

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

**NEPR**

**Received:**

**Jun 17, 2022**

**10:03 PM**

**IN RE:**

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

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

**SUBJECT:** Submittal of June 2022 Update to PREPA-  
LUMA 90-Day Plan for T&D Projects

**MOTION SUBMITTING JUNE 2022 UPDATE TO PREPA-LUMA 90-DAY PLAN FOR  
T&D PROJECTS**

**TO THE PUERTO RICO ENERGY BUREAU:**

**COME NOW LUMA Energy, LLC** (“ManagementCo”)<sup>1</sup>, and **LUMA Energy ServCo, LLC** (“ServCo”)<sup>2</sup>, (jointly referred to as “LUMA”), through the undersigned legal counsel and respectfully submit the following:

Pursuant to the continued reporting requirements set forth in this Puerto Rico Energy Bureau’s (“Energy Bureau”) Resolution and Order of March 26, 2021<sup>3</sup> and in accordance with LUMA’s Motion of July 15, 2021<sup>4</sup> and PREPA’s and LUMA’s Motion of September 21, 2021<sup>5</sup>,

---

<sup>1</sup> Register No. 439372.

<sup>2</sup> Register No. 439373.

<sup>3</sup> In this Resolution and Order (“March 26<sup>th</sup> Resolution”) the Energy Bureau required, among others that PREPA “continue reporting to the Energy Bureau and [the Federal Emergency Management Agency (“FEMA”)], within the next five (5) years, the progress of all ongoing efforts related to the final approval of the submitted projects not yet approved by the Energy Bureau”. March 26<sup>th</sup> Resolution at page 19.

<sup>4</sup> This refers to the *Motion Submitting Corrected LUMA Presentation at Technical Conference of July 11, 2021 and Requesting Approvals of Matters Presented and Proposed during the Technical Conference* filed by LUMA on July 15, 2021 (“July 15<sup>th</sup> Motion”) wherein LUMA proposed, among others, that reporting in this docket be done quarterly and that updates to the 90-Day Plan in relation to the 10-Year Infrastructure Plan be provided to the Energy Bureau during the last month of every quarter as it is provided to FEMA. See July 15<sup>th</sup> Motion at pages 8-9.

<sup>5</sup> This refers to the *Motion Submitting September 2021 Update to PREPA-LUMA 90 Day Plan* jointly filed by LUMA and PREPA on September 21, 2021 (“LUMA September 21 Motion”) wherein LUMA and PREPA informed that going forward, they would continue to file the PREPA-LUMA 90-Day Plans, instead of 90-Day updates of the 10-Year Infrastructure Plan given that FEMA was only requiring the 90-Day Plans. See September 21 Motion at page 4.

LUMA hereby submits, as *Exhibit 1* to this Motion, the June 2022 update to the PREPA-LUMA portion of the 90-Day Plan pertaining to the transmission and distribution system projects (“T&D Projects”) (“June 2022 PREPA-LUMA 90-Day Plan”) updating the status of T&D projects and providing a summary of key next steps for the upcoming 90 days.

LUMA is submitting this 90-Day Plan only for the T&D Projects because, despite its requests to PREPA to provide the text regarding PREPA generation projects for inclusion in this plan, as of the time of this filing, it had not received this text from PREPA. To ensure compliance with the reporting deadline before this honorable Energy Bureau, LUMA proceeded to file the attached version focused on T&D Projects under LUMA’s responsibility.

In addition, as *Exhibit 2* to this Motion, LUMA submits a redline version that compares the update to the PREPA-LUMA 90-Day Plan filed with this Energy Bureau on March 18, 2022 (*see Exhibit 1 of Joint Motion Submitting March 2022 PREPA-LUMA 90 Day Plan* jointly filed by PREPA and LUMA on that date) with the June 2022 PREPA-LUMA 90-Day Plan being submitted today.

**WHEREFORE**, LUMA respectfully requests that the Energy Bureau **take notice** of the aforementioned, **accept** LUMA’s June 2022 Update to PREPA-LUMA 90-Day Plan for T&D Projects submitted herein as **Exhibit 1** to this Motion in compliance with LUMA’s reporting obligations.

**RESPECTFULLY SUBMITTED.**

In San Juan, Puerto Rico, this 17<sup>th</sup> day of June 2022.

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).



