

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

SAN JUAN, PUERTO RICO

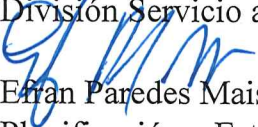
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APARTADO 364267  
CORREO GENERAL  
SAN JUAN, PR 00936-4267

28 de diciembre de 2016

Dwight Rodríguez Delgado, Jefe  
División Servicio al Cliente

  
Efran Paredes Maisonet, Jefe División  
Planificación y Estudios

**FACTORES DE AJUSTE - ENERO DE 2017**

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

**Tarifas a Voltaje de Distribución Secundaria:**

**\$ 0.126169 por kWh**

**Tarifas a Voltaje de Distribución Primaria:**

**\$ 0.120564 por kWh**

**Tarifas a Voltaje de Transmisión:**

**\$ 0.110053 por kWh**

**Tarifas en la Barra de Generación:**

**\$ 0.105023 por kWh**

Página 2

28 de diciembre de 2016

Los datos para calcular los factores de ajuste fueron:

|                         |                    |
|-------------------------|--------------------|
| Precio Facturado        | \$ 59.99413642/BBL |
| Barriles Estimados      | 1,606,441.11       |
| Estimado Compra Energía | \$61,545,500.90    |

Eficiencias

|                     |         |
|---------------------|---------|
| Secundaria          | 83.24%  |
| Primaria            | 87.11%  |
| Transmisión         | 95.43%  |
| Barra de Generación | 100.00% |

|                       |            |                  |
|-----------------------|------------|------------------|
| Compra de Combustible | Devolución | (\$6,851,302.08) |
| Compra de Energía     | Devolución | (\$7,206,395.89) |

|                                                               |               |
|---------------------------------------------------------------|---------------|
| Generación Neta Estimada (kWh)<br>(Incluye compra de energía) | 1,555,682,852 |
|---------------------------------------------------------------|---------------|

**Factores de Subsidio de Compra de Combustible**

Factores de Subsidio hasta \$30.00 /bbl:

Facturación Mensual    **\$ 0.026159 por kWh**

Los factores de subsidio hasta \$18.00/bbl son \$0.013579 por kWh (mensual).

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28 de diciembre de 2016

**FACTURACIÓN DE ENERO 2017**

| <b>Voltaje de Distribución</b> | <b>Compra de Combustible<br/>(\$/kWh)</b> | <b>Compra de Energía<br/>(\$/kWh)</b> | <b>Total<br/>(\$/kWh)</b> |
|--------------------------------|-------------------------------------------|---------------------------------------|---------------------------|
| Secundaria                     | 0.078333                                  | 0.047836                              | 0.126169                  |
| Primaria                       | 0.074853                                  | 0.045711                              | 0.120564                  |
| Transmisión                    | 0.068327                                  | 0.041726                              | 0.110053                  |
| Barra de Generación            | 0.065204                                  | 0.039819                              | 0.105023                  |

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22 de diciembre de 2016

Efran Paredes Maisonet  
Director, Interino  
Planificación y Protección Ambiental

  
Ernesto Ramos Morales  
Director de Finanzas

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AEE DIRECTOR DE FINANZAS

**CANTIDADES A INCLUIRSE EN LA FACTURACIÓN DE ENERO 2017**

A continuación presentamos las cantidades a recobrar o devolver por concepto del ajuste de combustible y compra de energía para noviembre 2016.

**Recobro o (Devolución)**

| Descripción                  | Total            |
|------------------------------|------------------|
| <b>AJUSTE DE COMBUSTIBLE</b> |                  |
| Noviembre                    | (\$6,851,302.08) |
| <b>COMPRA DE ENERGÍA</b>     |                  |
| Noviembre                    | (\$7,206,395.89) |

**DISTRIBUCIÓN DE LAS PÉRDIDAS  
DETERMINACIÓN DE LAS EFICIENCIAS DEL SISTEMA  
ACUMULACIÓN A 12 MESES A: NOVIEMBRE 16**

|                          | TOTAL          | BARRA     | TRANSMISIÓN   | PRIMARIA      | SECUNDARIA     | USO<br>AUTORIDAD |
|--------------------------|----------------|-----------|---------------|---------------|----------------|------------------|
| VENTAS VOLT. SECUNDARIO  | 8,946,324,005  | 0         | 0             | 0             | 8,946,324,005  |                  |
| USO AEE EN SECUNDARIA    | 10,192,090     | 0         | 0             | 0             | 0              | 10,192,090       |
| SUB-TOTAL                | 8,956,516,095  | 0         | 0             | 0             | 8,946,324,005  | 10,192,090       |
| PÉRDIDAS EN SECUNDARIA   | 416,025,984    | 0         | 0             | 0             | 415,552,566    | 473,418          |
| VENTAS VOLT. PRIMARIO    | 4,273,953,877  | 0         | 0             | 4,273,953,877 | 0              | 0                |
| USO AEE EN PRIMARIA      | 24,525,863     | 0         | 0             | 0             | 0              | 24,525,863       |
| SUB-TOTAL                | 13,671,021,820 | 0         | 0             | 4,273,953,877 | 9,361,876,571  | 35,191,371       |
| PÉRDIDAS EN PRIMARIA     | 1,305,992,106  | 0         | 0             | 408,290,624   | 894,339,652    | 3,361,830        |
| VENTAS VOLT. TRANSMISIÓN | 4,032,664,743  | 0         | 4,032,664,743 | 0             | 0              | 0                |
| USO AEE EN TRANSMISIÓN   | 0              | 0         | 0             | 0             | 0              | 0                |
| SUB-TOTAL                | 19,009,678,669 | 0         | 4,032,664,743 | 4,682,244,501 | 10,256,216,224 | 38,553,201       |
| PÉRDIDAS EN TRANSMISIÓN  | 910,785,461    | 0         | 193,211,704   | 224,334,156   | 491,392,452    | 1,847,148        |
| VENTAS EN LA BARRA       | 1,794,389      | 1,794,389 | 0             | 0             | 0              | 0                |
| GENERACIÓN NETA          | 19,922,258,518 | 1,794,389 | 4,225,876,448 | 4,906,578,657 | 10,747,608,676 | 40,400,349       |
| EFICIENCIA NETA          |                | 100.00%   | 95.43%        | 87.11%        | 83.24%         | 85.93%           |
| AUXILIARES               | 759,253,918    | 68,386    | 161,051,682   | 186,993,812   | 409,600,347    | 1,539,691        |
| GENERACION TOTAL         | 20,681,512,436 | 1,862,775 | 4,386,928,130 | 5,093,572,469 | 11,157,209,023 | 41,940,040       |
| EFICIENCIA TOTAL         |                | 96.33%    | 91.92%        | 83.91%        | 80.18%         | 82.78%           |

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23 de diciembre de 2016

Lourdes Lugo Guzmán, Gerente  
Departamento de Planificación Estratégica

*Maribel Franco Vélez*  
Maribel Franco Vélez, Gerente  
Departamento de Sistemas de Generación

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

El costo estimado de combustible para enero de 2017 es **\$64.236391** por barril (Cuadro 1) y **\$10.467113** 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 **0.59792** (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 ENERO 2017

