BERMUDA ELECTRIC LIGHT COMPANY LIMITED

P.O. BOX HM 1026, HAMILTON HM DX. BERMUDA TELEPHONE: (441) 295-5111 FAX: EXECUTIVE (441) 292-8975 CUSTOMER SERVICE (441) 292-7832

EMAIL: info@belco.bm WERSITE: www.belco.bm



PLEASE QUOTE OUR REF

June 14, 2016

The Energy Commission c/o The Ministry of Energy, Telecommunications and E-Commerce PO Box HM 101 Hamilton, HM AX

Attention: Mr. Michael Leverock, Chairman

TARIFF FILING

Dear Mr. Leverock,

This is to advise you that we wish to make the following changes to the fuel adjustment rate ("FAR") and Commercial renewable system excess energy rate ("CRSEER"):

- 1. FAR Increase from the existing rate of 7.65 cents per kilowatt-hour sold for June 2016 to 9.05 cents per kilowatt-hour sold for July 2016; and
- 2. CRSEER Increase from 12.50 cents per kilowatt-hour for June 2016 to 13.97 cents per kilowatt-hour for all meters read during the month of July 2016.

The CRSEER represents the rate BELCO will pay commercial owners for excess energy they have generated but not consumed and have exported to BELCO.

As directed by the Energy Commission in accordance with Schedule 1 Paragraph 16 of the Energy Act 2009, our submission in support of this request is attached for your review.

The actual fuel adjustment cost recovery position as at 31st May, 2016 was \$561,152 over recovered as compared to the projected \$781,814 over recovery position projected in April. The \$220,662 unfavorable variance is due to:

- The total actual barrels of fuel consumed in May were 4,904 barrels higher than projected resulting in a negative impact on the recovery position of \$191,600;
- Net price variance <u>negatively</u> impacted the recovery position by \$19,063;
- Actual May electric sales were 744,212 KWH's higher than projected. This variance resulted in a net positive impact on the fuel recovery position of \$53,597; and
- Fuel interest finance cost incurred in May <u>negatively</u> impacted the recovery position by \$63,596.

BERMUDA ELECTRIC LIGHT COMPANY LIMITED

As always, we are available to meet with the Energy Commission to discuss our FAR submission. We will continue to monitor our projections to ensure that our submitted FAR requests enable us to achieve a break-even position on fuel costs. Should you have any questions concerning the above, please do not hesitate to contact us.

Yours sincerely,

BERMUDA ELECTRIC LIGHT COMPANY LIMITED

Carolyn Dutton

Financial Accountant



Bermuda Electric Light Company Limited

Fuel Adjustment Submission

FOR PUBLIC DISCLOSURE

July 2016

This information is provided to the Bermuda Energy Commission as directed by them on December 30, 2013, in accordance with Schedule 1, Paragraph 16 of the Bermuda Energy Act 2009. This information should be read in conjunction with documents filed by Ascendant Group Limited with the Bermuda Stock Exchange. Please refer to the Company's website at www.belco.bm for further information describing Bermuda Electric Light Company Limited. In accordance with Part 4, Paragraph 26A Clause (1)(c)(i) of the Bermuda Energy Act 2009, certain information provided to the Bermuda Energy Commission has been designated as confidential on the grounds that it could result in material financial loss or gain to any person and therefore has been excluded.



Fuel Adjustment Submission

Table of Contents

	PAGE
Graph - Cost per Barrel of Heavy Fuel Oil Purchased	<u>3</u>
Graph - Cost per Barrel of Diesel Fuel Oil Purchased	4
Table of Heavy Fuel Oil Inventory Activity	<u>5</u>
Graph - Heavy Fuel Oil Inventory Activity	<u>6</u>
Table of Diesel Fuel Oil Inventory Activity	<u>7</u>
Graph - Diesel Fuel Oil Inventory Activity	8
Table of Heavy Fuel Oil Costs Per Shipment	9
Table of Diesel Fuel Oil Per Shipment	<u>10</u>
Graph - Barrels of Fuel Consumed	<u>11</u>
Graph - Fuel Consumption & Kilowatt Hours Sold	<u>12</u>
Graph - Kilowatt Hours Sold	<u>13</u>
Graph - Maximum 15-Minute & Hourly Peak Kilowatt Hour Demand	<u>14</u>
Graph - Fuel Adjustment Rate vs. Platt's Indices for Heavy & Diesel Fuel	<u>15</u>