**DLA Piper (Puerto Rico) LLC**  
500 Calle de la Tanca, Suite 401  
San Juan, PR 00901-1969  
Tel. 787-945-9132  
Fax 939-697-6102

/s/ Laura T. Rozas  
Laura T. Rozas  
RUA Núm. 10,398  
[laura.rozas@us.dlapiper.com](mailto:laura.rozas@us.dlapiper.com)

Exhibit 1

*June 2022 Update to PREPA-LUMA 90-Day Plan For T&D Projects*



FEMA



# PREPA-LUMA 90-Day Plan

June 2022



Puerto Rico Electric  
Power Authority



TABLE OF CONTENTS

I. Introduction ..... 3

II. Overview of Focus Areas for the Next 90-Days ..... 3

III. PREPA Estimated Schedule for Submission of *Detailed SOWs* ..... 7

IV. LUMA Estimated Schedule for Submission of *Detailed SOWs* ..... 7



## I. Introduction

In accordance with the directive received from FEMA to produce a 90-Day Plan, this document captures an overview of the key next steps and progress made on FEMA-funded projects for the Puerto Rico electrical system.

On June 1, 2021, LUMA assumed overall responsibilities for PREPA's T&D System as outlined within the O&M Agreement (OMA) between PREPA, P3A, and LUMA. Upon Commencement of the Service Period, PREPA refocused its efforts on projects in the Generation and Dams, Hydro, and Irrigation asset categories; while projects in the Transmission, Distribution, Substations, IT/Telecom, Buildings, and Environmental asset categories ("T&D Projects") were transitioned to and are now the responsibility of LUMA.

This 90-Day Plan provides information on areas of coordination between PREPA and LUMA as well as focus areas specific to each.

## II. Overview of Focus Areas for the Next 90-Days

The content below summarizes next steps across the following six areas: 1) PREPA-LUMA Coordination and Alignment; 2) Federal Grant Management; 3) Funding and Reporting; 4) Environmental and Historic Preservation; 5) Engineering Management; and 6) Enterprise Project Management ("EPM").

### **PREPA-LUMA Coordination and Alignment**

#### PREPA and LUMA Focus Areas

- PREPA and LUMA leadership are participating in regular weekly meetings with COR3 & FEMA to ensure visibility of progress of project work, ensure the coordination and understanding of common matters, and to identify and resolve risks that involve points of integration between the two entities
- PREPA and LUMA will continue coordination to support successful operations under the OMA

### **Federal Grant Management**

#### PREPA Focus Areas

- No updates provided

#### LUMA Focus Areas

- Continue working with COR3 and FEMA to obtain Project Obligations for the 19 *Detailed* SOWs submitted to date (i.e., 6 Substation Rebuild projects, 1 Transmission Line Rebuild projects, 2 Substation Minor Repair project, 2





- Substation Physical Security project, 3 Transmission Pole Replacement project, and 5 Distribution Pole and Conductor Replacement projects).
- Continue advancing work on 428 projects towards finalizing *Detailed SOWs* for submission to COR3 and FEMA. This effort will include 406 Hazard Mitigation and EHP work. Expect to submit *Detailed SOWs* within the next 90-day period or Q3 2022 as per target schedule in Section IV
  - Continue refinement of 406 Hazard Mitigation Strategies for Distribution, Transmission, Substation and Streetlights and ongoing discussions with COR3 and FEMA for feedback and alignment
  - During the last 90-day period, LUMA completed the following:
    - Received PREB approval for 1 *Initial SOWs* representing \$11.9 million in capital investments
    - Submitted 22 *Detailed SOWs* to FEMA for approval representing \$0.17 billion in capital investments
    - Obtained FEMA Authorization and Project Obligations on *Detailed SOWs* for 14 *Detailed SOWs* representing \$0.1 billion in capital investments
    - Obtained FEMA Authorization and Project Obligations for Materials representing \$0.65 billion in capital investments
    - Defined critical loads list in collaboration with Municipalities for the electrical system to inform mitigation approaches for undergrounding and submitted to FEMA
    - Finalized four LUMA Codes and Standards (Transmission, Distribution, Substation, and Streetlighting Strategies) that informs 428 versus 406 approaches
    - Commenced construction on Aguada Streetlights project
  - Continue to work on opportunities for potential additional funding afforded by the 404 Hazard Mitigation Grant Program and the Community Development Block Grant (CDBG-DR) Program. LUMA submitted six key projects representing ~\$1,257M to COR3 for consideration. Out of these, three projects have been included in the PRDOH's Disaster Recovery Action Plan submitted to HUD for its consideration. LUMA will continue to work with COR3 & PRDOH to advance these projects as required
  - LUMA engaged with PRDOH/Vivienda on implementing ER-1 Cost Share Program for CDBG-DR funds against specific projects. Current efforts are towards Catano Substation 1801 project





