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

IN RE: THE PERFORMANCE OF THE PUERTO RICO ELECTRIC POWER AUTHORITY	**CASE NO.:** NEPR-MI-2019-0007 **SUBJECT:** Updated Data Template for Quarterly Reporting.

RESOLUTION AND ORDER

I. Introduction

In this Resolution and Order, the Energy Bureau of the Puerto Rico Public Service Regulatory Board ("Energy Bureau"):

- Aligns the definition of the metrics Genera currently reports with the performance incentive metrics in the Puerto Rico Thermal Generation Facilities Operation and Maintenance Agreement;
- Adds Genera performance incentive metrics not being currently reported on to the reporting template and requires Genera to report data from when it took over operations until the present for these metrics;
- Adds new reliability metrics to increase transparency of the system reliability experienced by customers;
- Adds additional rows for several metrics, per LUMA's requests in prior motions;
- Issues new quarterly data reporting templates for LUMA and Genera.

II. Procedural History

On May 14, 2019, the Energy Bureau issued a Resolution and Order titled *PREPA Performance Reporting Requirements* ("May 14 Resolution") initiating a proceeding to establish quarterly reporting requirements for electric system performance metrics. The Energy Bureau directed the Puerto Rico Electric Power Authority ("PREPA") to submit quarterly reports for specified metrics.

On June 1, 2021, LUMA Energy, LLC as Management Co., and LUMA Energy Servco, LLC (collectively, "LUMA") assumed full responsibility of the transmission and distribution system operations to deliver energy to customers on behalf of PREPA. Additionally, LUMA became responsible for reporting relevant performance data in this docket. Since June 1, 2021, LUMA has filed quarterly performance reports with the Energy Bureau containing detailed data on its operational, reliability, safety, and customer service performance.

On January 15, 2023, the Energy Bureau approved an operation and maintenance agreement with GENERA PR, LLC ("Genera").[1] Under the agreement, Genera assumed operational control of PREPA's legacy generation assets beginning on July 1, 2023. Genera, in its capacity as Operator of the Thermal Generation Facilities pursuant to the Puerto Rico Thermal Generation Facilities Operation and Maintenance Agreement ("LGA OMA"), began reporting on generation data in this docket starting in Fiscal Year 2024 (FY24).

[1] *See* Resolution and Order (Energy Compliance Certificate, In re: Certificate of Energy Compliance, Case No. NEPR-AP-2022-0001, January 15, 2023 ("Energy Compliance Certificate").

On May 16, 2025, the Energy Bureau issued a Resolution and Order titled *Response to LUMA's January 15 Motion, Response to Genera's February 3 and February 10 Motions, System Reliability Metrics Reporting Frequency, and Additional System Reliability Metrics* ("May 16 Resolution") in which it stated its intent to add several system-level reliability metrics to the quarterly report template. The Energy Bureau welcomed comments from LUMA and Genera on the potential metrics, and, among other directives, directed LUMA and Genera to respond to the requirements of information in Attachment A of the Resolution.

On June 5, 2025, Genera submitted a d *Motion to Submit Revised Response to January 17th, 2025, ROIs and Initial Response to May 16th, 2025, in Compliance with the May 29th Resolution and Order* ("Genera June 5 Motion"). Genera included as Exhibit A its revised responses to the ROIs issued in the January 17 Resolution and its initial responses to the ROIs issued in the May 16 Resolution.

On June 5, 2025, LUMA submitted a motion titled *Motion in Compliance with Resolution and Order of May 16, 2025* and included as Exhibit 1 its responses to the ROIs issued in the May 16 Resolution ("LUMA June 5 Response).

On July 21, 2025, LUMA filed its Submission of Performance Metrics Report for April through June 2025 ("July 2025 Submission") along with a Motion titled *Motion Submitting Quarterly Report on System Data for April through June 2025.* LUMA requested that the Energy Bureau modify the data template to include additional municipalities for the metric titled, "Percent of customers on AMI."

On October 20, 2025, LUMA filed its Submission of Performance Metrics Report for July through September 2025 ("October 2025 Submission") along with a Motion titled *Motion Submitting Quarterly Report on System Data for July through September 2025* (LUMA October 20 Motion). In this motion, LUMA reiterated its request that the Energy Bureau modify the reporting template to expand the Percent of Customers on AMI metrics to all 78 municipalities.