Fuel Adjustment Over/(Under) Recovery - Previous Month	<u>16</u>
Fuel Consumption Projections - Forward Three Months	<u>17</u>
Fuel Adjustment Over/(Under) Recovery Projections - Existing Rate	<u>18</u>
Fuel Adjustment Over/(Under) Recovery Projections - Requested Rate	<u>19</u>
Fuel Adjustment Over/(Under) Recovery Projections - Full Cost	<u>20</u>
Generators Available for Service - Previous Month	<u>21</u>
Generators Out of Service - Previous Month	<u>22</u>
Scheduled Generator Maintenance - Filing Period	<u>23</u>
Other Events Affecting The Fuel Adjustment Calculation	<u>24</u>

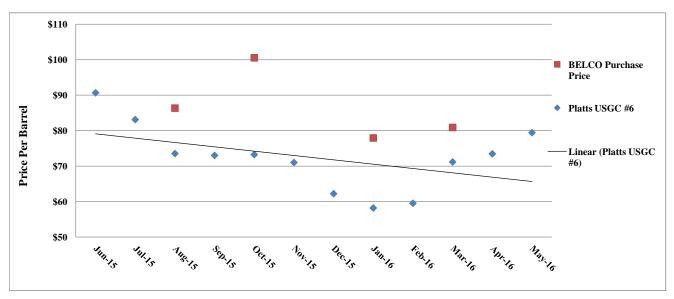


Heavy Fuel Oil Purchased

Versus

Platt's U.S. Gulf Coast Waterborne mid-No. 6, 3% Sulfur Heavy Fuel Oil

Previous Twelve Months

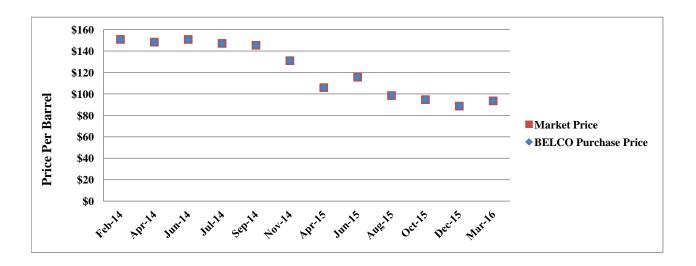


N.B. In accordance with the Fuel Supply Agreement for Platt's U.S. Gulf Coast Waterborne mid-No. 6, 3% Sulfur Heavy Fuel Oil between BELCO and Shell Western Trading Limited, the contracted price is stipulated as the 30-day average for Platt's U.S. Gulf Coast Waterborne mid-No. 6, 3% Sulfur Heavy Fuel Oil.



Diesel Fuel Oil Purchased

Previous Twelve Months



N.B. In accordance with the Fuel Supply Agreement for No. 2 Diesel Oil between BELCO and Coral Petroleum Company Limited, the contracted price is stipulated as the Platt's U.S. Gulf Coast Waterborne mid Ultra Low Sulfur Diesel, 3-day average center Bill of Lading Date which is the date the fuel is loaded on to the vessel. As BELCO does not enter into forward contracts for the supply of diesel fuel, the price BELCO pays is equal to the Platt's price.

