

ESTADO LIBRE ASOCIADO DE PUERTO RICO
AUTORIDAD DE ENERGÍA ELÉCTRICA DE PUERTO RICO

SAN JUAN, PUERTO RICO

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APARTADO 364267
CORREO GENERAL
SAN JUAN, PR 00936-4267

31 de julio de 2017

Noriette Figueroa Meléndez, Jefa
División Servicio al Cliente

Mary C. Zapata Acosta, Jefa Interina *mca*
División de Planificación y Estudios

FACTORES DE AJUSTE - AGOSTO DE 2017

A continuación los factores de ajuste por concepto de compra de combustible y de energía.

Tarifas a Voltaje de Distribución Secundaria:

\$ 0.131474 por kWh

Tarifas a Voltaje de Distribución Primaria:

\$ 0.126420 por kWh

Tarifas a Voltaje de Transmisión:

\$ 0.116391 por kWh

Tarifas en la Barra de Generación:

\$ 0.111502 por kWh

Página 2
31 de julio de 2017

Los datos para calcular los factores de ajuste fueron:

| | | |
|---|------------|--------------------|
| Precio Facturado | | \$ 60.82682961/BBL |
| Barriles Estimados | | 2,004,077.52 |
| Estimado Compra Energía | | \$63,145,952.54 |
| Eficiencias | | |
| Secundaria | | 84.81% |
| Primaria | | 88.20% |
| Transmisión | | 95.80% |
| Barra de Generación | | 100.00% |
| Compra de Combustible | Devolución | (\$3,932,743.79) |
| Compra de Energía | Devolución | (\$5,394,896.94) |
| Generación Neta Estimada (kWh) (Incluye compra de energía) | | 1,781,044,466 |

Factores de Subsidio de Compra de Combustible

Factores de Subsidio hasta \$30.00 /bbl:

Facturación Mensual **\$ 0.031513 por kWh**

Los factores de subsidio hasta \$18.00/bbl son \$0.017866 por kWh (mensual).

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31 de julio de 2017

FACTURACIÓN DE AGOSTO 2017

| Voltaje de Distribución | Compra de Combustible (\$/kWh) | Compra de Energía (\$/kWh) | Total (\$/kWh) |
|--------------------------------|---|---------------------------------------|---------------------------|
| Secundaria | 0.088074 | 0.043400 | 0.131474 |
| Primaria | 0.084688 | 0.041732 | 0.126420 |
| Transmisión | 0.077970 | 0.038421 | 0.116391 |
| Barra de Generación | 0.074695 | 0.036807 | 0.111502 |

**DISTRIBUCIÓN DE LAS PÉRDIDAS
DETERMINACIÓN DE LAS EFICIENCIAS DEL SISTEMA
ACUMULACIÓN A 12 MESES A: JUNIO 17**

| | TOTAL | BARRA | TRANSMISIÓN | PRIMARIA | SECUNDARIA | USO AUTORIDAD |
|--------------------------------|----------------|----------------|---------------|---------------|----------------|------------------|
| VENTAS VOLT. SECUNDARIO | 8,889,909,713 | 0 | 0 | 0 | 8,889,909,713 | |
| USO AEE EN SECUNDARIA | 10,897,273 | 0 | 0 | 0 | 0 | 10,897,273 |
| SUB-TOTAL | 8,900,806,987 | 0 | 0 | 0 | 8,889,909,713 | 10,897,273 |
| <i>PÉRDIDAS EN SECUNDARIA</i> | 355,842,644 | 0 | 0 | 0 | 355,406,986 | 435,659 |
| VENTAS VOLT. PRIMARIO | 4,247,063,414 | 0 | 0 | 4,247,063,414 | 0 | 0 |
| USO AEE EN PRIMARIA | 23,276,869 | 0 | 0 | 0 | 0 | 23,276,869 |
| SUB-TOTAL | 13,526,989,914 | 0 | 0 | 4,247,063,414 | 9,245,316,699 | 34,609,801 |
| <i>PÉRDIDAS EN PRIMARIA</i> | 1,166,457,471 | 0 | 0 | 366,232,168 | 797,240,835 | 2,984,467 |
| VENTAS VOLT. TRANSMISIÓN | 3,938,199,214 | 0 | 3,938,199,214 | 0 | 0 | 0 |
| USO AEE EN TRANSMISIÓN | 0 | 0 | 0 | 0 | 0 | 0 |
| SUB-TOTAL | 18,631,646,599 | 0 | 3,938,199,214 | 4,613,295,583 | 10,042,557,534 | 37,594,269 |
| <i>PÉRDIDAS EN TRANSMISIÓN</i> | 816,678,797 | 0 | 172,622,628 | 202,214,048 | 440,194,256 | 1,647,865 |
| VENTAS EN LA BARRA | 614,014 | 614,014 | 0 | 0 | 0 | 0 |
| <i>GENERACIÓN NETA</i> | 19,448,939,410 | 614,014 | 4,110,821,842 | 4,815,509,631 | 10,482,751,789 | 39,242,134 |
| EFICIENCIA NETA | | 100.00% | 95.80% | 88.20% | 84.81% | |
| <i>AUXILIARES</i> | 750,946,416 | 23,708 | 158,723,664 | 185,932,488 | 404,751,371 | 1,515,185 |
| GENERACION TOTAL | 20,199,885,826 | 637,722 | 4,269,545,506 | 5,001,442,119 | 10,887,503,160 | 40,757,319 |
| EFICIENCIA TOTAL | | 96.28% | 92.24% | 84.92% | 81.65% | |

AUTORIDAD DE ENERGIA ELECTRICA DE PUERTO RICO
DIVISION DE PLANIFICACION Y ESTUDIOS
DEPARTAMENTO DE PROYECCIONES Y ESTADISTICAS
RECORD DE GENERACION OFICIAL- kWh

MES : JUNIO 2017

| FUENTE | GENERACION BRUTA | AUXILIARES | GENERACION NETA |
|--|----------------------|-------------------|----------------------|
| VAPOR | 715,009,000 | 48,023,176 | 666,985,824 |
| GAS | 16,711,000 | 17,014 | 16,693,986 |
| CAMBALACHE | 13,437,000 | 269,350 | 13,167,650 |
| TOTAL GAS | 30,148,000 | 286,364 | 29,861,636 |
| CICL. COMBINADO VAPOR | 150,100,000 | 3,298,610 | 146,801,390 |
| CICL. COMBINADO GAS | 174,219,000 | 2,443,110 | 171,775,890 |
| TOTAL CICLO COMBINADO | 324,319,000 | 5,741,720 | 318,577,280 |
| DIESEL | 0 | 0 | 0 |
| SUB-TOTAL FÓSIL | 1,069,476,000 | 54,051,260 | 1,015,424,740 |
| ENERGÍA RENOVABLE AEE | | | |
| HIDRO | 5,207,000 | 12,300 | 5,194,700 |
| TOTAL FÓSIL Y RENOVABLE AEE | 1,074,683,000 | 54,063,560 | 1,020,619,440 |
| ENERGÍA COMPRADA | | | |
| Gas Natural | 284,950,048 | 0 | 284,950,048 |
| Carbón | 326,646,952 | 0 | 326,646,952 |
| Total Gas Natural y Carbón | 611,597,000 | 0 | 611,597,000 |
| ENERGÍA COMPRADA RENOVABLE | | | |
| Fotovoltaica | 19,693,914 | 0 | 19,693,914 |
| Eólica | 24,035,170 | 0 | 24,035,170 |
| Otros | 943,491 | | 943,491 |
| Total Energía Renovable | 44,672,575 | 0 | 44,672,575 |
| TOTAL ENERGÍA COMPRADA | 656,269,575 | 0 | 656,269,575 |
| GRAN TOTAL AEE Y ENERGIA COMPRADA | 1,730,952,575 | 54,063,560 | 1,676,889,015 |
| RESUMEN DE FUENTES | | | |
| VAPOR 1 AG | 12,626,000 | 1,425,060 | 11,200,940 |
| VAPOR 2 AG | 3,498,000 | 889,650 | 2,608,350 |
| R6 SJ | 133,976,000 | 983,900 | 132,992,100 |
| TOTAL VAPOR | 150,100,000 | 3,298,610 | 146,801,390 |
| GAS 1-1 | 21,420,000 | 85,680 | 21,334,320 |
| GAS 1-2 | 0 | 0 | 0 |
| GAS 1-3 | 9,177,000 | 36,708 | 9,140,292 |
| GAS 1-4 | 12,397,000 | 49,588 | 12,347,412 |
| GAS 2-1 | 14,102,000 | 56,408 | 14,045,592 |
| GAS 2-2 | 0 | 0 | 0 |
| GAS 2-3 | 10,721,000 | 42,884 | 10,678,116 |
| GAS 2-4 | 4,918,000 | 19,672 | 4,898,328 |
| R5 SJ | 101,484,000 | 2,152,170 | 99,331,830 |
| TOTAL GAS | 174,219,000 | 2,443,110 | 171,775,890 |
| TOTAL CICLO COMBINADO | 324,319,000 | 5,741,720 | 318,577,280 |

El consumo de auxiliares es por equipos asociados a éste.

