

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

NEPR

Received:

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

**CASO NÚM.: NEPR-MI-2020-0001**

**ASUNTO: Moción en Cumplimiento  
con la Orden Notificada el 20  
de diciembre de 2022**

**MOCIÓN EN CUMPLIMIENTO CON LA ORDEN  
NOTIFICADA EL 20 DE DICIEMBRE DE 2022**

AL HONORABLE NEGOCIADO DE ENERGÍA:

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

1. El 15 de diciembre de 2022, LUMA Energy, LLC y LUMA Energy ServCo, LLC (conjuntamente, “LUMA”), presentó ante el Negociado de Energía de la Junta Reglamentadora de Servicio Público de Puerto Rico (“Negociado de Energía” o “Negociado”), un documento titulado *Motion Submitting Reconciliations for the Months of September, October and November 2022, Submission of FCA, PPCA, and FOS Calculated Factors and Request for Confidential Treatment* (“Moción de 15 de diciembre”).
2. Mediante la Moción del 15 de diciembre, LUMA presentó la reconciliación de las distintas cláusulas en la fórmula de la tarifa, a saber, Cláusula de Ajuste por Compra de Combustible (“FCA”, por sus siglas en inglés), Cláusula de Ajuste por Compra de Energía (“PPCA”, por sus siglas en inglés) y Cláusula de Subsidio de Combustible (“FOS”, por sus siglas en inglés) correspondiente a los meses de septiembre a noviembre de 2022. Además, LUMA presentó los

factores propuestos para dichas cláusulas, a estar vigentes durante el periodo de 1 de enero de 2022 a 31 de marzo de 2022.

3. Luego de un análisis preliminar de la Moción del 15 de diciembre, el Negociado de Energía notificó una Resolución y Orden, mediante la cual, entre otras cosas, realizó una serie de requerimientos de información dirigidos a la Autoridad y a LUMA (“Orden del 20 de diciembre”). La Orden del 20 de diciembre estableció el término de cumplimiento hasta hoy, 22 de diciembre de 2022 a las 3:00pm.

4. En cumplimiento con la Orden del 20 diciembre y en mutuo acuerdo con LUMA, la Autoridad respetuosamente presenta las respuestas a los requerimientos de información correspondientes a la Autoridad. Anejo A<sup>1</sup>.

POR TODO LO CUAL, se solicita respetuosamente al Negociado de Energía que determine que la Autoridad cumplió con la Orden del 20 de diciembre.

**RESPETUOSAMENTE SOMETIDO.**

En San Juan, Puerto Rico a 22 de diciembre de 2022.

*f/Joannely Marrero Cruz*  
 Joannely Marrero Cruz  
 TSPR 20,014  
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<sup>1</sup> Varios documentos que se adjuntan se han presentado de manera confidencial. En cumplimiento con los procesos para reclamar confidencialidad establecidos bajo el caso CEPR-MI-2016-0009, *In Re: Política Sobre Manejo de Información Confidencial en los Procedimientos ante la Comisión*, la Autoridad presentará un memorando argumentando las bases de derecho que sustentan la petición de determinación de confidencialidad dentro de los próximos diez (10) días.

## CERTIFICADO DE NOTIFICACIÓN

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

En San Juan, Puerto Rico, hoy 22 de diciembre de 2022.

*f/Joannely Marrero Cruz*  
Joannely Marrero Cruz

## **Anejo A**



1. La Autoridad deberá presentar documentación de apoyo a las líneas identificadas como *Excess Nominations* y *Credit Mitigation* contenidas en las pestañas *FUEL REPORTS* del archivo de Excel *QUARTERLY FAC-PPAC RECONCILIATION SEP-OCT-NOV 2022.xlsx*. Dicha documentación debe incluir una certificación sobre la venta de sobrante de gas natural a un tercero y el detalle sobre dicha venta realizada por NFEnergía según solicitado por la Autoridad en su Informe de 15 de noviembre y el Informe 15 de diciembre. Además, debe incluir el detalle y una certificación del crédito atribuible a la Autoridad por el 15% del costo del sobrante de gas, luego de la venta de mitigación.

Respuesta: La Autoridad no cuenta con certificación de la venta del sobrante de gas natural. Esto acorde a la carta, con fecha del 6 de diciembre de 2022, de NFEnergía (NFE). Ver, Anejo A-1 Mediante la carta del 6 de diciembre NFE notificó que *Based on late notice, a very small volume to take to market, and shipping cost, a mitigation sale may not be as beneficial to PREPA as the fifteen (15%) credit of the Fuel Price multiplied by the quantity not sold for the 180,000 MMBtu. NFE will update PREPA as soon as possible as we don't have a contracted sale for that volume currently.*

Por lo cual, la venta de mitigación no se llevó a cabo y se estará otorgando el 15% en cumplimiento con la cláusula 7.5 del contrato.



2. La Autoridad deberá presentar, en detalle, el estatus actual de la reclamación de \$26,838,161.78 presentada a NFEnergía LLC (“NFEnergía”), según indicado en los siguientes documentos: Informe de 15 de agosto, Informe de 15 de septiembre, Informe de 21 de noviembre y el Informe de 15 de diciembre.

**Respuesta** [REDACTED]



3. LUMA en coordinación con la Autoridad de Energía Eléctrica (“Autoridad”) deberá presentar toda reclamación realizada a FEMA o a las aseguradoras relacionadas a los impactos causados por el Huracán Fiona al sistema eléctrico. Deberá incluir toda comunicación responsiva a dichas solicitudes. Deberá indicar en detalle las cantidades atribuibles al consumo de combustible y a la compra de energía.

**Respuesta:** La Autoridad aneja el inventario de daños sometido ante la Agencia Federal para el Manejo de Emergencia (FEMA, por sus siglas en inglés), para reembolso a través de la Cat B mejor conocida como medidas de prevención de emergencia (*emergency protective measures*). Ver, referencia al PRJ report\_686388, el inventario de daños y el resumen de gastos reclamados por causa del huracán Fiona. Anejo A-2. Cabe destacar que en este reporte se encuentran daños para los cuales aún no se ha establecido un precio estimado. La Autoridad continúa suministrando documentación de apoyo para establecer el costo real.



4. Si aún LUMA o la Autoridad no han realizado reclamaciones a FEMA o a las aseguradoras por los impactos causados por el huracán Fiona, deberán entonces presentar su plan para realizar dichas reclamaciones. Además, deberá presentar un estimado por las cantidades que serán reclamadas para la compra de combustible y compra de energía.

**Respuesta:** Según acordado LUMA proveerá la respuesta al requerimiento 4.



5. Refiérase al archivo de Excel - *QUARTERLY FAC-PPAC RECONCILIATION SEP-OCT-NOV 2022.xlsx*, pestaña FUELREP-OCT22-Busqueda, línea 21 identificada como Ecoeléctrica Diesel No. 2-Fiona, y las celdas D21 y E21.

- a. La palabra *Fiona*, en la línea de descripción, ¿se refiere al huracán Fiona?

**Respuesta:** Si, es correcto, Fiona se refiere al huracán Fiona.

- b. ¿Cómo se relaciona con el huracán *Fiona* la cantidad de \$17,786,238 en la celda E21?

**Respuesta:** La cantidad de \$17,786,238 responde a los daños causados por el huracán Fiona el terminal de recibo de gas natural de EcoEléctrica (Force Majeure). Al no poder recibir gas natural, Eco Eléctrica para poder mantener su producción de energía, solicitó a la Autoridad suministro de combustible de resguardo, diésel, según estipulado contractualmente. Se adquirió un volumen de 99,960.31 bbls a con un costo de \$17,786,238.

- c. ¿LUMA o la Autoridad estiman que alguna porción de los \$17,786,238 serán reembolsados por FEMA o las aseguradoras? Si la contestación es en la afirmativa, deberá indicar las cantidades. Si la contestación es en la negativa, favor explicar en detalle las razones.

**Respuesta:** La Autoridad, como sub-recipiente, ha continuado los esfuerzos y los trabajos en conjunto con la FEMA y la Oficina Central de Recuperación, Reconstrucción y Resiliencia (COR3) para así continuar la reclamación y la aprobación de los daños causados por el huracán Fiona.

El 17 de septiembre de 2022 el presidente de los estados unidos realizó una declaración presidencial para Puerto Rico, DR-4671 en respuesta al inminente impacto del huracán Fiona, autorizando asistencia financiera al territorio con motivo de cubrir los daños causados por el huracán.

Entre los esfuerzos de manejo de emergencia realizados por la Autoridad se encuentra la utilización de las maquinas pico como unidades de generación base debido al colapso total de la red eléctrica. La utilización de dichas maquinas fueron necesarias ya que el colapso del sistema, en adición a daños en unidades base y la red de transmisión, provocó que la gerencia utilizara cualquier generación disponible para re establecer la producción y transmisión de energía.

El 20 de octubre del 2022, la Autoridad remitió a FEMA un estimado de costo sobre la



utilización de las maquinas pico que incluye conceptos de combustibles, operación y mantenimiento para el periodo del 17 de septiembre hasta octubre 31, 2022. El total estimado aumentó a \$98,209,590, producto de \$88,491,048 por concepto de combustible y \$9,718,542 por operación y mantenimiento.

Es importante destacar que la Autoridad se encuentra iniciando un análisis sobre la utilización de las maquinas pico y la determinación de dicho uso por causa del huracán. Respectivamente, los costos presentados a FEMA son un estimado inicial para la formulación del proyecto y no será hasta que se determine el uso actual que se podrá reclamar el mismo. Adicionalmente, dado que las políticas del programa de asistencia pública de FEMA exigen que se consideren los adelantos sobre reclamaciones de seguro, se le envió a FEMA un comunicado para que limitara la formulación del proyecto a un total de \$68,518,319 que representa los primeros 30 días a ser considerados como deducibles. Una vez, el departamento de finanzas de la Autoridad culmine con la evaluación de consumo de combustible asociado al huracán, el departamento de manejo de fondos de desastre podrá solicitar el reembolso y enmendar el proyecto para reflejar los costos actuales.

A la fecha de este comunicado el proyecto se encuentra en proceso de aprobación por un total de \$68,518,319.00. Como tal, \$61,737,941 son producto del concepto de combustible, mientras que \$6,780,378.00 corresponden a operación y mantenimiento. Se reitera que dichos números son estimados y serán revaluados para propósitos de reembolso, una vez se mantengan los costos reales de la utilización de las unidades a causa directa del huracán.

Los daños causados por el huracán Fiona en un terminal de Gas Natural Licuado (GNL) crearon un desabasto de inventario considerando que los daños en la estructura del canal impidieron que las barcazas abastecieran el GNL que utiliza la Autoridad. La escasez creó una amenaza inminente para la vida y la propiedad causada por la pérdida de operación tanto de Ecolectrica como de Costa Sur. Por lo tanto, se realizaron reparaciones de emergencia aceleradas a el terminal, las reparaciones se completaron el 13 de octubre de 2022. La Autoridad tomó medidas de emergencia para reponer el inventario mediante la realización de modificaciones a un contrato existente y la entrega acelerada a un costo mayor.

