

**GOVERNMENT OF PUERTO RICO  
PUBLIC SERVICE REGULATORY BOARD  
PUERTO RICO ENERGY BUREAU**

<del>NEPR</del>  <b>Received:</b>  Mar 20, 2020  8:02 PM
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**IN RE:**

**PUERTO RICO ELECTRIC POWER  
AUTHORITY PERMANENT RATE**

CASE NO.:

NEPR-MI-2020-0001

SUBJECT:

Bench Order Entered on March 17, 2020

**MOTION IN COMPLIANCE WITH BENCH ORDER AND TO SUBMIT  
REVISED PROPOSED FACTORS AND PRESENTATION**

TO THE PUERTO RICO ENERGY BUREAU:

COMES NOW the Puerto Rico Electric Power Authority through the undersigned legal representation and respectfully sets forth and pray:

1. On March 13, 2020, PREPA<sup>1</sup> submitted the reconciliations of the months of December 2019 to February 2020, the proposed factors for the quarter of April to June 2020, the public lighting repair report and a presentation with an analysis of the impact that the January 2020 seismic events had on PREPA.<sup>2</sup>

2. On March 16, 2020, PREPA requested the Energy Bureau to hold an informal meeting to discuss the proposed factors for the quarter of April to June 2020.<sup>3</sup> Later that day, the Energy Bureau granted PREPA's request and scheduled a Technical Conference to be held via telephone conference on the next day, March 17, 2020. The Technical Conference was held accordingly.

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<sup>1</sup> Capitalized terms not defined herein shall be ascribed the same meaning provided in the *Motion in Partial Compliance with Bench Order and Request for Extension of Time* filed on March 19, 2020 (the "Motion in Partial Compliance").

<sup>2</sup> See *Motion to Submit Reconciliations for the Months of December 2019 to February 2020, Proposed Factors for the Quarter of April to June 2020 and Public Lighting Report* filed on March 13, 2020 (the "Motion to Submit Factors").

<sup>3</sup> See *Request for Informal Meeting Via Telephone Conference* dated March 16, 2020.

3. During the Technical Conference, the Energy Bureau issued two bench orders: (1) to submit the fuel report used for the inputs included in the reconciliation grand summary of the quarterly reconciliation file<sup>4</sup> and also, (2) to submit the supporting raw data for the costs information that was included in slide 9 of the presentation<sup>5</sup>.

4. In compliance with the Bench Order, PREPA submitted the fuel report used to support the information provided in the reconciliation grand summary yesterday.<sup>6</sup> However, PREPA informed the Energy Bureau that it had not been able to gather the supporting data for the costs information included in slide 9 of the presentation and requested until today to present the information.<sup>7</sup>

5. In the process of gathering the supporting raw data for the costs information included in slide 9 of the presentation, PREPA noted that the information needed to be updated with the reports produced by the Finance Department, which is the supporting information used for the costs entries. As a result of these revisions, the information submitted by PREPA with the fuel cost factors and the proposed deferment that was included in the Motion to Submit Factors has been updated and therefore, changed.

6. Accordingly, PREPA herein submits the following.<sup>8</sup>

- i. Exhibit F - Revised proposed factors for the period of April to June 2020.<sup>9</sup>

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<sup>4</sup> Motion to Submit Factors at Exhibit A.

<sup>5</sup> *Id.* at Exhibit D.

<sup>6</sup> *Motion in Partial Compliance with Bench Order and Request for Extension of Time* filed on March 20, 2020 (the “Motion in Partial Compliance”) at Exhibit E.

<sup>7</sup> See Motion in Partial Compliance at ¶5.

<sup>8</sup> The exhibits to this motion have been numbered in sequence with the exhibits provided with the Motion to Submit and the Motion in Partial Compliance because these exhibits supplements said filing.

<sup>9</sup> Exhibit F amends the worksheet titled April-May 2020 Factors WO Storm Recovery ended March 2020 defer JanFeb031320-Confidential that was submitted with Exhibit B.

- ii. Fuel reports and supporting data (Includes the raw data entered to calculate the deferment.).<sup>10</sup> Exhibit G.
- iii. Revised presentation related to the impact of January 2020 seismic events. Exhibit H.