On December 19, 2025, the Energy Bureau issued a Resolution and Order titled *Genera and LUMA's October 20th, November 3rd, and November 20th Motions; Requirement to Submit Supporting Workpapers and Data* ("December 19 Resolution"). The Energy Bureau ordered LUMA and Genera to submit the underlying data and supporting workpapers for the metrics listed in Attachment A for FY2025 within thirty (30) days and at the frequency (annually or quarterly) specified therein. Additionally, the Energy Bureau summarized the performance incentive metrics for which Genera is able to earn incentives per the LGA OMA, stated its intent to align Genera's quarterly reporting with the incentive metrics in the LGA OMA and ordered Genera to submit historical monthly data for each performance metric listed in Table 1 of the order. The Energy Bureau also directed Genera to indicate for each metric whether it currently reports on it in the quarterly reports in this proceeding and if so, how the methodology differs between what Genera reports in this proceeding versus how it would calculate its performance for the inventive calculation.

On December 29, 2025, LUMA submitted a Motion titled *Motion Requesting Extension of Time to Comply with the December 19 Order and Submit Quarterly Report on System Data for October through December 2025* in which LUMA requested the Energy Bureau consolidate the data submission requirements in the December 19 Order with the Quarterly Report on System Data for October through December 2025 and extend the deadline for the consolidated submission to January 27, 2026.

On January 9, 2026, the Energy Bureau issued a Resolution and Order ("January 9th Resolution") granting LUMA's request for an extension of time until January 27, 2026 to submit its Quarterly Report on System Data and its response to the December 19 Resolution.

On January 20, 2026, Genera submitted a Motion titled *Motion in Compliance with Resolution and Order issued December 19, 2025.* (Genera's January 20 Submission). Genera submitted as Exhibit 1 a spreadsheet containing the revised Quarterly Report data template and a separate tab with FY2024 and FY2025 data corresponding to several of Genera's Incentive Metrics.

On January 27, 2026, LUMA submitted a Motion titled *Motion Submitting the Quarterly Report on System Data for October through December 2025, in Compliance with December 19, 2025 Resolution and Order and Request for Confidential Treatment* (LUMA's January 2026 Submission). LUMA requested the Energy Bureau modify the data reporting template to include the new Circo One Salinas solar generation facility as a subgroup in the following metrics: Number of curtailed hours from RPS-eligible capacity, Average capacity factor of RPS eligible capacity and Generation from RPS eligible PPOA's (by unit).

On January 27, 2026, Genera submitted a Motion titled Motion in Compliance with Resolutions and Orders Dated December 19, 2025 and January 9, 2026. Genera submitted several exhibits with underlying data and supporting workpapers ("Genera's January 2026 Submission").

On March 16, 2026, the Energy Bureau issued a Resolution and Order ("March 16 Resolution") in which it determined Genera's January 2026 Submission did not fully meet the requirements of the December 19 Resolution and ordered Genera to resubmit FY2025 supporting data and workpapers and to respond to several Requirements of Information. The Energy Bureau also determined that starting with the FY2026 Q3 report, Genera must submit its own quarterly performance metric submission separately from LUMA.

III. Alignment of Genera Quarterly Report Metrics with Performance Incentive Metrics

The Energy Bureau intends to use this docket to collect additional information on areas of Genera's performance that have a direct impact on the incentives that Genera will receive per its LGA OMA. For this reason, the Energy Bureau finds it necessary to align the performance metrics reported on in this docket with the performance incentive metrics in the LGA OMA. The Energy Bureau made multiple updates to the metrics reporting template to enable this data collection, as discussed below.