| Planta                                              | Generación<br>Térmica Neta<br>(MWH) | Combustible<br>Barriles<br>(BBLs) | Eficiencia Neta<br>(KWH/BBL) | Costo Unitario<br>(BBL)  | Costo Total<br>(K)  |
|-----------------------------------------------------|-------------------------------------|-----------------------------------|------------------------------|--------------------------|---------------------|
| <i>San Juan</i>                                     | 83,462.64                           | 153,755.42                        | 542.8                        | \$61.48                  | \$9,452.33          |
| <i>Palo Seco</i>                                    | 94,104.50                           | 185,583.29                        | 507.1                        | \$61.48                  | \$11,408.99         |
| <i>Costa Sur (3 &amp; 4)</i>                        | 0.00                                | 0.00                              | 0.0                          | \$63.56                  | \$0.00              |
| <i>Costa Sur (5 )*</i>                              | 191,262.67                          | 336,986.61                        | 567.6                        | \$53.72                  | \$18,101.92         |
| <i>Costa Sur (6)*</i>                               | 83,912.34                           | 147,845.55                        | 567.6                        | \$53.74                  | \$7,945.36          |
| <i>Aguirre</i>                                      | 260,171.82                          | 435,851.38                        | 596.9                        | \$63.56                  | \$27,701.29         |
| <b>Sub-Total #6 **</b>                              | <b>712,913.97</b>                   | <b>1,260,022.25</b>               | <b>565.8</b>                 |                          | <b>\$74,609.89</b>  |
| <i>Aguirre CC</i>                                   | 0.00                                | 0.00                              | 0.0                          | \$82.51                  | \$0.00              |
| <i>Gas</i>                                          | 0.00                                | 0.00                              | 0.0                          | \$82.51                  | \$0.00              |
| <i>San Juan CC</i>                                  | 217,263.88                          | 346,418.86                        | 627.2                        | \$82.51                  | \$28,582.09         |
| <i>Cambalache</i>                                   | 0.00                                | 0.00                              | 0.0                          | \$82.51                  | \$0.00              |
| <b>Sub-Total #2</b>                                 | <b>217,263.88</b>                   | <b>346,418.86</b>                 | <b>627.2</b>                 |                          | <b>\$28,582.09</b>  |
| <b>TOTAL</b>                                        | <b>930,177.85</b>                   | <b>1,606,441.11</b>               | <b>579.0</b>                 |                          | <b>\$103,191.98</b> |
| <i>Costo Estimado de Combustible #6=</i>            |                                     |                                   |                              | \$59.213153 (BBL)        |                     |
| <i>Costo Estimado de Combustible #2=</i>            |                                     |                                   |                              | \$82.507315 (BBL)        |                     |
| <b><i>Costo Estimado de Combustible Total =</i></b> |                                     |                                   |                              | <b>\$64.236391 (BBL)</b> |                     |

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  
ENERO 2017**

| Planta                                              | Generación Neta<br>(MWH) | Consumo (MMBTU)     | Eficiencia Neta<br>(KWH/MMBTU) | Costo Unitario<br>(MMBTU)  | Costo Total<br>(K)  |
|-----------------------------------------------------|--------------------------|---------------------|--------------------------------|----------------------------|---------------------|
| <i>San Juan</i>                                     | 83,462.64                | 968,659.14          | 86.2                           | \$9.76                     | \$9,452.33          |
| <i>Palo Seco</i>                                    | 94,104.50                | 1,169,174.74        | 80.5                           | \$9.76                     | \$11,408.99         |
| <i>Costa Sur (3 &amp; 4)</i>                        | 0.00                     | 0.00                | 0.0                            | \$10.09                    | \$0.00              |
| <i>Costa Sur (5 )*</i>                              | 191,262.67               | 2,123,015.62        | 90.1                           | \$8.53                     | \$18,101.92         |
| <i>Costa Sur (6)*</i>                               | 83,912.34                | 931,426.95          | 90.1                           | \$8.53                     | \$7,945.36          |
| <i>Aguirre</i>                                      | 260,171.82               | 2,745,863.66        | 94.8                           | \$10.09                    | \$27,701.29         |
| <b>Sub-Total #6**</b>                               | <b>712,913.97</b>        | <b>7,938,140.11</b> | <b>89.8</b>                    |                            | <b>\$74,609.89</b>  |
| <i>Aguirre CC</i>                                   | 0.00                     | 0.00                | 0.0                            | \$14.88                    | \$0.00              |
| <i>Gas</i>                                          | 0.00                     | 0.00                | 0.0                            | \$14.88                    | \$0.00              |
| <i>San Juan CC</i>                                  | 217,263.88               | 1,920,546.16        | 113.1                          | \$14.88                    | \$28,582.09         |
| <i>Cambalache</i>                                   | 0.00                     | 0.00                | 0.0                            | \$14.88                    | \$0.00              |
| <b>Sub-Total #2</b>                                 | <b>217,263.88</b>        | <b>1,920,546.16</b> | <b>113.1</b>                   |                            | <b>\$28,582.09</b>  |
| <b>TOTAL</b>                                        | <b>930,177.85</b>        | <b>9,858,686.27</b> | <b>94.4</b>                    |                            | <b>\$103,191.98</b> |
| <i>Costo Estimado de Combustible #6=</i>            |                          |                     |                                | \$9.398913 (MMBTU)         |                     |
| <i>Costo Estimado de Combustible #2=</i>            |                          |                     |                                | \$14.882272 (MMBTU)        |                     |
| <b><i>Costo Estimado de Combustible Total =</i></b> |                          |                     |                                | <b>\$10.467113 (MMBTU)</b> |                     |

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.



**ENERO 2017**

| <b>A</b>                                                     |         | <b>B</b>                                                |           |
|--------------------------------------------------------------|---------|---------------------------------------------------------|-----------|
| Generación Total Producida<br>Combustible Fósil (MWH Neto) = | 930,178 | Generación Total (Producida +<br>Comprada) (MWH Neto) = | 1,555,683 |
| (Factor R = A/B)                                             |         |                                                         |           |
| <b>FACTOR R = 0.59792</b>                                    |         |                                                         |           |

## ENERO 2017

| Estimado Compra de Energía a EcoEléctrica, L.P.              |             |                                            |                                      |                        |
|--------------------------------------------------------------|-------------|--------------------------------------------|--------------------------------------|------------------------|
| Energía (KWH)                                                |             | Cargo por Energía:<br>(\$/kWh)             | Factor Corrección<br>Combustible     | Pago por Energía       |
| Hasta 76% XDL                                                | 286,678,080 | 0.033884660                                | 1.03898821                           | \$10,092,720.30        |
| Sobre 76% XDL                                                | 480,920     | 0.071400000                                | 1.03898821                           | \$35,676.45            |
| (SFP= \$8.70/MMBTU)                                          |             |                                            |                                      |                        |
| Total Energía                                                | 287,159,000 |                                            |                                      | \$10,128,396.75        |
| Capacidad (KW)                                               |             | Cargo por Capacidad:<br>(\$/kW/Mes)        | Factor Corrección<br>Disponibilidad: | Pago por Capacidad     |
|                                                              | 507,000     | 36.50219783                                | 1.010000000                          | \$18,691,680.44        |
| <b>Estimado Costo de Energía Comprada a EcoEléctrica =</b>   |             |                                            |                                      | <b>\$28,820,077.19</b> |
| Estimado Compra de Energía a AES                             |             |                                            |                                      |                        |
| Energía (KWH)                                                |             | Cargo Combustible<br>(¢/kWh):              | Cargo O&M Variable<br>(¢/kWh):       | Pago por Energía       |
|                                                              | 308,490,000 | 4.1699                                     | 0.7005                               | \$12,863,724.51        |
|                                                              |             |                                            |                                      | \$2,160,972.45         |
| Total Energía                                                |             |                                            |                                      | \$15,024,696.96        |
| Capacidad (KW)                                               |             | Cargo por Capacidad<br>(\$/kW/Mes) :       | Cargo O&M Fijo<br>(\$/kW/Mes):       | Pago por Capacidad     |
|                                                              | 454,300     | 22.1500                                    | 6.4197                               | \$10,062,745.00        |
|                                                              |             | Factor Corrección Disponibilidad<br>0.0000 |                                      | \$2,916,469.71         |
| Total Capacidad                                              |             |                                            |                                      | \$12,979,214.71        |
| <b>Estimado Costo de Energía Comprada a AES =</b>            |             |                                            |                                      | <b>\$28,003,911.67</b> |
| <b>Estimado Compra de Energía EcoEléctrica y AES (KWH) =</b> |             |                                            |                                      | <b>595,649,000</b>     |
| <b>Estimado Costo Total de Energía Comprada =</b>            |             |                                            |                                      | <b>\$56,823,988.86</b> |