**WHEREFORE**, PREPA respectfully requests the Energy Bureau to note the revised attachments and also, to find that PREPA complied with the Bench Order entered on March 17, 2020.

**RESPECTFULLY SUBMITTED.**

In San Juan, Puerto Rico, this 20<sup>th</sup> day of March 2020.

*/s/ Katuska Bolaños*  
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<sup>10</sup> Note that for the deferment PREPA enters the data without adjustments.

Exhibit F

Revised proposed factors for the period of April to June 2020<sup>11</sup>

*[The native form of this exhibit has been filed under seal.]*

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<sup>11</sup> Exhibit F amends the worksheet titled April-May 2020 Factors WO Storm Recovery ended March 2020 defer JanFeb031320-Confidential that was submitted with Exhibit B.

**Attachment 1**  
**Puerto Rico Electric Power Authority**  
**Fuel Charge Adjustment Factor**  
**For the Months of April 2020 to June 2020**

Line No.	Item	Amount	Reference
1	<b>Calculation of Fuel Charge Adjustment Factor for April 2020 to June 2020</b>		
2			
3	Estimated Total Cost of Fuel for April 2020	\$ 91,529,920.87	Attachment 3 L72
4	Estimated Total Cost of Fuel for May 2020	\$ 119,561,214.62	Attachment 3 L72
5	Estimated Total Cost of Fuel for June 2020	\$ 107,996,247.99	Attachment 3 L72
6			
7			
8	Prior Period Fuel Reconciliation December 2019	\$ 20,125,928.77	QUARTER RECONCILIATION FILE DEC19-JAN-FEB20.xlsx]DEC-2019 RECONCILIATION'!\$F\$29
9	Prior Period Fuel Reconciliation January 2020	\$ 5,247,975.47	QUARTER RECONCILIATION FILE DEC19-JAN-FEB20.xlsx]JAN-2020 RECONCILIATION'!\$F\$29-C37
10	Prior Period Fuel Reconciliation February 2020	\$ 40,466,349.50	QUARTER RECONCILIATION FILE DEC19-JAN-FEB20.xlsx]FEB-2020 RECONCILIATION'!\$F\$29-C38
11			
12	Estimated Retail kWh sales for April 2020	1,259,196,602.86	Estimado de consumo generación y dmax trimestre de abril mayo y junio (REV11feb2020).xlsx]Sheet1'!\$C\$10*10^6
13	Estimated Retail kWh sales for May 2020	1,357,629,302.86	Estimado de consumo generación y dmax trimestre de abril mayo y junio (REV11feb2020).xlsx]Sheet1'!\$D\$10*10^6
14	Estimated Retail kWh sales for June 2020	1,384,047,894.51	Estimado de consumo generación y dmax trimestre de abril mayo y junio (REV11feb2020).xlsx]Sheet1'!\$E\$10*10^6
15			
16			
17	Estimated Total Cost of Fuel	\$ 319,087,383.47	L3+L4+L5
18	Prior Period Reconciliation	\$ 65,840,253.73	L8+L9+L10
19	Estimated Applicable Retail kWh Sales	<b>4,000,873,800.24</b>	L12+L13+L14
20			
21	<b>Fuel Charge Adjustment for April 2020 to June 2020 (\$/kWh)</b>	\$ <b>0.096211</b>	(L17+L18)/L19
22			
23			
24	Estimated Total Barrels of Oil for Fuel Oil Subsidy Factor	4,082,940.81	Attachment 3 L73-L11-L66
25			
26	<b>Fuel Oil Subsidy Factor for \$30/barrel (\$/kWh)</b>	\$ <b>0.030615</b>	(30*L24)/L19
	Cost Differential - possible FEMA/Insurance Reimbursement for January	\$ 47,173,951.76	
	Cost Differential - possible FEMA/Insurance Reimbursement for February	\$ 37,088,581.65	

**Attachment 2**

**Puerto Rico Electric Power Authority  
Purchased Power Charge Adjustment Factor  
For the Months of April 2020 to June 2020**