Además, debido a las limitaciones presentadas en el inventario de GNL, EcoEléctrica compró combustible de respaldo según la sección 13.1 del A&RPPOA, según el cual el "vendedor deberá procurar y obtener la entrega del combustible de respaldo necesario para operar la instalación a plena capacidad confiable". Ecoelectrica adquirió un total de 99,960.03 bbl debido a la escasez de inventario de GNL y facturó a la AEE luego del acuerdo establecido que representó un costo total de \$30,613,092 millones



de entre ambos combustibles utilizados.

Es importante destacar que la porción de combustible mantiene conceptos de reducción de seguro que hoy día no se tienen estimados. El departamento de finanzas de la Autoridad se encuentra en la iniciación de dicha evaluación y de alguna cuantía materializarse por parte de las aseguradoras la porción atribuida a combustible, si alguna, se reduciría por la misma cuantía dejando un total de costos estimados menor al reportado. Por tanto, la porción recibida y a recibirse de los rembolsos de la agencia federal se podrán certificar cuando la Autoridad finalice su reclamación al seguro y se materialice la enmienda de revisión de costos reales para los períodos incurridos. Las cantidades reclamadas al seguro y FEMA son estimadas, las cuales se revisan y validan continuamente durante la evaluación de las reclamaciones que realizan estas entidades. Se reitera el que los diferidos de los cargos de la compra de combustible facturado a los consumidores debe realizarse cuando la Autoridad ha recibido el reembolso y estos se encuentran en las cuentas bancarias de la Autoridad ya que esta atraviesa un proceso de quiebra y a experimentado un flujo de liquidez capital precario.



6. Refiérase al archivo de Excel - 20221216 MI20200001 Confidencial Precio Ponderado Análisis\_.xlsx, pestaña *Summary*, celdas k13:k14.

- a. ¿PREPA transfirió físicamente 29,000 barriles de Núm. 6 de Palo Seco a San Juan en noviembre de 2022?

**Respuesta:** La Autoridad transfirió 28,969.31 bbls de Palo Seco a San Juan

- b. ¿Qué cantidad fue transferida?

**Respuesta:** La transferencia fue de 28,969.31 bbls.

- c. ¿Cuál fue el costo incurrido para transportar de dicho combustible desde las unidades de Palo Seca a las unidades de San Juan?

**Respuesta:** No hubo costos asociados a la transportación de este volumen. Se utilizó sistema de tubería y bombas de la Autoridad para esta transferencia.

- d. Identifique la cantidad de combustible transportado.

**Respuesta:** La transferencia fue de 28,969.31 bbls.



7. Refiérase al archivo de Excel - 20221216 MI20200001 Confidencial Precio Ponderado Análisis\_.xlsx, pestaña *Summary*. Existe una diferencia de la planta de Dagua o sobre 400 barriles de combustible No. 2 entre el almacenamiento actual y el informe de inventario J28.

- a. ¿Cuán confiable es la toma de medición en el tanque de almacenamiento en la planta de Dagua o?
- b.

**Respuesta:** Diariamente, un empleado facilita toma la medida del volumen del tanque utilizando cinta y plomada.

- c. ¿Cuánto días representa la quema de 400 barriles?

**Respuesta:** La quema de 400 barriles equivale a 0.32 días de operación.

- d. ¿Esta LUMA o la Autoridad investigando dicha diferencia? Deberá incluir los documentos que sustenten dicha investigación.

**Respuesta:** No se está investigando. Los aproximadamente 400 barriles son un balance positivo.



8. Refiérase al archivo de Excel - 20221216 MI20200001 Confidencial Precio Ponderado Análisis\_.xlsx, pestaña Summary.

- a. Cuál es el método, e.g. almacenamiento actual o informe de inventario J28 utilizado por LUMA y PREPA para medir el costo actual de combustible que se mantuvo en inventario versus el costo del combustible que fue Quemado, para propósito de identificar el costo a recobrarse en FCA?

**Respuesta:** Según acordado LUMA proveerá la respuesta al requerimiento 8.



9. Refiérase a la carta de NFEnergia a la Autoridad, fechada 6 de diciembre de 2022, *re: PREPA's letter dated November 20, 2022 to Request a Mitigation Sale of the Excess Nomination from November 2022; Fuel Sale and Purchase Agreement between NFEnergia LLC and PREPA dated March 5, 2019.*

- a. ¿Se realizo la venta de mitigación descrita en esta carta?

**Respuesta:** Ver respuesta inciso 9 f.

- b. ¿De haberse dado dicha venta de mitigación, cuanto combustible se vendió y a qué precio?
- c. ¿Cuál fue el diferencial de costo entre la venta de mitigación y el precio que pago la Autoridad?
- d. ¿Como compara la diferencia identificada en la pregunta (c) y un crédito de 15% del costo que pago la Autoridad?
- e. ¿A que corresponde el crédito de \$3,554,105 aplicado a noviembre 2022?

**Respuesta:** Ese crédito corresponde al Force Majure Credit según acordado entre las partes. (Ver, Anejo A-3)

- f. ¿Fue atendida la solicitud de venta de mitigación para la nominación en exceso de noviembre de 2022? Si es así, cuantifique el resultado y provea las entradas de contabilidad pertinentes. De no ser así, identifique el estatus del procedimiento de venta de mitigación.

**Respuesta:** La Autoridad no cuenta con certificación de la venta del sobrante de gas natural, porque según NFEnergía, en su carta del 6 de diciembre de 2022, indica que *Based on late notice, a very small volume to take to market, and shipping cost, a mitigation sale may not be as beneficial to PREPA as the fifteen (15%) credit of the Fuel Price multiplied by the quantity not sold for the 180,000 MMBtu. NFE will update PREPA as soon as possible as we don't have a contracted sale for that volume currently.*



10. Unidades 5 y 6 de San Juan. ¿A qué se debe que las unidades 5 y 6 de San Juan estén fuera de servicio y no operen hasta el 8 de enero de 2023? ¿Eso estuvo relacionado con una interrupción forzada o planificada en esas unidades? Si se trata de una interrupción planificada, ¿se extendió la duración de la interrupción planificada? Si se prorrogó, explique por qué.

**Respuesta:** Las Unidades 5 y 6 de Central San Juan están fuera de servicio durante el mes de diciembre por las siguientes razones:

- La Unidad de San Juan 6 (SJ6) – salió de servicio de forma coordinada el 2 de diciembre de 2022 a las 0134. Según Informe Diario sobre Disponibilidad del Centro de Control Energético (CCE) LUMA, la unidad debe entregarse disponible el 30 de diciembre de 2022.
  - Razones para la salida
    - Inspección combustores turbina de combustión según horas de operación por compañía Mitsubishi Power System (MPS) de acuerdo a contrato de servicio a largo plazo LTSA entre MPS y PREPA. (Razón principal)
    - Trabajos en drain manifold sistema de combustible combustores turbina de combustión por MPS
    - Reemplazo torre agua de enfriamiento por compañía Enersys Engineering Services
    - Upgrade sistema de control distribuido (DCS) Emerson/Ovation por compañía Antares/Emerson
    - Reparación válvulas de control turbina de vapor por compañía MD&A y PREPA
    - Upgrade sistemas de control reguladores de voltaje de excitación (AVR) generadores turbina de vapor y turbina de combustión por compañía MPS/MD&A
    - Reemplazo codos de salida agua de mar condensador (Ambas Unidades tienen que estar fuera de servicio para este trabajo)
- La Unidad de San Juan 5 (SJ5) – salió de servicio de forma coordinada el 7 de diciembre a las 0139. Según Informe Diario sobre Disponibilidad del Centro de Control Energético (CCE) LUMA, la unidad debe entregarse disponible el 21 de diciembre de 2022. (Fecha actual para entregar viernes, 23 de diciembre)
  - Razones para la salida
    - Reemplazo codos de salida agua de mar condensador (Razón principal) (Ambas Unidades tienen que estar fuera de servicio para este trabajo)
    - Upgrade sistema de control distribuido (DCS) Emerson/Ovation por compañía Antares/Emerson



11. Crédito de Naturgy. Consulte Anejo B de la Moción de 15 de diciembre.

a. Se indica un monto de \$13,272,518. ¿Se aplicó un crédito de Naturgy de \$13,272,518 en noviembre de 2022 por provisión de penalización, es decir, falta de gas entregado a Costa Sur durante el tercer trimestre, es decir, de julio a septiembre de 2022? Si no, explique la procedencia de esa cantidad de \$13,272,518.

**Respuesta:** Si, la premisa de la pregunta es correcta, el crédito de \$13,272,518 corresponde a la falta de suplido de gas natural del Naturgy Aprovisionamientos S.A.

b. ¿Qué cantidad de déficit de MMBtu para el gas que no se entregó por debajo de la especificación se relaciona con los \$13,272,518, y qué precio se aplicó a esa cantidad de déficit de MMBtu para obtener los \$13,272,518?

**Respuesta:** La cantidad de MMBtu en déficit fue 4,851,067, y el precio que se aplicó fue de \$2.74/MMBtu.

c. Confirme que los \$13,272,518 reflejados por LUMA para efectos de calcular los costos de combustible de la Autoridad para los nuevos factores de FCA y PPCA que entrarán en vigor el 1 de enero de 2023 como una cantidad negativa en el archivo – “\Temp1\_Luma CONFIDENTIAL for 2023-01-01 factors.zip\[QUARTERLY FAC-PPAC RECONCILIATION SEP-OCT-NOV2022.xlsx]FUELREP-NOV22-Busqueda” en la celda E27, que se trasladó a la celda F29 de la pestaña “Reconciliation Grand Summary”.

**Respuesta:** Según acordado LUMA proveerá la respuesta al requerimiento 11c.



12. ¿Puede la Autoridad almacenar Gas Natural Liquido (GNL) en algún lugar en la isla? Describa en detalle la habilidad y capacidad de la Autoridad para almacenar LNG. En otras palabras, ¿cuáles son las cantidades máximas de LNG que la Autoridad puede almacenar en qué lugar?

**Respuesta:** No, la Autoridad no tiene capacidad para almacenar gas.



13. ¿La reducción de capacidad de la planta de AES utilizando carbón como su fuente de combustible durante el periodo de 1 de mayo de 2022 hasta el 31 de diciembre de 2022 fue a causa de insuficiencia de inventario en las instalaciones de AES?

**Respuesta:** Según acordado LUMA proveerá la respuesta al requerimiento 13.



14. ¿Para el primer trimestre de 2023, a instalación de generación a carbón de AES con la que la Autoridad tiene un contrato de compra de energía se reducirá debido a que tiene un inventario de carbón inadecuado en el sitio de la planta? De ser así, identifique esos periodos y explique la reducción de calificación relacionada.