Datos Suministrados Por:
 Departamento de Generación Confiable y Estadísticas
 Edificio NEOM, Monacillos

Preparado por:
 Arleen Caraballo, Analista *gem*
 Departamento de Proy. Y Estadísticas
 División Planificación y Estudios

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21 de julio de 2017



Efran Paredes Maisonet
Director, Interino
Planificación y Protección Ambiental

Nelson Morales
Director de Finanzas

CANTIDADES A INCLUIRSE EN LA FACTURACIÓN DE AGOSTO 2017

A continuación presentamos las cantidades a recobrar o devolver por concepto del ajuste de combustible y compra de energía para junio 2017.

Recobro o (Devolución)

| Descripción | Total |
|------------------------------|--------------------------|
| AJUSTE DE COMBUSTIBLE | |
| Junio | \$ (3,932,743.79) |
| COMPRA DE ENERGÍA | |
| Junio | \$ (5,394,896.94) |

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28 de julio de 2017

Lourdes Lugo Guzmán, Gerente
Departamento de Planificación Estratégica

Juan R. Pastrana Rivera
Ing. Gerencial - Senior
Departamento de Sistemas de Generación

**Informe sobre Costo Estimado de Combustible, Factor "R" Proyectado
y Estimado de Compra de Energía – Agosto 2017**

El costo estimado de combustible para junio de 2017 es **\$60.498743** por barril (Cuadro 1) y **\$9.928535** por MMBtu (Cuadro 1-A) considerando el pronóstico de precios de compras de combustible. Estos cuadros también muestran los costos estimados para los combustibles #6 y #2. El Cuadro 1-A se añadió debido a que se comenzó a utilizar gas natural en las unidades 5 y 6 de la Central Costa Sur, y la medida universalmente utilizada para los combustibles es millones de Btu (MMBtu). El valor del factor "R" proyectado es **0.65709** (Cuadro 2).

El Cuadro 3 presenta una tabla con el estimado de compra de energía y su costo a las cogeneradoras EcoEléctrica y AES. El Cuadro 4 incluye el estimado de compra de energía renovable, junto a su costo, para el mismo mes. El Cuadro 5 resume el estimado total de compra de energía, que incluye las cogeneradoras y los proyectos de energía renovable, junto a su costo.

Se incluyen los datos utilizados y los resultados obtenidos correspondientes a los factores en la línea de referencia.

Anejos

**COSTO ESTIMADO DE COMBUSTIBLE
AGOSTO 2017**

| Planta | Generación Térmica Neta (MWH) | Combustible Barriles (BBLs) | Eficiencia Neta (KWH/BBL) | Costo Unitario (BBL) | Costo Total (K) |
|------------------------------|--|--|--------------------------------------|--|----------------------------|
| <i>San Juan</i> | 49,867.248 | 94,625.34 | 527.0 | \$ 54.41 | \$5,148.43 |
| <i>Palo Seco</i> | 90,903.795 | 169,403.03 | 536.6 | \$ 54.41 | \$9,216.99 |
| <i>Costa Sur (3 & 4)</i> | 0.00 | 0.00 | 0.0 | \$ 56.49 | \$0.00 |
| <i>Costa Sur (5)*</i> | 185,386.510 | 320,748.09 | 578.0 | \$ 55.10 | \$17,672.00 |
| <i>Costa Sur (6)*</i> | 204,120.318 | 353,160.55 | 578.0 | \$ 53.59 | \$18,927.61 |
| <i>Aguirre</i> | 309,558.314 | 518,522.55 | 597.0 | \$ 56.49 | \$29,290.81 |
| Sub-Total #6 ** | 839,836.19 | 1,456,459.56 | 576.6 | | \$80,255.84 |
| <i>Aguirre CC</i> | 102,924.30 | 187,076.48 | 550.17 | \$ 74.85 | \$14,002.38 |
| <i>Gas</i> | 3,468.42 | 8,320.27 | 416.9 | \$ 74.85 | \$622.76 |
| <i>San Juan CC</i> | 176,069.23 | 247,981.04 | 710.01 | \$ 74.85 | \$18,560.98 |
| <i>Cambalache</i> | 48,004.32 | 104,240.17 | 460.5 | \$ 74.85 | \$7,802.21 |
| Sub-Total #2 | 330,466.28 | 547,617.96 | 603.5 | | \$40,988.33 |
| TOTAL | 1,170,302.47 | 2,004,077.52 | 584.0 | | \$121,244.17 |
| | | | | <i>Costo Estimado de Combustible #6=</i> | \$55.103377 (BBL) |
| | | | | <i>Costo Estimado de Combustible #2=</i> | \$74.848403 (BBL) |
| | | | | <i>Costo Estimado de Combustible Total =</i> | \$60.498743 (BBL) |

El pronóstico de precios de combustibles por planta lo provee la Oficina de Combustible.

El pronóstico de la generación y el consumo por planta lo provee la División de Conservación y Servicios Técnicos de Centrales Generatrices.

Incluye un cargo adicional de **\$1.68** por barril al Combustible #2 sobre el precio proporcionado por la Oficina de Combustible por concepto de arbitrios.

El precio de todos los combustibles incluye un cargo adicional de 0.5% por el arbitrio municipal.

* El estimado para Costa Sur incluye el gas natural utilizado en las Unidades 5 y 6.

** Incluye la información del gas natural de Costa Sur 5 y 6.

**COSTO ESTIMADO DE COMBUSTIBLE
AGOSTO 2017**

| Planta | Generación Neta (MWH) | Consumo (MMBTU) | Eficiencia Neta (KWH/MMBTU) | Costo Unitario (MMBTU) | Costo Total (K) |
|------------------------------|----------------------------------|----------------------------|--|--|----------------------------|
| <i>San Juan</i> | 49,867.25 | 596,139.66 | 83.65 | \$8.64 | \$5,148.44 |
| <i>Palo Seco</i> | 90,903.80 | 1,067,239.06 | 85.18 | \$8.64 | \$9,216.99 |
| <i>Costa Sur (3 & 4)</i> | 0.00 | 0.00 | 0.00 | \$8.97 | \$0.00 |
| <i>Costa Sur (5)*</i> | 185,386.51 | 2,020,712.96 | 91.74 | \$8.75 | \$17,672.00 |
| <i>Costa Sur (6)*</i> | 204,120.32 | 2,224,911.47 | 91.74 | \$8.51 | \$18,927.61 |
| <i>Aguirre</i> | 309,558.31 | 3,266,692.08 | 94.76 | \$8.97 | \$29,290.81 |
| Sub-Total #6** | 839,836.19 | 9,175,695.23 | 91.5 | | \$80,255.85 |
| <i>Aguirre CC</i> | 102,924.30 | 1,037,152.01 | 99.24 | \$13.50 | \$14,002.38 |
| <i>Gas</i> | 3,468.42 | 46,127.56 | 75.19 | \$13.50 | \$622.76 |
| <i>San Juan CC</i> | 176,069.23 | 1,374,806.87 | 128.07 | \$13.50 | \$18,560.98 |
| <i>Cambalache</i> | 48,004.32 | 577,907.51 | 83.07 | \$13.50 | \$7,802.21 |
| Sub-Total #2 | 330,466.28 | 3,035,993.95 | 108.8 | | \$40,988.33 |
| TOTAL | 1,170,302.47 | 12,211,689.18 | 95.8 | | \$121,244.18 |
| | | | | <i>Costo Estimado de Combustible #6=</i> | \$8.746569 (MMBTU) |
| | | | | <i>Costo Estimado de Combustible #2=</i> | \$13.500794 (MMBTU) |
| | | | | <i>Costo Estimado de Combustible Total =</i> | \$9.928535 (MMBTU) |

El pronóstico del costo de combustible por planta lo provee la Oficina de Combustible.