Line No.	Item	Amount	Reference
1	<b>Calculation of Purchased Power Charge Adjustment Factor for April 2020 to June 2020</b>		
2			
3	Estimated Total Cost of Purchased Power for April 2020	\$ 70,303,893.03	Attachment 3 L86+L89
4	Estimated Total Cost of Purchased Power for May 2020	\$ 60,953,244.25	Attachment 3 L86+L89
5	Estimated Total Cost of Purchased Power for June 2020	\$ 70,959,612.95	Attachment 3 L86+L89
6			
7			
8	Prior Period Purchased Power Reconciliation December 2019	\$ (4,660,838.21)	QUARTER RECONCILIATION FILE DEC19-JAN-FEB20.xlsx]DEC-2019 RECONCILIATION'!\$N\$34
9	Prior Period Purchased Power Reconciliation January 2020	\$ (11,216,574.61)	QUARTER RECONCILIATION FILE DEC19-JAN-FEB20.xlsx]JAN-2020 RECONCILIATION'!\$N\$34
10	Prior Period Purchased Power Reconciliation February 2020	\$ (4,179,111.59)	QUARTER RECONCILIATION FILE DEC19-JAN-FEB20.xlsx]FEB-2020 RECONCILIATION'!\$N\$34
11			
12			
13	Estimated Total Cost of Purchased Power	\$ 202,216,750.23	L3+L4+L5
14	Prior Period Reconciliation	\$ (20,056,524.41)	L8+L9+L10
15	Estimated Applicable Retail kWh Sales	<b>4,000,873,800.24</b>	Attachment 1 L19
16			
17	<b>Purchased Power Adjustment for April 2020 to June 2020 (\$/kWh)</b>	<b>\$ 0.045530</b>	(L13+L14)/L15

**Attachment 3**  
**Puerto Rico Electric Power Authority**  
**Projected Fuel and Purchased Power Expenses for the Month**  
**For the Months of April 2020 to June 2020**

Line No.			April 2020	May 2020	June 2020	
1	AGUIRRE	Residual	BBL (000s)	302	398	327
2			MBTU (000s)	1,900	2,506	2,060
3			\$ (000s)	18,370	25,131	21,712
4			HANDLING	121	159	131
5			TOTAL \$ (000s)	18,490	25,291	21,842
6			\$/BBL	61.32	63.59	66.80
7			\$/MBTU	9.73	10.09	10.60
8			GWh	195	259	212
9	COSTA SUR	Gas Natural	MCF	0	0	0
10			MBTU (000s)	0	0	0
11			Equivalent BBL (000s)	0	0	0
12			TOTAL \$ (000s)	0	0	0
13			\$/BBL	0.00	0.00	0.00
14			\$/MBTU	0.00	0.00	0.00
15	GWh	0	0	0		
16	PALO SECO	Residual	BBL (000s)	310	296	217
17			MBTU (000s)	1,954	1,863	1,365
18			\$ (000s)	18,300	18,108	13,963
19			HANDLING	124	118	87
20			TOTAL \$ (000s)	18,424	18,227	14,049
21			\$/BBL	59.39	61.64	64.85
22			\$/MBTU	9.43	9.78	10.29
23	GWh	191	184	140		
24	SAN JUAN	Residual	BBL (000s)	190	223	201
25			MBTU (000s)	1,197	1,404	1,267
26			\$ (000s)	11,231	13,647	12,964
27			HANDLING	76	89	80
28			TOTAL \$ (000s)	11,307	13,736	13,045
29			\$/BBL	59.50	61.64	64.85
30			\$/MBTU	9.44	9.78	10.29
31	GWh	113	133	119		
32	CICLO COMBINADO AGUIRRE	Destilado	BBL (000s)	69	104	113
33			MBTU (000s)	399	605	654
34			\$ (000s)	4,901	7,556	8,371
35			HANDLING	28	42	45
36			TOTAL \$ (000s)	4,928	7,598	8,416
37			\$/BBL	71.65	72.88	74.74
38			\$/MBTU	12.35	12.56	12.88
39	GWh	34	52	59		
40	TURBINAS DE COMBUSTION & MAYAGÜEZ	Destilado	BBL (000s)	189	311	223
41			MBTU (000s)	1,097	1,803	1,296
42			\$ (000s)	13,460	22,518	16,607
43			HANDLING	76	124	89
44			TOTAL \$ (000s)	13,536	22,642	16,696
45			\$/BBL	71.61	72.88	74.74
46			\$/MBTU	12.34	12.56	12.88
47	GWh	94	155	108		
48	CAMBALACHE	Destilado	BBL (000s)	154	187	209
49			MBTU (000s)	894	1,085	1,215
50			\$ (000s)	10,984	13,547	15,558
51			HANDLING	62	75	84
52			TOTAL \$ (000s)	11,046	13,621	15,642
53			\$/BBL	71.73	72.88	74.74
54			\$/MBTU	12.36	12.56	12.88
55	GWh	72	89	104		
56	REPOWERING SJ5&6	Destilado	BBL (000s)	61	0	0
57			MBTU (000s)	355	0	0
58			\$ (000s)	4,353	0	0
59			HANDLING	24	0	0
60			TOTAL \$ (000s)	4,378	0	0
61			\$/BBL	71.54	0.00	0.00
62			\$/MBTU	12.33	0.00	0.00
63	GWh	46	0	0		
64	REPOWERING SJ5&6	Gas Natural	MCF	837,602	1,634,054	1,610,418
65			MBTUX1000	879	1,716	1,691
66			BBLX1000Equivalente	140	272	268
67			\$000 TOTAL	9,421	18,447	18,305
68			\$/BBL	67.48	67.74	68.20
69			\$/MBTU	10.71	10.75	10.83
70			GWh	110	219	215