A. Equivalent Availability Factor

Genera currently reports plant availability metrics by plant and for the system. In Exhibit A to its June 5 Motion,[2] Genera stated it uses the following methodology for Plant availability:

$$\text{Equivalent Availability} = \frac{\text{Available Hours (AH)} - \text{Equivalent Outage Hours (EOH)}}{\text{Month Period Hours}} \times 100$$

Based on its review of plant availability workpaper submitted as Exhibit 4 to Genera's December 27 Motion, the Energy Bureau understands Genera's current plant availability calculation methodology is consistent with the definition of Equivalent Availability Factor (EAF) in the LGA OMA. Genera is eligible to receive incentive for EAF performance for Baseload and Peaking Units above the Performance Target. Therefore, the Energy Bureau added to the data template two metrics: "Equivalent Availability Factor for Baseload Units" and "Equivalent Availability Factor for Peaking Units". The Energy Bureau **ORDERS** Genera to begin reporting on these metrics in its next Quarterly Report, consistent with the definition in the LGA OMA.

B. OSHA Metrics

Genera currently reports several safety metrics in accordance with standard OSHA definitions. These include OSHA DART Rate, OSHA Severity Rate, OSHA Recordable Rate, and OSHA Fatality Rate. The LGA OMA includes several performance incentive metrics that are similar, but are based on the total number of incidents, rather than a rate. Therefore, the Energy Bureau added several metrics to the template, including OSHA Loss Time Incidents, OSHA Recordable Injuries or Illnesses, and OSHA Fatalities or Severe Injuries. For each

[2] Refer to GPR-PREB-NEPRMI20190007-2020602 (4)

metric, Genera should report the monthly number of incidents. The Energy Bureau **ORDERS** Genera to begin reporting on these metrics in its next Quarterly Report.

C. Operation Cost Efficiency

Genera does not currently report a metric that is consistent with how the LGA OMA defines the Operation Cost Efficiency performance metric. Genera currently reports operational expenses versus budget on a fiscal-year-to-date (FYTD) basis by system, labor, and non-labor expenses. Genera also reports capital expenses versus budget on a FYTD basis by System, NME, federally-funded, and non-federally funded expenses. The LGA OMA defines the Operation Cost Efficiency performance metric as actual expenditures as a percentage of the approved Operating Budget, which includes labor operating expenses, non-labor operating expenses, necessary maintenance expenses,[3] and generation and maintenance reserve fund.

The Energy Bureau added a new metric "Operation Cost Efficiency" to track actual expenditures versus the approved Operating Budget, consistent with the LGA performance metric.

The Energy Bureau also notes that Genera is not currently reporting on the generation maintenance reserve fund in its quarterly reports. Therefore, the Energy Bureau added a Capital expenses vs. budget (FYTD) row to the data template with subgroup "Maintenance reserve fund." Genera **MUST** include the maintenance reserve in its calculation of the capital expenses vs budget - Non-federally funded metric. Finally, the Energy Bureau no longer requires Genera to report on Capital expenses vs. budget (FYTD) – System, since the capital expense vs budget (FYTD) federally funded and non-federally funded rows provide sufficient insight into Genera's capital expenditures for the system.

D. Other Additional Metrics

The Energy Bureau added several other incentive metrics to the Genera reporting template including:

- **Number of Consent Decrees Violations**: Genera should report on the monthly number of Violation of Consent Decrees
- **Number of Notice of Violations (NOVs)**: Genera should report on the monthly number of Notice of Violations
- **Reporting Obligations:** Genera should report the number of periods of fifteen (15) sequential days in which it fails to respond to Administrator in the month.
- **Decommissioning Costs Efficiency (FYTD)**: Genera should calculate this metric according the definition in the LGA OMA and report values on a fiscal-year-to-date basis. Genera **MUST** also submit supporting workpapers **annually** with actual and budgeted decommissioning expenses for each project.
- **Fuel Optimization (FYTD):** Genera should report its estimate of Actual Fuel Savings achieved for the current approved initiatives in Genera's Fuel Optimization Plan, in dollars, for the fiscal year to date. Genera **MUST** also submit supporting workpapers **quarterly** that support the cost savings achieved by each initiative approved by the Energy Bureau.

[3] These expenses are captured in the Capital expenses vs budget (FYTD) – Non-Federally funded metric.