- Continue to work with the representatives from COR3 and FEMA on key issues identified to date and identified as the work progresses

### **Funding and Reporting**

#### PREPA Focus Areas

- No updates provided

#### LUMA Focus Areas

- Continue tracking project actual costs in accordance with FEMA, HUD, and COR3 standards to support financial reporting requirements for federally funded projects
- Submit progress and financial quarterly reports for period ending 6/30/2022 on all 428-obligated projects
- LUMA has submitted \$5.79 million in requests for reimbursements (RFRs) to COR3 to date and has another \$3.97 million in process to be submitted leveraging established RFR processes for document managements, as required by FEMA, HUD, and COR3

### **Environmental and Historic Preservation**

#### PREPA Focus Areas

- No updates provided

#### LUMA Focus Areas

- Continue to complete Endangered and Threatened Species Biological Studies and Wetland Hydrological Studies to support construction planning, permitting, and the development of appropriate environmental mitigations
- Continue to consult with FEMA and COR3 on PSPA measures specific to transmission and distribution projects
- During the last 90-day period, LUMA completed the following:
  - Assisted FEMA with the public consultation process for the PSPA by hosting consultation materials on its website during April and May 2022
  - Streamlined consultation process with FEMA relating to environmental studies and pre-construction disturbances
  - Provided environmental training for A&E, construction contractors and LUMA operations crews in support of compliance with EHP requirements
  - Reviewed initial FEMA Record of Environmental Considerations (RECs) for approved projects to implement conditions into project scopes



- Supported in pre-construction and construction inspections visits, aided with the implementation of mitigation measures required by FEMA EHP and other agencies to meet environmental conditions, and provided supporting documents for Class 3 estimate

### Engineering Management

#### PREPA Focus Areas

- No updates provided

#### LUMA Focus Areas

- Continue with preliminary engineering design work with existing A/E firms towards the development of *Detailed SOWs*. Begin detailed engineering on all projects with FEMA approved *Detailed SOWs*; these projects are all in the contracting phases and in various stages, from agreeing to terms and conditions to FOMB approval
- Continue to finalize contracts for additional A/E resources to support the federally funded projects and leverage the successful engineering firm(s) to assign projects with FEMA project numbers to begin A/E design work towards the development of *Detailed SOWs*. These contracts are in various stages from agreeing to terms and conditions to FOMB approval
- Continue evaluating and prioritizing the existing projects with FEMA numbers against the needs and constraints of the electrical system and available contractor capacities to optimize and level the execution strategies
- Develop an area plan analysis to identify contingency issues and provide a backup analysis to determine sectionalization and segmentation needs (e.g., installation of reclosers)
- During the last 90-day period, LUMA completed the following:
  - Developed standardized engineering packages for engineering firms to leverage during the preliminary engineering work for each project. These templates will be based on lessons learned during the development of the initial series of projects
  - Commenced process of incorporating NERC Compliance efforts for transmission system studies and analysis (e.g., PTO 1 through 4, Security, and CIP 114)
  - Completed the planning technical studies on 42 transmission lines (17 of the 42 have completed functional specifications)
  - Completed planning and analysis on 79 distribution feeders



- Completed high-level assessment on 113 substations (19 of the 113 have completed functional specifications)

### Enterprise Project Management (“EPM”)

#### PREPA Focus Areas

- No updates provided

#### LUMA Focus Areas

- Execute contract(s) for Program Management services to support the federally funded projects
- Continue to ramp-up project management resources, systems, and processes related to the execution of project within the infrastructure plan and continue to monitor resource needs as additional projects are launched
- Continue to track and monitor project schedules and costs within the EPM System leveraging the quality controls developed by LUMA

### III. PREPA Estimated Schedule for Submission of *Detailed SOWs*

No updates provided

### IV. LUMA Estimated Schedule for Submission of *Detailed SOWs*

Over the next 90-days, LUMA will be focused on preparing *Detailed SOW* and cost estimates for T&D projects that currently have both PREB approval and FEMA project numbers. The table below shows the current set of projects in this group along with the estimated timing for *Detailed SOWs* submittals to COR3 and FEMA.