**Respuesta:** Según acordado LUMA proveerá la respuesta al requerimiento 14.



15. Si alguna de las respuestas a las preguntas 5 o 6 fue “sí”, explique el impacto en el costo de energía de reemplazo de la Autoridad debido a que la instalación generadora a carbón de AES se redujo debido a que no tenía inventario adecuado de carbón en la planta.

**Respuesta:** Según el mejor conocimiento de la Autoridad, No hay información alguna que indique una baja producción de AES sea por falta de combustible (carbón).



**Anejo A-1**

[*Presentado Sellado*]



## **Anejo A-2**



# Department of Homeland Security Federal Emergency Management Agency

## General Info

<b>Project #</b>	686388	<b>P/W #</b>	44	<b>Project Type</b>	Standard
<b>Project Category</b>	B - Emergency Protective Measures	<b>Applicant</b>	PR Electric Power Authority (000-UA2QU-00)		
<b>Project Title</b>	Peaking Units - Fiona	<b>Event</b>	4671DR-PR (4671DR)		
<b>Project Size</b>	Large	<b>Declaration Date</b>	9/21/2022		
<b>Activity Completion Date</b>	3/21/2023	<b>Incident Start Date</b>	9/17/2022		
<b>Process Step</b>	Pending DIU EMMIE Final Record Upload	<b>Incident End Date</b>	9/21/2022		

## Damage Description and Dimensions

**The Disaster # 4671DR, which occurred between 09/17/2022 and 09/21/2022, caused:**

### **Damage # 1253019; Emergency Protective Measures (Damage for Project [686388] Peaking Units - Fiona)**

During the incident period of 9/17/2022 through 9/21/2022, Hurricane Fiona created an immediate threat to the health and safety of the general public requiring emergency response and protective measures.

- Provided Emergency Protective Measures for electrical power (Peaking Units) to power the Puerto Rico electrical system in the power plants at Aguirre, Cambalache, Mayaguez, Daguao, Vega Baja, Yabucoa, Palo Seco, and Jobos from 9/17/2022 to 10/31/2022.

## Final Scope

### 1253019 Damage for Project [686388] Peaking Units - Fiona

#### Work Completed

The applicant utilized force account equipment for the Emergency Protective Measures caused by damages received by the incident.

Cost share for this version is 100%. All work and costs in this project fall between 9/17/2022 and 9/30/2022.

- A. Provided Electric Power for Power System of Puerto Rico at Aguirre Power Plant.
- B. Provided Electric Power for Power System of Puerto Rico at Cambalache Power Plant.
- C. Provided Electric Power for Power System of Puerto Rico at Mayaguez Power Plant.
- D. Provided Electric Power for Power System of Puerto Rico at Daguao Power Plant.
- E. Provided Electric Power for Power System of Puerto Rico at Vega Baja Power Plant.

- F. Provided Electric Power for Power System of Puerto Rico at Yabucoa Power Plant.
- G. Provided Electric Power for Power System of Puerto Rico at Palo Seco and Palo Seco MP Power Plant.
- H. Provided Electric Power for Power System of Puerto Rico at Jobos Power Plant.

**Work Completed Totals:**

- A. Equipment \$9,603,018.00
- B. Equipment \$6,552,835.00
- C. Equipment \$5,255,993.00
- D. Equipment \$1,071,539.00
- E. Equipment \$0.00
- F. Equipment \$207,527.00
- G. Equipment \$6,420,839.00
- H. Equipment \$579,521.00

**Work Completed Total: \$29,691,271.00**

**Work To Be Completed**

The applicant will utilize force account labor, equipment, materials, and contracts or mutual aid for the Emergency Protective Measures caused by damages received by the incident.

Cost share for this version is 100%. All work and costs in this project fall between 10/01/2022 and 10/31/2022.

- A. Provide Electric Power for Power System of Puerto Rico at Aguirre Power Plant.
- B. Provide Electric Power for Power System of Puerto Rico at Cambalache Power Plant.
- C. Provide Electric Power for Power System of Puerto Rico at Mayaguez Power Plant.
- D. Provide Electric Power for Power System of Puerto Rico at Dagua Power Plant.
- E. Provide Electric Power for Power System of Puerto Rico at Vega Baja Power Plant.
- F. Provide Electric Power for Power System of Puerto Rico at Yabucoa Power Plant.
- G. Provide Electric Power for Power System of Puerto Rico at Palo Seco and Palo Seco MP Power Plant.
- H. Provide Electric Power for Power System of Puerto Rico at Jobos Power Plant.

**Work to be Completed Totals:**

- A. Equipment \$22,160,810.76
- B. Equipment \$15,121,926.32
- C. Equipment \$12,129,213.71
- D. Equipment \$2,472,781.22
- E. Equipment \$0.00
- F. Equipment \$478,909.59

G. Equipment \$14,817,321.37

H. Equipment \$1,337,355.75

I. Equipment \$1,337,355.75

**Work to Be Completed Total: \$68,518,319.00**

**Total Damage Inventory: 98,209,590.00**

**Project Notes:**

1. All costs associated with this project have been validated using applicant provided historical data. See attachment labeled: ST686388-DR4671PR-Cost Summary.xls
2. GPS coordinates for Locations Aguirre, GPS: [REDACTED]; Cambalache, GPS: [REDACTED]; Mayaguez, GPS: [REDACTED]; Daguao, GPS: [REDACTED]; Vega Baja, GPS: [REDACTED]; Yabucoa, GPS: [REDACTED]; Palo Seco, GPS: [REDACTED]; Jobos, GPS: [REDACTED].
3. Cost adjusted from SPA due to mathematical error in totals provided by the applicant, see document: 686388-DR4671PR-Force Account Equipment.xls

## Cost

Code	Quantity	Unit	Total Cost	Section
9008 (Equipment)	1.00	Lump Sum	\$29,691,271.00	Completed
9008 (Equipment)	1.00	Lump Sum	\$68,518,319.00	Uncompleted

CRC Gross Cost \$98,209,590.00

Total Insurance Reductions (\$29,691,271.00)

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CRC Net Cost \$68,518,319.00

Federal Share (100.00%) \$68,518,319.00

Non-Federal Share (0.00%) \$0.00

## Award Information

### Version Information

Version #	Eligibility Status	Current Location	Bundle Number	Project Amount	Cost Share	Federal Share Obligated	Date Obligated
0	Pending	In Review		\$0.00	90 %	\$0.00	

### Drawdown History

EMMIE Drawdown Status As of Date	IFMIS Obligation #	Expenditure Number	Expended Date	Expended Amount
No Records				

### Obligation History

Version #	Date Obligated	Obligated Cost	Cost Share	IFMIS Status	IFMIS Obligation #

## **Subgrant Conditions**

- As described in Title 2 Code of Federal Regulations (C.F.R.) § 200.333, financial records, supporting documents, statistical records and all other non-Federal entity records pertinent to a Federal award must be retained for a period of three (3) years from the date of submission of the final expenditure report or, for Federal awards that are renewed quarterly or annually, from the date of the submission of the quarterly or annual financial report, respectively, as reported to the Federal awarding agency or pass-through entity in the case of a subrecipient. Federal awarding agencies and pass-through entities must not impose any other record retention requirements upon non-Federal entities. Exceptions are stated in 2 C.F.R. §200.333(a) – (f)(1) and (2). All records relative to this project are subject to examination and audit by the State, FEMA and the Comptroller General of the United States and must reflect work related to disaster-specific costs.
- In the seeking of proposals and letting of contracts for eligible work, the Applicant/Subrecipient must comply with its Local, State (provided that the procurements conform to applicable Federal law) and Federal procurement laws, regulations, and procedures as required by FEMA Policy 2 CFR Part 200, Procurement Standards, §§ 317-326.
- The Recipient must submit its certification of the subrecipient's completion of this project, the final claim for payment, and supporting documentation within 180 days from the date that the applicant completes the scope of work, or the project deadline, whichever occurs first. FEMA reimburses Large Projects (those with costs above the large project threshold) based on the actual eligible final project costs. Therefore, during the final project reconciliation (closeout), the project may be amended to reflect the reconciliation of actual eligible costs.
- When any individual item of equipment purchased with PA funding is no longer needed, or a residual inventory of unused supplies exceeding \$5,000 remains, the subrecipient must follow the disposition requirements in Title 2 Code of Federal Regulations (C.F.R.) § 200.313-314.
- The terms of the FEMA-State Agreement are incorporated by reference into this project under the Public Assistance award and the applicant must comply with all applicable laws, regulations, policy, and guidance. This includes, among others, the Robert T. Stafford Disaster Relief and Emergency Assistance Act; Title 44 of the Code of Federal Regulations; FEMA Policy No. 104-009-2, Public Assistance Program and Policy Guide; and other applicable FEMA policy and guidance.
- The DHS Standard Terms and Conditions in effect as of the declaration date of this emergency declarations or major disaster, as applicable, are incorporated by reference into this project under the Public Assistance grant, which flow down from the Recipient to subrecipients unless a particular term or condition indicates otherwise.
- The Uniform Administrative Requirements, Cost Principles, and Audit Requirements set forth at Title 2 Code of Federal Regulations (C.F.R.) Part 200 apply to this project award under the Public Assistance grant, which flow down from the Recipient to all subrecipients unless a particular section of 2 C.F.R. Part 200, the FEMA-State Agreement, or the terms and conditions of this project award indicate otherwise. See 2 C.F.R. §§ 200.101 and 110.
- The subrecipient must submit a written request through the Recipient to FEMA before it makes a change to the approved scope of work in this project. If the subrecipient commences work associated with a change before FEMA approves the change, it will jeopardize financial assistance for this project. See FEMA Policy No. 104-009-2, Public Assistance Program and Policy Guide.
- Pursuant to section 312 of the Stafford Act, 42 U.S.C. 5155, FEMA is prohibited from providing financial assistance to any entity that receives assistance from another program, insurance, or any other source for the same work. The subrecipient agrees to repay all duplicated assistance to FEMA if they receive assistance for the same work from another Federal agency, insurance, or any other source. If a subrecipient receives funding from another federal program for the same purpose, it must notify FEMA through the Recipient and return any duplicated funding.

## **Insurance**

### **Additional Information**

12/6/2022

## **GENERAL INFORMATION**

Event: 4671DR-PR

Project: ST 686388

Category of Work: Cat B - Emergency Protective Measures

Applicant: PR Electric Power Authority

Event Type: Hurricane / Hurricane Fiona

Cause of Loss: Wind / Wind Driven Rain

Incident Period: 9/17/2022 to 9/21/2022

Total Public Assistance Amount: CRC Gross Cost \$98,209,590.00

## **COMMERCIAL INSURANCE INFORMATION**

Does the Applicant have a Commercial Policy: Yes

Policy Issued by: Mapfre-Praico Insurance Company and other Insurance Companies

Policy Number: RA-21-336-1

Policy Period: From: 5/1/2022 To: 5/1/2023

Policy Limits: \$300,000,000.00 combined single limit property damage and business interruption each and every occurrence which in turn excess of policy deductibles each and every occurrence.

