

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

**NEPR**

**Received:**

**Dec 8, 2021**

**6:45 PM**

**IN RE: PROCESS FOR THE ADOPTION OF  
REGULATION FOR DISTRIBUTION  
RESOURCE PLANNING**

**CASE NO. NEPR-MI-2019-0011**

**SUBJECT:**

Submission of Presentation for Compliance  
Hearing.

**MOTION SUBMITTING PRESENTATION FOR COMPLIANCE HEARING**

**TO THE PUERTO RICO ENERGY BUREAU:**

**COMES NOW, LUMA ENERGY SERVCO, LLC (“LUMA”)**, through the undersigned legal counsel and respectfully states and submits the following:

1. In a Resolution and Order of December 31, 2020 (“December 31<sup>st</sup> Resolution and Order”), this honorable Puerto Rico Energy Bureau (“Energy Bureau”) initiated procedures for LUMA and the Puerto Rico Electric Power Authority (“PREPA”) to complete three tasks. *See* Resolution and Order of December 31, 2020, pages 8-10. The first task assigned to PREPA was to create voltage level maps by May 31, 2021. The second task involved the creation of preliminary maps of interconnection capacity and was completed on September 30, 2021. Finally, the third task consists of completing an inventory of the power grid. *See id.*

2. On October 1, 2021, in compliance with the December 31<sup>st</sup> Resolution and Order, LUMA informed this Energy Bureau that as of September 30, 2021, the interconnection capacity maps have been available for use by any customers or DG developers on the lumapr.com website. (“October 1<sup>st</sup> Motion”).

3. As Exhibit 1 to October 1<sup>st</sup> Informative Motion, LUMA submitted both in the English and Spanish languages, a guide for users accessing and navigating the interconnection capacity maps.

4. As set forth in the December 31<sup>st</sup> Resolution and Order, this Energy Bureau has held three compliance hearings in this proceeding. The latest compliance hearing was held on October 12, 2021.

5. During the compliance hearing of October 12, 2021, Associate Commissioner Lillian Mateo Santos recommended that LUMA include in the interconnection maps, the date when the maps were last published.

6. On October 15, 2021, in accordance with the recommendations of Associate Commissioner Lillian Mateo Santos, LUMA submitted a rendering of the update interconnection capacity maps, showing the fields where LUMA added the date when the maps were last published. *See* Exhibit 1 of October 15<sup>th</sup> Motion.

7. A compliance hearing is set for December 13, 2021.

8. In accordance with that portion of the December 31<sup>st</sup> Resolution and Order that set a compliance hearing for December 13, 2021 and directed that copies of the presentation to be offered shall be filed at least three days prior to each hearing, LUMA hereby submits its presentation for the December 13<sup>th</sup> compliance hearing, entitled “Plan for Distribution System Interconnection Capacity Map & Power System Inventory-Compliance Hearing,” Case NEPR-MI-2019-0011, December 13, 2021. *See* Exhibit 1. The presentation includes the overall status of the three orders issued in the December 31<sup>st</sup> Resolution and Order, *see* Exhibit 1, slide 3, explanations on the status of Order 3, *see id.*, slides 4-8, and the timeline as of December 6, 2021, of the Pre-Engineering Request for Proposals (RFP), including the projected timeframe for

execution of the Field Inventory and Health Assessment, Data Entry and Close Out and completion of the project, *see id*, slide 9.

**WHEREFORE**, LUMA respectfully requests that the Energy Bureau **accept** and **consider** the Power Point presentation in pdf format that is submitted as Exhibit 1 to this Motion; **allow** LUMA to offer the same at the compliance hearing scheduled for December 13, 2021; **accept** the timeline for Order 3 included in slide 9 of Exhibit 1; and **deem** that LUMA complied with December 31<sup>st</sup> Order.

**RESPECTFULLY SUBMITTED.**

In San Juan, Puerto Rico, this 8<sup>th</sup> day of December 2021.

I hereby certify that I filed this motion using the electronic filing system of this Energy Bureau and that I will send an electronic copy of this motion to the attorneys for PREPA, Joannely Marrero-Cruz, [jmarrero@diazvaz.law](mailto:jmarrero@diazvaz.law); and Katuska Bolaños-Lugo, [kbolanos@diazvaz.law](mailto:kbolanos@diazvaz.law). Notice will also be sent to the Office of the Independent Consumer Protection Office, Lcda. Hannia Rivera Diaz, [hrivera@jrsp.pr.gov](mailto:hrivera@jrsp.pr.gov).



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*Exhibit 1*

Presentation for Compliance Hearing of December 13, 2021






# Plan for Distribution System Interconnection Capacity Map & Power System Inventory – Compliance Hearing




NEPR-MI-2019-0011  
December 13, 2021

# Agenda

- Overall Status
- Status Updates by Order
  - Order 2: Preliminary maps of interconnection capacity
  - Order 3: Power grid inventory
- Pre-Engineering RFP Updates

# Overall Status

	On track, no risk
	On track, some risk but manageable
	Delayed, high risk identified

