

**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 submitting List of Projects  
and Twenty-Eight Scopes of Work; Motion  
Submitting Amended List of Projects.

**RESOLUTION AND ORDER**

**I. Introduction**

On June 8, 2021, the Energy Bureau of the Puerto Rico Public Service Regulatory Board (“Energy Bureau”) issued a Resolution and Order in this proceeding whereby it approved sixty-five (65) projects submitted by the Puerto Rico Electric Power Authority (“PREPA”) for consideration by the Energy Bureau in connection with the Revised 10-Year Infrastructure Plan<sup>1</sup> (“June 8 Approval Resolution”). The projects had been submitted to the Federal Emergency Management Agency (“FEMA”) and the Puerto Rico Central Office for Recovery, Reconstruction and Resiliency (“COR3”) for approval. The Energy Bureau determined that project approval was based on the information provided by PREPA and should the scope of the project change, PREPA or LUMA<sup>2</sup> shall immediately seek the Energy Bureau’s approval of such changes.

On July 6, 2021, LUMA and PREPA filed before the Energy Bureau a document titled *Joint Motion Submitting Updated 10-Year Infrastructure Work Plan* (“July 6 Motion”). Through the July 6 Motion, LUMA and PREPA included as Exhibit 1 an updated version of the 10-year infrastructure workplan, which was prepared and submitted to FEMA and COR3 to comply with a 90-day update cycle requirement (“June 2021 Revised 10-Year Plan”).

On July 8, 2021, LUMA filed before the Energy Bureau a document titled *Motion Submitting List of Projects and Twenty-Eight Scopes of Work* (“July 8 Motion”). Through the July 8 Motion, LUMA submitted as Exhibit 1 a list of Transmission and Distribution (“T&D”) projects with their updated status. As part of Exhibit 1, LUMA presented a total of 140 projects, some of which have already been approved by the Energy Bureau, some are awaiting approval, and some are under its planning phase. Further, as part of the July 8 Motion, LUMA filed twenty-eight (28) Scopes of Work (“SOW”) of T&D projects for the Energy Bureau’s approval.

<sup>1</sup> See Motion Submitting March 2021 Revised 10-Year Infrastructure Plan, In Re: Review of the Puerto Rico Electric Power Authority’s 10-Year Infrastructure Plan – December 2020, Case No. NEPR-MI-2021-0002, March 19, 2021.

<sup>2</sup> LUMA Energy, LLC, and LUMA Energy ServCo, LLC (collectively, “LUMA”).



*[Handwritten signatures in blue ink, including 'M', 'J', and 'S']*

On July 9, 2021, LUMA and PREPA filed a document titled *Joint Motion Submitting Redline Version of Updated 10-Year Infrastructure Work Plan* ("July 9 Motion"). LUMA submitted a redline version of the June 2021 Revised 10-Year Plan.

On the same date, LUMA filed a document titled *Motion Submitting Amended List of Projects* ("Amended List of Projects"). LUMA submitted as Exhibit 1 an amended list of T&D projects with a revised grouping of projects. As part of the Amended List of Projects, LUMA included one hundred and thirty nine (139) projects, including thirty seven (37) projects already approved by the Energy Bureau, one (1) project approved by the Energy Bureau that was moved to the mid-term project list, and one hundred and one (101) projects that will require future approval from the Energy Bureau.

## II. Evaluation of the July 8 Motion

Through the July 8 Motion, LUMA submitted twenty-eight (28) Project SOWs which contemplate one hundred and forty (140) projects. These SOWs comprise projects related to the repair of existing transmission lines and distribution feeders. 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, it will perform detailed assessments to help define the scope of restoration to comply with consensus-based codes and standards. Regarding distribution feeders, LUMA states that feeders will also undergo comprehensive distribution modeling, analysis, and simulation to validate planning criteria. Further, as part of the scope of work for existing transmission lines, LUMA states that 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 the lines, as allowed by FEMA Public Assistance Alternative Procedures (Section 428).

There are three (3) SOWs with the same LUMA Project Identification number. These SOWs are: (i) Distribution Feeders - Carolina Short Term Group 2; (ii) Distribution Feeders - Mayagüez Short Term Group 2; and (iii) Distribution Feeders - Caguas Short Term Group 7. LUMA **SHALL** revise and correct the Project Identification number for these SOWs.