**Attachment 3**

**Puerto Rico Electric Power Authority  
Projected Fuel and Purchased Power Expenses for the Month  
For the Months of April 2020 to June 2020**

Line No.			April 2020	May 2020	June 2020	
71		SUB-TOTAL \$ (000s)	91,530	119,561	107,996	
72		TOTAL \$ (000s)	91,530	119,561	107,996	
73	SISTEMA TOTAL	Equivalent BBL (000s)	1,414	1,790	1,558	
74		MBTU (000s)	8,675	10,981	9,547	
75		\$/BBLEquivalente	64.72	66.78	69.30	
76		\$/MBTU	10.55	10.89	11.31	
77		GWh	855	1,091	957	
78	HIDRO	GWh	2	5	6	
79	TOTAL	GWh	857	1,097	963	
80	COMPRA ENERGIA	EcoEléctrica	\$	33,881	33,249	34,192
81			\$/MWH	104.47	103.44	104.48
82			GWHR	324	321	327
83		AES	\$	29,363	22,019	29,724
84			\$/MWH	93.49	130.67	92.54
85			GWHR	314	169	321
86		Total Cogeneradores	\$	63,244	55,268	63,916
87			\$/MWH	99.07	112.81	98.57
88			GWHR	638	490	648
89		COMPRA ENERGIA RENOVABLE	Total Renovables	\$	7,060	5,685
90	\$/MWH			175.47	175.29	174.55
91	GWHR			40	32	40
	Total Sistema	GWHR	1,536	1,619	1,652	

\* En el caso de gas natural el costo por acarreo de combustible está incluido en el precio del combustible.

\* La generación de las cogeneradoras y de los proyectos de energía renovable se presenta en valores netos.



JN 078-04479  
Rev. 11/17



GOBIERNO DE PUERTO RICO  
Autoridad de Energía Eléctrica de Puerto Rico

12 de marzo de 2020

Efran Paredes Maisonet  
Director de Planificación y Protección Ambiental

Nelson Morales  
Director de Finanzas

**CANTIDADES A INCLUIRSE EN LA FACTURACIÓN DE ABRIL A JUNIO 2020**

A continuación, presentamos las cantidades a recobrar o devolver por concepto del ajuste de combustible y compra de energía para diciembre de 2019, y enero y febrero de 2020.