**ESTIMADO COMPRA DE ENERGÍA RENOVABLE  
ENERO 2017**

| Proyecto                                   | Energía<br>(kWh)     | CERs<br>(MWh)    | Precio Energía<br>(¢/kWh) | Precio CERs<br>(¢/kWh) | Pago por<br>Energía    | Pago por<br>CERs     | Estimado Costo de<br>Energía Comprada |
|--------------------------------------------|----------------------|------------------|---------------------------|------------------------|------------------------|----------------------|---------------------------------------|
| AES Ilumina                                | 3,192,000            | 3,192            | 16.24                     | 3.5                    | \$ 518,268.52          | \$ 111,720.00        | \$ 629,988.52                         |
| Coto Laurel Solar Farm                     | 464,000              | 464              | 15.00                     | 3.5                    | \$ 69,600.00           | \$ 16,240.00         | \$ 85,840.00                          |
| Horizon Energy                             | 1,914,000            | 1,914            | 14.30                     | 3.5                    | \$ 273,702.00          | \$ 66,990.00         | \$ 340,692.00                         |
| Landfill Gas Technologies of Fajardo       | 855,000              | 855              | 10.00                     | 0.0                    | \$ 85,500.00           | \$ -                 | \$ 85,500.00                          |
| Oriana Energy                              | 3,700,000            | 3,700            | 15.00                     | 3.0                    | \$ 555,000.00          | \$ 111,000.00        | \$ 666,000.00                         |
| Pattern Santa Isabel                       | 11,604,000           | 11,604           | 13.27                     | 2.7                    | \$ 1,539,502.68        | \$ 307,854.12        | \$ 1,847,356.80                       |
| Punta Lima Wind Farm                       | 2,616,000            | 2,616            | 13.27                     | 2.5                    | \$ 347,064.72          | \$ 65,400.00         | \$ 412,464.72                         |
| San Fermin Solar Farm                      | 3,060,000            | 3,060            | 15.30                     | 3.5                    | \$ 468,180.00          | \$ 107,100.00        | \$ 575,280.00                         |
| WindMar Cantera Martínó                    | 390,000              | 390              | 16.60                     | 3.5                    | \$ 64,740.00           | \$ 13,650.00         | \$ 78,390.00                          |
| <b>Estimado Total de Energía Renovable</b> | <b>27,795,000.00</b> | <b>27,795.00</b> | <b>14.11</b>              | <b>2.88</b>            | <b>\$ 3,921,557.92</b> | <b>\$ 799,954.12</b> | <b>\$ 4,721,512.04</b>                |

**ESTIMADO COMPRA DE ENERGÍA TOTAL  
ENERO 2017**

|                                                               |                        |
|---------------------------------------------------------------|------------------------|
| <i>Estimado Compra de Energía Cogeneradoras (kWh) =</i>       | <i>595,649,000</i>     |
| <i>Estimado Compra de Energía Renovable (kWh) =</i>           | <i>27,795,000</i>      |
| <i>Estimado Compra de Certificados de Energía Renovable =</i> | <i>27,795</i>          |
| <i>Estimado Compra de Energía Total =</i>                     | <i>623,444,000</i>     |
| <i>Estimado Costo Compra de Energía Cogeneradoras =</i>       | <i>\$56,823,988.86</i> |
| <i>Estimado Costo Total Compra de Energía Renovable =</i>     | <i>\$4,721,512.04</i>  |
| <i>Estimado Costo Total de Energía Comprada =</i>             | <i>\$61,545,500.90</i> |

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SAN JUAN, PR 00936-4267

21 de diciembre de 2016

Efran Paredes Maisonet, Jefe Interino  
División de Planificación y Estudios

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

**DATOS PARA EL CÁLCULO DEL FACTOR DE AJUSTE DE COMBUSTIBLE**

Incluimos los datos requeridos para enero 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. Martín Pérez García  
Ing. Victor Morales Aquino  
Jefes, Divisiones Centrales Generatrices



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

**enero 2017-Proyección**

| Planta                    | Generación Térmica Neta (MWh) | Combustible Barriles |                   | Valor Calorífico (MMBtu/Bbl's) | MMBtu               |                     |
|---------------------------|-------------------------------|----------------------|-------------------|--------------------------------|---------------------|---------------------|
|                           |                               | Principal            | Gas Natural       |                                | Principal           | Gas Natural         |
| San Juan                  | 83,462.642                    | 153,755.42           | -                 | 6.300                          | 968,659.14          | -                   |
| Palo Seco                 | 94,104.503                    | 185,583.29           | -                 | 6.300                          | 1,169,174.74        | -                   |
| 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               | 191,262.669                   | 59,983.62            | 277,002.99        | 6.300                          | 377,896.78          | 1,745,118.84        |
| Costa Sur 6               | 83,912.338                    | 26,612.20            | 121,233.35        | 6.300                          | 167,656.85          | 763,770.10          |
| Aguirre                   | 260,171.816                   | 435,851.38           | -                 | 6.300                          | 2,745,863.66        | -                   |
| Aguirre CC Gas            | 0.000                         | 0.00                 | -                 | 5.544                          | 0.00                | -                   |
| Gas                       | 0.000                         | 0.00                 | -                 | 5.544                          | 0.00                | -                   |
| San Juan CC Gas           | 188,884.446                   | 346,418.86           | -                 | 5.544                          | 1,920,546.16        | -                   |
| Cambalache                | 0.000                         | 0.00                 | -                 | 5.544                          | 0.00                | -                   |
| <b>Total</b>              | <b>901,798.414</b>            | <b>1,208,204.76</b>  | <b>398,236.34</b> | <b>----</b>                    | <b>7,349,797.34</b> | <b>2,508,888.94</b> |
| San Juan CC-Vapor         | 28,379.438                    | N/A                  | N/A               | N/A                            | N/A                 | N/A                 |
| Aguirre CC-Vapor          | 0.000                         | N/A                  | N/A               | N/A                            | N/A                 | N/A                 |
| Hidro*                    | 2,061.000                     | N/A                  | N/A               | N/A                            | N/A                 | N/A                 |
| Ecoeléctrica*             | 287,159.000                   | N/A                  | N/A               | N/A                            | N/A                 | N/A                 |
| AES*                      | 308,490.000                   | N/A                  | N/A               | N/A                            | N/A                 | N/A                 |
| Renovable*                | 27,795.000                    | N/A                  | N/A               | N/A                            | N/A                 | N/A                 |
| <b>Sistema Total</b>      | <b>1,555,682.852</b>          | <b>1,208,204.76</b>  | <b>398,236.34</b> | <b>----</b>                    | <b>7,349,797.34</b> | <b>2,508,888.94</b> |

\* Información suministrada por el DOSE.

## Quiomarie Oquendo Rivera

---

**From:** Maribel Franco Velez  
**Sent:** Wednesday, December 21, 2016 12:35 PM  
**To:** Quiomarie Oquendo Rivera; Roberto A. Rivera Medina  
**Subject:** FW: Pronóstico-2017-01  
**Attachments:** Pronóstico-2017-01.pdf

**From:** Hugal R. Rios Diaz  
**Sent:** Wednesday, December 21, 2016 11:55 AM  
**To:** Maribel Franco Velez  
**Subject:** Pronóstico-2017-01

Buen día,

Te incluyo informe del asunto para tu consideración.

|                  |            |
|------------------|------------|
| F- AES ILUMINA   | 3,192.000  |
| G - MARTINO      | 390.000    |
| H - HORIZON      | 1,914.000  |
| I - SAN FERMIN   | 3,060.000  |
| J - BECHARA      | 0.000      |
| K - PATTERN      | 11,604.000 |
| L- PLIMAWF       | 2,616.000  |
| M-ORIANA         | 3,700.000  |
| O-COTO LAUREL    | 464.000    |
| P- LFG -TBAJA    | 0.000      |
| Q - LFG -FAJARDO | 855.000    |
| R- FONROCHE      | 0.000      |
| TOTAL            | 27,795.000 |

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22 de diciembre de 2016

Javier A. Quintana Méndez, Director Ejecutivo  
Efran Paredes Maisonet, Director Interino – Planificación y Protección Ambiental

PRONÓSTICO DE PRECIOS COMPRAS DE COMBUSTIBLES

Presentamos pronóstico de precios para enero de 2017.

| Producto         | Planta                               | \$/BBL  | \$/MMBTU |
|------------------|--------------------------------------|---------|----------|
| Núm. 6 - 0.50% S | Aguirre                              | 63.2408 | 10.0382  |
| Núm. 6 - 0.50% S | Costa Sur                            | 63.2408 | 10.0382  |
| Núm. 6 - 0.50% S | San Juan/Palo Seco                   | 61.1708 | 9.7096   |
| Núm. 2 - 0.05% S | Aguirre / Ciclo Combinado / Mayagüez | 80.4257 | 14.5068  |
| Núm. 2 - 0.05% S | San Juan Ciclo Combinado/Palo Seco   | 80.4257 | 14.5068  |
| Núm. 2 - 0.05% S | Cambalache                           | 80.4257 | 14.5068  |
| Núm. 2 - 0.05% S | Unidades Remotas                     | 80.4257 | 14.5068  |
| Propano          | Todas                                | 42.0735 | 10.9481  |
| Gas Natural      | Costa Sur                            | N/A     | 8.1883   |

Los precios de Núm. 2 no incluyen el arbitrio de \$1.68/bbl.

