

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

IN RE: INTERRUPCIÓN DE SERVICIO ELÉCTRICO DE 31 DE DICIEMBRE DE 2024

CASE NO: NEPR-IN-2025-0001

SUBJECT: Second Request for Information.

RESOLUTION AND ORDER

On December 31, 2024, LUMA¹ informed the Energy Bureau of the Puerto Rico Energy Regulatory Board ("Energy Bureau"), of a service interruption that occurred earlier that day, around 6:00 a.m., impacting approximately 1,306,712 customers (the "Incident"). The Incident led to the shutdown of multiple generation units, including those owned by PREPA and operated by Genera PR, LLC ("Genera"), as well as units owned and operated by other independent power producers, resulting in an Island wide blackout. Among the private generation units affected were those operated by AES Puerto Rico, L.P. ("AES") in Guayama and EcoEléctrica, L.P. ("EcoEléctrica") in Peñuelas. On January 3, 2025, LUMA notified the Energy Bureau that electric service had been restored for all affected customers.

In carrying out its oversight duties and responsibilities, the Energy Bureau launched an investigation to determine the causes of the Incident, the investigative and corrective measures taken by the operators of the Electric System and key service providers, and the primary impacts associated with the Incident.

The Energy Bureau **ORDERS** Genera, EcoEléctrica, and AES to each submit a response to the Second Request for Information, as outlined in **Attachment A** to this Resolution and Order, as applicable to them, **no later than January 21, 2025, at 12:00 p.m. following the notification of this Resolution and Order.** The Energy Bureau clarifies that the requested information primarily relates to the units and equipment operated or used by the requested party. However, it also extends to any relevant information in their possession or control regarding the operation of the broader Electric System and the Incident, to the extent such information is available to them. The Energy Bureau also notes that additional information may be requested as deemed necessary.

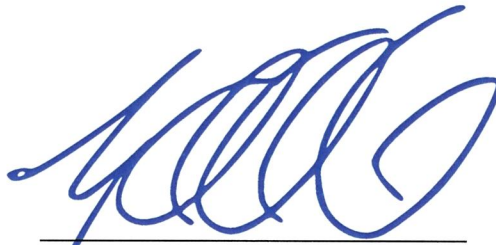
The Energy Bureau **WARNS** Genera, EcoEléctrica and AES that:

- (i) noncompliance with this Resolution and Order, regulations and/or applicable laws may carry the imposition of fines and administrative sanctions of up to \$25,000 per day;
- (ii) any person who intentionally violates Act 57-2014, as amended, by omitting, disregarding, or refusing to obey, observe, and comply with any rule or decision of the Energy Bureau shall be punished by a fine of not less than five hundred dollars (\$500) nor over five thousand dollars (\$5,000) at the discretion of the Energy Bureau; and
- (iii) for any recurrence of non-compliance or violation, the established penalty shall increase to a fine of not less than ten thousand dollars (\$10,000) nor greater than twenty thousand dollars (\$20,000) at the discretion of the Energy Bureau.

Be it notified and published.

¹ LUMA Energy, LLC and LUMA Energy ServCo, LLC (jointly referred as "LUMA").

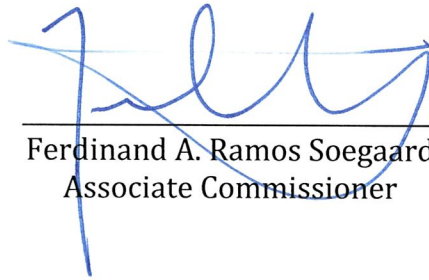




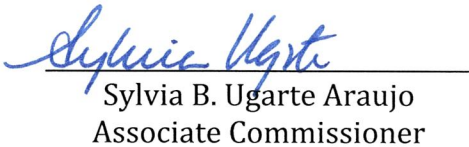
Edison Avilés Deliz
Chairman



Lillian Mateo Santos
Associate Commissioner



Ferdinand A. Ramos Soegaard
Associate Commissioner



Sylvia B. Ugarte Araujo
Associate Commissioner

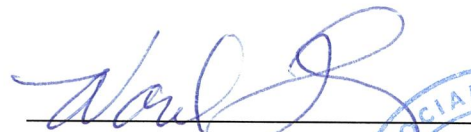


Antonio Torres Miranda
Associate Commissioner

CERTIFICATION

I certify that the majority of the members of the Puerto Rico Energy Bureau has so agreed on January 9, 2025. I also certify that on January 9, 2025 a copy of this Resolution and Order was notified by electronic mail to the following: mario.hurtado@lumapr.com; legal@lumapr.com; PREBorders@lumapr.com; legal@genera-pr.com, karen.ortiz@aes.com; elias.sostre@aes.com; carlos.reyes@ecoelectrica.com. I also certify that on January 9, 2025, I have proceeded with the filing of the Resolution and Order issued by the Puerto Rico Energy Bureau.

I sign this in San Juan, Puerto Rico, on January 9, 2025.


Wanda I. Cordero Morales
Interim Clerk

ATTACHMENT A

Request of Information Directed to Genera, EcoEléctrica and AES

1. A summary of the Incident, including but not limited to:
 - (a) chronological description of events,
 - (b) any investigative, corrective, or other actions taken,
 - (c) any information, data, videos, audio recordings, photographs, reports, or documents related to the Incident, including those compiled or submitted to federal or local authorities,
 - (d) the time and nature of any alarms, system warnings, or abnormal operating conditions as well as details of any switching operations, relay activations, or other significant system actions related to the Incident,
 - (e) identification of specific equipment or system components that failed, including manufacturer, model, and maintenance history,
 - (f) explanation of any cascading failures, including load shedding sequences, protective relay actions, or interconnection dynamics,
 - (g) status of generation units (online/offline, capacity, etc.) at the time of the Incident,
 - (h) status of transmission lines, substations, and interconnections at the time of the Incident,
 - (i) information on known vulnerabilities or prior issues with system components,
 - (j) restoration strategies and procedures implemented,
 - (k) outline of communication and coordination protocols with LUMA,
 - (l) steps taken or planned to prevent a recurrence of such an incident, including:
 - (i) upgrades to infrastructure, relay settings, or control systems and
 - (ii) enhanced monitoring and fault detection capabilities,
 - (m) details of any risk assessments or vulnerability studies conducted prior to the Incident,
 - (n) copies of incident reports, operator logs, and SCADA data relevant to the Incident,
 - (o) any internal investigations or third-party assessments initiated regarding the Incident,
 - (p) real-time data snapshots from critical system points (e.g., substations, generators) at key moments during the Incident, and
 - (q) if there are incremental costs incurred in relation to the Incident, please describe and quantify them, including how they will be recovered.
2. Any information, communications, reports, documents, or analyses received, obtained, or created during efforts to investigate, address, or determine the cause of the Incident, including the "root cause report" and any actions performed by agents, attorneys, or consultants.