Deductible Amount: \$25,000,000.00 each and every occurrence property damage and 30 days each and every occurrence business interruption in respect of Named Windstorm.

Does the Applicant's Commercial Policy extend coverage for the damage described in this project: Yes

Final Insurance Settlement Status: Insurance proceeds for this project are anticipated

The amount of the deductible being funded in this project is \$68,518,319.00

The amount of Anticipated Insurance Reduction applied for Project: \$29,691,271.00

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## **NUMBER OF DAMAGED INVENTORIES INCLUDED IN THIS PROJECT: (1)**

### **Damaged Inventory (DI) #1253019:**

#### **Emergency Protective Measures (Damage for Project [686388] Peaking Units - Fiona)**

Number of damaged locations included in this DI: (8)

Locations Description: Peaking Generators in Aguirre Power Plant, Cambalache Power Plant, Mayaguez Power Plant, Dagupao Power Plant, Vega Baja Power Plant, Yabucoa Power Plant, Palo Seco Power Plant and Jobos Power Plant.

GPS Coordinates:

Location 1. Aguirre, 8 units (50 MW each) Capacity: 400Mw

Lat. [REDACTED] Long [REDACTED]

Location 2. Cambalache, 1-unit (82.5 MW each) Capacity: 82.5Mw

Lat. [REDACTED] Long [REDACTED]

Location 3. Mayaguez, 2 units (55 MW each) Capacity: 110Mw

Lat. [REDACTED] Long [REDACTED]

Location 4. Daguaao, 2 units (21 MW each) Capacity: 42Mw

Lat. [REDACTED] Long [REDACTED]

Location 5. Vega Baja, 2 units (21 MW each) Capacity: 42Mw

Lat. [REDACTED] Long. [REDACTED]

Location 6. Yabucoa, 2 units (21 MW each) Capacity 42Mw

Lat. [REDACTED] Long. [REDACTED]

Location 7. Palo Seco, 9 units (21 or 27 MW each) Capacity: 207Mw

Lat. [REDACTED] Long. [REDACTED]

Location 8. Jobos, 2 Units (21 MW each) Capacity: 42Mw

Lat. [REDACTED] Long. [REDACTED]

Cause of Loss: Wind / Wind Driven Rain

Damage Inventory Amount: CRC Gross Cost \$98,209,590.00

-

Prior Obtain and Maintain Requirement:

Prior O&M compliance does not apply to emergency work funding (Section 403)

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Reduction(s):

A reduction is being made for anticipated insurance proceeds in the amount of \$29,691,271.00 (CRC Gross Cost \$98,209,590.00 – Extra Expense Calculated Deductible \$68,518,319.00). Please see, "77033-DR4671PR-Insurance Allocation" file.

On December 6, 2022, COR3 transmitted the PREPA letter dated December 2, 2022 confirming that PREPA holds an insurance policy with a limit of \$300 Million to cover damages caused by Hurricane Fiona, FEMA-4671-DR-PR. PREPA letter stated that preliminary extra expenses costs incurred until October 2022 for the use of peaking units are estimated to be \$98,209,590.00. However, the time element deductible associated with the extra expense coverage has a 30-day waiting period. As per the applicant's letter the cost incurred during the 30-day deductible amounts to a total of \$68,518,319.00.

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**Obtain and Maintain Requirement:**

No insurance requirements are mandated for the work described in this project. Insurance requirements are specific to permanent work to replace, restore, repair, reconstruct, or construct buildings, contents, equipment, and vehicles (FEMA Recovery Policy FP 206-086-1).

**Insurance Proceeds Statement:**

FEMA acknowledges that the Applicant is in negotiations with their insurance carrier at the time of the FEMA insurance review and might have received partial settlements. In accordance with 44 CFR §206.250-253, in the absence of an actual settlement, anticipated insurance recoveries will be deducted from this project based on Applicant's insurance policy limits. FEMA subsequently adjusts the eligible costs based on the actual amount of insurance proceeds the Applicant receives after a final settlement.

FEMA's Recovery Policy FP 206-086-1, Public Assistance Policy on Insurance (June 29, 2015), requires applicants to take reasonable efforts to recover insurance proceeds that it is entitled to receive from its insurers. FEMA will consider final insurance settlements that may be less than the insurance policy limits when an applicant demonstrates that it has taken reasonable efforts to recover insurance proceeds that it is entitled on a case-by-case basis.

**Standard Insurance Comments**

**FEMA Policy 206-086-1**

**PART 2: Other Insurance-Related Provisions. (Sections 312 and 406(d) of the Stafford Act)**

A. **Duplication of Benefits.** FEMA cannot provide assistance for disaster-related losses that duplicate benefits available to an applicant from another source, including insurance.

1. Before FEMA approves assistance for a property, an applicant must provide FEMA with information about any actual or anticipated insurance settlement or recovery it is entitled to for that property.
2. FEMA will reduce assistance to an applicant by the amount of its actual or anticipated insurance proceeds.
3. Applicants must take reasonable efforts to recover insurance proceeds that they are entitled to receive from their insurer(s).

**Jean-Carlo Echevarria, PA Insurance Specialist**

**CRC Atlantic, Guaynabo, PR**

**O&M Requirements**

There are no Obtain and Maintain Requirements on **Peaking Units - Fiona**.

**Environmental Historical Preservation**

Is this project compliant with EHP laws, regulations, and executive orders?

**Yes**

**EHP Conditions**

- Any change to the approved scope of work will require re-evaluation for compliance with NEPA and other Laws and Executive Orders.
- This review does not address all federal, state and local requirements. Acceptance of federal funding requires recipient to comply with all federal, state and local laws. Failure to obtain all appropriate federal, state and local environmental permits and clearances may jeopardize funding.
- If ground disturbing activities occur during construction, applicant will monitor ground disturbance and if any potential archaeological resources are discovered, will immediately cease construction in that area and notify the State and FEMA.

## EHP Additional Info

There is no additional environmental historical preservation on **Peaking Units - Fiona**.

## Final Reviews

### Final Review

**Reviewed By** JIMENEZ VELEZ, ALEJANDRO R.

**Reviewed On** 12/09/2022 3:51 PM AST

#### Review Comments

*No comments available for the Final Review step*

### Recipient Review

**Reviewed By** Salgado, Gabriel

**Reviewed On** 12/09/2022 5:27 PM AST

#### Review Comments

Recipient review completed. Project is ready for applicant review.

## Project Signatures

**Signed By** Nieves, Ezequiel

**Signed On** 12/09/2022

# Department of Homeland Security Federal Emergency Management Agency

## General Info

<b>Project #</b>	686436	<b>P/W #</b>	Standard
<b>Project Category</b>	B - Emergency Protective Measures	<b>Applicant</b>	PR Electric Power Authority (000-UA2QU-00)
<b>Project Title</b>	Emergency Inventory Supply - LNG	<b>Event</b>	4671DR-PR (4671DR)
<b>Project Size</b>	Large	<b>Declaration Date</b>	9/21/2022
<b>Activity Completion Date</b>	3/21/2023	<b>Incident Start Date</b>	9/17/2022
<b>Process Step</b>	Pending CRC Project Development	<b>Incident End Date</b>	9/21/2022

## Damage Description and Dimensions

**The Disaster # 4671DR, which occurred between 09/17/2022 and 09/21/2022, caused:**

### **Damage # 1253123; Emergency Protective Measures (Damage for Project [686436] Emergency Inventory Supply - LNG)**

During the incident period of 9/17/2022 through 9/21/2022, Hurricane Fiona created an immediate threat to the health and safety of the general public requiring emergency response and protective measures.

- Provided Emergency Protective Measures for DR-4671-PR which created an immediate threat to the health and safety of the general public requiring emergency response and protective measures at Jurisdiction Wide from 10/17/2022 to 12/31/2022.

## Final Scope

### **1253123 Damage for Project [686436] Emergency Inventory Supply - LNG**

Cost share for this version is 100%. All work and costs in this project version fall between 10/17/2022 and 12/31/2022.

## Work Completed

In response to the DR-4671 Hurricane Fiona, the applicant utilized contracts in taking the Emergency Protective Measures.

### **PR Electric Power Authority (PREPA)**

## Contract

A. Provided contract expenses for fuel due to damages caused by Hurricane Fiona to PREPA's Liquified Natural Gas Terminals, the Applicant contracted to buy NA 1993 Diesel Fuel 3.PGIII ICT Ultra Low Sulfur Diesel to replenish them.

1. Natural gas Sale - Contract -	\$30,613,091.72
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**Work Completed Totals**

1. Contracts:	\$30,613,091.72
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<b>Work Completed Total:</b>	<b>\$30,613,091.72</b>
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<b>Total Damage Inventory:</b>	<b>\$30,613,091.72</b>
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**Project Notes:**

1. All site estimates for work completed were generated using invoices and Applicant contract summaries. See attachment labeled Emergency Fuel Supply - Fiona Cost Summary.xlsx
2. All costs associated with this project have been validated, see attachment labeled: 686436\_4671DR-PR\_Cost\_Summary\_V0.xlsx
3. All procurement documents attached have been reviewed. See attachment: Ley Organica - Compra de Combustible.pdf; 2012-P00107-F Naturgy Aprovisionamientos, S.A..pdf
4. Address(es) and GPS coordinates: #1110 Ponce de Leon Avenue, San Juan, Puerto Rico 00936-0000; 18.398765, -66.052558; Jurisdiction Wide.
5. Difference between original SPA claim and processed claim cost is outlined in the "TOTALS" tab of the following document: [686436\\_4671DR-PR\\_Cost\\_Summary\\_V0.xlsx](#)

## Cost

Code	Quantity	Unit	Total Cost	Section
9001 (Contract)	1.00	Lump Sum	\$30,613,091.72	Completed

CRC Gross Cost \$30,613,091.72

Total Insurance Reductions \$0.00

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CRC Net Cost \$30,613,091.72

Federal Share (100.00%) \$30,613,091.72

Non-Federal Share (0.00%) \$0.00

## Award Information

### Version Information

Version #	Eligibility Status	Current Location	Bundle Number	Project Amount	Cost Share	Federal Share Obligated	Date Obligated
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### Drawdown History

EMMIE Drawdown Status As of Date	IFMIS Obligation #	Expenditure Number	Expended Date	Expended Amount
No Records				

### Obligation History

Version #	Date Obligated	Obligated Cost	Cost Share	IFMIS Status	IFMIS Obligation #
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## Subgrant Conditions

*This Project does not have any Subgrant Conditions*

## Insurance

### Additional Information

There is no additional insurance information on **Emergency Inventory Supply - LNG**.

### O&M Requirements

There are no Obtain and Maintain Requirements on **Emergency Inventory Supply - LNG**.

## Environmental Historical Preservation

Is this project compliant with EHP laws, regulations, and executive orders?