El pronóstico de la generación y el consumo por planta lo provee la División de Conservación y Servicios Técnicos de Centrales Generatrices.

Incluye un cargo adicional al precio proporcionado por la Oficina de Combustible para Combustible #2 por concepto de arbitrios.

Incluye un cargo adicional de 0.5% a todos los combustibles por el arbitrio municipal.

* El estimado para Costa Sur incluye el gas natural utilizado en las Unidades 5 & 6.

** Incluye la información del gas natural de Costa Sur 5 y 6.

AGOSTO 2017

| A | B |
|--|---|
| Generación Total Producida Combustible Fósil (MWH Neto) = 1,170,302 | Generación Total (Producida + Comprada) (MWH Neto) = 1,781,044 |
| (Factor R = A/B) FACTOR R = 0.65709 | |

AGOSTO 2017

| Estimado Compra de Energía a EcoEléctrica, L.P. | | | |
|--|--|--------------------------------------|-----------------------------------|
| Energía (KWH) | Cargo por Energía: (\$/kWh) | Factor Corrección Combustible | Pago por Energía |
| Hasta 76% XDL | 286,678,080 | 0.033899260 | \$10,058,095.14 |
| Sobre 76% XDL (SFP= \$11.22/MMBTU) | 7,011,920 | 0.084150000 | \$610,691.83 |
| Total Energía | 293,690,000 | | \$10,668,786.97 |
| Capacidad (KW) | Cargo por Capacidad: (\$/kW/Mes) | Factor Corrección Disponibilidad: | Pago por Capacidad |
| 507,000 | 36.52056259 | 1.010000000 | \$18,701,084.49 |
| Estimado Costo de Energía Comprada a EcoEléctrica = | | | \$29,369,871.46 |
| Estimado Compra de Energía a AES | | | |
| Energía (KWH) | Cargo Combustible (¢/kWh): | Cargo O&M Variable (¢/kWh): | Pago por Energía |
| 266,070,000 | 4.1699 | 0.7005 | \$11,094,852.93 \$1,863,820.35 |
| Total Energía | | | \$12,958,673.28 |
| Capacidad (KW) | Cargo por Capacidad (\$/kW/Mes) : | Cargo O&M Fijo (\$/kW/Mes): | Pago por Capacidad |
| 454,300 | 22.1500 | 6.4197 | \$10,062,745.00 |
| | Factor Corrección Disponibilidad 0.0000 | | \$2,916,469.71 |
| Total Capacidad | | | \$12,979,214.71 |
| Estimado Costo de Energía Comprada a AES = | | | \$25,937,887.99 |
| Estimado Compra de Energía EcoEléctrica y AES (KWH) = | | | 559,760,000 |
| Estimado Costo Total de Energía Comprada = | | | \$55,307,759.45 |

**ESTIMADO COMPRA DE ENERGÍA RENOVABLE
AGOSTO 2017**

| Proyecto | Energía (kWh) | CERs (MWh) | Precio Energía (¢/kWh) | Precio CERs (¢/kWh) | Pago por Energía | Pago por CERs | Estimado Costo de Energía Comprada |
|--|----------------------|------------------|------------------------|---------------------|------------------------|------------------------|------------------------------------|
| AES Ilumina | 3,746,000 | 3,746 | 16.24 | 3.5 | \$ 608,218.63 | \$ 131,110.00 | \$ 739,328.63 |
| Cantera Martinó | 350,000 | 350 | 16.60 | 3.5 | \$ 58,100.00 | \$ 12,250.00 | \$ 70,350.00 |
| Coto Laurel Solar Farm | 943,000 | 943 | 15.00 | 3.5 | \$ 141,450.00 | \$ 33,005.00 | \$ 174,455.00 |
| Horizon Energy | 2,260,000 | 2,260 | 14.59 | 3.5 | \$ 329,734.00 | \$ 79,100.00 | \$ 408,834.00 |
| Humacao Solar Project | 600,000 | 600 | 15.00 | 2.5 | \$ 90,000.00 | \$ 15,000.00 | \$ 105,000.00 |
| Landfill Gas Technologies of Fajardo | 401,000 | 401 | 10.00 | 0.0 | \$ 40,100.00 | \$ - | \$ 40,100.00 |
| Oriana Energy | 8,857,000 | 8,857 | 15.00 | 3.0 | \$ 1,328,550.00 | \$ 265,710.00 | \$ 1,594,260.00 |
| Pattern Santa Isabel | 19,321,000 | 19,321 | 13.27 | 2.7 | \$ 2,563,317.07 | \$ 512,586.13 | \$ 3,075,903.20 |
| Punta Lima Wind Farm | 5,678,000 | 5,678 | 13.27 | 2.5 | \$ 753,300.26 | \$ 141,950.00 | \$ 895,250.26 |
| San Fermin Solar Farm | 3,599,000 | 3,599 | 15.30 | 3.5 | \$ 550,647.00 | \$ 125,965.00 | \$ 676,612.00 |
| Landfill Gas Tech Fajardo of Toa Baja | 581,000 | 581 | 10.00 | 0.0 | \$ 58,100.00 | \$ - | \$ 58,100.00 |
| Estimado Total de Energía Renovable | 46,336,000.00 | 46,336.00 | 14.07 | 2.84 | \$ 6,521,516.96 | \$ 1,316,676.13 | \$ 7,838,193.09 |

**ESTIMADO COMPRA DE ENERGÍA TOTAL
AGOSTO 2017**

| | |
|---|------------------------|
| <i>Estimado Compra de Energía Cogeneradoras (kWh) =</i> | 559,760,000 |
| <i>Estimado Compra de Energía Renovable (kWh) =</i> | 46,336,000 |
| <i>Estimado Compra de Certificados de Energía Renovable =</i> | 46,336 |
| <i>Estimado Compra de Energía Total (kWh) =</i> | 606,096,000 |
| <i>Estimado Costo Compra de Energía Cogeneradoras =</i> | \$55,307,759.45 |
| <i>Estimado Costo Total Compra de Energía Renovable =</i> | \$7,838,193.09 |
| <i>Estimado Costo Total de Energía Comprada =</i> | \$63,145,952.54 |

GOBIERNO DE PUERTO RICO
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SAN JUAN, PR 00936-4267

28 de julio de 2017

Efran Paredes Maisonet, Director
Planificación y Protección Ambiental


Gary F. Soto Fernández, Jefe
División de Operación del Sistema Eléctrico

DATOS PARA EL CÁLCULO DEL FACTOR DE AJUSTE DE COMBUSTIBLE

Incluimos los datos requeridos para agosto de 2017. Los mismos se calcularon a base de la información proyectada de operación y los datos estadísticos del comportamiento de las unidades.

La tabla incluye la generación neta, consumo de combustible, valor calorífico por barril y millón de Btu. Además, se incluye la aportación de cada sistema renovable para este mes.

Anejo

c Ing. Justo L. González Torres
Ing. William Ríos Mera
Ing. Edgardo Vázquez Báez
Ing. Salvador Serrano
Jefes, Divisiones Centrales Generatrices