Upon review of the July 8 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 \$1,789.58 MM based on the Class 5 Cost Estimates submitted by LUMA through the July 8 Motion.<sup>3</sup>

<sup>3</sup> The Energy Bureau has approved a total of \$3,030.35 MM = \$1,240.77 MM + \$1,789.58 MM up to date based on the Class 5 Cost Estimates submitted by PREPA and LUMA as part of this process.



**III. Conclusion**

The Energy Bureau **APPROVES** the projects included as part of the **Attachment A** to this Resolution and Order which shall be presented to FEMA and COR3 to finalize its approval process. These projects were approved based on 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** PREPA 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 approved in the 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 instated in the March 26 Resolution related to 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 and applies equally to LUMA.

Be it notified and published.

  
\_\_\_\_\_  
Edison Avilés Deliz  
Chairman

  
\_\_\_\_\_  
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 August 20, 2021. Associate Commissioner Ángel R. Rivera de la Cruz did not intervene. I also certify that on August 20, 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, August 20, 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 August 20, 2021.



Sonia Seda Gaztambide  
Clerk



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

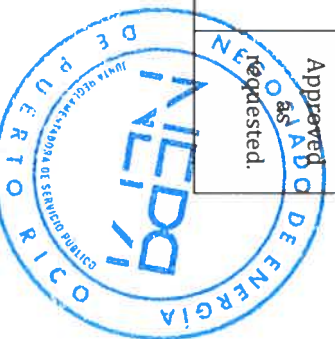
SOW No.	Category	LUMA Project ID #	LUMA Project Name	Substation	Feeder #/Line #	Voltage (kV)	Quantity of Feeders/Lines	Class 5 Cost Estimate (\$M)	Comments
1	Distribution Feeders	10007	Distribution Feeders - Arecibo Short Term Group 1	Dominguito 8010	8010-01	7.2	6	\$ 53.58	Approved as requested.
				Manatí 13.2 kV 8404	8404-03	13.2			
				Manatí 13.2 kV 8404	8404-04	13.2			
				Cruce Davila 8501	8501-02	4.16			
				Ciales 8701	8701-01	8.32			
				Ciales 8701	8701-02	8.32			
				Cana 1710	1710-01	13.2			
2	Distribution Feeders	10008	Distribution Feeders - Bayamón Short Term Group 1	Cana 1710	1710-03	13.2	7	\$ 85.00	Approved as requested.
				Cana 1710	1710-03	13.2			
				Bayamón TC 13.2kV #2 1716	1716-03	13.2			
				Crea 1717	1717-03	13.2			
				Candelaria Arenas 1718	1718-02	13.2			
				Rio Bayamón II 1720	1720-07	13.2			
				Levitown 1806	1806-02	13.2			
3	Distribution Feeders	10009	Distribution Feeders - Caguas Short Term Group 1	Humacao T.C. 2602	2602-03	8.32	6	\$ 59.85	Approved as requested.
				Verdemar 2605	2605-01	13.2			
				Naguabo 2701	2701-01	8.32			



SOW No.	Category	LUMA Project ID #	LUMA Project Name	Substation	Feeder #/Line #	Voltage (KV)	Quantity of Feeders/Lines	Class 5 Cost Estimate (\$M)	Comments
4	Distribution Feeders	10151	Distribution Feeders - Carolina Short Term Group 2	Naguabo 2701	2701-03	8.32	5	\$ 40.50	Approved as requested.
				Yabucoa Pueblo 2901	2901-03	8.32			
				Juan Martin 2906	2906-02	13.2			
				Fajardo PDS 2005	2005-10	13.2			
				Rio Grande 8KV/2301	2301-02	8.32			
				Palmer TC 2305	2305-02	13.2			
				Canóvanas Pueblo 2401	2401-01	8.32			
				Las Mercedes 2403	2403-01	8.32			
5	Distribution Feeders	10011	Distribution Feeders - Mayagüez Short Term Group 1	Alturas de Mayagüez 6012	6012-02	13.2	8	\$ 74.17	Approved as requested.
				Once de Agosto 6014	6014-02	13.2			
				Victoria 13.2 KV 7008	7008-05	13.2			
				T - Bone 7011	7011-03	13.2			
				Moca II 7104	7104-05	4.16			
				Aguada 7201	7201-02	4.16			
				Rincon 7301	7301-03	4.16			
				Atalaya 73031	7303-01	4.16			
32									