E. Reporting of Historical Data

For each of the newly added metrics, the Energy Bureau **ORDERS** Genera to begin reporting on these metrics in their next quarterly filing. Additionally, the Energy Bureau **ORDERS** Genera to report historical monthly values starting with July 2023. Genera should report historical values for all new metrics and any metrics for which the methodology has changed since the values were reported, including the capital expenses vs budget - Non-federally funded metric.

IV. Addition of System Reliability Metrics

In its May 16 Resolution, the Energy Bureau discussed the current reliability metrics reported by LUMA and noted its intent to add several metrics to the reporting template to increase transparency around the actual system reliability customers are experiencing. The Energy Bureau welcomed feedback from LUMA and Genera on the additional reliability metrics and required LUMA and Genera to submit responses to several Requirements of Information.

In its June 5 Response to the Energy Bureau's May 16 Resolution, LUMA confirmed that it calculates SAIDI and SAIFI in accordance with IEEE Standard 1366-2012 and excludes major event days (MEDs)[4] and catastrophic events, planned interruptions, momentary interruptions, and interruptions caused by generation events.[5] LUMA reported it excludes 12 cause codes from its SAIDI and SAIFI calculations, listed in the table below.

Outage Cause Codes Excluded from Reliability Metric Calculations

Cause Code	Description
Automatic Load Shed	Load shedding due to generation deficiency
Load shed (Contingency)	This interruption occurs when there is an overload on the transmission line or a deficiency in generation, and the Distribution Operation Center (DOC) chooses to open breakers to reduce load.
Load Shed (Planned)-Generation	List of feeders (Block of load) to remove the load needed to balance the system.
Load Shed (Planned)-Transmission	List of feeders (Block of load) to remove the load needed to balance the system.
Major Storm/ Earthquake	This code is determined by DOC and is applied exclusively to hurricanes, tropical storms, or major earthquakes. These interruptions are excluded from metrics but are analyzed as part of a major event.
Planned Interruption – Customer Request	Describes a scenario where a customer proactively requests a temporary power outage to facilitate specific work or safety measures on their property, with the interruption being scheduled and coordinated with the electricity provider.
Planned Interruption – Distribution	This is an interruption created to perform a planned correction. It requires a request and must be planned at least 5 days in advance. A procedure and System Ops approval are needed.
Planned Interruption – Transmission	A deliberate and coordinated outage of part of the high-voltage grid to facilitate essential work that ultimately contributes to the reliability, safety, and long-term viability of the bulk power delivery system.
Planned Interruption due to Emergency – Distribution	Utility deliberately schedules and implements a power outage in the local distribution network as a necessary safety precaution or to limit the damage and consequences of an impending or ongoing emergency. While "planned," the underlying cause is an urgent and potentially dangerous situation.

[4] MEDs are defined as days in which the SAIDI value exceeds the Tmed threshold. LUMA explained that it calculates the Tmed threshold following methodology outlines in IEEE Standard 1366-2012. See REFI-LUMA-MI-2019-0007-20250516-PREB-Attachment A-2.

[5] See RFI-LUMA-MI-2019-0007-20250516-PREB-Attachment A-1

Cause Code	Description
Planned Interruption Due to Emergency – Transmission	Strategy to deliberately interrupt the flow of high-voltage electricity to prevent a larger, more catastrophic failure or to safeguard the system and public during a severe emergency. These actions are taken when the risks of not interrupting the system outweigh the risks of the planned outage itself.
Planned Preventive Repair	The Preventive Repair Interruption is used to carry out scheduled work aimed at preventing critical situations and cannot wait more than 48 hours to be carried out.
Raise/Lower Service Transformer Tap	The interruption is performed in a controlled manner to adjust the tap changer and correct voltage situations.

Upon further consideration and review of the information submitted by LUMA and Genera in response to the Energy Bureau's May 16 Resolution, the Energy Bureau **DETERMINES** it appropriate to add the following reliability metrics to the data reporting template.