**Recobro o (Devolución)**

Mes	Total
<b>AJUSTE DE COMBUSTIBLE</b>	
Diciembre	\$20,125,928.77
Enero	52,421,927.23
Febrero	77,554,931.15
	\$150,102,787.15
<b>COMPRA DE ENERGÍA</b>	
Diciembre	\$(4,660,838.21)
Enero	(11,216,574.61)
Febrero	(4,179,111.59)
	\$(20,056,524.41)



Apartado 364267 San Juan, Puerto Rico 00936-4267

\*Somos un patrono con igualdad de oportunidades en el empleo y no discriminamos por razón de raza, color, sexo, edad, origen social o nacional, condición social afiliación política, ideas políticas o religiosas; por ser víctima o ser percibida(o) como víctima de violencia doméstica, agresión sexual o acoso, sin importar estado civil, orientación sexual, identidad de género o estatus migratorio; por impedimento físico, mental o ambos por condición de veterano(a) o por información genética.\*



**Attachment 5**

**Puerto Rico Electric Power Authority**

**Subsidies Riders**

**For the Months of April 2020 to June 2020**

**Approved by PREB's Order of June 28, 2019 - Effective from July 1, 2019 to June 30, 2020**

Line No.	Item	Amount	Reference
1	<b>Calculation of the Subsidies Riders</b>		
2			
3	Estimated Total Cost of CILT for the months of July 2019 to June 2020	\$ 80,266,469.03	
4	Prior Period Reconciliation:	\$ 34,453,577.12	
5			
6	Estimated Retail kWh sales for July 2019 to June 2020	15,831,930,385.85	
7			
8			
9			
10	Applicable Retail Sales kWh Sales	15,831,930,385.85	L6
11			
12	<b>Contribution in Lieu of Taxes Adjustment (CILTA) for April 2020 to June 2020 (\$/kWh)</b>	\$ 0.007246	(L3+L4)/L10
13			
14			
15	Estimated Total Cost of Subsidies - Help to Humans for the months April 2020 to June 2020	\$ 219,380,268.73	
16	Prior Period Reconciliation:	\$ (22,835,638.00)	
17			
18	<b>Subsidies - Help to Humans Adjustment (SUBA-HH) April 2020 to June 2020 (\$/kWh)</b>	\$ 0.012414	(L15+L16)/L10
19			
20			
21	Estimated Total Cost of Subsidies - Non Help to Humans for the months April 2020 to June 2020	\$ 8,054,973.68	
22	Prior Period Reconciliation:	\$ 6,523,022.45	
23			
24	<b>Subsidies - Non Help to Humans Adjustment (SUBA-NHH) April 2020 to June 2020 (\$/kWh)</b>	\$ 0.000921	(L21+L22)/L10

**Attachment 6**  
**Puerto Rico Electric Power Authority**  
**Bill Impacts**  
**For the Months of April 2020 to June 2020**

Voltage Level	January 2020 - March 2020			April 2020 - June 2020		
	Fuel Adjustment Factors	Purchased Power Adjustment Factors	Total	Fuel Adjustment Factors	Purchased Power Adjustment Factors	Total
	\$/kWh			\$/kWh		
Secondary Distribution	0.104144	0.045942	0.150086	0.096211	0.045530	0.141741
Primary Distribution	0.104144	0.045942	0.150086	0.096211	0.045530	0.141741
Transmission	0.104144	0.045942	0.150086	0.096211	0.045530	0.141741
Bus Bar	0.104144	0.045942	0.150086	0.096211	0.045530	0.141741

CILT-Municipalities			0.007246			0.007246
Subsidies - Help to Humans			0.012414			0.012414
Subsidies - Non Help to Humans			0.000921			0.000921
True-Up Provisional Rate			-0.007771			-0.007771

Determined by PREB's Order of June 28, 2019  
Effective from July 1, 2019 to June 30, 2020