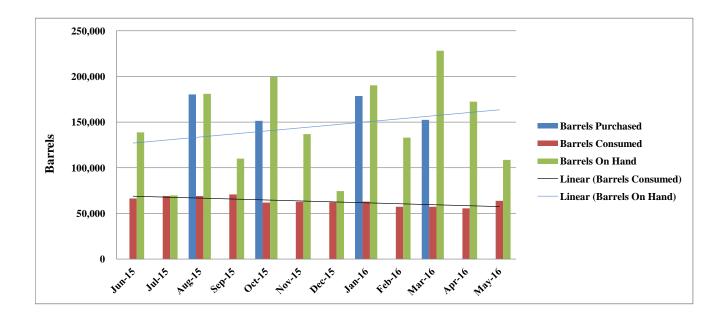


Heavy Fuel Oil Inventory Activity

Date Barrels Purchased		Barrels Consumed	Barrels On Hand
June, 2015	-	66,399.00	138,772.72
July, 2015	-	69,022.00	138,772.72
August, 2015	180,297.11	69,125.00	249,944.83
September, 2015	-	70,852.00	179,092.83
October, 2015	151,329.70	61,874.55	268,547.98
November, 2015	-	62,737.00	205,810.98
December, 2015	-	62,251.00	74,553.17
January, 2016	178,534.67	62,874.00	190,213.84
February, 2016	-	57,254.00	132,959.84
March, 2016	152,460.51	57,382.00	228,038.35
April, 2016	-	55,652.00	172,386.35
May, 2016	-	63,805.00	108,581.35



Graph of Heavy Fuel Oil Inventory Activity



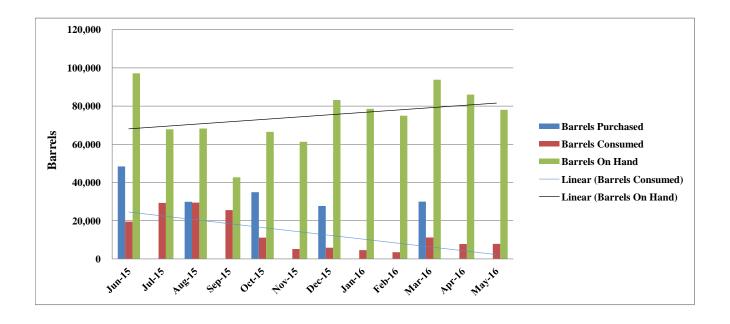


Diesel Fuel Oil Inventory Activity

Date	Barrels Purchased	Barrels Consumed	Barrels On Hand	
June, 2015	48,413.33	19,525.00	97,121.24	
July, 2015	-	29,286.00	67,835.24	
August, 2015	29,940.60	29,499.00	68,276.84	
September, 2015	-	25,552.00	42,724.84	
October, 2015	34,952.60	11,171.00	66,506.44	
November, 2015	-	5,216.00	61,290.44	
December, 2015	27,725.60	5,874.00	83,142.70	
January, 2016	-	4,594.07	78,548.63	
February, 2016	-	3,566.00	74,982.63	
March, 2016	30,023.88	11,234.65	93,771.86	
April, 2016	-	7,806.00	85,965.86	
May, 2016	-	7,934.26	78,031.60	



Graph of Diesel Fuel Oil Inventory Activity





Heavy Fuel Oil Costs Per Shipment

In accordance with Part 4, Paragraph 26A Clause (1)(c)(i) of the Bermuda Energy Act 2009, certain information provided to the Bermuda Energy Commission has been designated as confidential on the grounds that it could result in material financial loss or gain to any person and therefore has been excluded.



Diesel Fuel Oil Costs Per Shipment

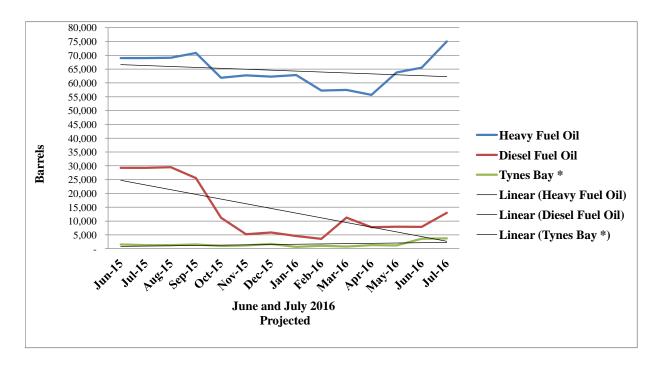
In accordance with Part 4, Paragraph 26A Clause (1)(c)(i) of the Bermuda Energy Act 2009, certain information provided to the Bermuda Energy Commission has been designated as confidential on the grounds that it could result in material financial loss or gain to any person and therefore has been excluded.