The estimation of project submission timing noted below is based on the best information available to LUMA at the time of this plan update. LUMA is focused on meeting or exceeding the project submission estimates listed in the table below.

**Table 1.2 – LUMA Projects Being Prepared for *Detailed SOW* Submission**

FEMA Prj. #	Project Name	Submission Estimate	Construction Estimate	Asset Category
174422	Catano Modernization & Hardening (Obligated)	Oct-2021 (Completed)	Nov-2022	Substations
180052	Existing 38kV - Line 100, Line 200 Ponce TC to Jobos TC	Jul-2022	Apr-2023	Transmission
180326	Existing 115 kV - Line 36800 Palmer Fajardo to Sabana Llana	Oct-2022	Dec-2023	Transmission



FEMA Prj. #	Project Name	Submission Estimate	Construction Estimate	Asset Category
165268	Rio Grande Estates - CH – 2306	May-2022 (Completed)	Mar-2023	Substations
165213	Main Land 5400 - Rio Blanco HP - Dagua TC	Aug-2022	Jun-2023	Transmission
166707	51300 - Ponce - Costa Sur	Sep-2022	Jun-2023	Transmission
166860	37800 - Jobos – Caguas	Sep-2022	Feb-2024	Transmission
169495	Tapia GIS 1102	May-2022 (Completed)	Oct-2023	Substations
166904	37800 - Caguas – Monacillo	Sep-2022	Nov-2023	Transmission
167168	37100 - Costa Sur - Acacias	Aug-2022	Dec-2024	Transmission
167446	36100 - Dos Bocas - Monacillos	Oct-2022	Nov-2023	Transmission
168226	38000 - San Juan - Isla Grande (LOOP)	Apr-2022 (Completed)	Sep-2023	Transmission
176913	9500 - Palo Seco SP - Cantano Sect	Jul-2022	Oct-2023	Transmission
176954	1100 - Garzas 1 HP - Garzas 2 HP	Jun-2022	Sep-2023	Transmission
176971	8200 - San Juan SP - Catano Sect	Aug-2022	May-2023	Transmission
177134	4100 - Guaraguo TC - Comerio TC	Jul-2022	Oct-2023	Transmission
177191	39000 - Aguas Buenas – Caguas	Aug-2022	Nov-2024	Transmission
435257	Existing 115 kV - Line 36200 Fajardo to Rio Blanco	May-2023	Feb-2024	Transmission
165209	Culebra 3801 Substation (Obligated)	Mar-2022 (Completed)	Jul-2022	Substations
165225	Vieques 2501 Substation (Obligated)	Mar-2022 (Completed)	Jul-2022	Substations
165226	Vieques Feeders 2501-01, 2501-02, 2501-03 and Culebra Feeders 3801-01, 3801-02	Aug-2022	Dec-2022	Distribution
169058	Llorens Torres 1106	Mar-2022 (Completed)	Aug-2023	Substations
169266	Centro Medico 1327 & 1359	May-2022 (Completed)	Mar-2023	Substations
169276	Viaducto TC 1100	Aug-2022	Jun-2023	Substations
169500	Bayamon TC - BKRS Y1 - 1711	Jul-2022	Oct-2023	Substations
169896	Costa Sur TC	Jun-2022 (Completed)	Feb-2023	Substations
178258	Taft 1105	May-2022 (Completed)	Oct-2023	Substations