Equivalencias: 1 bbl. Núm. 6 = 6.300 MMBTU  
1 bbl. Núm. 2 = 5.544 MMBTU  
1 bbl. Propano = 3.843 MMBTU

Edwin Rodríguez Ruiz  
Administrador Oficina de Combustibles

| Costo Estimado EcoEléctrica - Fase Operación Comercial |                            |                                     |                 | January-17 |
|--------------------------------------------------------|----------------------------|-------------------------------------|-----------------|------------|
| Energía (kWh)                                          | Costo Unitario (\$/kWh)    | Factor de Corrección Combustible    | Costo Estimado  |            |
| 286,678,080                                            | 0.03388466                 | 1.03898821                          | \$10,092,720.30 |            |
| Sobre 76% XDL<br>(SFP = \$9.52/MMBtu)                  | 480,920                    | 1.03898821                          | \$35,676.45     |            |
| Total Energía                                          | 287,159,000                |                                     | \$10,128,396.75 |            |
| Capacidad (kW)                                         | Costo Unitario (\$/kW-mes) | Factor de Corrección Disponibilidad | Costo Estimado  |            |
| 507,000                                                | \$36.50219783              | 1.01000000                          | \$18,691,680.44 |            |
| Total:                                                 |                            |                                     | \$28,820,077.19 |            |

| Costo Estimado AES Puerto Rico - Fase Operación Comercial |             |                                  |                                           | January-17      |
|-----------------------------------------------------------|-------------|----------------------------------|-------------------------------------------|-----------------|
| Energía<br>(kWh)                                          |             | Costo<br>Unitario<br>(¢/kWh)     |                                           | Costo Estimado  |
|                                                           | 308,490,000 | Combustible                      | 4.1699                                    | \$12,863,724.51 |
|                                                           | 308,490,000 | O&M Variable                     | 0.7005                                    | \$2,160,972.45  |
|                                                           |             |                                  | Subtotal:                                 | \$15,024,696.96 |
| Capacidad<br>(kW)                                         |             | Costo<br>Unitario<br>(\$/kW-mes) | Factor de<br>Corrección<br>Disponibilidad | Costo Estimado  |
|                                                           | 454,300     | Demanda                          | 0.0000                                    | \$10,062,745.00 |
|                                                           | 454,300     | O&M Fijo                         | 0.0000                                    | \$2,916,469.71  |
|                                                           |             |                                  | Subtotal:                                 | \$12,979,214.71 |
|                                                           |             |                                  | Total:                                    | \$28,003,911.67 |



14 DEC 2016  
15 DEC 2016

PUERTO RICO ELECTRIC POWER AUTHORITY  
FUEL OIL CONSUMPTION REPORT  
FOR THE MONTH  
NOVEMBER 30, 2016

1 OF 8

|                                  | BARRELS      | COST PER<br>BARREL | AMOUNT         |
|----------------------------------|--------------|--------------------|----------------|
| BEGINNING BALANCE                | 1,95,469.41  |                    | 98,676,144.36  |
| ADJUSTMENTS                      | 8,609.69     |                    | 372,797.54     |
| INTEREST                         |              |                    |                |
| FUEL HEDGE                       |              |                    |                |
| MISC. SERVICES & INSPECTION FEES |              |                    | 543,039.13     |
| EXCISE TAXES                     |              |                    | 808,908.86     |
| RECEIPTS                         |              |                    |                |
| STEAM & GAS                      | 1,280,819.36 | 55.99              | 71,205,481.58  |
| NATURAL GAS                      | 475,793.97   | 47.83              | 22,757,334.93  |
| TOTAL RECEIPTS                   | 1,756,613.33 | 53.49              | 93,962,816.51  |
| SUBTOTAL                         | 3,360,683.43 | 57.83              | 194,363,706.70 |
| CONSUMPTION                      |              |                    |                |
| FUEL OIL                         | 1,244,077.69 |                    | 70,952,692.66  |
| NATURAL GAS                      | 475,793.97   |                    | 22,757,334.93  |
| ADJUSTMENTS                      | 25.55        |                    | 801,560.65     |
| TOTAL CONSUMPTION                | 1,719,897.21 | 54.95              | 94,511,588.24  |
| ENDING BALANCE                   | 1,640,786.22 | 60.86              | 99,852,118.46  |

Recognition of taxes in Asset Sale

Adj. due to a change in BBL quantity, price, taxes, after the closing of previous accounting month.  
Adjustment to Cambridge Inventory of July 2015 not reported by the Fuel Office until November 2016.

PUERTO RICO ELECTRIC POWER AUTHORITY  
FUEL OIL CONSUMPTION REPORT  
FOR THE MONTH  
NOVEMBER 30, 2016

| SAN JUAN STEAM PLANT      |            | FUEL NO. 6    |  | PROPANE |        | LIGHT DISTILLATE |    | TOTAL      |               |
|---------------------------|------------|---------------|--|---------|--------|------------------|----|------------|---------------|
|                           | BBL'S      | \$            |  | BBL'S   | \$     | BBL'S            | \$ | BBL'S      | \$            |
| BEG. BAL.                 | 91,548.88  | 5,124,302.77  |  | 23.29   | 924.98 | -                | -  | 91,572.17  | 5,125,427.75  |
| ADJUSTMENT                | -          |               |  |         |        | -                | -  | -          | -             |
| RECEIPTS                  | 196,720.79 | 9,841,391.42  |  | -       | -      | -                | -  | 196,720.79 | 9,841,391.42  |
| INTEREST                  |            |               |  |         |        |                  |    | -          | -             |
| FUEL HEDGE                |            |               |  |         |        |                  |    | -          | -             |
| MISC. SERV. & INSP FEES   |            | 121,249.11    |  |         |        |                  |    | -          | -             |
| EXCISE TAXES              |            | 28,010.88     |  |         | -      |                  |    | -          | -             |
| TRANSFER IN               | -          | -             |  | -       | -      |                  |    |            |               |
| SUBTOTAL                  | 288,269.67 | 15,115,154.18 |  | 23.29   | 924.98 | -                | -  | 288,292.96 | 15,116,079.16 |
| TRANSFERS OUT             | -          | -             |  |         |        |                  |    |            |               |
| CONSUMPTION               | 202,678.48 | 10,500,836.86 |  | 12.76   | 486.91 | -                | -  | 202,690.74 | 10,501,323.77 |
| FUEL HEDGE CONSUMPTION    |            |               |  |         |        |                  |    |            |               |
| ADJUSTMENT TO CONSUMPTION | -          | 13,226.54     |  |         | -      |                  |    | -          | -             |
| ENDING BALANCE            | 85,591.19  | 4,601,090.78  |  | 11.03   | 438.07 | -                | -  | 85,602.22  | 4,601,528.85  |

PRICE PER BARREL 52.43  
BEG. PRICE PER BARREL 55.68  
ENDING PRICE PER BARREL 53.76  
PRICE PER BARREL ACCORDING TO ASSET SUITE 51.81