Barrels of Fuel Consumed

Previous Twelve Months

Plus Two Month Forward Projection



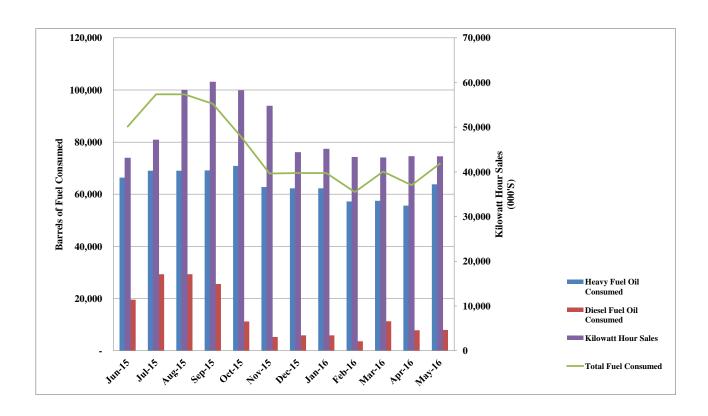
^{*} BELCO calculates an efficiency rating for its generators on a monthly basis. This is calculated as the estimated kilowatt hours that will be generated that month divided by the estimated number of barrels of fuel that will be used. Therefore, the equivalent barrels of fuel is calculated for Tynes Bay as the amount of kilowatt hours delivered by Tynes Bay to BELCO divided by this budgeted efficiency rating.



