS Calculated Factors and Request for Confidential Treatment (“Moción de 15 de junio”). Con la Moción del 15 de junio, LUMA presentó la reconciliación de las cláusulas Fuel Clause Adjustment, Power Purchase Clause Adjustment y Fuel Oil Subsidy correspondiente a los meses de marzo, abril y mayo de 2022. Además, LUMA presentó los factores propuestos para dichas cláusulas, a estar vigentes durante el periodo de 1 de julio de 2022 a 30 de septiembre de 2022.

El 17 de junio de 2022, el Negociado de Energía notificó una Resolución y Orden (“Orden del 17 de junio”) mediante la cual impartió varias órdenes a la Autoridad y a LUMA y también les citó a comparecer a una conferencia técnica el viernes, 24 de junio de 2022. La Orden del 17 de

junio, entre otras cosas, ordenó a la Autoridad a producir cierta información y análisis en relación con las unidades generatrices de la Autoridad.

Así las cosas, el 24 de junio de 2022, la Autoridad compareció a la Conferencia Técnica. A la misma se presentaron oficiales de las áreas de generación y la oficina de combustibles de la corporación pública. Los funcionarios ofrecieron testimonio sobre temas relacionados a la Moción del 15 de marzo y, además, respondieron a todas las preguntas que a su haber tuvo el Negociado realizar.

Durante la Conferencia Técnica el Negociado de Energía realizó una serie de requerimientos de información y solicitudes de producción de documentos a la Autoridad y ordenó el cumplimiento de estas para el día de hoy, 28 de junio de 2022, en o antes de las 12:00 p.m. (la “Orden”). La Orden dirige a la Autoridad a presentar ante el Negociado de Energía los documentos base para el pronóstico del cálculo de combustible incluyendo el 0.5% marino con el *adder* de \$2.88. Se incluye como Anejo A los documentos responsivos a la Orden.

El Anejo A contiene el pronóstico del cálculo de combustible revisado donde el combustible bunker C tuvo un cambio de +2.38/bbl, así como la evidencia del precio 0.5 marino en el documento titulado JANDEC para los días indicados.

POR TODO LO CUAL, la Autoridad solicita respetuosamente a este Honorable Negociado de Energía que tome conocimiento de lo aquí informado, acepte los archivos adjuntos y de por cumplida la Orden.

RESPETUOSAMENTE SOMETIDO.

En San Juan, Puerto Rico a 28 de junio de 2022.

f/ Katuska Bolaños Lugo

Katuska Bolaños Lugo

TSPR 18,888

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San Juan, PR 00918

Tel. (787) 395-7133

Fax. (787) 497-9664

CERTIFICADO DE NOTIFICACIÓN

Certifico que este escrito ha sido presentado a la Secretaria del Negociado de Energía a través del sistema electrónico de radicación <https://radicacion.energia.pr.gov/> y, además, copia del mismo ha sido notificado a la Oficina Independiente de Protección al Consumidor por conducto de la Lic. Hannia Rivera a hrivera@oipc.pr.gov y a LUMA Energy ServCo, LLC y LUMA Energy, LLC por conducto de la Lic. Margarita Mercado a margarita.mercado@us.dlapiper.com.

En San Juan, Puerto Rico, hoy 28 de junio de 2022.

f/ Katuska Bolaños Lugo
Katuska Bolaños Lugo

Anejo A

Prices Forecast Calculation Template

Date	3-Jun-22
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Diesel

month	Platts NY ULSD	Future Price/bbl
Jun-22		\$189.36
Jul-22	4.2803	\$187.47
Aug-22	4.1549	\$182.21
Sep-22	4.0627	\$178.33
Oct-22	3.9728	\$174.56
Nov-22	3.8855	\$170.89
Dec-22	3.7972	\$167.18

Bunker C

month	Platts 1.0%	Difference Ave.	Future Price/bbl
Jun-22			\$151.07
Jul-22	109.50	38.32	\$147.82
Aug-22	108.57	38.32	\$146.89
Sep-22	107.42	38.32	\$145.74
Oct-22	106.15	38.32	\$144.47
Nov-22	104.87	38.32	\$143.19
Dec-22	103.60	38.32	\$141.92