39.72  
39.72  
39.72

| PALO SECO STEAM PLANT     |            | FUEL NO. 6    |        | PROPANE  |           | LIGHT DISTILLATE |            | TOTAL         |  |
|---------------------------|------------|---------------|--------|----------|-----------|------------------|------------|---------------|--|
|                           | BBL'S      | \$            | BBL'S  | \$       | BBL'S     | \$               | BBL'S      | \$            |  |
| BEG. BAL.                 | 272,182.12 | 14,075,353.37 | 204.33 | 7,344.85 | -         | -                | 272,386.45 | 14,082,598.22 |  |
| ADJUSTMENT                | -          | -             | -      | -        | -         | -                | -          | -             |  |
| RECEIPTS                  | 280,132.68 | 14,103,193.71 | 36.68  | 1,344.09 | -         | -                | 280,169.36 | 14,104,537.80 |  |
| INTEREST                  |            |               |        |          |           |                  |            |               |  |
| FUEL HEDGE                |            |               |        |          |           |                  |            |               |  |
| MISC. SERV. & INSP FEES   |            | 3,425.00      |        |          |           |                  | -          | 3,425.00      |  |
| EXCISE TAXES              |            | 33,020.35     |        |          |           |                  | -          | 33,020.35     |  |
| TRANSFER IN               | -          | -             | -      | -        | 161.81    | 9,497.96         | 161.81     | 9,497.96      |  |
| SUBTOTAL                  | 552,314.80 | 28,214,892.43 | 241.01 | 8,688.94 | 161.81    | 9,497.96         | 552,717.62 | 28,233,079.33 |  |
| TRANSFERS OUT             | -          | -             | -      | -        | -         | -                | -          | -             |  |
| CONSUMPTION               | 238,259.61 | 12,392,635.81 | 79.30  | 2,858.93 | 188.30    | 11,052.88        | 238,527.21 | 12,406,547.62 |  |
| FUEL HEDGE CONSUMPTION    |            |               |        |          |           |                  |            |               |  |
| ADJUSTMENT TO CONSUMPTION | -          | 10,446.71     |        | -        | ( 26.49 ) | 1,563.92 )       | ( 26.49 )  | 8,891.79      |  |
| ENDING BALANCE            | 314,055.19 | 15,811,899.91 | 161.71 | 5,830.01 | -         | -                | 314,216.90 | 15,817,839.92 |  |

PRICE PER BARREL 51.08  
BEG. PRICE PER BARREL 51.71  
ENDING PRICE PER BARREL 50.35  
PRICE PER BARREL ACCORDING TO ASSET SUITE 52.01

36.05  
35.95  
36.05

Recognition of taxes in Asset Suite & Adjustment of October 2016

PUERTO RICO ELECTRIC POWER AUTHORITY  
FUEL OIL CONSUMPTION REPORT  
FOR THE MONTH  
NOVEMBER 30, 2016

| SOUTH COAST STEAM PLANT   |            | FUEL NO. 6    | PROPANE | LIGHT DISTILLATE | TOTAL      |               |
|---------------------------|------------|---------------|---------|------------------|------------|---------------|
|                           | BBL'S      | \$            | BBL'S   | \$               | BBL'S      | \$            |
| BEG. BAL.                 | 252,720.97 | 13,584,682.91 | 39.04   | 1,372.32         | 252,770.01 | 13,586,055.23 |
| ADJUSTMENT                |            |               |         |                  |            |               |
| RECEIPTS                  | 230,027.31 | 12,273,757.99 | -       | -                | 230,027.31 | 12,273,757.99 |
| INTEREST                  |            |               |         |                  |            |               |
| FUEL HEDGE                |            |               |         |                  |            |               |
| MISC. SERV. & INSP FEES   |            | 14,031.54     |         |                  |            | 14,031.54     |
| EXCISE TAXES              |            | 49,202.15     |         |                  |            | 49,202.15     |
| TRANSFER IN               |            |               |         |                  |            |               |
| SUBTOTAL                  | 482,758.28 | 25,921,764.59 | 39.04   | 1,372.32         | 482,797.32 | 25,923,136.91 |
| TRANSFERS OUT             |            |               |         |                  |            |               |
| CONSUMPTION               | 140,165.85 | 7,405,871.29  | -       | -                | 140,165.85 | 7,405,871.29  |
| FUEL HEDGE CONSUMPTION    |            |               |         |                  |            |               |
| ADJUSTMENT TO CONSUMPTION |            |               |         |                  |            |               |
| ENDING BALANCE            | 342,592.43 | 18,515,893.30 | 39.04   | 1,372.32         | 342,631.47 | 18,517,265.62 |

PRICE PER BARREL 53.70 35.15  
BEG. PRICE PER BARREL 53.75 35.15  
ENDING PRICE PER BARREL 54.05 35.15  
PRICE PER BARREL ACCORDING TO ASSET SUITE 52.84

| ACQUIRE STEAM PLANT       |            | FUEL NO. 6    | PROPANE | LIGHT DISTILLATE | CHESCO ADDITIVES |               | TOTAL      |               |
|---------------------------|------------|---------------|---------|------------------|------------------|---------------|------------|---------------|
|                           | BBL'S      | \$            | BBL'S   | \$               | BBL'S            | \$            | BBL'S      | \$            |
| BEG. BAL.                 | 296,018.94 | 14,493,707.05 | 52.29   | 1,959.06         | 166,307.21       | 11,448,915.35 | 462,408.44 | 25,944,581.46 |
| ADJUSTMENT                |            |               |         |                  |                  |               |            |               |
| RECEIPTS                  | 264,354.01 | 13,862,515.94 | -       | -                | -                | -             | 264,354.01 | 13,862,515.94 |
| INTEREST                  |            |               |         |                  |                  |               |            |               |
| FUEL HEDGE                |            |               |         |                  |                  |               |            |               |
| MISC. SERV. & INSP FEES   |            | 174,995.33    |         |                  |                  |               |            | 174,995.33    |
| EXCISE TAXES              |            | 55,672.70     |         |                  |                  |               |            | 55,672.70     |
| TRANSFER IN               |            |               |         |                  |                  |               |            |               |
| SUBTOTAL                  | 560,402.95 | 28,586,891.02 | 52.29   | 1,959.06         | 166,307.21       | 11,448,915.35 | 776,762.45 | 40,037,765.43 |
| TRANSFERS OUT             |            |               |         |                  |                  |               |            |               |
| CONSUMPTION               | 330,935.85 | 17,254,662.33 | 10.71   | 401.25           | 14,573.41        | 1,045,579.54  | 14,573.41  | 1,045,579.54  |
| FUEL HEDGE CONSUMPTION    |            |               |         |                  |                  |               |            |               |
| ADJUSTMENT TO CONSUMPTION |            |               |         |                  |                  |               |            |               |
| ENDING BALANCE            | 229,467.10 | 11,332,227.64 | 41.58   | 1,557.81         | 151,733.80       | 10,403,335.81 | 391,242.48 | 21,737,201.26 |

PRICE PER BARREL 51.01 37.47 68.84  
BEG. PRICE PER BARREL 48.96 37.47 68.84  
ENDING PRICE PER BARREL 47.32 37.47 68.56  
PRICE PER BARREL ACCORDING TO ASSET SUITE 53.76