Rate and Voltage Level	Energy Consumption (kWh)	January 2020 - March 2020		April 2020 - June 2020		Difference		
		\$	\$/kWh	\$	\$/kWh	Bill (\$)	\$/kWh	
GRS - Residential	800	\$ 176.20	\$ 0.2203	\$ 169.52	\$ 0.2119	\$ (6.68)	\$ (0.0084)	-3.8%
GSS - Secondary Small Commercial, Industrial	1,200	\$ 301.87	\$ 0.2516	\$ 291.86	\$ 0.2432	\$ (10.01)	\$ (0.0083)	-3.3%
GSP - Primary Medium Commercial, Industrial 250 kVA	91,800	\$ 21,263.57	\$ 0.2316	\$ 20,497.49	\$ 0.2233	\$ (766.08)	\$ (0.0083)	-3.6%
GST - Transmission Large Commercial, Industrial 1,500 kVA	550,800	\$ 121,154.18	\$ 0.2200	\$ 116,557.75	\$ 0.2116	\$ (4,596.43)	\$ (0.0083)	-3.8%

Exhibit G

Fuel reports and supporting data

*[The native form of this exhibit has been filed under seal.]*

PLANT	FUEL	FORECAST (MWH)	GENERATION COST	FUEL	REAL GENERATION	GENERATION COST	(\$/MWH)	(MWH) VARIANCE	% (R/F)
SJ	# 6	30,508.420	\$5,625,211.64	# 6	70,421.000	\$12,984,383.62	184.38	39,912.58	230.82%
PS	# 6	92,059.840	\$12,631,996.88	# 6	163,626.000	\$22,451,952.14	137.22	71,566.16	177.74%
CS	NG	311,705.560	\$31,104,306.60	NG	Units out of services after earthquake		99.79		
AG	# 6	136,980.000	\$19,006,211.73	# 6	135,410.000	\$18,788,371.52	138.75	(1,570.00)	98.85%
AGCC GAS	# 2	650.000	\$155,591.29	# 2	106,380.000	\$24,933,586.61	234.38	105,730.00	16366.15%
SJCC GAS	NG	71,299.000	\$8,569,564.02	# 2	109,169.000	\$14,598,986.53	133.73	37,870.00	153.11%
GAS	# 2	8,650.000	\$1,840,262.28	# 2	106,493.000	\$22,656,075.20	212.75	97,843.00	1231.13%
CAMB	# 2	8,970.000	\$1,795,915.75	# 2	57,387.000	\$11,489,656.33	200.21	48,417.00	639.77%
AGCC STM					2,354.000			2,354.00	
SJCC STM					18,605.000			18,605.00	
HYDRO		1,778.000			3,544.000			1,766.00	199.33%
ECO	NG	263,016.180		NG	71,328.000			(191,688.18)	27.12%
AES	Coal	193,008.550		Coal	180,231.000			(12,777.55)	93.38%
RENEW		28,452.000			17,635.000			(10,817.00)	61.98%
<b>TOTAL</b>		<b>1,147,077.550</b>	<b>\$80,729,060.19</b>		<b>1,042,583.000</b>	<b>\$127,903,011.95</b>		<b>207,211.01</b>	<b>90.89%</b>

Forecast data from Fuel Adjustment Factor Calculation on December 2019

Real data from Hourly Generation Reports on January 2020

Data analysis starts on January 7 at 4:24 am

# 6 - Bunker C

# 2 - Light Destillate

NG - Natural Gas

**-\$47,173,951.76**

Forecast

Real Generation

Variance

Generation Cost

\$80,729,060.19

\$127,903,011.95

-\$47,173,951.76

PLANT	FUEL	FORECAST (MWH)	COST	FUEL	REAL GENERATION	GENERATION COST	(\$/MWH)	(MWH) VARIANCE	% (R/F)
SJ	# 6	32,845.520	\$5,207,264.40	# 6	94,347.000	\$14,957,588.56	\$158.54	61,501.48	287.24%
PS	# 6	153,572.360	\$21,277,367.28	# 6	216,401.000	\$29,982,241.32	\$138.55	62,828.64	140.91%
CS	NG	249,126.250	\$24,859,685.67	NG	Units out of services after earthquake				
AG	# 6	253,080.560	\$38,063,861.44	# 6	157,730.000	\$23,722,931.80	\$150.40		62.32%
AGCC GAS	# 2	0.000	\$0.00	# 2	123,829.000	\$26,472,818.03	\$213.79	123,829.00	#DIV/0!
SJCC GAS	NG	131,867.870	\$15,849,453.07	# 2	148,301.000	\$21,389,849.31	\$144.23	16,433.13	112.46%
GAS	# 2	450.000	\$82,462.97	# 2	96,361.100	\$17,658,271.63	\$183.25	95,911.10	21413.58%
CAMB	# 2	312.000	\$58,360.92	# 2	44,390.000	\$8,303,336.75	\$187.05	44,078.00	14227.56%
AGCC STM								-	
SJCC STM								-	
HYDRO		2,682.000			1,084.000			(1,598.00)	40.42%
ECO	NG	270,214.910		NG	163,300.661			(106,914.25)	60.43%
AES	Coal	241,908.600		Coal	300,091.544			58,182.94	124.05%
RENEW		36,136.000			34,777.199			(1,358.80)	96.24%
<b>TOTAL</b>		<b>1,372,196.070</b>	<b>105,398,455.75</b>		<b>1,380,612.504</b>	<b>142,487,037.39</b>		<b>352,893.24</b>	<b>100.61%</b>