LNG San Juan

month	Henry Hub	Future Price/MMBtu
Jun-22	8.908	18.74420
Jul-22	8.523	18.04339
Aug-22	8.510	17.28650
Sep-22	8.473	17.24395
Oct-22	8.446	17.21290
Nov-22	8.492	17.26580
Dec-22	8.562	17.34630

LNG CS + ECO

month	Henry Hub	Future Price/MMBtu
Jun-22	8.908	15.84420
Jul-22	8.523	15.40145
Aug-22	8.510	15.38650
Sep-22	8.473	15.34395
Oct-22	8.446	15.31290
Nov-22	8.492	15.36580
Dec-22	8.562	15.44630

Nomenclature

Platts NY = CME Group Platts NY Harbor ULSD Futures - Settlements

Platts 1.0% = CME Group Platts New York Harbor Residual Fuel 1.0% Futures - Settlements

Henry Hub = CME Group Henry Hub Natural Gas Futures - Settlements

Marine 0.5% + 2.88 = Platts 0.5% Dlv US Atlantic Coast Barge + \$2.88 adder per barrel

Platts 1.0% daily = CME Group Platts New York Harbor Residual Fuel 1.0% Futures - Settlements
for specific day on current month

June day	Marine 0.5% + 2.88	Platts 1.0% daily	Difference
31	142.13	107.55	34.58
1	146.23	106.77	39.46
2	146.23	108.28	37.95
3	151.07	109.80	41.27
			0.00
		Average	38.32

	TALLERES A.E.E.		TALLERES A.E.E.	
	GASOLINA	DIESEL	GASOLINA	DIESEL
	(100 a 999 gal)		(1,000 a 10,000 gal)	
FECHA	(\$/GAL)	(\$/GAL)	(\$/GAL)	(\$/GAL)
1	106.0000	107.0000	108.0000	109.0000
01-Oct-18	2.5680	2.7641	2.27476	2.50576
02-Oct-18	2.5664	2.7641	2.27476	2.50576
03-Oct-18	2.5798	2.7952	2.27476	2.50576
04-Oct-18	2.5374	2.7577	2.27476	2.50576
05-Oct-18	2.5331	2.7508	2.27476	2.50576
06-Oct-18	2.5331	2.7508	2.27476	2.50576
07-Oct-18	2.5331	2.7508	2.27476	2.50576
08-Oct-18	2.5302	2.7537	2.27476	2.50576
09-Oct-18	2.5044	2.7823	2.27476	2.50576
10-Oct-18	2.4424	2.7531	2.27476	2.50576
11-Oct-18	2.3522	2.6910	2.27476	2.50576
12-Oct-18	2.3665	2.6783	2.27476	2.50576
13-Oct-18	2.3665	2.6783	2.27476	2.50576
14-Oct-18	2.3665	2.6783	2.27476	2.50576
15-Oct-18	2.3678	2.6812	2.27476	2.50576
16-Oct-18	2.3978	2.6927	2.28846	2.62006
17-Oct-18	2.3257	2.6616	2.28846	2.62006
18-Oct-18	2.2781	2.6499	2.28846	2.62006
19-Oct-18	2.3004	2.6550	2.28846	2.62006
20-Oct-18	2.3004	2.6550	2.28846	2.62006
21-Oct-18	2.3004	2.6550	2.28846	2.62006
22-Oct-18	2.2947	2.6696	2.28846	2.62006
23-Oct-18	2.2204	2.6004	2.28846	2.62006
24-Oct-18	2.2111	2.6014	2.28846	2.62006
25-Oct-18	2.2144	2.6264	2.28846	2.62006
26-Oct-18	2.2215	2.6524	2.28846	2.62006
27-Oct-18	2.2215	2.6524	2.28846	2.62006
28-Oct-18	2.2215	2.6524	2.28846	2.62006
29-Oct-18	2.2304	2.6371	2.28846	2.62006
30-Oct-18	2.2138	2.6119	2.28846	2.62006

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[illegible]

Escalation Factor and Final Price Calculations

Deemed Date:

12/29/21

Date	Platts 0.3%S HiPr		Platts 0.7%S	
	Low	High	Low	High
12/28/21	92.97	92.99	81.24	81.26
12/29/21	93.70	93.72	81.88	81.90
12/30/21	93.95	93.97	82.09	82.11