Adjustment of October 2016

PUERTO RICO ELECTRIC POWER AUTHORITY  
FUEL OIL CONSUMPTION REPORT  
FOR THE MONTH  
NOVEMBER 30, 2016

| GAS PLANTS                                 | MAYAGUEZ SPECIAL CYCLE |              | SOLCO TURB-LIGHT DEST |            | PALO SECO TURB-LIGHT DEST |              | AGUIRRE POWER BLOCK-LIGHT DEST |            | YABUICOA POWER BLOCK-LIGHT |            | SUBTOTAL   |              |
|--------------------------------------------|------------------------|--------------|-----------------------|------------|---------------------------|--------------|--------------------------------|------------|----------------------------|------------|------------|--------------|
|                                            | BBL'S                  | \$           | BBL'S                 | \$         | BBL'S                     | \$           | BBL'S                          | \$         | BBL'S                      | \$         | BBL'S      | \$           |
| BEG BAL                                    | 70,078.70              | 4,666,229.22 | 4,639.23              | 322,949.60 | 42,073.18                 | 2,469,821.18 | 13,326.74                      | 892,896.81 | 9,596.06                   | 660,841.23 | 139,719.91 | 9,012,538.04 |
| ADJUSTMENT                                 | -                      | -            | 73.79                 | 4311.77    | -                         | 13,661.71    | -                              | -          | -                          | 863.59     | 73.79      | 7,786.35     |
| RECEIPTS                                   | -                      | -            | 1,522.14              | 102,824.06 | -                         | -            | -                              | -          | -                          | -          | 1,522.14   | 102,824.06   |
| INTEREST                                   | -                      | -            | -                     | -          | -                         | -            | -                              | -          | -                          | -          | -          | -            |
| MISC. SERV & INSP FEES                     | -                      | 1,127.95     | -                     | -          | -                         | -            | -                              | -          | -                          | -          | -          | 1,127.95     |
| EXCISE TAXES                               | -                      | -            | -                     | 3,071.32   | -                         | -            | -                              | -          | -                          | -          | -          | 3,071.32     |
| TRANSFER IN                                | -                      | -            | -                     | -          | -                         | -            | -                              | -          | -                          | -          | -          | -            |
| SUBTOTAL                                   | 70,078.70              | 4,667,357.17 | 6,087.64              | 424,333.21 | 42,073.18                 | 2,483,482.89 | 13,326.74                      | 892,896.81 | 9,596.06                   | 659,977.64 | 141,162.32 | 9,127,447.72 |
| TRANSFERS-OUT                              | -                      | -            | -                     | -          | 161.81                    | 9,497.96     | -                              | -          | -                          | -          | 161.81     | 9,497.96     |
| CONSUMPTION                                | 630.00                 | 39,584.28    | -                     | -          | 180.68                    | 10,605.60    | 41.62                          | 2,779.44   | -                          | -          | 853.30     | 52,969.32    |
| CAPITAL EXPENDITURE                        | -                      | -            | -                     | -          | -                         | -            | -                              | -          | -                          | -          | -          | -            |
| ADJUSTMENT TO CONSUMPTION                  | 25.57                  | 22,438.37    | -                     | -          | 26.49                     | 1,554.92     | -                              | -          | -                          | 4,692.80   | 52.06      | 28,686.09    |
| ENDING BALANCE                             | 69,423.13              | 4,605,334.52 | 6,087.64              | 424,333.21 | 41,704.20                 | 2,461,024.41 | 13,285.12                      | 890,117.37 | 9,596.06                   | 655,284.84 | 140,096.15 | 9,036,294.35 |
| PRICE PER BARREL                           |                        | 66.60        |                       | 69.74      |                           | 59.01        |                                | 67.00      |                            | 68.78      |            |              |
| BEG. PRICE PER BARREL                      |                        | 66.59        |                       | 69.61      |                           | 58.70        |                                | 67.00      |                            | 68.87      |            |              |
| ENDING PRICE PER BARREL                    |                        | 66.34        |                       | 69.74      |                           | 59.01        |                                | 67.00      |                            | 68.29      |            |              |
| PRICE PER BARREL, ACCORDING TO ASSET SUITE |                        | 62.83        |                       |            |                           | 58.70        |                                | 66.78      |                            |            |            |              |

| GAS PLANTS                                 | VEGA BAIA-LIGHT DEST |           | JOMOS TURB-LIGHT DEST |            | DAGUANO TURB-LIGHT DEST |            | VIEQUES-DIESEL |            | CUTEBRA-DIESEL |          | TOTAL TURBINES |              |
|--------------------------------------------|----------------------|-----------|-----------------------|------------|-------------------------|------------|----------------|------------|----------------|----------|----------------|--------------|
|                                            | BBL'S                | \$        | BBL'S                 | \$         | BBL'S                   | \$         | BBL'S          | \$         | BBL'S          | \$       | BBL'S          | \$           |
| BEG BAL                                    | 1,425.74             | 95,306.84 | 4,539.40              | 300,978.43 | 3,165.51                | 215,981.15 | 2,360.60       | 310,337.11 | 24.82          | 3,370.32 | 151,239.98     | 9,037,939.09 |
| ADJUSTMENTS                                | -                    | -         | 30.50                 | 5,018.56   | -                       | 156,416.17 | -              | -          | -              | -        | 104.59         | 153,548.78   |
| RECEIPTS                                   | -                    | -         | -                     | -          | -                       | -          | -              | -          | -              | -        | 1,522.14       | 102,824.06   |
| INTEREST                                   | -                    | -         | -                     | -          | -                       | -          | -              | -          | -              | -        | -              | -            |
| MISC. SERV & INSP FEES                     | -                    | -         | -                     | -          | -                       | -          | -              | -          | -              | -        | -              | 1,127.95     |
| EXCISE TAXES                               | -                    | -         | -                     | -          | -                       | -          | -              | -          | -              | -        | -              | 3,071.32     |
| TRANSFER IN                                | -                    | -         | -                     | -          | -                       | -          | -              | -          | -              | -        | -              | -            |
| SUBTOTAL                                   | 1,425.74             | 95,306.84 | 4,538.54              | 295,959.47 | 3,165.51                | 58,981.98  | 2,360.60       | 310,337.11 | 24.82          | 3,370.32 | 152,657.33     | 9,897,403.64 |
| TRANSFER-OUT                               | -                    | -         | -                     | -          | -                       | -          | -              | -          | -              | -        | 161.81         | 9,497.96     |
| CONSUMPTION                                | -                    | -         | -                     | -          | -                       | -          | -              | -          | -              | -        | 852.30         | 52,969.32    |
| ADJUSTMENT TO CONSUMPTION                  | -                    | -         | -                     | -          | -                       | -          | -              | -          | -              | -        | 52.06          | 28,686.09    |
| ENDING BALANCE                             | 1,425.74             | 95,306.84 | 4,538.54              | 295,959.47 | 3,165.51                | 58,981.98  | 2,360.60       | 310,337.11 | 24.82          | 3,370.32 | 151,591.36     | 9,800,250.27 |
| PRICE PER BARREL                           |                      | 66.85     |                       | 65.50      |                         | 18.63      |                | 131.47     |                | 135.80   |                |              |
| BEG. PRICE PER BARREL                      |                      | 66.85     |                       | 66.16      |                         | 18.63      |                | 131.47     |                | 135.80   |                |              |
| ENDING PRICE PER BARREL                    |                      | 66.85     |                       | 65.50      |                         | 18.63      |                | 131.47     |                | 135.80   |                |              |
| PRICE PER BARREL, ACCORDING TO ASSET SUITE |                      | -         |                       | -          |                         | -          |                | -          |                | -        |                |              |

Adjustment due to a change in barrel quantity, price, excise taxes, and/or municipal taxes after the closing of previous accounting months.  
Recognition of taxes in Asset Suite & Adjustment of October 2016



14 DEC 2016  
15 DEC 2016

PUERTO RICO ELECTRIC POWER AUTHORITY  
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| ACQUIRE COMBINED CYCLE    | LIGHT DISTILLATE |              | ADDITIVE |    | TOTAL      |              | CORCO - NO. 6 |               | CORCO - NO. 2 |            | TOTAL      |               |
|---------------------------|------------------|--------------|----------|----|------------|--------------|---------------|---------------|---------------|------------|------------|---------------|
|                           | BBL'S            | \$           | BBL'S    | \$ | BBL'S      | \$           | BBL'S         | \$            | BBL'S         | \$         | BBL'S      | \$            |
| BEG BAL                   | 30,361.68        | 2,845,685.14 | -        | -  | 30,361.68  | 2,845,685.14 | 183,063.93    | 12,335,918.30 | 15,248.00     | 965,960.78 | 198,311.93 | 13,301,879.08 |
| ADJUSTMENT                | -                | -            | -        | -  | -          | -            | -             | -             | -             | -          | -          | -             |
| RECEIPTS                  | -                | -            | -        | -  | -          | -            | -             | -             | -             | -          | -          | -             |
| INTEREST                  | -                | -            | -        | -  | -          | -            | -             | -             | -             | -          | -          | -             |
| MISC. SERV. & INSP FEES   | -                | -            | -        | -  | -          | -            | -             | -             | -             | -          | -          | -             |
| EXCISE TAXES              | 222,318.45       | -            | -        | -  | 222,318.45 | -            | -             | -             | -             | -          | -          | -             |
| TRANSFER IN               | 14,573.41        | 1,045,579.54 | -        | -  | 14,573.41  | 1,045,579.54 | -             | -             | -             | -          | -          | -             |
| SUBTOTAL                  | 44,935.09        | 4,113,383.13 | -        | -  | 44,935.09  | 4,113,383.13 | 183,063.93    | 12,335,918.30 | 15,248.00     | 965,960.78 | 198,311.93 | 13,301,879.08 |
| TRANSFERS-OUT             | -                | -            | -        | -  | -          | -            | -             | -             | -             | -          | -          | -             |
| CONSUMPTION               | 16,502.20        | 1,180,603.97 | -        | -  | 16,502.20  | 1,180,603.97 | -             | -             | -             | -          | -          | -             |
| ADJUSTMENT TO CONSUMPTION | -                | -            | -        | -  | -          | -            | -             | -             | -             | -          | -          | -             |
| ENDING BALANCE            | 28,432.89        | 2,932,779.16 | -        | -  | 28,432.89  | 2,932,779.16 | 183,063.93    | 12,335,918.30 | 15,248.00     | 965,960.78 | 198,311.93 | 13,301,879.08 |