FEMA Prj. #	Project Name	Submission Estimate	Construction Estimate	Asset Category
178503	Aguirre TC -BKRS	Jul-2022	Aug-2023	Substations
178577	Cachete 1526	Jul-2022	Jun-2023	Substations
179558	Manati BKR T005 (Obligated)	Apr-2022 (Completed)	Jun-2023	Transmission
169576	Arecibo Regional Office Building	Oct-2022	Mar-2023	Buildings
169798	Arecibo Electric Service Center	Oct-2022	Mar-2023	Buildings
169804	Aguadilla Electric Service Center	Oct-2022	Mar-2023	Buildings
167508	Line 50100 - Cambalache GP TC to Manati TC	Aug-2022	May-2027	Transmission
168483	Line 36400 - Dos Bocas HP to Ponce TC	Aug-2022	Jun-2024	Transmission
167443	Line 36200 – Monacillos to Juncos	Oct-2022	Jan-2027	Transmission
436616	Distribution Pole and Conductor Repair-Arecibo Group 1	Jun-2022	Nov-2022	Distribution
542762	Distribution Pole and Conductor Repair-Arecibo Group 2 (Obligated)	Feb-2022 (Completed)	Aug-2022	Distribution
334473	Distribution Pole and Conductor Repair-Bayamon Group 1	Jun -2022	Oct-2022	Distribution
334474	Distribution Pole and Conductor Repair-Bayamon Group 2	Jun -2022 (Completed)	Oct-2022	Distribution
334475	Distribution Pole and Conductor Repair-Bayamon Group 3	Jul-2022	Nov-2022	Distribution
334420	Distribution Pole and Conductor Repair-Caguas Group 1	Jun 2022	Nov-2022	Distribution
334443	Distribution Pole and Conductor Repair-Caguas Group 2	Jun -2022	Sep-2022	Distribution
334452	Distribution Pole and Conductor Repair-Caguas Group 3	Jul -2022	Nov-2022	Distribution
334488	Distribution Pole and Conductor Repair-Caguas Group 4 (Obligated)	Feb-2022 (Completed)	Aug-2022	Distribution
334491	Distribution Pole and Conductor Repair-Caguas Group 5	Jun-2022	Sep-2022	Distribution
334497	Distribution Pole and Conductor Repair-Caguas Group 6	Jul-2022	Aug-2022	Distribution
334518	Distribution Pole and Conductor Repair-Caguas Group 7	Jul-2022	Nov-2022	Distribution
334527	Distribution Pole and Conductor Repair-Caguas Group 8 (Obligated)	Feb-2022 (Completed)	Aug-2022	Distribution



FEMA Prj. #	Project Name	Submission Estimate	Construction Estimate	Asset Category
334476	Distribution Pole and Conductor Repair-Carolina Group 2	Jun -2022	Oct-2022	Distribution
334477	Distribution Pole and Conductor Repair-Carolina Group 3	Jun-2022	Aug-2022	Distribution
334308	Distribution Pole and Conductor Repair-Mayaguez Group 1	Jun-2022 (Completed)	Aug-2022	Distribution
334285	Distribution Pole and Conductor Repair- Mayaguez Group 2	Jul-2022	Oct-2022	Distribution
334191	Distribution Pole and Conductor Repair- Mayaguez Group 3	Jul-2022	Aug-2022	Distribution
334293	Distribution Pole and Conductor Repair- Mayaguez Group 4	Jun-2022 (Completed)	Aug-2022	Distribution
334323	Distribution Pole and Conductor Repair- Ponce Group 1 (Obligated)	Jan-2022 (Completed)	Aug-2022	Distribution
334329	Distribution Pole and Conductor Repair- Ponce Group 2 (Obligated)	Jan-2022 (Completed)	Aug-2022	Distribution
334471	Distribution Pole and Conductor Repair- San Juan Group 1	Jun -2022	Oct-2022	Distribution
334472	Distribution Pole and Conductor Repair- San Juan Group 2	Jun-2022 (Completed)	Aug-2022	Distribution
546374	Distribution Pole and Conductor Repair- San Juan Group 3	Jul -2022	Oct-2022	Distribution
550910	Physical Security Group 1	Mar-2022 (Completed)	Aug-2022	Substations
549764	Physical Security Group 2	Jul-2022	Aug-2022	Substations
551861	Physical Security Group 3	Jun-2022 (Completed)	Aug-2022	Substations
660422	Physical Security Group 4	Jul-2022	Oct-2022	Substations
549768	Physical Security Group 5	Jul-2022	Oct-2022	Substations
546370	Substation Minor Repairs-Group A	Mar-2022 (Completed)	Aug-2022	Substations
542758	Substation Minor Repairs-Group B	Jul-2022	Oct-2022	Substations
546371	Substation Minor Repairs-Group C	Jun-2022 (Completed)	Sep-2022	Substations
549715	Substation Minor Repairs-Group D	Jul-2022	Nov-2022	Substations
549725	Substation Minor Repairs-Group E	Jul-2022	Nov-2022	Substations
542688	Streetlighting – Aguada (Obligated)	Mar-2022 (Completed)	Jun-2022	Distribution