Averages				
12/28/21	92.98		81.25	
12/29/21	93.71		81.89	
12/30/21	93.96		82.10	

Step 1 - Average:

Average	93.5500	81.7467
	46.775000	40.873333

Step 2 - Interpolation:

87.6483

Step 3 - Final Price:

Site	Scalator	Differential	Final Price
Aguirre	\$87.6483	\$7.7800	\$95.4283
Costa Sur	\$87.6483	\$7.7800	\$95.4283
San Juan - Palo Seco	\$87.6483	\$5.7100	\$93.3583

4th / 5th Ammendments

Aguirre	\$87.6483	\$6.2800	\$93.9283
Costa Sur	\$87.6483	\$6.2800	\$93.9283
San Juan - Palo Seco	\$87.6483	\$4.2800	\$91.9283

PUMA Energy from 11-01-21

Aguirre	\$87.6483	\$2.8800	\$90.5283
Costa Sur	\$87.6483	\$2.8800	\$90.5283
San Juan - Palo Seco	\$87.6483	\$2.8800	\$90.5283

Escalation Factor and Final Price Calculations

Deemed Date: **05/30/22**

Platts 0.5%S Marine Atlantic Coast

Date

05/29/22	140.870	Sunday
05/30/22	140.870	Monday
05/31/22	139.250	Tuesday

Step 1 - Average:

Average	140.330
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Step 2 - Interpolation:

140.330

Step 3 - Final Price:

Site	Scalator	Differential	Final Price
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PUMA Energy from 11-01-21

Aguirre	\$140.330	\$2.880	\$143.210
Costa Sur	\$140.330	\$2.880	\$143.210
San Juan - Palo Seco	\$140.330	\$2.880	\$143.210

Escalation Factor and Final Price Calculations

Pricing Date

05/12/22

1	3		4	5	6	7	8	9
Date:	Platts NY - ULSD		Platts USGC - ULSD		Argus NY - ULSD		Argus USGC - ULSD	
	Low	High	Low	High	Low	High	Low	High
05/11/22	520.07	520.17	403.52	403.62	509.87	510.37	396.87	399.62
05/12/22	511.06	511.16	397.51	397.61	506.61	511.61	390.36	390.86
05/13/22	511.57	511.67	386.07	386.17	512.12	517.12	383.37	389.87
	520.120		403.570		510.120		398.245	
	511.110		397.560		509.110		390.610	
	511.620		386.120		514.620		386.620	
Average:	514.2833		395.7500		511.2833		391.8250	

Interpolation:	455.0167	451.5542
	227.5083	225.7771

	Escalator	Differential	Final Price
Final Calculation:	190.3799		
Tier 1 up to 180,000 bbl		8.9900	199.3699
Tier 2 >180,000 bbl		8.7000	199.0799
Tier 3 >270,000 bbl		8.5000	198.8799
Contract Extension up to 299,000 bbl		8.0000	198.3799
Contract Extension >300,000 bbl		7.5000	197.8799
NEW CONTRACT (7/22/17)		6.7000	197.0799
ENMIENDA 4 MESES (7/21/19)		14.9000	205.2799
NEW CONTRACT (11/22/19)		10.0000	200.3799
1,200,001 - 3,600,000 bbls		9.5000	199.8799
+ 3,600,000 bbls		9.0000	199.3799
AMENDMENT CONTRACT (11/22/20)		10.0000	200.3799
1,200,001 - 3,600,000 bbls		9.5000	199.8799
+ 3,600,000 bbls		9.0000	199.3799
NOVUM Energy from 11-21-21			
vessel or barge		7.7000	198.0799
tank truck		8.6100	198.9899

Tank Truck			
Peerless	189.8810	7.3747	197.2557

130.2300	125.7300	139.32
127.9800		69.6600

Escalation Factor and Final Price Calculations

Pricing Date

05/12/22

1	3		4	5	6	7	8	9
Date:	Platts NY - ULSD		Platts USGC - ULSD		Argus NY - ULSD		Argus USGC - ULSD	
	Low	High	Low	High	Low	High	Low	High
05/11/22	520.07	520.17	403.52	403.62	509.87	510.37	396.87	399.62
05/12/22	511.06	511.16	397.51	397.61	506.61	511.61	390.36	390.86
05/13/22	511.57	511.67	386.07	386.17	512.12	517.12	383.37	389.87