PRICE PER BARREL 91.54  
BEG. PRICE PER BARREL 93.73  
ENDING PRICE PER BARREL 103.15  
PRICE PER BARREL, ACCORDING TO ASSET SUITE 71.54

67.39  
67.39  
67.39  
67.39

| CAMPALACHE GAS TURBINES   | LIGHT DISTILLATE |              | PROPANE |    | TOTAL     |              |
|---------------------------|------------------|--------------|---------|----|-----------|--------------|
|                           | BBL'S            | \$           | BBL'S   | \$ | BBL'S     | \$           |
| BEG BAL                   | 85,160.41        | 5,393,486.24 | -       | -  | 85,160.41 | 5,393,486.24 |
| ADJUSTMENT                | 8,705.28         | 526,210.92   | -       | -  | 8,705.28  | 526,210.92   |
| RECEIPTS                  | -                | -            | -       | -  | -         | -            |
| INTEREST                  | -                | -            | -       | -  | -         | -            |
| MISC. SERV. & INSP FEES   | -                | -            | -       | -  | -         | -            |
| EXCISE TAXES              | 5,891.75         | -            | -       | -  | 5,891.75  | -            |
| TRANSFER IN               | 17,255.93        | -            | -       | -  | 17,255.93 | -            |
| SUBTOTAL                  | 93,865.69        | 5,912,844.84 | -       | -  | 93,865.69 | 5,912,844.84 |
| TRANSFERS-OUT             | -                | -            | -       | -  | -         | -            |
| CONSUMPTION               | 4,767.17         | 342,003.48   | -       | -  | 4,767.17  | 342,003.48   |
| ADJUSTMENT TO CONSUMPTION | ( 0.02)          | 35,589.27    | -       | -  | ( 0.02)   | 35,589.27    |
| ENDING BALANCE            | 89,098.54        | 5,565,222.09 | -       | -  | 89,098.54 | 5,565,222.09 |

PRICE PER BARREL 63.31  
BEG. PRICE PER BARREL 63.33  
ENDING PRICE PER BARREL 62.46  
PRICE PER BARREL, ACCORDING TO ASSET SUITE 71.75  
Inventory of July 2016 not reported by the Fuel Office until November 2016.  
Recognition of taxes in Asset Suite & Adjustment of October 2016

63.31  
63.33  
62.46  
71.75

12/16/2016

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PUERTO RICO ELECTRIC POWER AUTHORITY  
FUEL OIL CONSUMPTION REPORT  
FOR THE MONTH  
NOVEMBER 30, 2016

| SAN JUAN COMBINED CYCLE   |            | LIGHT DISTILLATE |      | PROPANE |            | TOTAL         |      | CAPECO NO. 6 |      | CAPECO NO. 2 |      | TOTAL |  |
|---------------------------|------------|------------------|------|---------|------------|---------------|------|--------------|------|--------------|------|-------|--|
|                           | BBLS       | \$               | BBLS | \$      | BBLS       | \$            | BBLS | \$           | BBLS | \$           | BBLS | \$    |  |
| BEG BAL                   | 51,258.34  | 8,458,502.15     | -    | -       | 51,258.34  | 8,458,502.15  | -    | -            | -    | -            | -    | -     |  |
| ADJUSTMENT                | -          | 135.70           | -    | -       | -          | 135.70        | -    | -            | -    | -            | -    | -     |  |
| RECEIPTS                  | 308,025.75 | 21,020,454.37    | -    | -       | 308,025.75 | 21,020,454.37 | -    | -            | -    | -            | -    | -     |  |
| INTEREST                  | -          | -                | -    | -       | -          | -             | -    | -            | -    | -            | -    | -     |  |
| MISC. SERV./A. INSP FEES  | -          | -                | -    | -       | -          | -             | -    | -            | -    | -            | -    | -     |  |
| EXCISE TAXES              | -          | 622,585.53       | -    | -       | -          | 622,585.53    | -    | -            | -    | -            | -    | -     |  |
| TRANSFER IN               | -          | -                | -    | -       | -          | -             | -    | -            | -    | -            | -    | -     |  |
| TRANSFER OUT              | -          | -                | -    | -       | -          | -             | -    | -            | -    | -            | -    | -     |  |
| SUBTOTAL                  | 359,284.09 | 30,101,677.75    | -    | -       | 359,284.09 | 30,101,677.75 | -    | -            | -    | -            | -    | -     |  |
| TRANSPORTE-OUT            | -          | -                | -    | -       | -          | -             | -    | -            | -    | -            | -    | -     |  |
| CONSUMPTION               | 319,625.66 | 21,808,279.63    | -    | -       | 319,625.66 | 21,808,279.63 | -    | -            | -    | -            | -    | -     |  |
| CAPITAL EXPENDITURE       | -          | -                | -    | -       | -          | -             | -    | -            | -    | -            | -    | -     |  |
| ADJUSTMENT TO CONSUMPTION | -          | 715,165.91       | -    | -       | -          | 715,165.91    | -    | -            | -    | -            | -    | -     |  |
| ENDING BALANCE            | 30,658.43  | 7,578,322.21     | -    | -       | 30,658.43  | 7,578,322.21  | -    | -            | -    | -            | -    | -     |  |

PRICE PER BARREL 83.78  
BEG. PRICE PER BARREL 166.02  
ENDING PRICE PER BARREL 191.09  
PRICE PER BARREL, ACCORDING TO ASSET SUITE 68.23

| GAS NATURAL                           |                 | COSTA SUR CN  |                 |    |                 | TOTAL GAS NATURAL |                 |               |  |
|---------------------------------------|-----------------|---------------|-----------------|----|-----------------|-------------------|-----------------|---------------|--|
|                                       | Equivalent BBLS | \$            | Equivalent BBLS | \$ | Equivalent BBLS | \$                | Equivalent BBLS | \$            |  |
| BEG BAL                               | -               | -             | -               | -  | -               | -                 | -               | -             |  |
| ADJUSTMENT RECEIPTS (Equivalent BBLS) | 475,793.97      | 22,757,334.93 | -               | -  | -               | -                 | 475,793.97      | 22,757,334.93 |  |
| INTEREST                              | -               | -             | -               | -  | -               | -                 | -               | -             |  |
| MISC. SERV. & INSP FEES               | -               | -             | -               | -  | -               | -                 | -               | -             |  |
| EXCISE TAXES                          | -               | -             | -               | -  | -               | -                 | -               | -             |  |
| TRANSFER IN                           | -               | -             | -               | -  | -               | -                 | -               | -             |  |
| SUBTOTAL                              | 475,793.97      | 22,757,334.93 | -               | -  | -               | -                 | 475,793.97      | 22,757,334.93 |  |
| TRANSFERS-OUT                         | -               | -             | -               | -  | -               | -                 | -               | -             |  |
| CONSUMPTION                           | 475,793.97      | 22,757,334.93 | -               | -  | -               | -                 | 475,793.97      | 22,757,334.93 |  |
| CAPITAL EXPENDITURE                   | -               | -             | -               | -  | -               | -                 | -               | -             |  |
| ADJUSTMENT TO CONSUMPTION             | -               | -             | -               | -  | -               | -                 | -               | -             |  |
| ENDING BALANCE                        | -               | -             | -               | -  | -               | -                 | -               | -             |  |

PRICE PER BARREL 47.83  
BEG. PRICE PER BARREL  
ENDING PRICE PER BARREL  
Adjustment due to a change in barrel quantity, price, excise taxes, and/or municipal taxes, after the the closing of previous accounting months.  
Recognition of taxes in Asset Suite