Fuel Consumption

Versus

Kilowatt Hour Sales

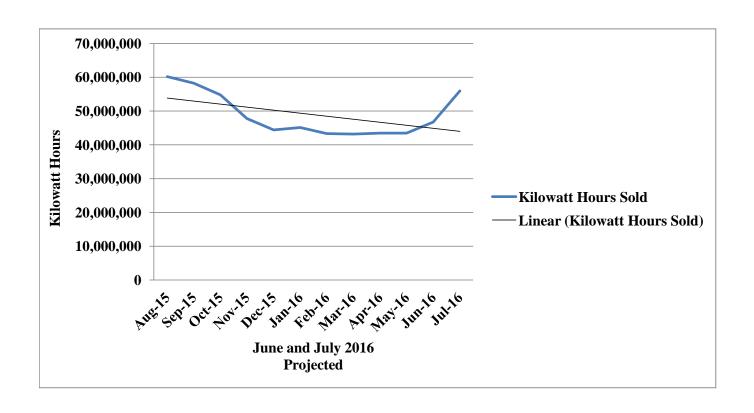




Kilowatt Hour Sales

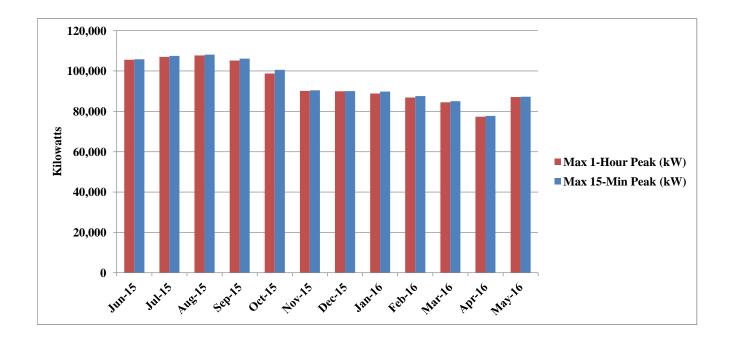
Previous Twelve Months

Plus Two Month Forward Projection





Maximum 15-Minute & Hourly Peak Kilowatt Hour Demand





Fuel Adjustment Rate

Versus

Platt's Indices for Heavy and Diesel Fuel Oils





Fuel Adjustment Over / (Under) Recovery

For the Month Ended 31st May 2016

Opening Balance at 1 May 2016 <u>Fuel Consumption</u>		\$	\$	\$ 1,370,559
Diesel -7,934.26 @ \$94.7667		751,904	512.054	
Less: Fuel Consumption @ \$30/bbl		(238,028)	513,876	
Heavy - 19,925.84 bbls @ \$65.5166		1,305,473		
Heavy - 30,000 bbls @ \$88.7492		2,662,476		
Heavy - 13,879.16 bbls @ \$88.5872		1,229,516		
Less: Fuel Consumption @ \$30/bbl		(1,914,150)	3,283,315	
Tynes Bay - 827,524 kWh @ \$0.185		153,092		
Less: (827,524 kWh /718.1) 1,152.38 bbls @ \$30/bbl		(34,571)	118,521	
2666. (627,621 177,1617) 1,162166 6616 6 4667661		(6.3671)	3,915,712	
Deduct: Fuel Adjustment Revenue (after discount)				
	\$3,325,711	@ .95315	3,169,901	
May over / (under) recovery				(745,811)
Interest Expense				(63,596)
Ending Balance at 31 May 2016				561,152



Fuel Consumption Projections

Forward Three Months

Shipment			Amount	Total	FADJ (less
Date	Type	Hedged	(Barrels)	Cost/Barrel	\$30/bbl)
March 16	Heavy	Yes	16,120.84	88.5872	58.5872
March 16	Heavy	Yes	30,000.00	85.4991	55.4991
March 16	Heavy	No	62,460.51	71.2312	41.2312
June 2016	Heavy	Yes	30,000.00	86.0591	56.0591
June 2016	Heavy	Yes	30,000.00	83.3254	53.3254
June 2016	Heavy	Yes	30,000.00	78.7185	48.7185
June 2016	Heavy	Yes	90,000.00	84.7125	54.7125
October 15	Diesel	No	20,282.42	94.7667	64.7667
December 15	Diesel	No	27,725.30	94.9818	64.9818



Fuel Adjustment Over/(Under) Recovery Projections

At Existing Fuel Adjustment Rate

Three Months Forward

		Ov	er (Under) Recov	ery account as at end	of previous month:	\$ 561,152
Projected kWh						
Sales - June						
2016	46,728,561		At 7.65 FADJ	@ 95315 (discount)	\$ 3,407,259	
Projected fuel						
consumed		Shipment Date	Barrels	FADJ Cost/Barrel	Total Cost	
	Diesel	October 2015	7,884	\$ (64.77)	\$ (510,620.66)	
	Heavy	March 2016	16,121			
	Heavy	March 2016	30,000	. ,	\$ (1,664,973.00)	
	Heavy	March 2016	19,420		\$ (800,716.50)	
	Tynes Bay	N/A	3,634	\$ (95.36)	\$ (346,523.93)	
	Total Barrels		77,059			(860,050)
		Projecte	d Over (Under) R	ecovery account as at	end of this month:	(298,898)
Projected kWh						
Sales - July						
2016	55,991,114		FADJ	7.65	\$ 4,283,320	
Projected fuel						
consumed		Shipment Date	Barrels	FADJ Cost/Barrel	Total Cost	
	Diesel	October 15	12,398		\$ (803,004.75)	
	Diesel	December 15	619	,	\$ (40,196.44)	
	Heavy	March 2016	43,040	\$ (41.23)	\$ (1,774,605.28)	
	Heavy	June 2016	30,000	()	\$ (1,681,773.00)	
	Heavy	June 2016	1,995		\$ (106,365.51)	
	Tynes Bay	N/A	3,753	\$ (95.41)	\$ (358,124.58)	
	Total Barrels		91,805			(480,749)
		Projecte	d Over (Under) R	ecovery account as at	end of this month:	(779,648)
Projected kWh						
Sales - August						
2016	60,076,866		FADJ	7.65	\$ 4,595,880	
Projected fuel						
consumed		Shipment Date	Barrels	FADJ Cost/Barrel	Total Cost	
	Diesel	December 2015	27,034	\$ (64.98)	\$ (1,756,717.98)	
	Heavy	June 2016	28,005			
	Heavy	June 2016	30,000	\$ (48.72)	\$ (1,461,555.00)	
	Heavy	June 2016	14,501	\$ (54.71)	\$ (793,366.81)	
	Tynes Bay	N/A	2,670	\$ (93.23)	\$ (248,907.92)	
	Total Barrels		102,210			(1,158,064)
		Projecte	d Over (Under) R	ecovery account as at	end of this month:	(1,937,712)