520.120	403.570	510.120	398.245
511.110	397.560	509.110	390.610
511.620	386.120	514.620	386.620

Average: 514.2833 395.7500 511.2833 391.8250

Interpolation: 455.0167 451.5542
227.5083 225.7771

Final Calculation:	Escalator	Differential	Final Price
	190.3799		
Tier 1 up to 180,000 bbl		8.9900	199.3699
Tier 2 >180,000 bbl		8.7000	199.0799
Tier 3 >270,000 bbl		8.5000	198.8799
Contract Extension up to 299,000 bbl		8.0000	198.3799
Contract Extension >300,000 bbl		7.5000	197.8799
NEW CONTRACT (7/22/17)		6.7000	197.0799
ENMIENDA 4 MESES (7/21/19)		14.9000	205.2799
NEW CONTRACT (11/22/19)		10.0000	200.3799
1,200,001 - 3,600,000 bbls		9.5000	199.8799
+ 3,600,000 bbls		9.0000	199.3799
AMENDMENT CONTRACT (11/22/20)		10.0000	200.3799
1,200,001 - 3,600,000 bbls		9.5000	199.8799
+ 3,600,000 bbls		9.0000	199.3799

NOVUM Energy from 11-21-21
vessel or barge 10.7900 201.1699
tank truck 10.7900 201.1699

Tank Truck
Peerless 189.8810 7.3747 197.2557

130.2300 125.7300 139.32

127.9800 69.6600

Escalation Factor and Final Price Calculations

Pricing Date **09/13/18**

	Platts USGC - Gasoline		Platts USGC - ULSD	
	Low	High	Low	High
09/13/18	201.99	202.09	218.67	218.77
Average (¢/Gallon)		202.0400		218.7200
Average (\$/Gallon)		2.0204		2.1872
Price Differential		0.4350		0.4350
Final Price		2.4554		2.6222

Resumen Ejecutivo - Precios del Combustible
lunes, 27 de febrero de 2017

	Precio	Cambio día anterior
02/24/17		
Brent	\$56.08	-0.68
WTI	\$53.59	-0.46

Precios del combustible que compra la AEE (\$/bbl)

	No. 6 Fuel Oil			Diesel SJ, CAM, MAY, AG	Gas Natural Costa Sur (\$/MMBtu)
Fecha	SJ/PS	Aguirre	Costa Sur		
12/23/16	#N/A	#N/A	#N/A	#N/A	\$7.5921
01/23/17	#N/A	#N/A	#N/A	#N/A	\$7.8612
02/23/17	#N/A	#N/A	#N/A	#N/A	\$8.5833
Precio más reciente en \$/MMBtu	#N/A	#N/A	#N/A	#N/A	\$8.5833
Pronóstico febrero 2017	\$62.3649	\$64.4349	\$64.4349	\$80.8916	\$8.2222

				Promedio 6 meses previos	Precio GN mensual (\$/MMBTU)	Henry Hub	Precio Final GN (\$/MMBTU)
	0.3% S LP	0.7% S	Promedio				
Jan-14	126.383	101.087	113.74	104.9800			13.6399
Feb-14	129.772	107.667	118.72				13.6399
Mar-14	118.413	108.339	113.38				13.6399
Apr-14	112.749	102.402	107.58	112.0700			14.5089
May-14	107.821	100.966	104.39				15.3967
Jun-14	106.617	99.724	103.17				15.3967
Jul-14	109.228	97.301	103.26	110.1600			15.1598
Aug-14	102.585	91.723	97.15				15.1598
Sep-14	99.435	90.024	94.73				15.1598
Oct-14	89.407	77.858	83.63	101.7100			14.1120
Nov-14	83.404	69.434	76.42				14.1120
Dec-14	69.838	54.787	62.31				14.1120
Jan-15	57.156	46.368	51.76	86.2500			12.1950
Feb-15	66.911	55.904	61.41				12.1950
Mar-15	60.928	49.472	55.20				12.1950
Apr-15	61.658	50.865	56.26	65.1200			9.5749
May-15	61.888	53.905	57.90				9.5749
Jun-15	59.686	52.588	56.14				9.5749
Jul-15	52.307	45.159	48.73	56.4500			8.4998
Aug-15	44.453	37.299	40.88				8.4998
Sep-15							8.4998