Order	Overall Status	Risks	Next Steps
<b>Order 1 – Voltage Level Maps</b>		Complete	None
<b>Order 2 – Preliminary Maps of Interconnection Capacity</b>		1 <sup>st</sup> publication - Complete 2 <sup>nd</sup> publication - In Progress	None Data analysis in progress.
<b>Order 3 – Power Grid Inventory</b>		Information gaps have been discovered relating to DGs and backup generation. The team is exploring options to fill this gap	<ul style="list-style-type: none"> <li>For items requiring multi-year data collection: proceed with inspections (substations) and procurement (line asset data).</li> <li>For DGs: Develop plan to solicit backup generation information for industrial and institutional customers.</li> </ul>

## Order 3: Power Grid Inventory

As a reminder, Order 3 has 10 related sub-projects, each following this framework:



- **Assess available data:** Assess the availability of data in existing systems.
- **Define archiving system:** Determine how the data should be stored to accomplish this order (e.g., a GIS field, a database, etc.). Create the necessary templates and frameworks.
- **Assemble available data:** For data available in existing systems, collect and input it into the selected storage method.
- **Collect unavailable data:** For data that is not available, create a plan to collect it. Where there are synergies, align with other existing data collection efforts.



# Order 3: Power Grid Inventory

## Highlights – Assembling and Collecting Data

#	Data	Assess Data Avail.	Define Archiving	Assemble Avail. Data	Collect Unavailable Data	Next Steps (Assembling / Collecting Data)
a	Geographic position of circuits and service transformers	Complete	Complete	Not applicable	Aligned with field data project	Data to be collected during field verification initiative.
b	Availability of SCADA visibility	Complete	Complete	Complete	Not applicable	None.
c	Availability of data about load profiles	Complete	Complete	Complete	Not applicable	None.

# Order 3: Power Grid Inventory

## Highlights – Assembling and Collecting Data

#	Data	Assess Data Avail.	Define Archiving	Assemble Avail. Data	Collect Unavailable Data	Next Steps (Assembling / Collecting Data)
d	Identifica- tion of DERs	Complete	Complete	In progress	In progress	DERs: Consolidating data sources and assessing missing data. Backup generation: Reached out to industrial and institutional customers to solicit backup generation information. In process of receiving responses. To be completed by Q1-2022.
e	Typical daily profile of DERs	Complete	Complete	Complete	Not applicable	None.
f	Transformer state and remaining life	Complete	Complete	Not applicable	Aligned with field data project	Data to be collected during field verification initiative. Useful life calculations to follow.

# Order 3: Power Grid Inventory

## Highlights – Assembling and Collecting Data

#	Data	Assess Data Avail.	Define Archiving	Assemble Avail. Data	Collect Unavailable Data	Next Steps (Assembling / Collecting Data)
g	Technical and non-technical losses	Complete	In progress	In progress	In progress	Technical: Rudimentary calculations complete. Non-technical: A pilot calculation per substation in progress; it will allow test data and methodology.
h	Physical and cyber vulnerabilities at substations	Complete	Complete	Not applicable	Aligned with field data project	Checklists created to be used during substation inspections. Physical assessments to be carried out 2021 – 2023, in progress. Cyber assessments to be carried out 2021 – 2025, beginning later this year.

# Order 3: Power Grid Inventory

## Highlights – Assembling and Collecting Data

#	Data	Assess Data Avail.	Define Archiving	Assemble Avail. Data	Collect Unavailable Data	Next Steps (Assembling / Collecting Data)
i	Feeders with critical loads, priority loads, needing supplementary studies	Complete	Complete	Complete	Not applicable	Critical and priority loads complete. List of supplementary studies present and will be further updated as time goes by.
j	Location, state, joint use status of poles	Complete	Complete	Not applicable	Aligned with field data project	Data to be collected during field verification initiative.

# Pre-Engineering RFP

Projected Timeline (as of 6 Dec 2021)

MILESTONE / ACTIVITY	START DATE	END DATE	STATUS
Procurement Process for New RFP Issuance	11 Jun 2021	9 Aug 2021	Complete
Bid Process Out to Public	10 Aug 2021	21 Oct 2021	Complete
Scope Addendum Posted (Office Validation)	23 Sep 2021	23 Sep 2021	Complete
Proposal Submissions Due / Bids Close	21 Oct 2021	21 Oct 2021	Complete
Evaluation & Questions to Proponents	22 Oct 2021	4 Nov 2021	Complete
Proponents Respond to Questions	5 Nov 2021	11 Nov 2021	Complete
Evaluation & Short List Selection	12 Nov 2021	18 Nov 2021	Complete
Shortlist Presentations, Best and Final Offer, Select Proponent	19 Nov 2021	10 Dec 2021	In progress
Prepare and Approve Bid Award Document & Contract	10 Dec 2021	24 Dec 2021	Not started
Review and Approve Contract (Vendor)	24 Dec 2021	14 Jan 2022	Not started
Obtain P3A and FOMB Approval (*)	14 Jan 2022	21 Feb 2022	Not started
Send Contract to Vendor, Counter Execution, Facilitate Execution of Contract	21 Feb 2022	23 Feb 2022	Not started
Mobilization & Safety Training	24 Feb 2022	28 Mar 2022	Not started
Execution of Field Inventory and Health Assessment	28 Mar 2022	31 Dec 2024	Not started
Data Entry (Collected Data)	28 Mar 2022	4 Feb 2025	Not started
Close Out	5 Feb 2025	18 Mar 2025	Not started

(\*) This schedule allows 7 days to prepare the P3A and FOMB package, and 30 days for P3A and FOMB approval.





Thank you