Directorado de Generación
Departamento de Generación Confiable y Estadísticas
Datos para el Cálculo del Factor de Ajuste de Combustible

agosto 2017-Proyección

| Planta | Generación Térmica Neta (MWh) | Combustible Barriles | | Valor Calorífico (MMBtu/Bbl's) | MMBtu | |
|----------------------------------|-------------------------------|----------------------|-------------------|--------------------------------|---------------------|---------------------|
| | | Principal | Gas Natural | | Principal | Gas Natural |
| San Juan | 49,867.248 | 94,625.34 | - | 6.300 | 596,139.66 | - |
| Palo Seco | 90,903.795 | 169,403.03 | - | 6.300 | 1,067,239.06 | - |
| Costa Sur (Res. # 6 + GN) | | | | | | |
| Costa Sur 3 | 0.000 | 0.00 | - | 6.300 | 0.00 | - |
| Costa Sur 4 | 0.000 | 0.00 | - | 6.300 | 0.00 | - |
| Costa Sur 5 | 185,386.510 | 96,224.43 | 224,523.66 | 6.300 | 606,213.89 | 1,414,499.07 |
| Costa Sur 6 | 204,120.318 | 102,416.56 | 250,743.99 | 6.300 | 645,224.33 | 1,579,687.14 |
| Aguirre | 309,558.314 | 518,522.55 | - | 6.300 | 3,266,692.08 | - |
| Aguirre CC Gas | 77,013.664 | 187,076.48 | - | 5.544 | 1,037,152.01 | - |
| Gas | 3,468.423 | 8,320.27 | - | 5.544 | 46,127.56 | - |
| San Juan CC Gas | 131,107.734 | 247,981.04 | - | 5.544 | 1,374,806.87 | - |
| Cambalache | 48,004.320 | 104,240.17 | - | 5.544 | 577,907.51 | - |
| Total | 1,099,430.326 | 1,528,809.87 | 475,267.65 | ---- | 9,217,502.97 | 2,994,186.21 |
| San Juan CC-Vapor | 44,961.500 | N/A | N/A | N/A | N/A | N/A |
| Aguirre CC-Vapor | 25,910.640 | N/A | N/A | N/A | N/A | N/A |
| Hidro | 4,646.000 | N/A | N/A | N/A | N/A | N/A |
| Ecoeléctrica | 293,690.000 | N/A | N/A | N/A | N/A | N/A |
| AES | 266,070.000 | N/A | N/A | N/A | N/A | N/A |
| Renovable | 46,336.000 | N/A | N/A | N/A | N/A | N/A |
| Sistema Total | 1,781,044.466 | 1,528,809.87 | 475,267.65 | ---- | 9,217,502.97 | 2,994,186.21 |

th

JUAN PASTRANA RIVERA

From: Hugal R. Rios Diaz
Sent: Friday, July 28, 2017 10:52 AM
To: JUAN PASTRANA RIVERA
Subject: Datos para el Cálculo del Factor de Ajsute de Combustible 2017-08
Attachments: Datos para el Cálculo del Factor de Ajsute de Combustible 2017-08.pdf

Buenos días, Juan:

Te adelanto informe del asunto, el mismo está para la firma final. Cualquier duda me dejás saber.

hrd

Renovables

| | |
|--------------|-------------------|
| AES Ilumina | 3,746.000 |
| Martinó | 350.000 |
| Horizon | 2,260.000 |
| San Fermín | 3,599.000 |
| Bechara | - |
| Pattern | 19,321.000 |
| Plimawf | 5,678.000 |
| Oriana | 8,857.000 |
| Coto Laurel | 943.000 |
| Fonroche | 600.000 |
| LFG-Toa Baja | 581.000 |
| LGF-Fajardo | 401.000 |
| Total | 46,336.000 |

Tel: (787)521-5139
Fax: (787)521-5826
h-rios11903@aepr.com

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Visit our web site at www.prepa.com



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JUAN PASTRANA RIVERA

From: EDGARDO VAZQUEZ BAEZ
Sent: Wednesday, July 26, 2017 7:51 PM
To: JUAN PASTRANA RIVERA; Hugal R. Rios Diaz; Jose L. Carrasco Arroyo
Cc: Lourdes Lugo Guzman; Eric J. Santiago Pietri; Mary C Zapata Acosta; EDGARDO VAZQUEZ BAEZ
Subject: RE: Recordatorio : Factores de Ajuste de Combustible y Compra de Energía Agosto 2017

Buenas noches:

Se adelanta el informe de pronóstico de precios para Agosto 2017. Luego se enviará el memorando oficial. Gracias.

INFORME PRONÓSTICO DE PRECIOS - AGOSTO 2017

| <i>Producto</i> | <i>Planta</i> | <i>\$/BBL</i> | <i>\$/MMBTU</i> |
|---------------------|--------------------------------------|---------------|-----------------|
| Núm. 6 - 0.50% S | Aguirre | 56.2082 | 8.9219 |
| Núm. 6 - 0.50% S | Costa Sur | 56.2082 | 8.9219 |
| Núm. 6 - 0.50% S | San Juan/Palo Seco | 54.1382 | 8.5934 |
| Núm. 2 - 0.05% S | Aguirre / Ciclo Combinado / Mayagüez | 72.8049 | 13.1322 |
| Núm. 2 - 0.05% S | San Juan Ciclo Combinado/Palo Seco | 72.8049 | 13.1322 |
| Núm. 2 - 0.05% S | Cambalache | 72.8049 | 13.1322 |
| Núm. 2 - 0.05% S | Unidades Remotas | 72.8049 | 13.1322 |
| Propano | Todas | 43.7850 | 11.3934 |
| Gas Natural | Costa Sur | N/A | 8.3195 |

Edgardo Vázquez Báez, Acting Manager
PREPA Fuels Office
AEE - NEOS 311
Tel: 787-521-4005 / Interior: 4005
Cel.: 787-934-4365
E-mail: ed-vazquez@prepa.com

From: JUAN PASTRANA RIVERA
Sent: Wednesday, July 26, 2017 7:57 AM

| Costo Estimado AES Puerto Rico - Fase Operación Comercial | | | | August-17 | |
|---|-------------|-------------------------|--------------------------------------|--|-----------------------|
| Energía (kWh) | | | Costo Unitario (¢/kWh) | | Costo Estimado |
| | 266,070,000 | Combustible | 4.1699 | | \$11,094,852.93 |
| | 266,070,000 | O&M Variable | 0.7005 | | \$1,863,820.35 |
| | | | | Subtotal: | \$12,958,673.28 |
| Capacidad (kW) | | | Costo Unitario (\$/kW-mes) | Factor de Corrección Disponibilidad | Costo Estimado |
| | 454,300 | Demanda | 22.1500 | 0.0000 | \$10,062,745.00 |
| | 454,300 | O&M Fijo | 6.4197 | 0.0000 | \$2,916,469.71 |
| | | | | Subtotal: | \$12,979,214.71 |
| | | | | Total: | \$25,937,887.99 |

| Costo Estimado EcoEléctrica - Fase Operación Comercial | | | August-17 | |
|--|-------------|-----------------------------------|--|------------------------|
| Energía (kWh) | | Costo Unitario (\$/kWh) | Factor de Corrección Combustible | Costo Estimado |
| | 286,678,080 | 0.03389926 | 1.03497780 | \$10,058,095.14 |
| Sobre 76% XDL (SFP = \$11.22/MMBtu) | 7,011,920 | 0.08415000 | 1.03497780 | \$610,691.83 |
| Total Energía | 293,690,000 | | | \$10,668,786.97 |
| Capacidad (kW) | | Costo Unitario (\$/kW-mes) | Factor de Corrección Disponibilidad | Costo Estimado |
| | 507,000 | \$36.52056259 | 1.01000000 | \$18,701,084.49 |
| Total: | | | | \$29,369,871.46 |

PUERTO RICO ELECTRIC POWER AUTHORITY
 FUEL OIL CONSUMPTION REPORT
 FOR THE MONTH
 JUN 31, 2017

| | BARRELS | COST PER BARREL | AMOUNT |
|----------------------------------|--------------|-----------------|----------------|
| BEGINNING BALANCE | 1,595,576.06 | | 102,804,041.37 |
| ADJUSTMENTS | (65,993.30) | | (3,005,130.69) |
| INTEREST | | | |
| FUEL HEDGE | | | 549,490.82 |
| MISC. SERVICES & INSPECTION FEES | | | 1,164,266.49 |
| EXCISE TAXES | | | |
| RECEIPTS | | | |
| STEAM & GAS | 1,402,814.99 | 57.81 | 81,382,837.44 |
| NATURAL GAS | 504,693.97 | 53.31 | 26,907,128.05 |
| TOTAL RECEIPTS | 1,912,508.96 | 56.62 | 108,289,965.49 |
| SUBTOTAL | 3,452,731.72 | 60.76 | 209,802,633.51 |
| CONSUMPTION | | | |
| FUEL OIL | 1,238,616.16 | | 77,499,324.85 |
| NATURAL GAS | 504,693.97 | | 26,907,128.05 |
| ADJUSTMENTS | | | 509,109.36 |
| TOTAL CONSUMPTION | 1,738,310.13 | 60.38 | 104,915,562.26 |
| ENDING BALANCE | 1,714,421.59 | 61.18 | 104,887,071.25 |