FEMA Prj. #	Project Name	Submission Estimate	Construction Estimate	Asset Category
542756	Streetlighting – Guanica (Obligated)	Mar-2022 (Completed)	Jul-2022	Distribution
542687	Streetlighting – Lajas (Obligated)	Mar-2022 (Completed)	Jul-2022	Distribution
542517	Streetlighting – Luquillo (Obligated)	Mar-2022 (Completed)	Jul-2022	Distribution
542690	Streetlighting – Maunabo (Obligated)	Feb-2022 (Completed)	Jun-2022	Distribution
659715	Streetlighting- Aibonito	Jul-2022	Nov-2022	Distribution
659623	Streetlighting- Catano	Jun-2022	Oct-2022	Distribution
659625	Streetlighting- Dorado	Jul-2022	Sep-2022	Distribution
660227	Streetlighting- Hatillo	Aug-2022	Dec-2022	Distribution
660437	Streetlighting- Manati	Jul-2022	Dec-2022	Distribution
659968	Streetlighting- San German	Aug-2022	Dec-2022	Distribution
660239	Streetlighting- Villalba	Jul-2022	Oct-2022	Distribution
668669	Transmission Priority Pole Replacement Mora 50500	Mar-2022 (Completed)	Feb-2022 (Completed)	Transmission
668583	38kV Transmission Priority Pole Replacement Line 13300	Jun-2022 (Completed)	Oct-2022	Transmission
334468	38kV Transmission Priority Pole Replacement Line 2200	Apr-2022 (Completed)	Aug-2022	Transmission
668592	38kV Transmission Priority Pole Replacement Line 9800	Jun-2022	Oct-2022	Transmission
Pending	38kV Transmission Priority Pole Replacement Line 6700	Jun-2022	Oct-2022	Transmission
657300	Energy Management System (EMS)	Jun-2022	Oct-2023	IT and Telecommunications



Exhibit 2

*Redline showing changes from March 2022 PREPA-LUMA 90-Day Plan to June 2022  
Update to PREPA-LUMA 90-Day Plan for T&D Projects*



FEMA



# PREPA-LUMA 90-Day Plan

March-June 2022



Puerto Rico Electric  
Power Authority



TABLE OF CONTENTS

I. Introduction ..... 3

II. Overview of Focus Areas for the Next 90-Days ..... 3

III. PREPA Estimated Schedule for Submission of *Detailed SOWs* ..... 11

IV. LUMA Estimated Schedule for Submission of *Detailed SOWs*..... 12



### I. Introduction

In accordance with the directive received from FEMA to produce a 90-Day Plan, this document captures an overview of the key next steps and progress made on FEMA-funded projects for the Puerto Rico electrical system.

On June 1, 2021, LUMA assumed overall responsibilities for PREPA's T&D System as outlined within the O&M Agreement (OMA) between PREPA, P3A, and LUMA. Upon Commencement of the Service Period, PREPA refocused its efforts on projects in the Generation and Dams, Hydro, and Irrigation asset categories; while projects in the Transmission, Distribution, Substations, IT/Telecom, Buildings, and Environmental asset categories ("T&D Projects") were transitioned to and are now the responsibility of LUMA.

This 90-Day Plan provides information on areas of coordination between PREPA and LUMA as well as focus areas specific to each.

### II. Overview of Focus Areas for the Next 90-Days

The content below summarizes next steps across the following six areas: 1) PREPA-LUMA Coordination and Alignment; 2) Federal Grant Management; 3) Funding and Reporting; 4) Environmental and Historic Preservation; 5) Engineering Management; and 6) Enterprise Project Management ("EPM").

#### PREPA-LUMA Coordination and Alignment

##### PREPA and LUMA Focus Areas

- PREPA and LUMA leadership are participating in regular weekly meetings with COR3 & FEMA to ensure visibility of progress of project work, ensure the coordination and understanding of common matters, and to identify and resolve risks that involve points of integration between the two entities
- PREPA and LUMA will continue coordination to support successful operations under the OMA

#### Federal Grant Management

##### PREPA Focus Areas

- ~~• A total of 102 SOW (\$344M) were submitted to the Puerto Rico Energy Bureau (PREB) for approval out of which 62 have been approved and 7 deferred for further review~~
  - ~~◦ Projects include rehabilitation, improvement, and repairs to various generation units to recover load generation capacity and reliability reducing load sheds events to citizens and commercial and industry sectors. In addition, improvements to fuel tank, fire protection and~~