Forecast data from Fuel Adjustment Factor Calculation on December 2019

Real data from Hourly Generation Reports on February 2020

# 6 - Bunker C

# 2 - Light Destillate

NG - Natural Gas

**-\$37,088,581.65**

Forecast

Real

Variance

Generation Cost

\$105,398,455.75

\$142,487,037.39

-\$37,088,581.65

**FEBRERO 2020**

	MMBtu	\$/MMBtu	Costo	MWH	(\$/MWh)
SJ BC	1,026,735	14.5681	\$ 14,957,588.56	94,347.000	158.5380
SJ Gas	1,560,413	13.7078	\$ 21,389,849.31	148,301.000	144.2327
PS	2,260,640	13.2627	\$ 29,982,241.32	216,401.000	138.5495
CS			\$ -		#DIV/0!
AG	1,629,201	14.5611	\$ 23,722,931.80	157,730.000	150.4022
AG-CC	1,819,060	14.5530	\$ 26,472,818.03	123,829.000	213.7853
Gas	1,154,814	15.2910	\$ 17,658,271.63	96,361.100	183.2510
Cambalache	539,637	15.3869	\$ 8,303,336.75	44,390.000	187.0542
			\$ 142,487,037.39	1,380,612.504	

**ENERO 2020**

	MMBtu	\$/MMBtu	Costo	MWH	(\$/MWh)	Impacted by the steam	
						MWH	(\$/MWh)
SJ BC	760,520	17.0730	\$ 12,984,383.62	70,421.000	184.3823		
SJ Gas	1,338,593	15.2826	\$ 20,457,222.87	128,077.000	159.7260	152,976.000	133.7283
PS	1,887,722	13.3620	\$ 25,223,696.44	183,826.000	137.2151		
CS	843,453	8.8885	\$ 7,497,031.99	75,130.000	99.7875		
AG	1,776,813	13.5283	\$ 24,037,349.40	173,240.000	138.7517		
AG-CC	1,597,630	16.5699	\$ 26,472,540.64	110,592.000	239.3712	112,946.000	234.3823
Gas	1,384,984	16.3982	\$ 22,711,176.70	106,752.000	212.7471		
Cambalache	680,480	16.8846	\$ 11,489,656.33	57,387.000	200.2136		
			\$ 143,376,025.99				

Example for calculate de cost of megawatts-hour

	MMBtu	\$/MMBtu	Costo	MWH	(\$/MWh)
SJ Gas (NG)	1,338,593	11.5000	\$ 15,393,821.11	128,077.000	120.19

**FEBRERO 2020**

Brindado por la central

Bbl's Consumido
164,059.98
272,069.45
360,659.86
258,712.38
313,017.76
199,093.95
94,041.74
1,661,655.12

**AEE - Dpto. Finanzas (Presupuesto)**

Consumido Valor dado (análisis combustible)