Recognition of taxes in Asset Suite

PUERTO RICO ELECTRIC POWER AUTHORITY
FUEL OIL CONSUMPTION REPORT
FOR THE MONTH
JUN 30, 2017

| | SAN JUAN STEAM PLANT | | FUEL NO 6 | | PROPANE | | LIGHT DISTILLATE | | TOTAL | |
|---|----------------------|---------------|-----------|----------|---------|----|------------------|----|------------|---------------|
| | BBLs | \$ | BBLs | \$ | BBLs | \$ | BBLs | \$ | BBLs | \$ |
| BEG BAL. | 81,769.95 | 4,755,768.30 | - | - | - | - | - | - | 81,769.95 | 4,755,768.30 |
| ADJUSTMENT | - | - | - | - | - | - | - | - | - | - |
| RECEIPTS | 116,980.52 | 6,053,542.29 | 47.30 | 1,912.01 | - | - | - | - | 117,027.82 | 6,055,454.30 |
| INTEREST | - | - | - | - | - | - | - | - | - | - |
| FUEL HEDGE | - | - | - | - | - | - | - | - | - | - |
| MISC. SERV.& INSP FEES | - | 42,473.00 | - | - | - | - | - | - | - | 42,473.00 |
| EXCISE TAXES | - | 24,311.39 | - | - | - | - | - | - | - | 24,311.39 |
| TRANSFER IN | - | - | - | - | - | - | - | - | - | - |
| SUBTOTAL | 198,750.47 | 10,876,094.98 | 47.30 | 1,912.01 | - | - | - | - | 198,797.77 | 10,878,006.99 |
| TRANSFERS OUT | - | - | - | - | - | - | - | - | - | - |
| CONSUMPTION | 65,670.99 | 3,645,967.64 | 13.13 | 530.75 | - | - | - | - | 65,684.12 | 3,646,498.39 |
| FUEL HEDGE CONSUMPTION | - | - | - | - | - | - | - | - | - | - |
| ADJUSTMENT TO CONSUMPTION | - | 6,856.71 | - | - | - | - | - | - | - | 6,856.71 |
| ENDING BALANCE | 133,079.48 | 7,223,270.63 | 34.17 | 1,381.26 | - | - | - | - | 133,113.65 | 7,224,651.89 |
| PRICE PER BARREL | | 54.72 | | 40.42 | | | | | | |
| BEG. PRICE PER BARREL | | 58.16 | | 0.00 | | | | | | |
| ENDING PRICE PER BARREL | | 54.28 | | 40.42 | | | | | | |
| PRICE PER BARREL ACCORDING TO ASSET SUITE | | 55.52 | | | | | | | | |

| | PALO SECO STEAM PLANT | | FUEL NO 6 | | PROPANE | | LIGHT DISTILLATE | | TOTAL | |
|---|-----------------------|---------------|-----------|----------|---------|----|------------------|--------|------------|---------------|
| | BBLs | \$ | BBLs | \$ | BBLs | \$ | BBLs | \$ | BBLs | \$ |
| BEG BAL. | 299,030.61 | 16,214,853.75 | 204.11 | 8,257.24 | - | - | - | - | 299,234.72 | 16,223,110.99 |
| ADJUSTMENT | - | - | - | - | - | - | - | - | - | - |
| RECEIPTS | 84,046.71 | 4,348,825.06 | - | - | - | - | - | - | 84,046.71 | 4,348,825.06 |
| INTEREST | - | - | - | - | - | - | - | - | - | - |
| FUEL HEDGE | - | - | - | - | - | - | - | - | - | - |
| MISC. SERV.& INSP FEES | - | 1,650.00 | - | - | - | - | - | - | - | 1,650.00 |
| EXCISE TAXES | - | 17,465.14 | - | - | - | - | 8.32 | 562.15 | 8.32 | 17,465.14 |
| TRANSFER IN | - | - | - | - | - | - | - | - | - | 562.15 |
| SUBTOTAL | 383,077.32 | 20,582,795.95 | 204.11 | 8,257.24 | - | - | 8.32 | 562.15 | 383,289.75 | 20,591,613.34 |
| TRANSFERS OUT | - | - | - | - | - | - | - | - | - | - |
| CONSUMPTION | 74,721.30 | 4,084,837.98 | 25.24 | 1,021.08 | - | - | 8.32 | 562.15 | 74,754.86 | 4,086,421.21 |
| FUEL HEDGE CONSUMPTION | - | - | - | - | - | - | - | - | - | - |
| ADJUSTMENT TO CONSUMPTION | - | 471.90 | - | - | - | - | - | - | - | 471.90 |
| ENDING BALANCE | 308,356.02 | 16,497,484.07 | 178.87 | 7,236.16 | - | - | - | - | 308,534.89 | 16,504,720.23 |
| PRICE PER BARREL | | 53.73 | | 40.45 | | | | | | 67.57 |
| BEG. PRICE PER BARREL | | 54.22 | | 40.45 | | | | | | |
| ENDING PRICE PER BARREL | | 53.50 | | 40.45 | | | | | | |
| PRICE PER BARREL ACCORDING TO ASSET SUITE | | 54.67 | | | | | | | | |

Recognition of taxes in Asset Suite

PUERTO RICO ELECTRIC POWER AUTHORITY
 FUEL OIL CONSUMPTION REPORT
 FOR THE MONTH
 JUN 31, 2017

| | FUEL NO 6 | | PROPANE | | LIGHT DISTILLATE | | TOTAL | |
|---|--------------|-----------------|---------|--------|------------------|----|--------------|-----------------|
| | BBLs | \$ | BBLs | \$ | BBLs | \$ | BBLs | \$ |
| SOUTH COAST STEAM PLANT | | | | | | | | |
| BEG BAL. | 227,291.46 | 13,316,060.38 | 25.23 | 969.63 | - | - | 227,316.69 | 13,317,030.01 |
| ADJUSTMENT | (55,353.30) | (3,405,130.66) | - | - | - | - | (55,353.30) | (3,405,130.66) |
| RECEIPTS | 199,446.12 | 10,612,139.25 | - | - | - | - | 199,446.12 | 10,612,139.25 |
| INTEREST | - | - | - | - | - | - | - | - |
| FUEL HEDGE | - | - | - | - | - | - | - | - |
| MISC. SERV.& INSP FEES | - | 14,438.20 | - | - | - | - | - | 14,438.20 |
| EXCISE TAXES | - | 42,618.99 | - | - | - | - | - | 42,618.99 |
| TRANSFER IN | - | - | - | - | - | - | - | - |
| SUBTOTAL | 371,384.28 | 20,980,126.16 | 25.23 | 969.63 | - | - | 371,409.51 | 20,981,095.79 |
| TRANSFERS OUT | - | - | - | - | - | - | - | - |
| CONSUMPTION | 199,733.76 | 11,323,688.48 | - | - | - | - | 199,733.76 | 11,323,688.48 |
| FUEL HEDGE CONSUMPTION | - | - | - | - | - | - | - | - |
| ADJUSTMENT TO CONSUMPTION | - | 3,468.55 | - | - | - | - | - | 3,468.55 |
| ENDING BALANCE | 171,650.52 | 9,652,969.13 | 25.23 | 969.63 | - | - | 171,675.75 | 9,653,938.76 |
| PRICE PER BARREL | | 64.58 | | 38.43 | | | | |
| BEG. PRICE PER BARREL | | 58.59 | | 38.43 | | | | |
| ENDING PRICE PER BARREL | | 56.24 | | 38.43 | | | | |
| PRICE PER BARREL ACCORDING TO ASSET SUITE | | 56.69 | | | | | | |

