

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

**IN RE:** REVIEW OF THE PUERTO RICO  
ELECTRIC POWER AUTHORITY'S 10-YEAR  
INFRASTRUCTURE PLAN – DECEMBER  
2020

**CASE NO.:** NEPR-MI-2021-0002

**SUBJECT:** Motion to Submit Updated List of  
Projects and Thirty-Eight Scopes of Work.

**RESOLUTION AND ORDER**

**I. Introduction**

On September 22, 2021, the Energy Bureau of the Puerto Rico Public Service Regulatory Board (“Energy Bureau”) issued a Resolution and Order (“September 22 Resolution”) through which it approved several projects presented by LUMA<sup>1</sup> that are to be submitted for federal funding approval to the Federal Emergency Management Agency (“FEMA”) and the Puerto Rico Central Office for Recovery, Reconstruction and Resiliency (“COR3”).

On October 4, 2021, LUMA filed before the Energy Bureau a document titled *Motion Submitting Updated List of Transmission and Distribution Projects and Thirty-Eight Scopes of Work* (“October 4 Motion”). As Exhibit 1 to the October 4 Motion, LUMA included an updated project list, which contain the current LUMA Transmission and Distribution (“T&D”) projects and their status. Further, LUMA included as Exhibit 2 to the October 4 Motion thirty-eight Scopes of Work (“SOW”) for T&D projects for the Energy Bureau’s review and approval.

**II. Evaluation of the October 4 Motion**

Through the October 4 Motion, LUMA submitted thirty-eight (38) Project SOWs, which include twenty-six (26) SOWs for substations projects, eleven (11) SOWs for transmission projects and one (1) SOW for an IT/Telecom project. These SOWs comprise projects related to the repair or replacement of existing substations, repair of transmission lines and the implementation of physical security projects. As part of the SOWs, LUMA included a Class 5 Cost Estimate for each project, which details materials, construction, labor and equipment, engineering, permitting, management, and contingencies. As explained in the SOWs, said cost estimates could deviate between -50% to +100% of the final project cost.

As part of the information provided by LUMA, substation projects are intended for the replacement of distribution metal-clad switchgears and associated components. Also, several SOWs for substation projects mainly involve the design and construction of new substations to replace the functionality of existing flooded facilities. Further, as part of the

<sup>1</sup> LUMA Energy, LLC, and LUMA Energy ServCo, LLC (collectively, “LUMA”).



*[Handwritten signatures and initials in blue ink on the left margin]*

scope of work for existing transmission lines, the work will consist of the repair and restoration, or replacement of damaged elements and functionally interdependent non-damaged elements of the overhead portions of lines, as allowed by FEMA Public Assistance Alternative Procedures (Section 428). LUMA states that detailed assessments of the structures and modeling will be performed to further define the scope of work. LUMA also includes a SOW intended to provide physical security to the facilities used for the operation of the system, which will vary by facility and may include the replacement of perimeter fences, ground grids, security lighting, and alarm systems, among others.

Upon review of the October 4 Motion, the Energy Bureau **DETERMINES** that the projects presented are necessary to improve the reliability of the system. Therefore, the Energy Bureau **APPROVES** the projects in Attachment A to this Resolution and Order. The Energy Bureau notes this approval represents \$652.58 MM based on the Class 5 Cost Estimates submitted by LUMA through the October 4 Motion.<sup>2</sup>

### III. Conclusion

The Energy Bureau **APPROVES** the projects in **Attachment A** to this Resolution and Order, which shall be presented to FEMA and COR3 to finalize their approval process. The Energy Bureau approved these projects based upon the information provided by LUMA. Should the scope of the project change, LUMA **SHALL** immediately seek the Energy Bureau's approval of such changes.

The Energy Bureau **ORDERS** LUMA to (i) submit to the Energy Bureau copy of the approval by COR3 and/or FEMA of the projects in Attachment A, which shall contain the costs obligated for each project, **within ten (10) days of receipt of such approval**; (ii) provide the Energy Bureau the actual contracted cost to construct each project in attachment A, **within ten (10) days from the execution of the contract**; and (iii) inform the Energy Bureau once the projects are completed.

The directive established in the March 26 Resolution regarding the submission of projects before the Energy Bureau at least thirty (30) calendar days before submitting such projects to FEMA and/or COR3 remains unaltered.

Be it notified and published.



<sup>2</sup> The Energy Bureau has approved a total of \$9,062.54 = \$8,409.96 + \$652.58 MM up to date based on the Class 5 Cost Estimates submitted by PREPA and LUMA as part of this process.

Edison Avilés Deliz  
Chairman

Ángel R. Rivera de la Cruz  
Associate Commissioner

Lillian Mateo Santos  
Associate Commissioner

Ferdinand A. Ramos Soegaard  
Associate Commissioner

Sylvia B. Ugarte Araujo  
Associate Commissioner

**CERTIFICATION**

I hereby certify that the majority of the members of the Puerto Rico Energy Bureau has so agreed on October 18, 2021. I also certify that on October 18, 2021 a copy of this Resolution and Order was notified by electronic mail to the following: laura.rozas@us.dlapiper.com; margarita.mercado@us.dlapiper.com, kbolanos@diazvaz.law; mvazquez@diazvaz.law. I also certify that today, October 18, 2021, I have proceeded with the filing of the Resolution and Order issued by the Puerto Rico Energy Bureau.

For the record, I sign this in San Juan, Puerto Rico, today October 18, 2021.