Natural Gas Costa Sur			Platts Publication																				
Current Month				1 st Publication Next Month																			
Month	NO6 FO		Average	Previous 6 Months		NO6 FO		Average	(12.15%F#6+1.125)		P1	Nymex Last Trading Day		P2	Tier 3 50%P1+50%P2	Final Price	Tier 3 x HRNF (HRNF=0.97)	F#6 _{t-11}	(F#6 _{t-11} + 1.29) x HRNF				
	0.3% S LP	0.7% S		0.3% S LP	0.7% S	0.3% S LP	0.7% S		Henry Hub														
2015-04	61.658	50.865	56.26																				
2015-05	61.888	53.905	57.90																				
2015-06	59.686	52.588	56.14																				
2015-07	52.307	45.159	48.73																				
2015-08	44.453	37.299	40.88																				
2015-09	43.396	36.246	39.82																				
2015-10	46.363	38.663	42.51	49.96						7.1951	2.563	09/28/15	8.8975	8.0464									
2015-11	45.007	36.384	40.70							7.1951	2.033	10/28/15	8.2880	7.7416									
2015-12	35.599	26.571	31.09							7.1951	2.206	11/25/15	8.4869	7.8411									
2016-01	30.425	22.223	26.32	40.62						6.0603	2.372	12/29/15	8.6778	7.3691									
2016-02	31.363	23.798	27.58							6.0603	2.189	01/27/16	8.4674	7.2639									
2016-03	31.685	26.321	29.00							6.0603	1.711	02/25/16	7.9177	6.9891									
2016-04	34.372	28.756	31.56	32.87						5.1187	1.903	03/29/16	8.1385	6.6287									
2016-05	42.455	35.815	39.14							5.1187	1.995	04/27/16	8.2443	6.6816									
2016-06	46.761	39.409	43.09							5.1187	1.963	05/26/16	8.2075	6.6632									
2016-07	46.157	38.694	42.43	32.78						5.1078	2.917	06/28/16	9.3046	7.2062									
2016-08	46.457	39.860	43.16							5.1078	2.672	07/27/16	9.0228	7.0653									
2016-09	47.484	40.724	44.10							5.1078	2.853	08/29/16	9.2310	7.1694									
2016-10	51.315	44.565	47.94	40.58						6.0555	2.952	09/28/16	9.3448	7.7002									
2016-11	48.557	41.807	45.18							6.0555	2.764	10/27/16	9.1286	7.5921									
2016-12	55.360	49.324	52.34							6.0555	3.232	11/28/16	9.6668	7.8612									
2017-01	58.939	52.577	55.76	45.860						6.6970	3.930	12/28/16	10.4695	8.5833									
2017-02	55.602	51.262	53.43							6.6970	3.391	01/27/17	9.8497	8.2734									
2017-03	50.004	45.913	47.96							6.6970	2.627	02/24/17	8.9711	7.8341									
2017-04	51.213	46.713	48.96	50.440						7.2535	3.175	03/29/17	9.6013	8.4275									
2017-05	49.904	46.101	48.00							7.2535	3.142	04/26/17	9.5633	8.4085									
2017-06	47.747	43.997	45.87							7.2535	3.236	05/26/17	9.6714	8.4625									
2017-07	50.681	46.931	48.81	50.000						7.2000	3.067	06/28/17	9.4771	8.3386									
2017-08	51.856	48.139	50.00							7.2000	2.969	07/27/17	9.3644	8.2822									
2017-09	54.816	51.216	53.02							7.2000	2.961	08/29/17	9.3552	8.2776									
2017-10	56.385	52.610	54.50	49.110						7.0919	2.974	09/27/17	9.3701	8.2311									
2017-11	62.674	58.989	60.83							7.0919	2.752	10/27/17	9.1148	8.1034									
2017-12	62.199	58.589	60.39							7.0919	3.074	11/28/17	9.4851	8.2886									
2018-01	69.153	62.584	65.87	54.590						7.7577	2.738	12/27/17	9.0987	8.4283	8.1755	8.1755	10.9237	11.8473					
2018-02	65.575	57.758	61.67			69.153	62.584	65.87		7.7577	3.631	01/29/18	10.1257	8.9418	8.6735	8.6735	10.2272	11.1717					