SOW No.	Category	LUMA Project ID #	LUMA Project Name	Substation	Feeder #/Line #	Voltage (kV)	Quantity of Feeders/Lines	Class 5 Cost Estimate (\$M)	Comments
6	Distribution Feeders	10012	Distribution Feeders - Ponce Short Term Group 1	Rambla 13 KV 5004	5004-06	13.2	7	\$ 40.60	Approved as requested.
				Rambla 13 KV 5004	5004-07	13.2			
				Rambla 13 KV 5004	5004-09	13.2			
				Canas T.C. 13 KV 5018	5018-03	13.2			
				Yauco Hidro II 5303	5303-01	4.16			
				Guayanilla Pueblo 5501	5501-04	4.16			
				Guanica TC 5602	5602-02	13.2			
7	Distribution Feeders	10013	Distribution Feeders - San Juan Short Term Group 1	Conquistador 1204	1204-02	13.2	7	\$ 40.69	Approved as requested.
				Conquistador 1204	1204-03	13.2			
				Conquistador 1204	1204-04	13.2			
				Conquistador 1204	1204-05	13.2			
				Vila Betina 1303	1303-01	13.2			
				Vila Betina 1303	1303-02	13.2			
				Vila Betina 1303	1303-05	13.2			
8	Distribution Feeders	10135	Distribution Feeders - Bayamón Short Term Group 3	Vega Baja 1 9001	9001-02	8.32	6	\$ 65.68	Approved as requested.
				Toa Alta 9401	9401-01	4.16			
				Barrio Pifias 9403	9403-03	4.16			

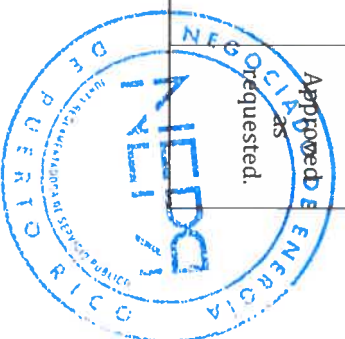


SOW No.	Category	LUMA Project ID #	LUMA Project Name	Substation	Feeder #/Line #	Voltage (kV)	Quantity of Feeders/Lines	Class 5 Cost Estimate (\$M)	Comments
50				Unibon 9501	9501-02	8.32			
				Monterrey 9502	9502-01	8.32			
				Monterrey 9502	9502-02	8.32			
53				Cataño PDS 13kV 1801	1801-01	13.2			
				Cataño PDS 13kV 1801	1801-02	13.2			
				Cataño PDS 13kV 1801	1801-03	13.2			
				Cataño PDS 13kV 1801	1801-04	13.2			
				Cataño PDS 13kV 1801	1801-05	13.2			
54				Sabana Llana 13kV #1	1646-02	13.2			
				Villamar 1657	1657-02	13.2			
				Canóvanas T.C. #1 2402	2402-02	13.2			
				Canóvanas T.C. #1 2402	2402-03	13.2			
				Canóvanas T.C. #2 2404	2404-06	13.2			
59				Once De Agosto 6001	6001-05	4.16			
				Cerro Las Mesas 6010	6010-01	4.16			
				Centro Médico 13kV 6015	6015-02	13.2			
55	Distribution Feeders	10136	Distribution Feeders - Bayamón Short Term Group 2				5	\$ 10.35	Approved as requested.
60	Distribution Feeders	10137	Distribution Feeders - Carolina Short Term Group 3				5	\$ 60.76	Approved as requested.
61									
62									
63									
64	Distribution Feeders	10151	Distribution Feeders - Mayagüez Short Term Group 2				9	\$ 108.85	Approved as requested.
65									