(Unanswered)

### EHP Conditions

### EHP Additional Info

There is no additional environmental historical preservation on **Emergency Inventory Supply - LNG**.

## Final Reviews

### Final Review

**Reviewed By** Not Reviewed

**Reviewed On** Not Reviewed

#### Review Comments

*No comments available for the Final Review step*

### Recipient Review

**Reviewed By** Not Reviewed

**Reviewed On** Not Reviewed

#### Review Comments

*No comments available for the Recipient Review step*

## Project Signatures

**Signed By** Unsigned

**Signed On** Unsigned

**Department of Homeland Security  
Federal Emergency Management Agency**

**General Info**

<b>Applicant Name</b>	PR Electric Power Authority	<b>Incident Name</b>	Hurricane Fiona
<b>Applicant FIPS</b>	000-UA2QU-00	<b>Incident Start Date</b>	9/17/2022
<b>Event Name</b>	4671DR-PR	<b>Incident End Date</b>	9/21/2022
<b>Event Job #</b>	4671DR	<b>Declaration Date</b>	--

**Contacts**

**Applicant / Recipient Contacts**

<b>Name</b>	Zapata, Mary	<b>Primary POC</b>
<b>Title</b>	Deputy Executive Director of Operations	
<b>Phone</b>	Not Provided	
<b>Email</b>	mary.zapata@prepa.com	
<b>Name</b>	Nieves, Ezequiel	<b>Alternate POC</b>
<b>Title</b>	DFMO Primary POC	
<b>Phone</b>	(787) 426-1235	
<b>Email</b>	ezequiel.nieves@prepa.com	
<b>Name</b>	Cintron, Jesus	<b>Recipient POC</b>
<b>Title</b>	Energy Sector Lead	
<b>Phone</b>	(787) 314-0242	
<b>Email</b>	jcintron@cor3.pr.gov	
<b>Name</b>	Salgado, Gabriel	<b>Alternate Recipient POC</b>
<b>Title</b>	Energy Project Manager	
<b>Phone</b>	(787) 402-9177	
<b>Email</b>	gsalgado@cor3.pr.gov	

**FEMA Contacts**

<b>Name</b>	Diaz Munoz, Orlando	<b>Primary PDMG</b>
<b>Phone</b>	(202) 717-7146	
<b>Email</b>	ORLANDO.DIAZMUNOZ@FEMA.DHS.GOV	
<b>Name</b>	Rodriguez Soto, Rodolfo	<b>PDMG</b>
<b>Phone</b>	(202) 486-2032	
<b>Email</b>	RODOLFO.RODRIGUEZSOTO@FEMA.DHS.GOV	



## Damage Inventory

Damage #	Category	Name	Description	Project	Address 1	Address 2	City	State	Zip	Lat	Long	Primary Cause of Damage	Approx. Cost	% Work Complete	Labor type	Has Prior PA Grant?	Applicant Priority
1248721	B	Damage for Project [685599] Forcee Account Labor and Equipment	In compliance with the executive orders, and to adequately ensure the reliability of Puerto Rico's generation system, the Puerto Rico Electric Power Authority ("PREPA") mobilized all available resources and established protocols to ensure the dependable production of energy to maintain critical businesses, government, and health services and for the citizens of Puerto Rico. As a result, and to adequately manage the effects of the Hurricane, PREPA sustained a series of incremental costs including labor hours within critical divisions to maintain necessary personnel and designating specific workers to directly respond and manage the emergency. The highly specialized skillset of the employees from PREPA's Generation Division required PREPA to establish 24/7 rotation protocol within its generation plants and other work areas in order to ensure these essential personnel would be available to	[685599] Forcee Account Labor and Equipment								Flood	\$7,022,967.52	50	Force Account	No	High

Damage #	Category	Name	Description	Project	Address 1	Address 2	City	State	Zip	Lat	Long	Primary Cause of Damage	Approx. Cost	% Work Complete	Labor type	Has Prior PA Grant?	Applicant Priority
			loss within the available units will create load shed events and even trigger power outages. These protocols allowed PREPA to ensure the functionality, continuity, and reliability of the power supply to facilities that provide critical services to both the public and private sectors, including other utilities like water, as well as safety, emergency, and medical services which are all dependent on a reliable electrical system. Furthermore, the Dams and irrigation channel division is actively removing debris and performing emergency measure procedures to clear access to channels that provide waterways to water pumps.														

Damage #	Category	Name	Description	Project	Address 1	Address 2	City	State	Zip	Lat	Long	Primary Cause of Damage	Approx. Cost	% Work Complete	Labor type	Has Prior PA Grant?	Applicant Priority
1253019	B	Damage for Project [686388] Peaking Units - Fiona	Due to damages generated by the event in various generation units, PREPA lost generation capacity and drove reserve levels to critical status causing severe load shed events and leaving Puerto Rico with power. This affects not only all citizens of Puerto Rico but also critical facilities, specifically Water utilities, hospitals, and elderly care, among others. Thus PREPA was forced to utilized peaking units to increase energy production levels to meet demands and reduce the imminent threat of power blackouts. The use of these units is not for base load production and thus cost to run the units is significantly greater than those for base load production.	[686388] Peaking Units - Fiona								Flood	\$98,209,590.00	50	Force Account	No	High

Damage #	Category	Name	Description	Project	Address 1	Address 2	City	State	Zip	Lat	Long	Primary Cause of Damage	Approx. Cost	% Work Complete	Labor type	Has Prior PA Grant?	Applicant Priority
1253123	B	Damage for Project [686436] Emergency Inventory Supply - LNG	Damages caused by Hurricane Fiona in an LNG terminal created an inventory shortage considering that damages to the structure channel prevented barges to supply and refuel LNG used by PREPA. Shortage created an imminent threat to life and property caused by the loss of operation of both Ecolectrica and Costa Sur. Tanking into account the critical energy reserve levels PREPA is currently operating, the loss of MWs from both plants, caused by the loss of inventory/fuel, will cause massive load sheds and black-outs all over the island including critical facilities like water pumping stations, hospitals, elderly care facilities, among others. Therefore, expedited emergency repairs were performed to the terminal and were completed October 13, 2022. PREPA took upon emergency measures to replenish inventory by performing amendments to an existing contract and expedite delivery at an increase cost.	[686436] Emergency Inventory Supply - LNG								Flood	\$30,613,092.00	50	Contract	No	High
1255749	B	Damage for Project	Unit 5- Boiler Feed Water Pump	[687247] Central San								Flood	\$6,638,252.00	0	Contract	No	High

Damage #	Category	[687247] Central San Juan Emergency Repairs	Description	Juan Emergency Repairs Project	Address 1	Address 2	City	State	Zip	Lat	Long	Primary Cause of Damage	Approx. Cost	% Work Complete	Labor type	Has Prior PA Grant?	Applicant Priority
			Generation Unit tripped during the shutdown and the power to pumps was lost. Hidden damages can be encountered during reparation. Unit 5- Damage to Bearing Steam Turbine Rotor Generation Unit tripped during the shutdown causing damages to Steam Turbine Rotor bearings. Open and Close inspection needed for repairs. Hidden damages can be encountered during reparation. Unit 5- Battery Backup Modules Steam Turbine Damage to battery backup equipment and its electrical components. Water and humidity intrusion due to wind driven rain and heavy rainfall SJ 9 Fuel Tank- Flood Secondary Containment Area Normal Service Station Transformer 8 Damage to transformer. Damages to Bus Duct, Coils, etc. Water and humidity intrusion due to wind driven rain and heavy rainfall Battery Backup Units 7 and 8 Damage to battery backup equipment and its electrical components. Water and humidity intrusion due to wind driven rain and heavy rainfall Generator Rotor Unit 7 Humidity on Generator Rotor required														

Damage #	Category	Name	Description	Project	Address 1	Address 2	City	State	Zip	Lat	Long	Primary Cause of Damage	Approx. Cost	% Work Complete	Labor type	Has Prior PA Grant?	Applicant Priority
			disconnection and application of heat to increase Magnehelic Readings Clean-up to Fuel tank water intrusion and treatment for disposal. Roof sealing of Battery Bank and UPS chargers Room, units 5-6 Due to the heavy rains there were leaks through the roof into the room.														
1255751	B	Damage for Project [687249] Central Aguirre Emergency Repairs	Aguirre Unit 2- Damage on Boiler Feed Water Pump: Generation Unit tripped during the shutdown and the power to pumps was lost. This caused the Water Pump to run without lubrication in the bearings during the deacceleration process, causing internal damages to bearings, shaft, impellers and coupling Air Preheaters- contamination: chemical cleaning with soda ash Aguirre Unit 2- Battery Banks: Water intrusion Master Control (MCC) for Condenser Circulating Water Pumps and Travelling screens: Equipment suffered major damages, Fell due HPDE Water Retention and Final Effluent Tank Liners: Material ripped Fuel Tank Farm Liners: Over 4 feet of water retained on site. Impermeability of the soil affected. Tests to be performed to	[687249] Central Aguirre Emergency Repairs								Flood	\$8,604,078.00	0	Contract	Yes	High

Damage #	Category	Name	Description	Project	Address 1	Address 2	City	State	Zip	Lat	Long	Primary Cause of Damage	Approx. Cost	% Work Complete	Labor type	Has Prior PA Grant?	Applicant Priority
			comply with regulations Boiler Drywell material storage facility. Damage structure, Area flooded. Material needs removed Condenser Water Discharge channel: Soil and debris brought into the channel concrete structure Discharge Channel Water Pumps Structure: Roof panels damaged and/or flown away- Motors to be tested for water intrusion damages. Damages to the control and mechanical systems of a Emergency Generator 600 kW; 480V Turbine and Auxiliaries Shop roof: Damage to the roof winds leaving area exposed to rain Motor boat Storage roof: Suffered damage Light Oil Pump Station roof: Suffered damage South Sludge Drying Pond: Aircraft warning lights of the chimneys. System failed on all four chimneys Skimmers: Accumulation of soil, leaves and sludge that limit the capacity of the skimmers Stormwater System: Accumulation of soil leaves and sludge Combined Cycle Units 1-2, 1-4, 2-3, 2-4, Steam-1 Damages to HMI (Human Machine Interphase - 8 Units), Damage to Normal Service Transformer(500KV).														