- ~~cooling systems to address compliance standards under NFPA and CWA were also submitted~~
- ~~○ PREPA is working alongside FEMA and COR3 to organize approved SOWs into logical grouping for Project Formulation submissions (Detailed SOWs)~~
  - ~~○ Logical grouping of SOWs takes into consideration EHP limitations to evaluate all environmental impacts under one area~~
  - ~~○ PREPA submitted a total 8 FEMA projects (Detailed SOWs) including:~~
    - ~~▪ Mayagüez Hydro Gas Power Plant Permanent Repairs (1)~~
    - ~~▪ Cambalache Power Plant Permanent Repairs (1)~~
    - ~~▪ San Juan Power Plant Permanent Repairs (3)~~
    - ~~▪ Aguirre Power Plant Permanent Repairs (3)~~
  - ~~○ Once the remaining SOWs receive regulatory approval, PREPA will continue with its Detailed SOWs submission. Meanwhile, the Authority will issue a motion to request approval priority to a subset of projects holding formulation progress~~
  - ~~▪ Continue advancing work on other 428 projects towards finalizing Detailed SOWs for submission to COR3 and FEMA. This effort will include 406 Hazard Mitigation and EHP work~~

#### LUMA Focus Areas

- Continue working with COR3 and FEMA to obtain Project Obligations for the ~~1794~~ 76 Detailed SOW's submitted to date (i.e., ~~76 Cataño Modernization and Hardening Substation Rebuild~~ projects, ~~31~~ 31 Transmission Line Rebuild projects, ~~12~~ 12 Substation Minor Repair project, ~~42~~ 42 Substation Physical Security project, ~~5~~ 5 Streetlight, ~~13~~ 13 Transmission Pole Replacement projects, and ~~455~~ 455 Distribution Pole and Conductor Replacement projects).
- Continue advancing work on 428 projects towards finalizing Detailed SOWs for submission to COR3 and FEMA. This effort will include 406 Hazard Mitigation and EHP work. Expect to submit Detailed SOWs within the next 90-day period or Q3 2022 as per target schedule in Section IV
- Continue refinement of 406 Hazard Mitigation Strategies for Distribution, Transmission, Substation and Streetlights and ongoing discussions with COR3 and FEMA for feedback and alignment. ~~During the last 90 day period, LUMA requested input from COR3/FEMA on LUMA:~~
  - ~~— Requested input from COR3/FEMA on:~~
    - ~~○ Substation Projects 406 Hazard Mitigation Strategies and System approach justifications~~

**Commented [JR1]:** I don't see any mention on kicking off the streetlight program

**Formatted:** Not Highlight

**Formatted:** Not Highlight

**Formatted:** Not Highlight

**Formatted:** Not Highlight

**Formatted:** Not Highlight

**Formatted**



- ~~Criteria in assessing the health of the distribution infrastructure documented within LUMA's Guide for Setting Condition Assessment Criteria Levels~~
- ~~Documentation requirements from LUMA for storm damaged elements not repaired to codes and standards to obtain reimbursement~~
- ~~Defined criticality loads list in collaboration with Municipalities for the electrical system to inform mitigation approaches for undergrounding and submitted to FEMA~~
- ~~Finalized four LUMA Codes and Standards (Transmission, Distribution, Substation, and Streetlighting Strategies) that informs 428 versus 406 approaches~~
- ~~Criteria in assessing the health of the distribution infrastructure documented within LUMA's Guide for Setting Condition Assessment Criteria Levels~~
- ~~Documentation requirements from LUMA for storm damaged elements not repaired to codes and standards to obtain reimbursement~~
- During the last 90-day period, LUMA completed the following:
  - Received PREB approval for ~~13~~ Initial SOWs representing \$~~11.90-36~~ billion<sup>4</sup> in capital investments
  - ~~Received FAASt numbers for all 184171 projects submitted to FEMA to date~~
  - Submitted ~~1722~~ 0 Detailed SOWs to FEMA for approval representing \$~~0.051377~~ billion in capital investments
  - ~~Obtained FEMA Authorization and Project Obligations on Detailed SOWs for 144 Detailed SOWs representing \$0.0194 billion in capital investments~~
  - ~~Obtained FEMA Authorization and Project Obligations for Materials representing \$0.65 billion in capital investments~~
  - ~~Defined critical loads list in collaboration with Municipalities for the electrical system to inform mitigation approaches for undergrounding and submitted to FEMA~~
  - ~~Finalized four LUMA Codes and Standards (Transmission, Distribution, Substation, and Streetlighting Strategies) that informs 428 versus 406 approaches~~
  - ~~Commenced construction on Aguada Streetlights project~~