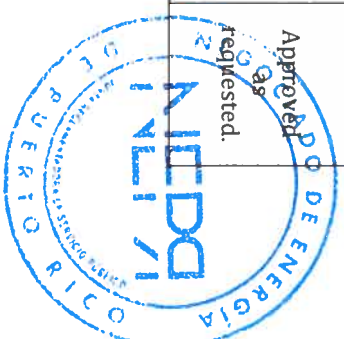




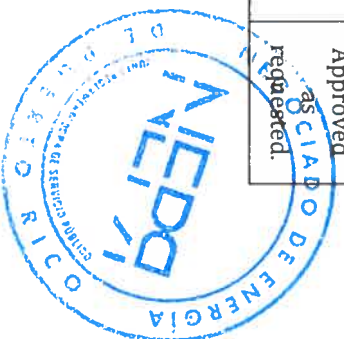
SOW No.	Category	LUMA Project ID #	LUMA Project Name	Substation	Feeder #/Line #	Voltage (kV)	Quantity of Feeders/Lines	Class 5 Cost Estimate (\$M)	Comments
12	Distribution Feeders	10140	Distribution Feeders - Mayagüez Short Term Group 3	Indera Alta 6305	6305-03	4.16	8	\$ 134.67	Approved as requested.
				Las Vegas 6306	6306-02	4.16			
				Acacias 13.2 KV 6802	6802-04	13.2			
				Acacias 13.2 KV 6802	6802-05	13.2			
				Bartolo 7902	7902-01	4.16			
				Bartolo 7902	7902-03	4.16			
				San German TC 6406	6406-02	13.2			
Lajas 6601	6601-03	7.2	Approved as requested.						
Parguera PDS 6603	6603-01	13.2							
Boqueron 6702	6702-01	7.2							
Cabo Rojo 6703	6703-01	7.2							
Combate 6704	6704-02	13.2							
Combate 6704	6704-03	13.2							
Puerto Real 6705	6705-01	7.2							
13	Distribution Feeders	10141	Distribution Feeders - Ponce Short Term Group 2	Jobos T.C. 4003	4003-01	4.16	6	\$ 42.38	Approved as requested.
				Patillas 4201	4201-01	4.16			
				Coamo Urbano 4602	4602-01	4.16			
83				Coamo PDS 4603	4603-01	13.2			



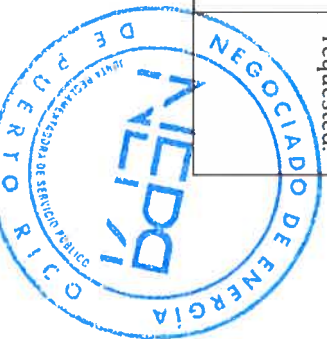
SOW No.	Category	LUMA Project ID #	LUMA Project Name	Substation	Feeder #/Line #	Voltage (KV)	Quantity of Feeders/Lines	Class 5 Cost Estimate (\$M)	Comments
14	Distribution Feeders	10142	Distribution Feeders - San Juan Short Term Group 2	Monacillos 4KV 1330	1330-01	4.16	5	\$ 10.56	Approved as requested.
				Monacillos 13KV 1346	1346-02	13.2			
15	Distribution Feeders	10146	Distribution Feeders - Caguas Short Term Group 2	Venezuela 13KV 1348	1348-06	13.2	6	\$ 111.96	Approved as requested.
				Cachete 13KV 1529	1529-15	13.2			
16	Distribution Feeders	10147	Distribution Feeders - Caguas Short Term Group 3	Grana PDS II 1909	1909-09	13.2	7	\$ 82.07	Approved as requested.
				Barranquitas 9601	9601-01	8.32			
99	Distribution Feeders	10147	Distribution Feeders - Caguas Short Term Group 3	Barranquitas 9601	9601-02	8.32	7	\$ 82.07	Approved as requested.
				Barranquitas II 9602	9602-04	8.32			
98	Distribution Feeders	10147	Distribution Feeders - Caguas Short Term Group 3	Divisoria 9901	9901-02	4.16	7	\$ 82.07	Approved as requested.
				Orocovis 9902	9902-01	8.32			
97	Distribution Feeders	10147	Distribution Feeders - Caguas Short Term Group 3	Orocovis 9902	9902-02	8.32	7	\$ 82.07	Approved as requested.
				Las Piedras 2801	2801-02	8.32			
96	Distribution Feeders	10147	Distribution Feeders - Caguas Short Term Group 3	Las Piedras 2801	2801-03	8.32	7	\$ 82.07	Approved as requested.
				Pueblito Del Rio 2803	2803-02	8.32			