Costo Utilizado	Consumido (\$/Bbl's)	HHV	Btu	MMBtu	(\$/MMBtu)
14,957,588.56	91.1715	6,258,290	1,026,734,932,234	1,026,735	14.57
21,389,849.31	78.6191	5,735,347	1,560,412,703,849	1,560,413	13.71
29,982,241.32	83.1316	6,268,067	2,260,640,166,691	2,260,640	13.26
23,722,931.80	91.6962	6,297,346	1,629,201,371,343	1,629,201	14.56
26,472,818.03	84.5729	5,811,364	1,819,060,141,825	1,819,060	14.55
17,658,271.63	88.6932	5,800,348	1,154,814,233,120	1,154,814	15.29
8,303,336.75	88.2942	5,738,268	539,636,707,306	539,637	15.39

**ENERO 2020**

Costo Utilizado	Consumido (\$/Bbl's)	HHV	Btu	MMBtu	(\$/MMBtu)
12,990,198.24	106.7098	6,250,194	760,860,178,867	760,860	17.07
20,457,222.87	87.3407	5,715,032	1,338,593,140,293	1,338,593	15.28
25,223,696.44	83.8526	6,275,465	1,887,722,438,386	1,887,722	13.36
7,497,031.99	55.9975	6,300,000	843,453,009,000	843,453	8.89
24,037,349.40	85.1683	6,295,543	1,776,813,198,246	1,776,813	13.53
26,472,540.64	95.5480	5,766,366	1,597,629,825,269	1,597,630	16.57
22,711,176.70	95.1093	5,800,001	1,384,983,692,523	1,384,984	16.40
11,489,656.33	97.0515	5,747,918	680,480,205,246	680,480	16.88
1,707,119.57					



**FEBRERO 2020**

Brindado por la central

	Bbl's Consumido	Costo Utilizado	Consumido (\$/Bbl's)	Valor dado (análisis) HHV	Btu	MMBtu
SJ BC	164,059.98	14,957,588.56	91.1715	6,258,290	1,026,734,932,234	1,026,735
SJ Gas	272,069.45	21,389,849.31	78.6191	5,735,347	1,560,412,703,849	1,560,413
PS	360,659.86	29,982,241.32	83.1316	6,268,067	2,260,640,166,691	2,260,640
CS						
AG	258,712.38	23,722,931.80	91.6962	6,297,346	1,629,201,371,343	1,629,201
AG-CC	313,017.76	26,472,818.03	84.5729	5,811,364	1,819,060,141,825	1,819,060
Gas	199,836.81	17,724,157.97	88.6932	5,800,348	1,159,123,062,895	1,159,123
Cambalache	94,041.74	8,303,336.75	88.2942	5,738,268	539,636,707,306	539,637
	1,662,397.98					

**ENERO 2020**

SJ BC	121,679.36	12,984,383.62	106.7098	6,250,194	760,519,605,796	760,520
SJ Gas	234,223.21	20,457,222.87	87.3407	5,715,032	1,338,593,140,293	1,338,593
PS	300,809.97	25,223,696.44	83.8526	6,275,465	1,887,722,438,386	1,887,722
CS	133,881.43	7,497,031.99	55.9975	6,300,000	843,453,009,000	843,453
AG	282,233.51	24,037,349.40	85.1683	6,295,543	1,776,813,198,246	1,776,813
AG-CC	277,060.08	26,472,540.64	95.5480	5,766,366	1,597,629,825,269	1,597,630
Gas	239,209.95	22,751,092.34	95.1093	5,800,001	1,387,417,847,203	1,387,418
Cambalache	118,387.25	11,489,656.33	97.0515	5,747,918	680,480,205,246	680,480
	1,707,484.76					

Para determinar el precio de BBIs en la planta SJ BC es:

Average\* QOH= Inventory Value. Inventory Value + December (gastos micelaneos December)= New Inventory Value. New Average Unit Price = New Inventory Value \* QOH

Ver ejemplo

FACILIT	Facility Name	CATALOG_ID	Q_LEV	CATALOG_DESC	AVG_UNIT	QOH	INVENTORY VALUE	December	Total	NEW INVENTORY VALUE	NEW AVG UNIT PRICE	DIFFERENCE
FSJ	San Juan	0000075212	0	BUNKER C	82.97	2,263.54	\$ 187,810.23	53,731.73	53,731.73	241,541.96	106.709828	23.737919

Exhibit H

Revised presentation

*[This exhibit has been filed under seal.]*