Damage #	Category	Name	Description	Project	Address 1	Address 2	City	State	Zip	Lat	Long	Primary Cause of Damage	Approx. Cost	% Work Complete	Labor type	Has Prior PA Grant?	Applicant Priority
			Water and humidity intrusion on all Units Generators 5-1000 kV, MCC of Auxiliary Equipments. Rental of emergency generator for blowers needed to apply warm air to equipment which showed low														
1255752	B	Damage for Project [687250] Central Costa Sur Emergency Repairs	Insulation readings. Raw Water Tank 1 Damages to the Roof Built Up and Reflected Ceiling. Tank structure collapsed due to high force winds Control & Machine Room- Repairs Damages to Control Room built Up roof and reflected Ceiling due to water intrusion. Damage to equipment and its electrical components. Water and humidity intrusion due to heavy rainfall. Breaker Room- Rolling Door damage. Ups - Waste treatment plant Damages to UPS Room Reflected Ceiling due to water intrusion. Damage to equipment and its electrical components. Water and humidity intrusion due to heavy rainfall Unit 5- Induced draft Fan 5-2 Motor Damages due to water intrusion. Damage to equipment and its electrical components. Water and humidity intrusion due to heavy rainfall. Roof	[687250] Central Costa Sur Emergency Repairs								Flood	\$2,016,330.00	0	Contract	No	High

Damage #	Category	Name	Description	Project	Address 1	Address 2	City	State	Zip	Lat	Long	Primary Cause of Damage	Approx. Cost	% Work Complete	Labor type	Has Prior PA Grant?	Applicant Priority
			that covers the fans was damaged due to high force winds. Generator Rental 500kv, Diesel, 3 months Delivery of 5,000 gallons of Diesel for the emergency generators Rental of one All Terrain Crane for 2 days, 60 tons Breaker of 52L Power Block in Gas Turbines Manufacture and delivery of new Vacuum Circuit Breaker EATON VR 15KV, damaged due to water intrusion. Unit 6 - Traveling Screen Motor, CCWP 6-2 Rotorn motor suffered damages due to water intrusion.														
1258514	B	Damage for Project [688781] Guamani Dam Repairs	Repairs to restore Guamani channel diversion dam due to its total collapse caused by river overflows by hurricane Fiona. Material to restore Patillas and Guamani canals 7,000 mts. of mogolla A-1-A blue, since heavy rains caused erosion damages on canals	[688781] Guamani Dam Repairs								Flood	\$409,300.00	0	Contract	Yes	High
1258522	B	Culebra 3 2 MW	Motor failure: injectors problems Motor fatigued. Oil and coolant leakage. Water intrusion and humidity- Damages caused due to wind driven rail, heavy rainfall	Unassigned	Culebra Subestacion	Calle Escudero	Culebra	PR	00775			Hurricane	\$41,240.73	0	Contract	No	High
1258523	B	Culebra 2 2 MW	Water Pump Seal Motor fatigued- Coolant leakage through motor water pump seal	Unassigned	Culebra Subestacion	Calle Escudero	Culebra	PR	00775			Hurricane	\$3,267.00	0	Contract	No	High

Damage #	Category	Name	Description	Project	Address 1	Address 2	City	State	Zip	Lat	Long	Primary Cause of Damage	Approx. Cost	% Work Complete	Labor type	Has Prior PA Grant?	Applicant Priority
1261339	B	Central Cambalache Emergency Repairs	Miscellaneous Mechanical and Electrical Equipment Damages caused due to wind driven rain, flooding and high force winds.	Unassigned	Central Cambalache	PR-681	Arecibo	PR	00612	[REDACTED]	[REDACTED]	Hurricane	\$250,000.00	0	Contract	Yes	Urgent
1261343	B	Substation Vieques	Vieques 2 (3 MW) Voltage Faults: Explosion in generator area with unit in service. High voltage Cable faults of the three phases, CT and PT's. Breakers of starting motors of cooling and fan system - Failure: Water intrusion and humidity- Damages caused due to wind driven rail and heavy rainfall- Vieques 1 (3 MW) Instrumentation -Velocity Sensor Failed, Water intrusion and humidity- Damages caused due to wind driven rail and Heavy rainfall EXciter Control- Troubleshooting, Unit capacity limited. Water intrusion and humidity- Damages caused due to wind driven rail and Heavy rainfall	Unassigned	PR-200		Vieques	PR	00765	[REDACTED]	[REDACTED]	Hurricane	\$72,706.00	0	Contract	Yes	Urgent
1261344	B	Yabucoa 1-2 20 MW	Generator (Stator) Failed; Burnt phases. Water intrusion and humidity- Damages caused due to wind driven rain and heavy rainfall-	Unassigned	Candelero Arriba		Humacao	PR	00791	[REDACTED]	[REDACTED]	Hurricane	\$2,200,000.00	0	Contract	Yes	Urgent

Damage #	Category	Name	Description	Project	Address 1	Address 2	City	State	Zip	Lat	Long	Primary Cause of Damage	Approx. Cost	% Work Complete	Labor type	Has Prior PA Grant?	Applicant Priority
1261345	B	Daguao	Motor failure: Oil Leakage Motor fatigued. Oil leakage on speed reducer area Damages caused due to wind driven rail and heavy rainfall	Unassigned	PR-3	Aguas Claras	Ceiba	PR	00735	[REDACTED]	[REDACTED]	Hurricane	\$0.00	0	Contract	Yes	Urgent
1258524	F	Jobos 1	Exciter Control-Troubleshooting ECTB y EMIO cards damaged- Water intrusion and humidity- Damages caused due to wind driven rail and Heavy rainfall. No previous disaster damage identified	Unassigned	PR-3	Jobos	Guayama	PR	00784	[REDACTED]	[REDACTED]	Hurricane	\$11,306.00	0	Contract	No	High
1261346	B	Jobos 2-2	Repair of AC lubrication motor, Jobos unit 2-2 Due to the heavy rainfall, one Hitachi AC motor of the gas turbine suffered damages.	Unassigned	PR-3	Jobos	Guayama	PR	00784	[REDACTED]	[REDACTED]	Hurricane	\$1,876.00	0	Contract	Yes	Urgent

Damage #	Category	Name	Description	Project	Address 1	Address 2	City	State	Zip	Lat	Long	Primary Cause of Damage	Approx. Cost	% Work Complete	Labor type	Has Prior PA Grant?	Applicant Priority
1261347	B	Mayaguez Generation Plant	Mayaguez 1 Damages to Mechanical and Electrical Equipment- Governors Damages on 1Aand 1B Governors Mayaguez 2 Damages to Mechanical Equipment- Broken coupling on the hydraulic pump of the Unit starting system Mayaguez 3 Damages to Mechanical Equipment- Broken coupling on the hydraulic pump of the Unit starting system. Bushing of coupling damaged Mayaguez 4 Damages to Mechanical Equipment- Broken coupling on the hydraulic pump of the Unit starting system	Unassigned	PR-3341	Marina Septentional	Mayaguez	PR	00680	[REDACTED]	[REDACTED]	Hurricane	\$51,198.00	0	Contract	Yes	Urgent
1261348	B	Dos Bocas Power Plant	Dos Bocas 3 Damages to Electrical Equipment- Trasnformer Transformer explosionFault on Phase B. Oilspill on Dike Dos Bocas 2 Damages to Electrical Equipment- Transformer Fallen bushing piece from Transformer 3 hit and broke oil pipe of Transformer Unit 3 "	Unassigned	Dos Bocas Hydroelectric Power Plant	PR-146	Arecibo	PR	00641	[REDACTED]	[REDACTED]	Hurricane	\$350,000.00	0	Contract	Yes	Urgent

Damage #	Category	Name	Description	Project	Address 1	Address 2	City	State	Zip	Lat	Long	Primary Cause of Damage	Approx. Cost	% Work Complete	Labor type	Has Prior PA Grant?	Applicant Priority
1261349	B	Yauco 2 Hydro Plant	Yauco 2-Exterior Power House Damages to Electrical Equipment- Clean and Remove Debris, Fallen poles and power lines- Clearing of debris Yauco 2-2 Miscellaneous Damages to Mechanical and Electrical Equipment- Clean and Remove Debris	Unassigned	A.E.E. Central Hidroeléctrica - Yauco	Callejon Los Quiñonez	Yauco	PR	00698	[REDACTED]	[REDACTED]	Hurricane	\$0.00	0	Contract	Yes	Urgent
1261350	B	Toro Negro Hydro Plant	Toro Negro 1-1.5 MW Miscellaneous Damages to Mechanical and Electrical Equipment- Clean and Remove Debris Obstruction in the water channel for Lake Aceitunas caused by the collapse of rocks and sediments. Partial clearing of rocks, vegetation and sediments was carried out. More material pending removal affecting morning glory area	Unassigned	Toro Negro I Hydroelectric Power Plant	Calle Luchetti	Villalba	PR	00766	[REDACTED]	[REDACTED]	Hurricane	\$0.00	0	Contract	Yes	Urgent

Damage #	Category	Name	Description	Project	Address 1	Address 2	City	State	Zip	Lat	Long	Primary Cause of Damage	Approx. Cost	% Work Complete	Labor type	Has Prior PA Grant?	Applicant Priority
1261351	B	Garzas Hydro Plant	Garzas 1-1 (3.6 MW) Damages to Electrical Equipment- Clean and Remove Debris, Fallen poles and power lines- Clearing of debris Garzas - lake Clean and Remove Debris, Obstruction caused by the collapse of rocks and sediments. clearing of rocks, vegetation and sediments needed. Material pending removal affecting morning glory area	Unassigned	Garzas Hidroelectrica I	Sec Planta 1	Penuelas	PR	00624	[REDACTED]	[REDACTED]	Hurricane	\$0.00	0	Contract	Yes	Urgent
1268119	B	Damage for Project [694014] 4671DR-PR-FIONA		[694014] 4671DR-PR-FIONA								Flood	\$0.00	50	Unknown	No	Urgent
1278097	B	Emergency Protective Measures (Substation) (Islandwide)	A total of 289 substations suffers damages to Site, HV Yard, Control Room, DC Equipment, Telcom/RTU, Transformer(s), Breaker(s), Tower Components and Tower Structures impacted due to continuous hurricane days of rainfall and strong winds across the island.	[698853] Emergency Protective Measures (Substation) (Islandwide)						[REDACTED]	[REDACTED]	Hurricane	\$1,993,634,422.00	0	Force Account and Contract	No	Urgent

Damage #	Category	Name	Description	Project	Address 1	Address 2	City	State	Zip	Lat	Long	Primary Cause of Damage	Approx. Cost	% Work Complete	Labor type	Has Prior PA Grant?	Applicant Priority
1278113	B	Emergency Protective Measures (Transmission) (Islandwide)	A total of 167 transmission lines (38 kV, 115 kV and 230 kV) suffers damages to 1,459 poles, 279 conductors and 1,374 equipment's were impacted due to continuous hurricane days of rainfall and strong winds across the island.	[698854] Emergency Protective Measures (Transmission) (Islandwide)								Hurricane	\$238,080,336.59	2	Force Account and Contract	No	Urgent
1278155	B	Emergency Protective Measures (Distribution) (Islandwide)	A total of 764 distribution feeder lines suffers damages to 9400 poles, 3919 conductors and 4743 equipment's were impacted due to continuous hurricane days of rainfall and strong winds across the island.	[698855] Emergency Protective Measures (Distribution) (Islandwide)								Hurricane	\$828,662,972.70	30	Force Account and Contract	No	Urgent
1278204	B	Emergency Protective Measures (Transmission) (Distribution) (Substation) (Islandwide)	Damage created for the emergency protective measures completed during the cost share of 100% (September 17, 2022 - November 16, 2022)	[698856] Emergency Protective Measures (Transmission) (Distribution) (Substation) (Islandwide)								Hurricane	\$612,075,546.20	100	Force Account and Contract	No	Urgent

60-Day Deadline

12/10/2022

Signed By Unsigned

Signed On

Unsigned

Puerto Rico Electric Power Authority  
DR-4671 Hurricane Fiona  
*DFMO467103 - Emergency Inventory Supply - LNG & Diesel*

Damages caused by Hurricane Fiona in an LNG terminal created an inventory shortage considering that damages to the structure channel prevented barges to supply and refuel LNG used by PREPA. Shortage created an imminent threat to life and property caused by the loss of operation of both Ecolectrica and Costa Sur. Tanking into account the critical energy reserve levels PREPA is currently operating, the loss of MWs from both plants, caused by the loss of inventory/fuel, will cause massive load sheds and black-outs all over the island including critical facilities like water pumping stations, hospitals, elderly care facilities, among others.