- **Unit generation shortfall load shed events**: The number of monthly load shed events due to generation shortfall.
- **Unit performance load shed events**: The number of monthly load shed events due to unit performance.
- **Monthly SAIDI (Generation) – System**: Calculated as the sum of total customer minutes interrupted due to load-shed events (including, automatic, planned, and contingency) divided by the total number of customers served.
- **Monthly SAIFI (Generation) – System** Calculated as the sum of total customers interrupted due to load-shed events (including, automatic, planned, and contingency) divided by the total number of customers served.
- **Monthly SAIDI (T&D Unnormalized) – System** Calculated using the same methodology as Monthly SAIDI (T&D) – System metric, but includes MEDs and catastrophic events.
- **Monthly SAIFI (T&D Unnormalized) – System** Calculated using the same methodology as Monthly SAIDI (T&D) – System metric, but includes MEDs and catastrophic events.
- **Monthly SAIDI (T&D All-in) – System** Calculated using the same methodology as Monthly SAIDI (T&D) – System metric, but includes all T&D-related outages, including MEDs, catastrophic events, planned outages, and momentary outages.
- **Monthly SAIFI (T&D All-in) – System** Calculated using the same methodology as Monthly SAIFI (T&D) – System metric, but includes all T&D-related outages, including MEDs, catastrophic events, planned outages, and momentary outages.

The Energy Bureau **ORDERS** LUMA to begin reporting on these additional metrics, beginning with its next quarterly submission. LUMA **SHALL** report values for the months covered in the quarterly submission and for all prior months in FY2026.

V. Additional Template Changes

The Energy Bureau added several additional metrics to the template, per LUMA's requests in its July 2025 and January 2026 Submissions, including:

- **Ciro One Salinas:** The Energy Bureau added the Circo One Salinas solar generation facility as a subgroup for the following metrics: Number of curtailed hours from RPS-eligible capacity, Average capacity factor of RPS eligible capacity and Generation from RPS eligible PPOA's (by unit).
- **Percent of Customers on AMI:** The Energy Bureau added rows to cover all 80 municipalities.

VI. Conclusion

Because Genera will be submitting separate submissions from LUMA for all subsequent quarterly reports, the Energy Bureau determined it necessary to split the quarterly reporting template into two separate files. The Energy Bureau **ISSUES** the T&D quarterly data template provided as Attachment A and the Generation quarterly data template provided as Attachment B.

The Energy Bureau **ORDERS** LUMA and Genera to populate and use the T&D and Generation data templates issues in this Resolution for all future quarterly report submissions, starting with the FY 2026 Q3 data to be submitted on or before April 20, 2026.

The Energy Bureau **ORDERS** LUMA and Genera to populate the methodology tab of the data templates for all new metrics. The methodology description should include a description of the data sources, calculations, and key assumptions associated with each metric. Additionally, LUMA and Genera **SHALL** review the "Definitions" sheet of the reporting template and confirm the definitions in English and Spanish are accurate. If changes are needed, LUMA or Genera should include its recommended changes for the Energy Bureau's consideration in the motion accompanying its quarterly report submission.

Be it notified and published.

Edison Avilés Deliz
Chairman

Lillian Mateo Santos
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 April 2, 2026. I also certify that on April 2, 2026. Associate Commissioners Ferdinand A. Ramos Soegaard and Sylvia B. Ugarte Araujo did not intervene. I have proceeded with the filing of the Resolution and Order issued by the Puerto Rico Energy Bureau and a copy was notified by electronic mail to margarita.mercado@us.dlapiper.com, Yahaira.delarosa@us.dlapiper.com; katiuska.bolanos-lugo@us.dlapiper.com; mvalle@gmlex.net; nzayas@gmlex.net; rcruzfranqui@gmlex.net; alexis.rivera@prepa.pr.gov; hrivera@jrsp.pr.gov, jfr@sbgblaw.com, legal@genera-pr.com; regulatory@genera-pr.com; sromero@ecija.com; jdiaz@ecija.com.

I sign this in San Juan, Puerto Rico, today April 2, 2026.

Sonia Seda Gaztambide
Clerk

NEGOCIADO DE ENERGÍA DE PUERTO RICO
NEPR
JUNTA REGLAMENTADORA DE SERVICIO PÚBLICO

Attachment A. T&D Quarterly Reporting Template

See file "LUMA Resumen-Metricas-Master_March2026.xlsx"

Attachment B. T&D Quarterly Reporting Template

See file "Genera Resumen-Metricas-Master_March2026.xlsx"