Fuel Adjustment Over/(Under) Recovery Projections

At Requested Fuel Adjustment Rate

Three Months Forward

Over (Under) Recovery account as at end of previous month:							\$ 561,152
			I	I			I
Projected kWh							
Sales - June	45.500.551			0.5045 (11)		2 407 250	
2016	46,728,561		At 7.65 FADJ	@ 95315 (discount)	\$	3,407,259	
Projected fuel		GI. A.D. A	D 1	EADIG AD I		T . 1.C .	
consumed	D: I	Shipment Date	Barrels	FADJ Cost/Barrel	Φ.	Total Cost	
	Diesel	October 2015	7,884	, ,		(510,620.66)	
	Heavy	March 2016	16,121	\$ (58.59) \$ (55.50)		(944,474.88)	
	Heavy	March 2016	30,000	. ,	-	(1,664,973.00)	
	Heavy	March 2016	19,420	. ,	-	(800,716.50)	
	Tynes Bay	N/A	3,634		\$	(346,523.93)	(0.50.056
	Total Barrels		77,059				(860,050
		Proje	cted Over (Under	Recovery account a	s at	end of this month:	(298,898
			ı	I			I
Projected kWh							
Sales - July							
2016	55,991,114		FADJ	9.05	\$	5,067,196	
Projected fuel							
consumed		Shipment Date	Barrels	FADJ Cost/Barrel		Total Cost	
	Diesel	October 15	12,398	\$ (64.77)		(803,004.75)	
	Diesel	December 15	619	\$ (64.98)	\$	(40,196.44)	
	Heavy	March 2016	43,040	\$ (41.23)	\$	(1,774,605.28)	
	Heavy	June 2016	30,000	\$ (56.06)	\$	(1,681,773.00)	
	Heavy	June 2016	1,995	\$ (53.33)	\$	(106,365.51)	
	Tynes Bay	N/A	3,753	\$ (95.41)	\$	(358,124.58)	
	Total Barrels		91,805				303,126
	•	Proje	cted Over (Under	Recovery account a	s at	end of this month:	4,228
		<u> </u>	·	· •			-
Projected kWh							
Sales - August							
2016	60,076,866		FADJ	9.55	\$	5,737,341	
Projected fuel						,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
consumed		Shipment Date	Barrels	FADJ Cost/Barrel		Total Cost	
	Diesel	December 2015	27,034	\$ (64.98)	\$	(1,756,717.98)	
	Heavy	June 2016	28,005	. ,	_	(1,493,396.49)	
	Heavy	June 2016	30,000	()	_	(1,461,555.00)	
	Heavy	June 2016	14,501	\$ (54.71)		(793,366.81)	
	Tynes Bay	N/A	2,670	, ,		(248,907.92)	
	Total Barrels	1111	102,210	Ψ (73.23)	Ψ	(2.10,707.92)	(16,604
	2000 201100	Proje	,	Recovery account a	s at 4	end of this month.	(12,376



Fuel Adjustment Over/(Under) Recovery Projections

At Requested Fuel Adjustment Rate - Full Cost

Three Months Forward

			Projected Over (Under) Recovery acco	oun	t as at end of May:	\$ (298,898)
Projected kWh Sales - July 2016	55,991,114		FADJ	13 97	\$	7,821,959	
Projected fuel consumed	Shipment Date		Barrels	FADJ Cost/Barrel	Ψ	Total Cost	
	Diesel Diesel	October 15 December 15	12,398 619	, ,		(1,174,957.35) (58,753.84)	
	Heavy Heavy	March 2016 June 2016	43,040 30,000	\$ (71.23) \$ (86.06)	_	(3,065,815.78) (2,581,773.00)	
	Heavy Tynes Bay	June 2016 N/A	1,995 3,753	. ,		(166,205.01) (470,728.80)	
	Total Barrels		91,805	(=20111)	_	(1.2,123100)	303,725
		Projec	cted Over (Under	Recovery account as	s at	end of this month:	4,826
Projected kWh Sales - August 2016	60,076,866		FADJ	14.65	\$	8,801,261	
Projected fuel consumed		Shipment Date	Barrels	FADJ Cost/Barrel		Total Cost	
	Diesel Heavy	December 2015 June 2016	27,034 28,005	. ,	_	(2,567,737.98) (2,333,556.99)	
	Heavy	June 2016	30,000	\$ (78.72)	\$	(2,361,555.00)	
	Heavy Tynes Bay	June 2016 N/A	14,501 2,670	. ,	_	(1,228,386.31) (329,004.00)	
	Total Barrels		102,210				(18,979)
		Projec	cted Over (Under	Recovery account as	s at	end of this month:	(14,153)