2018-03	66.570	58.058	62.31			65.575	57.758	61.67		7.7577	2.639	02/26/18	9.9849	8.3714	8.1203	8.1203	10.3333	11.2746					
2018-04	69.267	61.267	65.27	60.930		66.57	58.058	62.31		8.5280	2.691	03/27/18	9.0447	8.7864	8.5228	8.5228	10.8242	11.7508					
2018-05	75.688	67.688	71.69			69.267	61.267	65.27		8.5280	2.821	04/26/18	9.1942	8.8611	8.5953	8.5953	11.8889	12.7835					
2018-06	76.311	68.311	72.31			75.688	67.688	71.69		8.5280	2.875	05/29/18	9.2563	8.8922	8.6254	8.6254	11.9917	12.8833					
2018-07	78.032	72.228	75.13	66.520		76.311	68.311	72.31		9.2072	2.996	06/27/18	9.3954	9.3013	9.0223	9.0223	12.4594	13.3369					
2018-08	75.848	67.848	71.85			78.032	72.228	75.13		9.2072	2.822	07/27/18	9.1953	9.2013	8.9253	8.9253	11.9154	12.8093					
2018-09	77.279	69.279	73.28			75.848	67.848	71.85		9.2072	2.895	08/29/18	9.2793	9.2433	8.9660	8.9660	12.1526	13.0393					
2018-10	84.927	75.02	79.97	71.590		77.279	69.279	73.28		9.8232	3.021	09/26/18	9.4242	9.6237	9.3350	9.3350	13.2620	14.1155					
2018-11	77.898	67.929	72.91			84.927	75.02	79.97		9.8232	3.185	10/29/18	9.6128	9.718	9.4265	9.4265	12.0912	12.9798					
2018-12	69.293	58.988	64.14			77.898	67.929	72.91		9.8232	4.715	11/28/18	11.3723	10.5978	10.2799	10.2799	10.6368	11.5690					
2019-01	70.989	61.025	66.01	72.880		69.293	58.988	64.14		9.9799	3.642	12/27/18	10.1383	10.0592	9.7574	9.7574	10.9469	11.8698					
2019-02	75.055	67.371	71.21			70.989	61.025	66.01		9.9799	2.950	01/29/19	9.3425	9.6613	9.3715	9.3715	11.8093	12.7063					
2019-03	75.819	68.319	72.07			75.055	67.371	71.21		9.9799	2.855	02/26/19	9.2333	9.6067	9.3185	9.3185	11.9519	12.8446					
2019-04	77.896	70.344	74.12	71.050		75.819	68.319	72.07		9.7576	2.713	03/27/19	9.07	9.4138	9.1314	9.1314	12.2919	13.1744					
2019-05	77.621	68.828	73.22			77.896	70.344	74.12		9.7576	2.566	04/26/19	8.9009	9.3293	9.0494	9.0494	12.1426	13.0296					
2019-06	75.445	67.235	71.34			77.621	68.828	73.22		9.7576	2.633	05/29/19	8.978	9.3678	9.0868	9.0868	11.8308	12.7272					
2019-07	75.802	68.302	72.05	71.330		75.445	67.235	71.34		9.7916	2.291	06/26/19	8.5847	9.1882	8.9126	8.9126	11.9486	12.8414					
2019-08	70.550	60.265	65.41			75.802	68.302	72.05		9.7916	2.141	07/29/19	8.4122	9.1019	8.8288	8.8288	10.8474	11.7733					
2019-09	74.830	64.315	69.57			70.550	60.265	65.41		9.7916	2.251	08/28/19	8.5387	9.1652	8.8902	8.8902	11.5373	12.4425					
2019-10	78.592	68.243	73.42	70.950		74.830	64.315	69.57		9.7454	2.428	09/26/19	8.7422	9.2438	8.9665	8.9665	12.1758	13.0618					
2019-11	76.516	67.738	72.13			78.592	68.243	73.42		9.7454	2.597	10/29/19	8.9366	9.341	9.0608	9.0608	11.9619	12.8543					
2019-12	86.069	74.925	80.5			76.516	67.738	72.13		9.7454	2.470	11/26/19	8.7905	9.268	8.9900	8.9900	13.3499	14.2007					
2020-01	87.024	75.012	81.02	72.180		86.069	74.925	80.5		9.8949	2.158	12/27/19	8.4317	9.1634	8.8885	8.8885	13.4362	14.2844					
2020-02	72.612	61.638	67.13			87.024	75.012	81.02		9.8949	1.877	01/29/20	8.1086	9.0018	8.7317	8.7317	11.1327	12.0500					
2020-03	4																						