Sonia Seda Gaztambide  
Clerk



**Attachment A**  
**Projects Approved by the Energy Bureau**

SOW No.	Category	Project	Feeder #/Line #	Voltage (kV)	Qty of Feeders /Lines	Class 5 Cost Estimate (Millions)	Comments
1	Substations	Baldrich - 1422	N/A	N/A	N/A	\$ 10.50	Approved as Requested.
2	Substations	Condado - 1133	N/A	N/A	N/A	\$ 10.60	Approved as Requested.
3	Substations	Crematorio - 1512	N/A	N/A	N/A	\$ 10.60	Approved as Requested.
4	Substations	Egozcue - 1109	N/A	N/A	N/A	\$ 10.50	Approved as Requested.
5	Substations	Esc. Industrial M. Such - 1423	N/A	N/A	N/A	\$ 10.60	Approved as Requested.
6	Substations	Fonalledas GIS Rebuilt 1401 1421	N/A	N/A	N/A	\$ 31.40	Approved as Requested.
7	Substations	Guaynabo Pueblo Substation	N/A	N/A	N/A	\$ 17.20	Approved as Requested.
8	Substations	Santurce Planta (Sect) 1116	N/A	N/A	N/A	\$ 9.90	Approved as Requested.
9	Substations	Arecibo Pueblo 8002 Relocation	N/A	N/A	N/A	\$ 17.10	Approved as Requested.
10	Substations	Bayview Sectionalizer 1802 Relocation	N/A	N/A	N/A	\$ 16.70	Approved as Requested.
11	Substations	Charco Hondo 8008 Relocation	N/A	N/A	N/A	\$ 16.30	Approved as Requested.
12	Substations	Pámpanos Relocation	N/A	N/A	N/A	\$ 16.30	Approved as Requested.
13	Substations	San Jose Relocation	N/A	N/A	N/A	\$ 17.00	Approved as Requested.



SOW No.	Category	Project	Feeder #/Line #	Voltage (kV)	Qty of Feeders /Lines	Class 5 Cost Estimate (Millions)	Comments
14	Substations	Caparra 1911 & 1924	N/A	N/A	N/A	\$ 6.60	Approved as Requested.
15	Substations	Tallaboa 5402	N/A	N/A	N/A	\$ 6.90	Approved as Requested.
16	Substations	Parques y Recreos - 1002	N/A	N/A	N/A	\$ 7.70	Approved as Requested.
17	Transmission	Line 36200 Fajardo to Rio Blanco	36200	115	1	\$ 44.31	Approved as Requested.
18	Substations	Puerto Nuevo - 1520	N/A	N/A	N/A	\$ 10.60	Approved as Requested.
19	Transmission	Line 1200 Mayaguez GP to Yauco 2 HP	1200	38	1	\$ 55.37	Approved as Requested.
20	Transmission	Line 600 Caguas TC to Gautier Benitez Sect.	600	38	1	\$ 10.11	Approved as Requested.
21	Transmission	Line 2400 Dos Bocas HP to America Apparel	2400	38	1	\$ 21.47	Approved as Requested.
22	Transmission	Line 1500 Mayagüez GP to GOAB 1515	1500	38	1	\$ 58.61	Approved as Requested.
23	Transmission	Line 6700 Martin Peña TC to Villamar Sect.	6700	38	1	\$ 6.01	Approved as Requested.
24	Transmission	Line 4000 Comerío HP to Escuela Francisco Morales	4000	38	1	\$ 22.33	Approved as Requested.
25	Transmission	Line 9100 Guaragao TC to Bayamon Pueblo Sect.	9100	38	1	\$ 5.05	Approved as Requested.
26	Transmission	Line 9700 Palo Seco SP to Bay View Sect.	9700	38	1	\$ 2.32	Approved as Requested.
27	Transmission	Line 11100 Canóvanas Sect. to GOAB 11115	11100	38	1	\$ 3.79	Approved as Requested.



SOW No.	Category	Project	Feeder #/Line #	Voltage (kV)	Qty of Feeders /Lines	Class 5 Cost Estimate (Millions)	Comments
28	Transmission	Line 11400 Barceloneta TC to Florida TO	11400	38	1	\$ 13.81	Approved as Requested.
29	Substations	Berwind TC - 1336	N/A	N/A	N/A	\$ 13.40	Approved as Requested.
30	Substations	Caguas TC	N/A	N/A	N/A	\$ 2.50	Approved as Requested.
31	Substations	Canas TC	N/A	N/A	N/A	\$ 1.70	Approved as Requested.
32	Substations	Acacias 6801 TC Relocation	N/A	N/A	N/A	\$ 29.10	Approved as Requested.
33	Substations	Cambalache TC Relocation	N/A	N/A	N/A	\$ 30.70	Approved as Requested.
34	Substations	Dorado TC Relocation	N/A	N/A	N/A	\$ 40.10	Approved as Requested.
35	Substations	Monacillo TC	N/A	N/A	N/A	\$ 1.00	Approved as Requested.
36	Substations	Victoria TC 7008	N/A	N/A	N/A	\$ 5.50	Approved as Requested.
37	Substations	Conquistador - CH	N/A	N/A	N/A	\$ 5.10	Approved as Requested.
38	IT/Telecom	Physical Security	N/A	N/A	N/A	\$ 53.80	Approved as Requested.
<b>TOTAL</b>						<b>\$ 652.58</b>	