| | FUEL NO 6 | | PROPANE | | LIGHT DISTILLATE | | CHES&CO ADDITIVES | | TOTAL | |
|---|------------|---------------|---------|----------|------------------|---------------|-------------------|----|--------------|---------------|
| | BBLs | \$ | BBLs | \$ | BBLs | \$ | BBLs | \$ | BBLs | \$ |
| ACUIRRE STEAM PLANT | | | | | | | | | | |
| BEG BAL. | 281,445.26 | 14,552,497.34 | 40.63 | 1,714.44 | 171,451.25 | 12,192,867.89 | - | - | 452,937.14 | 26,747,039.67 |
| ADJUSTMENT | - | - | - | - | - | - | - | - | - | - |
| RECEIPTS | 465,200.24 | 25,062,579.66 | - | - | 87,015.71 | 5,762,686.67 | - | - | 552,215.95 | 30,825,188.33 |
| INTEREST | - | - | - | - | - | - | - | - | - | - |
| FUEL HEDGE | - | - | - | - | - | - | - | - | - | - |
| MISC. SERV.& INSP FEES | - | 259,916.72 | - | - | - | - | - | - | - | 259,916.72 |
| EXCISE TAXES | - | 100,652.63 | - | - | - | 174,999.69 | - | - | - | 275,652.32 |
| TRANSFER IN | - | - | - | - | - | - | - | - | - | - |
| SUBTOTAL | 746,645.50 | 39,975,556.35 | 40.63 | 1,714.44 | 258,466.96 | 18,130,526.25 | - | - | 1,005,153.09 | 58,107,797.04 |
| TRANSFERS OUT | - | - | - | - | 186,291.07 | 13,681,921.02 | - | - | 186,291.07 | 13,681,921.02 |
| CONSUMPTION | 330,842.25 | 18,728,568.18 | 8.57 | 361.62 | - | - | - | - | 330,850.82 | 18,728,929.80 |
| FUEL HEDGE CONSUMPTION | - | - | - | - | - | - | - | - | - | - |
| ADJUSTMENT TO CONSUMPTION | - | - | - | - | - | - | - | - | - | - |
| ENDING BALANCE | 415,803.25 | 21,246,988.17 | 32.06 | 1,352.82 | 72,175.89 | 4,446,605.23 | - | - | 488,011.20 | 25,696,946.22 |
| PRICE PER BARREL | | 53.54 | | 42.20 | | 70.15 | | | | |
| BEG. PRICE PER BARREL | | 51.71 | | 42.20 | | 71.12 | | | | |
| ENDING PRICE PER BARREL | | 51.10 | | 42.20 | | 61.64 | | | | |
| PRICE PER BARREL ACCORDING TO ASSET SUITE | | 56.61 | | | | | | | | |

Transaction of April 2017 received in CORCO No. 6

PUERTO RICO ELECTRIC POWER AUTHORITY
FUEL OIL CONSUMPTION REPORT
FOR THE MONTH
JUN 30, 2017

| GAS PLANTS | MAYAGUEZ SPECIAL CYCLE | | SOLCO TURB-LIGHT DIST | | PALO SECO TURB-LIGHT DIST | | ACUIRRE POWER BLOCK-LIGHT DIST | | YABUCOA POWER BLOCK-LIGHT | | SUBTOTAL | |
|---|------------------------|--------------|-----------------------|------------|---------------------------|--------------|--------------------------------|------------|---------------------------|------------|------------|---------------|
| | BBLs | \$ | BBLs | \$ | BBLs | \$ | BBLs | \$ | BBLs | \$ | BBLs | \$ |
| BEG BAL. | 59,122.36 | 3,955,495.46 | 5,426.71 | 379,273.27 | 30,846.02 | 2,086,686.49 | 12,990.50 | 870,442.26 | 10,967.94 | 687,660.45 | 119,353.53 | 7,929,857.93 |
| ADJUSTMENT | - | - | - | - | - | - | - | - | - | - | - | - |
| RECEIPTS | 29,191.69 | 1,956,197.22 | - | - | 31,274.81 | 2,075,354.07 | - | - | 942.98 | 62,590.21 | 61,409.48 | 4,074,121.50 |
| INTEREST | - | - | - | - | - | - | - | - | - | - | - | - |
| MISC. SERV. & INSP FEES | - | - | - | - | - | - | - | - | - | - | - | - |
| EXCISE TAXES | - | - | - | - | - | 62,918.35 | - | - | - | 1,897.15 | - | 123,538.53 |
| TRANSFER IN | - | - | - | - | - | - | - | - | - | - | - | - |
| SUBTOTAL | 88,314.05 | 5,950,415.71 | 5,426.71 | 379,273.27 | 62,120.83 | 4,174,938.91 | 12,990.50 | 870,442.26 | 11,910.92 | 752,447.81 | 180,763.01 | 12,127,217.96 |
| TRANSFERS-OUT | - | - | - | - | 8.32 | 562.15 | - | - | - | - | 8.32 | 562.15 |
| CONSUMPTION | 2,827.00 | 181,593.10 | 910.35 | 63,624.45 | 32,587.79 | 2,218,009.68 | 0.89 | 59.43 | 423.43 | 28,858.89 | 36,749.46 | 2,492,145.55 |
| CAPITAL EXPENDITURE | - | - | - | - | - | - | - | - | - | - | - | - |
| ADJUSTMENT TO CONSUMPTION | - | - | - | - | - | - | - | - | - | - | - | - |
| ENDING BALANCE | 85,487.05 | 5,768,822.61 | 4,516.36 | 315,648.82 | 29,534.72 | 1,956,367.08 | 12,989.61 | 870,382.83 | 11,487.49 | 723,288.92 | 144,005.23 | 9,634,510.26 |
| PRICE PER BARREL | 67.38 | | | 69.89 | | 67.21 | | 67.01 | | 63.15 | | |
| BEG. PRICE PER BARREL | 66.90 | | | 69.89 | | 66.03 | | 67.01 | | 62.70 | | |
| ENDING PRICE PER BARREL | 67.48 | | | 69.89 | | 66.26 | | 67.01 | | 63.96 | | |
| PRICE PER BARREL ACCORDING TO ASSET SUITE | 64.24 | | | 69.89 | | 68.06 | | 66.78 | | 68.16 | | |

| GAS PLANTS | VEGA BAJA-LIGHT DIST | | JORBOS TURB-LIGHT DIST | | DAGUAO TURB-LIGHT DIST | | VIEQUES-DIESEL | | CULIBRA-DIESEL | | TOTAL TURBINES | |
|---|----------------------|------------|------------------------|------------|------------------------|------------|----------------|------------|----------------|----------|----------------|---------------|
| | BBLs | \$ | BBLs | \$ | BBLs | \$ | BBLs | \$ | BBLs | \$ | BBLs | \$ |
| BEG BAL. | 6,385.35 | 427,652.24 | 3,711.97 | 239,066.09 | 4,051.46 | 154,218.57 | 2,360.60 | 310,337.11 | 24.82 | 3,370.52 | 135,897.73 | 9,064,203.46 |
| ADJUSTMENTS | - | - | - | - | - | - | - | - | - | - | - | - |
| RECEIPTS | - | - | - | - | 471.55 | 31,276.50 | - | - | - | - | 61,881.03 | 4,105,998.00 |
| INTEREST | - | - | - | - | - | - | - | - | - | - | - | - |
| MISC. SERV. & INSP FEES | - | - | - | - | - | - | - | - | - | - | - | - |
| EXCISE TAXES | - | - | - | - | - | 948.58 | - | - | - | - | - | - |
| TRANSFER IN | - | - | - | - | - | - | - | - | - | - | - | 124,487.11 |
| SUBTOTAL | 6,385.35 | 427,652.24 | 3,711.97 | 239,066.09 | 4,523.01 | 186,443.65 | 2,360.60 | 310,337.11 | 24.82 | 3,370.52 | 197,768.76 | 13,294,888.57 |
| TRANSFERS-OUT | - | - | - | - | - | - | - | - | - | - | 8.32 | 562.15 |
| CONSUMPTION | 4,239.07 | 294,112.99 | 1.81 | 116.57 | 411.74 | 28,244.92 | - | - | - | - | 41,402.08 | 2,814,620.03 |
| ADJUSTMENT TO CONSUMPTION | - | - | - | - | - | - | - | - | - | - | - | - |
| ENDING BALANCE | 2,146.28 | 133,480.07 | 3,710.16 | 238,950.42 | 4,111.27 | 158,198.73 | 2,360.60 | 310,337.11 | 24.82 | 3,370.52 | 156,356.36 | 10,478,847.71 |
| PRICE PER BARREL | 66.97 | | | 64.40 | | 41.22 | | 131.47 | | 135.80 | | |
| BEG. PRICE PER BARREL | 66.97 | | | 64.40 | | 38.06 | | 131.47 | | 135.80 | | |
| ENDING PRICE PER BARREL | 62.19 | | | 64.40 | | 38.48 | | 131.47 | | 135.80 | | |
| PRICE PER BARREL ACCORDING TO ASSET SUITE | 69.38 | | | 64.40 | | 68.60 | | - | | - | | |