SOW No.	Category	LUMA Project ID #	LUMA Project Name	Substation	Feeder #/Line #	Voltage (kV)	Quantity of Feeders/Lines	Class 5 Cost Estimate (\$M)	Comments
17	Distribution Feeders	10148	Distribution Feeders - Caguas Short Term Group 4	Juncos 3201	3201-04	4.16	5	\$ 44.71	Approved as requested.
				Juncos 2 13.2 kV 3205	3205-07	13.2			
				San Lorenzo 3301	3301-01	8.32			
				San Lorenzo II 3302	3302-02	8.32			
18	Distribution Feeders	10149	Distribution Feeders - Caguas Short Term Group 5	Caguas T.C. 3004	3004-01	8.32	6	\$ 72.35	Approved as requested.
				Caguas T.C. 13.2 kV 3006	3006-02	13.2			
				Caguas T.C. 13.2 kV 3006	3006-03	13.2			
				Caguas T.C. 13.2 kV 3006	3006-05	13.2			
19	Distribution Feeders	10150	Distribution Feeders - Caguas Short Term Group 6	Villas De Castro 3013	3013-02	8.32	6	\$ 72.65	Approved as requested.
				Cayey T.C. 3401	3401-02	8.32			
				Cayey Rural 3405	3405-01	8.32			
				Cayey Rural 3405	3405-03	8.32			
18	Distribution Feeders	10149	Distribution Feeders - Caguas Short Term Group 5	Aibonito PDS 3502	3502-02	8.32	6	\$ 72.35	Approved as requested.
				Cidra 3601	3601-02	8.32			
				Cidra 3601	3601-02	8.32			
				Cidra 3601	3601-04	8.32			
19	Distribution Feeders	10150	Distribution Feeders - Caguas Short Term Group 6	Gautier Benitez 3007	3007-03	8.32	6	\$ 72.65	Approved as requested.
				Villa Del Rey 3010	3010-01	8.32			



SOW No.	Category	LUMA Project ID #	LUMA Project Name	Substation	Feeder #/Line #	Voltage (kV)	Quantity of Feeders/Lines	Class 5 Cost Estimate (\$M)	Comments
				Gautier	3015-05	13.2			
				Benitez PDS					
				3015					
				Comerio					
				Comerio	9703-01	8.32			
				9703					
				9703					
				Comerio	9703-02	8.32			
				9703					
				9703					
				Comerio	9703-03	8.32			
				9703					
				9703					
				Gurabo 3101	3101-02	4.16			
				Gurabo PDS					
				3102					
				Veredas					
20	Distribution Feeders	10151	Distribution Feeders - Caguas Short Term Group 7	Veredas	3103-01	13.2	5	\$ 49.18	Approved as requested.
				3103					
				Veredas					
				3103					
				Veredas	3103-04	13.2			
				3103					
				3103					
				Veredas	3103-05	13.2			
				3103					
				3103					
21	Distribution Feeders	10152	Distribution Feeders - Caguas Short Term Group 8	Humacao TC	2603-08	13.2	2	\$ 23.65	Approved as requested.
				13KV 2603					
				Aguas					
				Buenas 3701					
				Las Marias	6201-01	4.16			
				6201					
				San					
				Sebastián 2	7802-04	4.16			
				7802					
				San					
22	Distribution Feeders	10153	Distribution Feeders - Mayagüez Short Term Group 4	San	7805-11	13.2	7	\$ 98.50	Approved as requested.
				Sebastián					
				13KV 7805					
				San	7805-13	13.2			
				Sebastián					
				13KV 7805					



SOW No.	Category	LUMA Project ID #	LUMA Project Name	Substation	Feeder #/Line #	Voltage (kV)	Quantity of Feeders/Lines	Class 5 Cost Estimate (\$M)	Comments
					Lares Prov. 13kV 7903	4.16			
						7901-01			
						7901-02			
						4.16			
						13.2			
23	Transmission 38kV	10075	Line 8900 Monacillos TC to Adm. Tribunal Apelaciones	N/A	8900	38.0	1	\$11.51	Approved as requested.
24	Transmission 38kV	10077	Line 2200 Dos Bocas HP to Dorado TC	N/A	2200	38.0	1	\$103.80	Approved as requested.
25	Transmission 38kV	10078	Line 3100 Monacillos TC to Daguao TC	N/A	3100	38.0	1	\$113.33	Approved as requested.



SOW No.	Category	LUMA Project ID #	LUMA Project Name	Substation	Feeder #/Line #	Voltage (kV)	Quantity of Feeders/Lines	Class 5 Cost Estimate (\$M)	Comments
26	Transmission 38KV	10079	Line 500 Ponce TC to Costa Sur SP	N/A	500	38.0	1	\$ 36.59	Approved as requested.
27	Transmission 38KV	10080	Line 1900 Dos Bocas HP to San Sebastián TC	N/A	1900	38.0	1	\$ 51.20	Approved as requested.
28	Transmission 38KV	10083	Line 3000 Monacillos TC to Juncos TC	N/A	3000	38.0	1	\$ 90.44	Approved as requested.
<b>TOTAL</b>								<b>\$ 1,789.58</b>	