Therefore, expedited emergency repairs were performed to the terminal and were completed October 13, 2022. PREPA took upon emergency measures to replenish inventory by performing amendments to an existing contract and expedite delivery at an increase cost.

Moreover, due to the limitations presented on LNG inventory PREPAs contractor purchased back-up fuel as per section 13.1 of the A&RPPOA whereby the "seller shall procure and obtain delivery of backup fuel...necessary to operate the facility at the full dependable capacity". A total of 99,960.03 bbl were procured by Ecolectrica due to inventory shortaged of LNG and invoiced to PREPA following the stated agreement.

LNG Inventory Emergency Supply -	\$24,758,166	Fuel Purchase
	(11,931,312.00)	Credit
	<u>12,826,854</u>	<b>Total Amount to be incurred by PREPA</b>
Backup Diesel Fuel -	<u>17,786,238</u>	Refer to Fuel Backup Tab for Invoice Details
<b>Total Emergency Fuel Cost</b>	<b><u>30,613,092</u></b>	

Invoice #	ULSD Volume Received (bbls)	ULSD Volume Received (gals)	Deem Date	NYMEX NOV \$/gal	Adder \$/gal	NYMEX NOV + Adder \$/gal	Invoice TOTAL	As per invoices
22-49	4,861.99	204,204.00	10-10-22	3.9147	0.27	4.18470	\$ 854,532.48	\$ 854,532.46
22-50	4,929.32	207,031.00	10-10-22	3.9147	0.27	4.18470	\$ 866,362.63	\$ 866,362.61
22-51	9,853.51	413,847.00	11-10-22	3.9308	0.27	4.20080	\$ 1,738,488.48	\$ 1,738,488.48
22-52	9,859.58	414,102.00	12-10-22	3.9328	0.27	4.20280	\$ 1,740,387.89	\$ 1,740,387.89
22-53	5,023.59	210,991.00	11-10-22	3.9308	0.27	4.20080	\$ 886,330.99	\$ 886,330.99
22-54	14,749.17	619,465.00	13-10-22	4.0948	0.27	4.36480	\$ 2,703,840.83	\$ 2,703,840.83
22-56	14,831.43	622,920.00	14-10-22	3.9802	0.27	4.25020	\$ 2,647,534.58	\$ 2,647,534.58
22-57	9,912.56	416,328.00	14-10-22	3.9802	0.27	4.25020	\$ 1,769,477.27	\$ 1,769,477.27
22-59	9,916.66	416,500.00	14-10-22	3.9802	0.27	4.25020	\$ 1,770,208.30	\$ 1,770,208.30
22-61	16,022.50	672,945.00	19-10-22	3.9043	0.27	4.17430	\$ 2,809,074.31	\$ 2,809,074.31
TOTALS	99,960.31	4,198,333.00					\$ 17,786,237.76	\$ 17,786,237.72

## **Anejo A-3**



**From:** [Janssen Tam](#)  
**To:** [Jose L. Carrasco Arroyo](#)  
**Cc:** [Jack Finlay](#); [Carlos Faris](#); [Lynsie Williams](#); [Winnie Irizarry](#); [Manuel Rios Ramirez](#); [Anthony Vega Plúguez](#); [Lorena Torres Miranda](#)  
**Subject:** RE: NFE - PREPA Invoice - November 2022  
**Date:** Tuesday, December 13, 2022 3:53:01 PM  
**Attachments:** [image002.png](#)  
  [image003.png](#)  
  [PREPA - November 2022 Gas Invoice Revised Signed.pdf](#)

---

Hello Mr. Arroyo,

Please find the PRERPA Invoice – November 2022 revised as requested.

Best regards,  
Janssen

---

**From:** Jose L. Carrasco Arroyo <JOSE.CARRASCO@prepa.com>  
**Sent:** Monday, December 12, 2022 4:48 PM  
**To:** Janssen Tam <jtam@newfortressenergy.com>  
**Cc:** Jack Finlay <jfinlay@newfortressenergy.com>; Carlos Faris <cfaris@newfortressenergy.com>; Lynsie Williams <lwilliams@newfortressenergy.com>; Winnie Irizarry <wirizarry@newfortressenergy.com>; Manuel Rios Ramirez <MANUEL.RIOS@prepa.com>; Anthony Vega Plúguez <ANTHONY.VEGA@prepa.com>; Lorena Torres Miranda <LORENA.TORRES@prepa.com>  
**Subject:** Re: NFE - PREPA Invoice - November 2022

Thanks.

Regards,

José L Carrasco  
PREPA Fuels Office

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**From:** Janssen Tam <jtam@newfortressenergy.com>  
**Sent:** Monday, December 12, 2022 4:03 PM  
**To:** Jose L. Carrasco Arroyo <JOSE.CARRASCO@prepa.com>  
**Cc:** Jack Finlay <jfinlay@newfortressenergy.com>; Carlos Faris <cfaris@newfortressenergy.com>; Lynsie Williams <lwilliams@newfortressenergy.com>; Winnie Irizarry <wirizarry@newfortressenergy.com>; Manuel Rios Ramirez <MANUEL.RIOS@prepa.com>; Anthony Vega Plúguez <ANTHONY.VEGA@prepa.com>; Lorena Torres Miranda <LORENA.TORRES@prepa.com>  
**Subject:** RE: NFE - PREPA Invoice - November 2022

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Hello Mr. Arroyo,

We are in receipt of your request. We are working on the request and will provide shortly.

Best,

Janssen Tam

AR Accountant



**Tel: (516) 268-7400 x5010 Cell: (332) 215-8574**

111 W 19<sup>th</sup> St, 8<sup>th</sup> Floor New York, NY 10011

[www.newfortressenergy.com](http://www.newfortressenergy.com)

---

**From:** Jose L. Carrasco Arroyo <[JOSE.CARRASCO@prepa.com](mailto:JOSE.CARRASCO@prepa.com)>

**Sent:** Monday, December 12, 2022 2:25 PM

**To:** Janssen Tam <[jtam@newfortressenergy.com](mailto:jtam@newfortressenergy.com)>

**Cc:** Jack Finlay <[jfinlay@newfortressenergy.com](mailto:jfinlay@newfortressenergy.com)>; Carlos Faris <[cfaris@newfortressenergy.com](mailto:cfaris@newfortressenergy.com)>; Lynsie Williams <[lwilliams@newfortressenergy.com](mailto:lwilliams@newfortressenergy.com)>; Winnie Irizarry <[wirizarry@newfortressenergy.com](mailto:wirizarry@newfortressenergy.com)>; Manuel Rios Ramirez <[MANUEL.RIOS@prepa.com](mailto:MANUEL.RIOS@prepa.com)>; Anthony Vega Plúguez <[ANTHONY.VEGA@prepa.com](mailto:ANTHONY.VEGA@prepa.com)>; Lorena Torres Miranda <[LORENA.TORRES@prepa.com](mailto:LORENA.TORRES@prepa.com)>

**Subject:** RE: NFE - PREPA Invoice - November 2022

Greetings Mr. Tam,

We will appreciate your acknowledgement of receiving our previous email and to provide us with information on when shall we expect to receive the revised invoice, as per our request.

Regards,

Eng. José L. Carrasco  
Technical Advisor  
PREPA – Fuels Office  
NEOS Bldg., Suite 714  
Ph. # (787)521-4949



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---

**From:** Jose L. Carrasco Arroyo  
**Sent:** Friday, December 9, 2022 8:44 AM  
**To:** Janssen Tam <[jtam@newfortressenergy.com](mailto:jtam@newfortressenergy.com)>  
**Cc:** Jack Finlay <[jfinlay@newfortressenergy.com](mailto:jfinlay@newfortressenergy.com)>; Carlos Faris <[cfaris@newfortressenergy.com](mailto:cfaris@newfortressenergy.com)>; Lynsie Williams <[lwilliams@newfortressenergy.com](mailto:lwilliams@newfortressenergy.com)>; Winnie Irizarry <[wirizarry@newfortressenergy.com](mailto:wirizarry@newfortressenergy.com)>; Manuel Rios Ramirez <[MANUEL.RIOS@prepa.com](mailto:MANUEL.RIOS@prepa.com)>; Anthony Vega Plúguez <[ANTHONY.VEGA@prepa.com](mailto:ANTHONY.VEGA@prepa.com)>; Lorena Torres Miranda <[LORENA.TORRES@prepa.com](mailto:LORENA.TORRES@prepa.com)>  
**Subject:** RE: NFE - PREPA Invoice - November 2022

Greetings Mr. Tam,

After our review of Invoice PREPA00032G, we kindly request NFE to make the following modifications:

- Remove line for OTHER: Credit for excess Nominations Not Sold (September) – since PREPA deducted this amount for October Invoice (PREPA00031G) payment.
- Review line for OTHER: Credit for excess Nominations Not Sold (October), Quantity (MMBtu) of 18,691.95 – Given a Nomination of 2,053,000 MMBtu for October, 2022 and a Delivery Of 2,041,850 MMBtu, that gives an Excess Nomination of 11,150 MMBtu.

Please provide us with a revised version of this invoice as soon as possible, in order to continue with due process. If you need any additional information, do not hesitate to contact us.