Recognition of taxes in Asset Suite

PUERTO RICO ELECTRIC POWER AUTHORITY
FUEL OIL CONSUMPTION REPORT
FOR THE MONTH
JUN 30, 2017

| ACQUIRE COMBINED CYCLE | LIGHT DISTILLATE | | ADDITIVE | | TOTAL | | CORCO - NO. 6 | | CORCO - NO. 2 | | TOTAL | |
|---|------------------|---------------|----------|----|------------|---------------|---------------|---------------|---------------|------------|------------|---------------|
| | BBLs | \$ | BBLs | \$ | BBLs | \$ | BBLs | \$ | BBLs | \$ | BBLs | \$ |
| BEG BAL | 20,433.96 | 2,204,826.84 | - | - | 20,433.96 | 2,204,826.84 | 183,063.93 | 12,335,918.30 | 15,248.00 | 965,960.78 | 198,311.93 | 13,301,879.08 |
| ADJUSTMENT | - | - | - | - | - | - | - | - | - | - | - | - |
| RECEIPTS | - | - | - | - | - | - | 55,253.30 | 3,005,130.66 | - | - | 55,253.30 | 3,005,130.66 |
| INTEREST | - | - | - | - | - | - | - | - | - | - | - | - |
| MISC. SERV. & INSP FEES | - | 228,987.90 | - | - | - | 228,987.90 | - | - | - | - | - | - |
| EXCISE TAXES | - | - | - | - | - | - | - | - | - | - | - | - |
| TRANSFER IN | 186,291.07 | 13,681,921.02 | - | - | 186,291.07 | 13,681,921.02 | - | - | - | - | - | - |
| SUBTOTAL | 206,725.03 | 16,115,735.76 | - | - | 206,725.03 | 16,115,735.76 | 238,417.23 | 15,341,048.96 | 15,248.00 | 965,960.78 | 253,665.23 | 16,307,009.74 |
| TRANSFERS-OUT | - | - | - | - | - | - | - | - | - | - | - | - |
| CONSUMPTION | 173,490.40 | 12,990,877.13 | - | - | 173,490.40 | 12,990,877.13 | - | - | - | - | - | - |
| ADJUSTMENT TO CONSUMPTION | - | - | - | - | - | - | - | - | - | - | - | - |
| ENDING BALANCE | 33,234.63 | 3,124,888.63 | - | - | 33,234.63 | 3,124,888.63 | 238,417.23 | 15,341,048.96 | 15,248.00 | 965,960.78 | 253,665.23 | 16,307,009.74 |
| PRICE PER BARREL | | 77.96 | | | | 77.96 | | 64.35 | | 63.35 | | 63.35 |
| BEG. PRICE PER BARREL | | 107.90 | | | | 107.90 | | 67.39 | | 63.35 | | 63.35 |
| ENDING PRICE PER BARREL | | 94.02 | | | | 94.02 | | 64.35 | | 63.35 | | 63.35 |
| PRICE PER BARREL ACCORDING TO ASSET SUITE | | 74.88 | | | | 74.88 | | - | | - | | - |

| CAMBALACHE GAS TURBINES | LIGHT DISTILLATE | | PROPANE | | TOTAL | |
|---|------------------|---------------|---------|----|------------|---------------|
| | BBLs | \$ | BBLs | \$ | BBLs | \$ |
| BEG BAL | 133,626.86 | 8,927,978.42 | - | - | 133,626.86 | 8,927,978.42 |
| ADJUSTMENT | - | - | - | - | - | - |
| RECEIPTS | 29,078.52 | 1,872,758.46 | - | - | 29,078.52 | 1,872,758.46 |
| INTEREST | - | - | - | - | - | - |
| MISC. SERV. & INSP FEES | - | 2,025.00 | - | - | - | 2,025.00 |
| EXCISE TAXES | - | 58,215.70 | - | - | - | 58,215.70 |
| TRANSFER IN | - | - | - | - | - | - |
| SUBTOTAL | 162,705.38 | 10,860,977.58 | - | - | 162,705.38 | 10,860,977.58 |
| TRANSFERS-OUT | - | - | - | - | - | - |
| CONSUMPTION | 28,408.59 | 2,079,954.77 | - | - | 28,408.59 | 2,079,954.77 |
| ADJUSTMENT TO CONSUMPTION | - | - | - | - | - | - |
| ENDING BALANCE | 134,296.79 | 8,781,022.81 | - | - | 134,296.79 | 8,781,022.81 |
| PRICE PER BARREL | | 66.75 | | | | 66.75 |
| BEG. PRICE PER BARREL | | 66.81 | | | | 66.81 |
| ENDING PRICE PER BARREL | | 65.39 | | | | 65.39 |
| PRICE PER BARREL ACCORDING TO ASSET SUITE | | 73.22 | | | | 73.22 |

PUERTO RICO ELECTRIC POWER AUTHORITY
 FUEL OIL CONSUMPTION REPORT
 FOR THE MONTH
 JUN 31, 2017

| SAN JUAN COMBINED CYCLE | LIGHT DISTILLATE | | PROPANE | | TOTAL | | CAPECO NO. 6 | | CAPECO NO. 2 | | TOTAL | |
|---------------------------|------------------|---------------|---------|----|------------|---------------|--------------|----|--------------|----|-------|----|
| | BBLs | \$ | BBLs | \$ | BBLs | \$ | BBLs | \$ | BBLs | \$ | BBLs | \$ |
| BEG BAL. | 46,057.08 | 8,262,294.60 | - | - | 46,057.08 | 8,262,294.60 | - | - | - | - | - | - |
| ADJUSTMENT | - | - | - | - | - | - | - | - | - | - | - | - |
| RECEIPTS | 308,765.54 | 20,557,943.38 | - | - | 308,765.54 | 20,557,943.38 | - | - | - | - | - | - |
| INTEREST | - | - | - | - | - | - | - | - | - | - | - | - |
| MISC. SERV. & INSP FEES | - | - | - | - | - | - | - | - | - | - | - | - |
| EXCISE TAXES | - | - | - | - | - | - | - | - | - | - | - | - |
| TRANSFER IN | - | - | - | - | - | - | - | - | - | - | - | - |
| SUBTOTAL | 354,822.62 | 29,441,663.92 | - | - | 354,822.62 | 29,441,663.92 | - | - | - | - | - | - |
| TRANSFERS-OUT | - | - | - | - | - | - | - | - | - | - | - | - |
| CONSUMPTION | 319,291.53 | 21,828,335.04 | - | - | 319,291.53 | 21,828,335.04 | - | - | - | - | - | - |
| CAPITAL EXPENDITURE | - | - | - | - | - | - | - | - | - | - | - | - |
| ADJUSTMENT TO CONSUMPTION | - | - | - | - | - | - | - | - | - | - | - | - |
| ENDING BALANCE | 35,531.09 | 7,115,075.26 | - | - | 35,531.09 | 7,115,075.26 | - | - | - | - | - | - |

PRICE PER BARREL 82.08
 BEG. PRICE PER BARREL 179.39
 ENDING PRICE PER BARREL 200.25
 PRICE PER BARREL ACCORDING TO ASSET SUITE 68.36

| GAS NATURAL | COSTA SURGN | | EQUIVALENT BBLs | | TOTAL | | EQUIVALENT BBLs | | TOTAL GAS NATURAL | |
|----------------------------|-----------------|---------------|-----------------|----|-----------------|---------------|-----------------|----|-------------------|---------------|
| | Equivalent BBLs | \$ | Equivalent BBLs | \$ | Equivalent BBLs | \$ | Equivalent BBLs | \$ | Equivalent BBLs | \$ |
| BEG BAL. | - | - | - | - | - | - | - | - | - | - |
| ADJUSTMENT | - | - | - | - | - | - | - | - | - | - |
| RECEIPTS (Equivalent BBLs) | 504,693.97 | 26,907,128.05 | - | - | 504,693.97 | 26,907,128.05 | - | - | 504,693.97 | 26,907,128.05 |
| INTEREST | - | - | - | - | - | - | - | - | - | - |
| MISC. SERV. & INSP FEES | - | - | - | - | - | - | - | - | - | - |
| EXCISE TAXES | - | - | - | - | - | - | - | - | - | - |
| TRANSFER IN | - | - | - | - | - | - | - | - | - | - |
| SUBTOTAL | 504,693.97 | 26,907,128.05 | - | - | 504,693.97 | 26,907,128.05 | - | - | 504,693.97 | 26,907,128.05 |
| TRANSFERS-OUT | - | - | - | - | - | - | - | - | - | - |
| CONSUMPTION | 504,693.97 | 26,907,128.05 | - | - | 504,693.97 | 26,907,128.05 | - | - | 504,693.97 | 26,907,128.05 |
| CAPITAL EXPENDITURE | - | - | - | - | - | - | - | - | - | - |
| ADJUSTMENT TO CONSUMPTION | - | - | - | - | - | - | - | - | - | - |
| ENDING BALANCE | - | - | - | - | - | - | - | - | - | - |