2034.235
2034.235
2136.645

Escalation factor calculations

Pricing Date **01/03/17**

Indexes for Ultra Low Sulfur Diesel

	Platts NY		Platts USGC		Argus NY		Argus USGC	
	Low	High	Low	High	Low	High	Low	High
01/02/17	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
01/03/17	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
01/04/17	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A

First step: Average

Platts New York	#N/A
Platts US Gulf Coast	#N/A
Argus New York	#N/A
Argus US Gulf Coast	#N/A

Second step: Interpolation

Platts ULSD	#N/A
Argus ULSD	#N/A

Third step: Final calculation

Escalation factor for a delivery commencing on November 2nd, 2016
$= [0.5 (\text{Platts ULSD}) + 0.5 (\text{Argus ULSD})] * 0.42$
#N/A
#N/A

Escalation factor calculations

Pricing Date **02/28/17**

Indexes for No. 6 Fuel Oil

	Platts NY 0.3%S HP		Platts NY 0.7%S	
	Low	High	Low	High
02/27/17	#N/A	#N/A	#N/A	#N/A
02/28/17	#N/A	#N/A	#N/A	#N/A
03/01/17	#N/A	#N/A	#N/A	#N/A

First step: Average

Platts NY 0.3%S HP	#N/A
Platts NY 0.7%S	#N/A

Second step: Interpolation and final calculation

Escalation factor for a delivery commencing on December 6, 2016	
= $[\frac{1}{2} (\text{Platts NY 0.3\%S HP}) + \frac{1}{2} (\text{Platts NY 0.7\%S})]$	
#N/A	
#N/A	

Pricing Date 12/19/16

12/19/16

1	2	3	4	5	6	7	8	9
Date:	Platts NY - ULSD		Platts USGC - ULSD		Argus NY - ULSD		Argus USGC - ULSD	
	Low	High	Low	High	Low	High	Low	High
12/19/16	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
Average:	#N/A		#N/A		#N/A		#N/A	
Interpolation:	#N/A				#N/A			
	#N/A				#N/A		#N/A	0.42 #N/A
Final Calculation:	Escalator	Differential	Final Price					
	#N/A	7.3900	#N/A					
	#N/A	7.6247	#N/A		#N/A			
							983.26	6 163.8767
							904.86	6 150.8100
							958.3	6 159.7167
							895.3	6 149.2167

Escalation factor and final price calculations
 Shipment #902-04-15-SJPS-64

Interpolation between Heating Oil and ULSD
 Pricing Date 05/03/16

Date	Platts Oilgram Price Report								Argus US Products							
	New York/Boston Barge				US Gulf Coast Water Borne				New York Waterborne				US Gulf Coast Waterborne			
	No. 2		ULSD		No. 2		ULSD		Heating oil		ULSD		Heating Oil		ULSD	
	Low	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low	High
05/02/16	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
05/03/16	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
05/04/16	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A

Average:

	Average Index	Sulfur %
Platts No. 2	#N/A	0.5000
Platts ULSD	#N/A	0.0015
Argus No. 2	#N/A	0.5000
Argus ULSD	#N/A	0.0015

Interpolation:
 for 0.068% Sulfur

	Calculated Value	Sulfur %
Platts	#N/A	0.0680
Argus	#N/A	0.0680

Final Calculations:

50% Platts	#N/A	c/gallon
50% Argus	#N/A	c/gallon
Escalator	#N/A	c/gallon
	#N/A	\$/BBL
Price Differential	8.5000	\$/BBL
Final Price	#N/A	\$/BBL
Final Price as per contract	64.5231	\$/BBL
Difference	#N/A	\$/BBL