Regards,

Eng. José L. Carrasco  
Technical Advisor  
PREPA – Fuels Office  
NEOS Bldg., Suite 714  
Ph. # (787)521-4949

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---

**From:** Janssen Tam <[jtam@newfortressenergy.com](mailto:jtam@newfortressenergy.com)>  
**Sent:** Friday, December 2, 2022 7:13 PM  
**To:** Lorena Torres Miranda <[LORENA.TORRES@prepa.com](mailto:LORENA.TORRES@prepa.com)>  
**Cc:** Jack Finlay <[jfinlay@newfortressenergy.com](mailto:jfinlay@newfortressenergy.com)>; Carlos Faris <[cfaris@newfortressenergy.com](mailto:cfaris@newfortressenergy.com)>;  
Lynsie Williams <[lwilliams@newfortressenergy.com](mailto:lwilliams@newfortressenergy.com)>; Winnie Irizarry  
<[wirizarry@newfortressenergy.com](mailto:wirizarry@newfortressenergy.com)>; Manuel Rios Ramirez <[MANUEL.RIOS@prepa.com](mailto:MANUEL.RIOS@prepa.com)>; Anthony  
Vega Plúguez <[ANTHONY.VEGA@prepa.com](mailto:ANTHONY.VEGA@prepa.com)>; Jose L. Carrasco Arroyo  
<[JOSE.CARRASCO@prepa.com](mailto:JOSE.CARRASCO@prepa.com)>  
**Subject:** NFE - PREPA Invoice - November 2022

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Evening Ms. Torres Miranda,

We hope that all is well.

Please find attached NFE's Gas invoice to PREPA for November 2022 for your records.  
Please note that the invoice is based on nominations.

Best Regards,  
Janssen

Janssen Tam  
AR Accountant



Tel: (516) 268-7400 x5010 Cell: (332) 215-8574

111 W 19<sup>th</sup> St, 8<sup>th</sup> Floor New York, NY 10011

[www.newfortressenergy.com](http://www.newfortressenergy.com)

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**REVISED**

NFEnergía LLC  
111 W 19th Street, 8th Floor  
New York, NY 10011  
United States of America

Bill To
Puerto Rico Electric Power Authority P.O. Box 363928 San Juan Puerto Rico 00936-3928

Invoice Date	Due Date	Invoice
12/2/2022	1/1/2023	PREPA00032G-R

Billing Period No.	Start date	End date	Contract Number
32	11/1/2022	11/30/2022	

Products & Other Charges		Quantity (MMBtu)	Price	Amount (US\$)
<b>Description:</b>				
Manufactured Natural Gas made available, pursuant to the Fuel Sale and Purchase Agreement, to Units 5 and 6.				
<b>Quantities:</b>				
Monthly Nominated Quantity		2,050,000.000	\$13.464	\$27,600,995.00
<b>Additional Quantities:</b>				
Additional Quantity	Original	0.000	\$0.000	\$0.00
<b>Gas Cost:</b>				
Gas Index Price	\$5.186			
(x) Factor	1.150			
Unit Fuel Cost	\$5.964			
(+) Unit Cost	\$7.500			
Gas Cost	\$13.464			
<b>Other:</b>				
Credit for Excess Nominations Not Sold (October)		11,150.00	\$2.310	(\$25,753.49)
<b>Total Invoice</b>				<b>\$27,575,241.51</b>

Cash Wire Instructions - USD	
Bank Name:	BANK OF AMERICA, N.A.
Bank Routing Number:	026009593
Beneficiary Account Name:	NFENERGIA LLC
Beneficiary Account Number:	4460 2662 6394

New Fortress Energy Contact
Janssen Tam (332) 215-8574 <a href="mailto:jtam@newfortressenergy.com">jtam@newfortressenergy.com</a>

#### Certification

We certify under penalty of nullity that no public servant of Buyer will derive or obtain any benefit or profit of any kind from the contractual relationship which is the basis of this invoice. If such benefit or profit exists, the required waiver has been obtained prior to entering into the Agreement. The only consideration to be received in exchange for the delivery of goods or for the Services provided is the agreed-upon price that has been negotiated with an authorized representative of Buyer. The total amount shown on this invoice is true and correct. The Services have been rendered, and no payment has been received.

Authorized Signatory

**Gas Data**
**Total Gas delivered to Gen 5 + 6 (NFE)**
**1,868,336.000 MMBtu**

12/2/2022 PREPA00032G-R

<b>Date</b>	<b>Gas Supplied (NFE Meter)</b>	<b>Date</b>	<b>Gas Supplied (NFE Meter)</b>
11/1/22	71,649.000	11/18/22	67,306.000
11/2/22	69,463.000	11/19/22	69,744.000
11/3/22	69,906.000	11/20/22	67,778.000
11/4/22	66,447.000	11/21/22	70,926.000
11/5/22	33,849.000	11/22/22	70,973.000
11/6/22	33,249.000	11/23/22	70,918.000
11/7/22	35,076.000	11/24/22	68,002.000
11/8/22	35,474.000	11/25/22	65,706.000
11/9/22	33,678.000	11/26/22	66,667.000
11/10/22	44,436.000	11/27/22	65,764.000
11/11/22	66,944.000	11/28/22	67,727.000
11/12/22	68,883.000	11/29/22	70,669.000
11/13/22	66,839.000	11/30/22	69,111.000
11/14/22	70,036.000		
11/15/22	70,949.000		
11/16/22	70,584.000		
11/17/22	69,583.000		

**From:** [Lynsie Williams](#)  
**To:** [Richard W Cruz Franqui](#); [Carlos Faris](#); [Winnie Irizarry](#); [Janssen Tam](#); [Accounts Payable](#); [David Canales](#); [Christian Mueller](#); [Yunyoung Shin](#); [Kristian Petric](#); [Legal](#)  
**Cc:** [Lorena Torres Miranda](#); [Jose L. Carrasco Arroyo](#); [Jorge Cotto Perez](#); [Katuska Bolaños](#); [Joannely Marrero](#)  
**Subject:** RE: Request for Application of Force Majeure Credit - NFE's Offer Letter for PREPA's Acceptance- - Fully Executed 10.13.2022.pdf  
**Date:** Wednesday, December 21, 2022 12:39:23 PM  
**Attachments:** [image002.png](#)  
[image003.png](#)  
[RE NFE - PREPA Invoice - November 2022.msg](#)

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Good morning, Richard,

Please note the November invoice was revised after sending the email below. The new amount due after the credit applied is: \$24,021,136.65.

Invoice Amount	\$27,575,241.51
Credit Amount	\$(3,554,104.86)
<b>Updated Total Due</b>	<b>\$24,021,136.65</b>

Thank you,

**Lynsie Williams**  
Billing & Collections Manager



**Cell:** 832.425.9480  
1500 Post Oak Blvd, 17<sup>th</sup> Floor, Houston, TX 77056  
[www.newfortressenergy.com](http://www.newfortressenergy.com)

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**From:** Lynsie Williams  
**Sent:** Thursday, December 8, 2022 9:43 AM  
**To:** Richard W Cruz Franqui <[RICHARD.CRUZ@PREPA.COM](mailto:RICHARD.CRUZ@PREPA.COM)>; Carlos Faris <[ccfaris@newfortressenergy.com](mailto:ccfaris@newfortressenergy.com)>; Winnie Irizarry <[wirizarry@newfortressenergy.com](mailto:wirizarry@newfortressenergy.com)>; Janssen Tam <[jtam@newfortressenergy.com](mailto:jtam@newfortressenergy.com)>; Accounts Payable <[accountspayable@newfortressenergy.com](mailto:accountspayable@newfortressenergy.com)>; David Canales <[dcanales@newfortressenergy.com](mailto:dcanales@newfortressenergy.com)>; Christian Mueller <[cmueller@newfortressenergy.com](mailto:cmueller@newfortressenergy.com)>; Yunyoung Shin <[YShin@newfortressenergy.com](mailto:YShin@newfortressenergy.com)>; Kristian Petric <[kpetric@newfortressenergy.com](mailto:kpetric@newfortressenergy.com)>; Legal <[legal@newfortressenergy.com](mailto:legal@newfortressenergy.com)>  
**Cc:** Lorena Torres Miranda <[LORENA.TORRES@prepa.com](mailto:LORENA.TORRES@prepa.com)>; Jose L. Carrasco Arroyo

<JOSE.CARRASCO@prepa.com>; Jorge Cotto Perez <JORGE.COTTO@prepa.com>; Katuska Bolanos <kbolanos@diazvaz.law>; Joannely Marrero <jmarrero@diazvaz.law>  
**Subject:** RE: Request for Application of Force Majeure Credit - NFE's Offer Letter for PREPA's Acceptance- - Fully Executed 10.13.2022.pdf

Good morning, Richard,

Your request has been received; we will apply the credit towards the November invoice. The amount remaining for the November invoice will be \$22,924,996.80.

Invoice Amount	\$26,479,101.66
Credit Amount	\$(3,554,104.86)
<b>Updated Total Due</b>	<b>\$22,924,996.80</b>

Thank you,

**Lynsie Williams**  
Billing & Collections Manager



**Cell:** 832.425.9480  
1500 Post Oak Blvd, 17<sup>th</sup> Floor, Houston, TX 77056  
[www.newfortressenergy.com](http://www.newfortressenergy.com)

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**From:** Richard W Cruz Franqui <[RICHARD.CRUZ@PREPA.COM](mailto:RICHARD.CRUZ@PREPA.COM)>  
**Sent:** Thursday, December 8, 2022 9:28 AM  
**To:** Carlos Faris <[cfaris@newfortressenergy.com](mailto:cfaris@newfortressenergy.com)>; Winnie Irizarry <[wirizarry@newfortressenergy.com](mailto:wirizarry@newfortressenergy.com)>; Janssen Tam <[jtam@newfortressenergy.com](mailto:jtam@newfortressenergy.com)>; Accounts Payable <[accountspayable@newfortressenergy.com](mailto:accountspayable@newfortressenergy.com)>; David Canales <[dcanales@newfortressenergy.com](mailto:dcanales@newfortressenergy.com)>; Lynsie Williams <[lwilliams@newfortressenergy.com](mailto:lwilliams@newfortressenergy.com)>; Christian Mueller <[cmueller@newfortressenergy.com](mailto:cmueller@newfortressenergy.com)>; Yunyoung Shin <[YShin@newfortressenergy.com](mailto:YShin@newfortressenergy.com)>; Kristian Petric <[kpetric@newfortressenergy.com](mailto:kpetric@newfortressenergy.com)>; Legal <[legal@newfortressenergy.com](mailto:legal@newfortressenergy.com)>  
**Cc:** Lorena Torres Miranda <[LORENA.TORRES@prepa.com](mailto:LORENA.TORRES@prepa.com)>; Jose L. Carrasco Arroyo <[JOSE.CARRASCO@prepa.com](mailto:JOSE.CARRASCO@prepa.com)>; Jorge Cotto Perez <[JORGE.COTTO@prepa.com](mailto:JORGE.COTTO@prepa.com)>; Katuska Bolanos <[kbolanos@diazvaz.law](mailto:kbolanos@diazvaz.law)>; Joannely Marrero <[jmarrero@diazvaz.law](mailto:jmarrero@diazvaz.law)>  
**Subject:** FW: Request for Application of Force Majeure Credit - NFE's Offer Letter for PREPA's Acceptance- - Fully Executed 10.13.2022.pdf

Jansen -

Regarding the attached agreement, PREPA requests NFE to apply the credit of \$ 3,554.105 to the invoice for November 2022.

Best,



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