Generators Available for Service

May 2016

Generator	Available	Type of fuel Consumed	Barrels of Fuel Consumed	Efficiency Rating*
E1	Yes	HFO	7319	695
E2	Yes	HFO	9985	681
E3	Yes	HFO	6715	704
E4	Yes	HFO	5998	700
E5	Yes	HFO	11954	700
E6	Yes	HFO	11773	713
E7	Yes	HFO	11757	723
E8	Yes	HFO	3143	731
D3	Yes	LFO	2077	609
D8	Yes	LFO	1911	623
D10	Yes	LFO	1633	582
D14	Yes	LFO	158	576
GT4	Yes	LFO	234	233
GT5	Yes	LFO	54	341
GT6	Yes	LFO	58	590
GT7	Yes	LFO	9	522
GT8	Yes	LFO	11	605

^{*} Efficiency Rating = Amount of kilowatt hours generated per barrel consumed



Generators Out of Service

May 2016

Unit	Category	Туре	Forced Outage Details		Return Date
E4	Main Engine	MO	Unit out to carry out hot deflections	05/29/16	05/29/16
D10	Main Engine	MO	D10 M/o for exhaust manifold supports	05/29/16	TBD
GT6	Main Engine	PO	Unit out for annual service	05/22/16	05/23/16
E7	Auxilary Systems	MO	Unit out to service Cy#1A cam Lobe	05/22/16	05/23/16
GT7	Main Engine	PO	Unit out for Service	05/20/16	05/22/16
E2	Auxilary Systems	FO (Immediate)	Unit forced out for JCW pipe failure. Main outlet header to de-aerator.	05/20/16	05/21/16
GT8	Main Engine	PO	Unit to planned outage for intermediate service.	05/16/16	05/19/16
E2	Main Engine	FO (Immediate)	JCW leak from cracked vent line on header	05/13/16	05/13/16
D14	Main Engine	FO (Immediate)	high crankcase pressure	05/13/16	05/13/16
D14	Main Engine	FO (Immediate)	Unit tripped on High crankcase pressure	05/13/16	05/14/16
E3	Auxilary Systems	MO	Unit out to repair fuel leaks, cylinders # 6A, 1B, and 8B.	05/11/16	05/12/16
E1	Auxilary Systems	FO (Postpone)	Cylinder #5 Exhaust Valve blowing from around seat southern side.	05/10/16	05/10/16
E1	Main Engine	FO (Immediate)	Exhaust leak Loose Injector Cyl 5	05/10/16	05/10/16
E8	Main Engine	PO	18K service	05/08/16	TBD
E6	Instrumentation & Control System	MO	E6 out to clear T/C drain.	05/01/16	05/01/16
D8	Electrical System	MO	D8 unit transformer repair	05/01/16	05/05/16



Scheduled Generator Maintenance

June 2016

Generator	Maintenance Type	Outage Date	Return Date
E8	9k	05/09/16	06/07/16
E3	9k	06/02/16	06/10/16
D3	9k	06/13/16	06/16/16
E5	6k	06/30/16	07/08/16



Other Events Affecting the Fuel Adjustment Rate

- Details of any insurance claims submitted by BELCO which directly impact the Fuel Adjustment Rate.
 No insured losses have been incured by BELCO during the filing period that would result in a potential insurance claim.
- Any major events that have a direct impact on the Fuel Adjustment Rate.
 The increase in duty on fuel imports effective 1 April 2016 increases fuel adjustment rates.
- Changes in Debt Facilities Affecting the Fuel Adjustment Rate.
 The current overdraft facility which expires on 30 June, 2016 has a maximum limit of \$21 million.
- Change in the Discount calculated on customer invoices
 Starting in July 2016 the early payment discount offered to customers will no longer be calculated on the fuel adjustment.