PRICE PER BARREL 53.31
 BEG. PRICE PER BARREL
 ENDING PRICE PER BARREL

Recognition of taxes in Asset Suite

TRANSFERS - BY PLANT
June 30, 2017

| KIND OF FUEL | PLANT | TRANSFERS OUT | | TRANSFERS IN | |
|--------------------|-------------------------|---------------|---------------|--------------|---------------|
| | | BARRELS | AMOUNT | BARRELS | AMOUNT |
| STEAM | | | | | |
| NO. 6 | SAN JUAN | - | - | - | - |
| PROANE | | - | - | - | - |
| LIGHT DESTILLATE | | - | - | - | - |
| NO. 6 | SOUTH COAST | - | - | - | - |
| PROANE | | - | - | - | - |
| LIGHT DESTILLATE | | - | - | - | - |
| NO. 6 | PALO SECO | - | - | - | - |
| PROANE | | - | - | - | - |
| LIGHT DESTILLATE | | - | - | 8.32 | 562.15 |
| NO. 6 | AGUIRRE | - | - | - | - |
| PROANE | | - | - | - | - |
| LIGHT DESTILLATE | | 186,291.07 | 13,681,921.02 | - | - |
| ADDITIVE | | - | - | - | - |
| TOTAL STEAM PLANTS | | 186,291.07 | 13,681,921.02 | 8.32 | 562.15 |
| GAS | | | | | |
| LIGHT DESTILLATE | MAYAGUEZ | - | - | - | - |
| LIGHT DESTILLATE | SOUTH COAST TURB | - | - | - | - |
| LIGHT DESTILLATE | PALO SECO TURB | 8.32 | 562.15 | - | - |
| LIGHT DESTILLATE | AGUIRRE POWER BLOCK | - | - | - | - |
| LIGHT DESTILLATE | YABUCOA | - | - | - | - |
| LIGHT DESTILLATE | DAGUAO TURB | - | - | - | - |
| LIGHT DESTILLATE | VEGA BAJA | - | - | - | - |
| LIGHT DESTILLATE | JOBOS (GUAYAMA) TURB | - | - | - | - |
| DIESEL | VIEQUES | - | - | - | - |
| DIESEL | CULEBRA | - | - | - | - |
| LIGHT DESTILLATE | AGUIRRE COMBINED | - | - | 186,291.07 | 13,681,921.02 |
| ADDITIVE | AGUIRRE COMBINED | - | - | - | - |
| LIGHT DESTILLATE | CAMBALACHE GAS TURBINES | - | - | - | - |
| ADDITIVE | CAMBALACHE GAS TURBINES | - | - | - | - |
| LIGHT DESTILLATE | SAN JUAN COMBINED CYCLE | - | - | - | - |
| TOTAL GAS PLANTS | | 8.32 | 562.15 | 186,291.07 | 13,681,921.02 |
| OTHER | | | | | |
| NO. 6 | CORCO | - | - | - | - |
| LIGHT DESTILLATE | CORCO | - | - | - | - |
| NO. 6 | CAPECO | - | - | - | - |
| LIGHT DESTILLATE | CAPECO | - | - | - | - |
| TOTAL ALL PLANTS | | 186,299.39 | 13,682,483.17 | 186,299.39 | 13,682,483.17 |

FUEL OIL CONSUMPTION REPORT
SUMMARY BY PLANT CONSUMPTION
JUNE 30, 2017

| PLANT | KIND OF FUEL | BARRELS | TOTAL | AMOUNT | TOTAL | GENERATION | EFFICIENCY |
|-------------------------|---------------------|------------|--------------|-----------------|-----------------|------------------|------------|
| <u>STEAM</u> | | | | | | | |
| SAN JUAN | NO. 6 | 65,670.99 | | \$ 3,652,824.35 | | | |
| | PROPANE | 13.13 | | 530.75 | | | |
| | LIGHT DESTILLATE | - | 65,684.12 | - | \$ 3,653,355.10 | 36,931,000 | 562.25 |
| SOUTH COAST | NO. 6 | 199,733.76 | | 11,327,157.03 | | | |
| | PROPANE | - | 199,733.76 | - | 11,327,157.03 | 424,930,000 | 2,127.48 |
| | LIGHT DESTILLATE | - | 199,733.76 | - | 11,327,157.03 | 424,930,000 | 2,127.48 |
| PALO SECO | NO. 6 | 74,721.30 | | 4,085,309.88 | | | |
| | PROPANE | 25.24 | | 1,021.08 | | | |
| | LIGHT DESTILLATE | 8.32 | 74,754.86 | 582.15 | 4,086,893.11 | 39,273,000 | 525.36 |
| AGUIRRE | NO. 6 | 330,842.25 | | 18,728,568.18 | | | |
| | PROPANE | 8.57 | | 361.62 | | | |
| | LIGHT DESTILLATE | - | 330,850.82 | - | 18,728,929.80 | 213,875,000 | 646.44 |
| TOTAL STEAM PLANTS | | | 671,023.56 | | 37,796,335.04 | 715,009,000 | |
| <u>GAS</u> | | | | | | | |
| MAYAGUEZ | LIGHT DESTILLATE | | 2,827.00 | 181,593.10 | 181,593.10 | 1,516,000 | 536.26 |
| | SOUTH COAST TURB | | 910.35 | 63,624.45 | 63,624.45 | 330,000 | 362.50 |
| | PALO SECO TURB | | 32,587.79 | 2,218,009.68 | 2,218,009.68 | 12,884,000 | 395.36 |
| AGUIRRE POWER BLOCK | LIGHT DESTILLATE | | 0.89 | 59.43 | 59.43 | - | - |
| | LIGHT DESTILLATE | | 423.43 | 28,858.89 | 28,858.89 | 150,000 | 354.25 |
| | LIGHT DESTILLATE | | 411.74 | 28,244.92 | 28,244.92 | 336,000 | 816.05 |
| VEGA BAJA | LIGHT DESTILLATE | | 4,239.07 | 294,171.67 | 294,171.67 | 1,495,000 | 352.67 |
| | LIGHT DESTILLATE | | 1.81 | 116.57 | 116.57 | - | - |
| | DIESEL | | - | - | - | - | - |
| AGUIRRE COMBINED | LIGHT DESTILLATE | | 173,490.40 | 12,990,877.13 | 12,990,877.13 | 88,659,000 | 512.18 |
| | LIGHT DESTILLATE | | - | - | - | - | - |
| | ADDITIVE | | - | - | - | - | - |
| CAMBALACHE GAS TURBINES | LIGHT DESTILLATE | | 28,408.59 | 2,079,954.77 | 2,079,954.77 | 13,437,000 | 472.99 |
| | LIGHT DESTILLATE | | - | - | - | - | - |
| | ADDITIVE | | - | - | - | - | - |
| SAN JUAN COMBINED CYCLE | LIGHT DESTILLATE | | 319,291.53 | 22,326,588.56 | 22,326,588.56 | 235,460,000 | 737.45 |
| | LIGHT DESTILLATE | | - | - | - | - | - |
| | ADDITIVE | | - | - | - | - | - |
| TOTAL GAS PLANTS | | | 562,592.60 | | 40,212,099.17 | 354,467,000 | |
| <u>NATURAL GAS</u> | | | | | | | |
| SOUTH COAST | NATURAL GAS | | 504,693.97 | 26,907,128.05 | 26,907,128.05 | - | - |
| | NATURAL GAS | | - | - | - | - | - |
| | CAPITAL EXPENDITURE | | - | - | - | - | - |
| TOTAL NATURAL GAS | | | 504,693.97 | | 26,907,128.05 | - | - |
| Fuel Hedge Consumption | | | | | | | |
| TOTAL ALL PLANTS | | | 1,738,310.13 | | 104,915,562.26 | 1,069,476,000.00 | |