FUEL OIL CONSUMPTION REPORT  
SUMMARY BY PLANT CONSUMPTION  
NOVEMBER 30, 2016

| PLANT                   | KIND OF FUEL                                     | BARRELS                       | TOTAL        | AMOUNT                                | TOTAL            | GENERATION       | EFFICIENCY |
|-------------------------|--------------------------------------------------|-------------------------------|--------------|---------------------------------------|------------------|------------------|------------|
| <u>STEAM</u>            |                                                  |                               |              |                                       |                  |                  |            |
| SAN JUAN                | NO. 6<br>PROPANE<br>LIGHT DESTILLATE             | 202,678.48<br>12.26<br>-      | 202,690.74   | \$ 10,514,063.40<br>486.91<br>-       | \$ 10,514,550.31 | 118,830,000      | 586.26     |
| SOUTH COAST             | NO. 6<br>PROPANE<br>LIGHT DESTILLATE             | 140,165.85<br>-<br>-          | 140,165.85   | 7,405,871.29<br>-<br>-                | 7,405,871.29     | 370,180,000      | 2,641.01   |
| PALO SECO               | NO. 6<br>PROPANE<br>LIGHT DESTILLATE             | 238,259.61<br>79.30<br>161.81 | 238,500.72   | 12,403,082.52<br>2,658.93<br>9,497.96 | 12,415,439.41    | 133,886,000      | 561.37     |
| AGUIRRE                 | NO. 6<br>PROPANE<br>LIGHT DESTILLATE<br>ADDITIVE | 320,935.85<br>10.71<br>-      | 320,946.56   | 17,254,663.38<br>401.25<br>-          | 17,255,064.63    | 206,040,000      | 641.98     |
| TOTAL STEAM PLANTS      |                                                  |                               | 902,303.87   | -                                     | 47,590,925.64    | 828,936,000      | -          |
| <u>GAS</u>              |                                                  |                               |              |                                       |                  |                  |            |
| MAYAGUEZ                | LIGHT DESTILLATE                                 | 655.57                        | 655.57       | 62,022.65                             | 62,022.65        | 334,700          | 510.55     |
| SOUTH COAST TURB        | LIGHT DESTILLATE                                 | -                             | -            | -                                     | -                | -                | -          |
| PALO SECO TURB          | LIGHT DESTILLATE                                 | 207.17                        | 207.17       | 12,160.52                             | 12,160.52        | 85,000           | 410.29     |
| AGUIRRE POWER BLOCK     | LIGHT DESTILLATE                                 | 41.62                         | 41.62        | 2,779.44                              | 2,779.44         | -                | -          |
| YABUCCA                 | LIGHT DESTILLATE                                 | -                             | -            | 4,692.80                              | 4,692.80         | -                | -          |
| DAGUAO TURB             | LIGHT DESTILLATE                                 | -                             | -            | -                                     | -                | -                | -          |
| VEGA BALA               | LIGHT DESTILLATE                                 | -                             | -            | -                                     | -                | -                | -          |
| JOBOS (GUAYAMA) TURB    | LIGHT DESTILLATE                                 | -                             | -            | -                                     | -                | -                | -          |
| VIEQUES                 | LIGHT DESTILLATE                                 | -                             | -            | -                                     | -                | -                | -          |
| CULEBRA                 | DIESEL                                           | -                             | -            | -                                     | -                | -                | -          |
| AGUIRRE COMBINED        | LIGHT DESTILLATE                                 | 16,502.20                     | 16,502.20    | 1,180,603.97                          | 1,180,603.97     | 5,891,000        | 356.98     |
| AGUIRRE COMBINED        | ADDITIVE                                         | -                             | -            | -                                     | -                | -                | -          |
| CAMBALACHE GAS TURBINES | LIGHT DESTILLATE                                 | 4,767.15                      | 4,767.15     | 377,622.75                            | 377,622.75       | 2,177,000        | 456.67     |
| CAMBALACHE GAS TURBINES | ADDITIVE                                         | -                             | -            | -                                     | -                | -                | -          |
| SAN JUAN COMBINED CYCLE | LIGHT DESTILLATE                                 | 319,625.66                    | 319,625.66   | 22,523,445.54                         | 22,523,445.54    | 235,563,000      | 737.00     |
| TOTAL GAS PLANTS        |                                                  |                               | 341,793.37   | -                                     | 24,163,327.67    | 244,050,700      | -          |
| <u>NATURAL GAS</u>      |                                                  |                               |              |                                       |                  |                  |            |
| SOUTH COAST             | NATURAL GAS                                      | 475,793.97                    | 475,793.97   | 22,757,334.93                         | 22,757,334.93    | -                | -          |
| CAPITAL EXPENDITURE     |                                                  |                               | -            | -                                     | -                | -                | -          |
| TOTAL NATURAL GAS       |                                                  |                               | 475,793.97   | -                                     | 22,757,334.93    | -                | -          |
| Fuel Hedge Consumption  |                                                  |                               | -            | -                                     | -                | -                | -          |
| TOTAL ALL PLANTS        |                                                  |                               | 1,719,897.21 | -                                     | 94,511,588.24    | 1,072,986,700.00 | -          |

TRANSFERS - BY PLANT  
November 30, 2016

| KIND OF FUEL       | PLANT                   | TRANSFERS OUT |              | TRANSFERS IN |              |
|--------------------|-------------------------|---------------|--------------|--------------|--------------|
|                    |                         | BARRELS       | AMOUNT       | BARRELS      | AMOUNT       |
| STEAM              |                         |               |              |              |              |
| NO. 6              | SAN JUAN                | -             | -            | -            | -            |
| PROPANE            |                         | -             | -            | -            | -            |
| LIGHT DESTILLATE   |                         | -             | -            | -            | -            |
| NO. 6              | SOUTH COAST             | -             | -            | -            | -            |
| PROPANE            |                         | -             | -            | -            | -            |
| LIGHT DESTILLATE   |                         | -             | -            | -            | -            |
| NO. 6              | PALO SECO               | -             | -            | -            | -            |
| PROPANE            |                         | -             | -            | -            | -            |
| LIGHT DESTILLATE   |                         | -             | -            | -            | -            |
| NO. 6              | AGUIRRE                 | -             | -            | -            | -            |
| PROPANE            |                         | -             | -            | -            | -            |
| LIGHT DESTILLATE   |                         | -             | -            | -            | -            |
| ADDITIVE           |                         | -             | -            | -            | -            |
| TOTAL STEAM PLANTS |                         | 14,573.41     | 1,045,379.54 | 161.81       | 9,497.96     |
| GAS                |                         |               |              |              |              |
| LIGHT DESTILLATE   | MAYAGUEZ                | -             | -            | -            | -            |
| LIGHT DESTILLATE   | SOUTH COAST TURB        | -             | -            | -            | -            |
| LIGHT DESTILLATE   | PALO SECO TURB          | 161.81        | 9,497.96     | -            | -            |
| LIGHT DESTILLATE   | AGUIRRE POWER BLOCK     | -             | -            | -            | -            |
| LIGHT DESTILLATE   | YABUCCA                 | -             | -            | -            | -            |
| LIGHT DESTILLATE   | DAGUAO TURB             | -             | -            | -            | -            |
| LIGHT DESTILLATE   | VEGA BAJA               | -             | -            | -            | -            |
| LIGHT DESTILLATE   | JOBOS (GUAYAMA) TURB    | -             | -            | -            | -            |
| LIGHT DESTILLATE   | VIEQUES                 | -             | -            | -            | -            |
| LIGHT DESTILLATE   | CULEBRA                 | -             | -            | -            | -            |
| LIGHT DESTILLATE   | AGUIRRE COMBINED        | -             | -            | 14,573.41    | 1,045,379.54 |
| LIGHT DESTILLATE   | AGUIRRE COMBINED        | -             | -            | -            | -            |
| LIGHT DESTILLATE   | CAMBALACHE GAS TURBINES | -             | -            | -            | -            |
| LIGHT DESTILLATE   | CAMBALACHE GAS TURBINES | -             | -            | -            | -            |
| LIGHT DESTILLATE   | SAN JUAN COMBINED CYCLE | -             | -            | -            | -            |
| TOTAL GAS PLANTS   |                         | 161.81        | 9,497.96     | 14,573.41    | 1,045,379.54 |
| OTHER              |                         |               |              |              |              |
| NO. 6              | CORCO                   | -             | -            | -            | -            |
| LIGHT DESTILLATE   | CORCO                   | -             | -            | -            | -            |
| NO. 6              | CAPECO                  | -             | -            | -            | -            |
| LIGHT DESTILLATE   | CAPECO                  | -             | -            | -            | -            |
| TOTAL ALL PLANTS   |                         | 14,735.22     | 1,054,877.50 | 14,735.22    | 1,054,877.50 |