<sup>4</sup>Value does not match subcomponent total exactly due to rounding

Formatted: Strikethrough

Formatted: Not Highlight

Commented [JR2]: I think we have more than 11 now.

Commented [TM3R2]: There were 4 additional obligations in the past week.

Commented [JR4]: I think we have more than 11 now.

Commented [TM5R4]: There were 4 additional obligations in the past week.

Formatted: Font: (Default) Arial, 12 pt, Font color: Text 1

Formatted: Font: (Default) Arial, 12 pt, Font color: Text 1

Formatted: Indent: Left: 1.25", No bullets or numbering



- ~~○ Cancelled FAAS#171118 Caridad Project — scope to be included in FAAS#169500 Bayamon TC BKRS Y1 1711 Project~~
- ~~○ Cancelled FAAS#551928 Primary and Secondary Control Centers Project — scope to be included in FAAS#657300 Energy Management System (EMS) Project~~

- Continue to work on opportunities for potential additional funding afforded by the 404 Hazard Mitigation Grant Program and the Community Development Block Grant (CDBG-DR) Program. LUMA submitted ~~four~~ six key projects representing ~\$1,257M to COR3 ~~900M~~ for consideration. ~~Out of these, three~~ projects have been included in the PRDOH's Disaster Recovery Action Plan submitted to HUD for its consideration. LUMA will continue to work with COR3 & PRDOH to advance these projects as required
- LUMA engaged with PRDOH/Vivienda on implementing ER-1 Cost Share Program for CDBG-DR funds against specific projects. Current efforts are towards Catano Substation 1801 project.
- Continue to work with the representatives from COR3 and FEMA on key issues identified to date and identified as the work progresses

Commented [TM6]: Additional effort currently in flight

## Funding and Reporting

### PREPA Focus Areas

- ~~● Establish a Standard Operating Procedure between PREPA and LUMA for shared project worksheets (1294 & 9510) related to administrative expenses, assessing the flow of funds to PREPA and LUMA, meeting the OMA requirements and regulatory standards~~
- ~~● Finalize advance reconciliation on request for advance (RFA) for PW 9510 with submitted RFRs and continue submittals of related A&E expenditures for reimbursements~~
- ~~● Evaluate potential impacts on Cost share matching funding from CDBG-DR and central government. Assess impacts on funding limitations if global match guidelines are not granted~~
- ~~● Request amendment to Management Cost PW 1294 to include contracts awarded for grant management and program management activities by LUMA and PREPA, to obtain adequate funding~~
- ~~● Submit progress and financial quarterly reports for period ending 03/31/2022 on all 428 and 404 obligated projects~~

### LUMA Focus Areas

- ~~● As previously reported, established structure and reports to support development of FEMA required financial reporting in preparation for submitting~~





~~the FEMA-funded projects progress and financial quarterly reports during future periods~~

- Continue tracking project actual costs in accordance with FEMA, HUD, and COR3 standards to support financial reporting requirements for federally funded projects
- Submit progress and financial quarterly reports for period ending 6/30/2022 on all 428-obligated projects
- ~~During the last 90-day period, LUMA has submitted a RFR to COR3 for \$25.792 million in requests for reimbursements (RFRs) to COR3 to date and has another \$3.97 million in process to be submitted leveraging established RFR processes for document managements, as required by FEMA, HUD, and COR3~~

### Environmental and Historic Preservation

#### PREPA Focus Areas

- ~~For emergency Generation projects PREPA prepared an all-inclusive EHP checklist by site taking into consideration that all projects have similar scope and very limited implications in environmental matters~~
  - ~~Checklists have been completed for San Juan, Costa Sur, Cambalache, Mayagüez, Palo Seco, and Aguirre. Checklist have been presented alongside Detailed SOW submissions~~
  - ~~Completion of EHP Checklists for Palo Seco and Hydrogas Gas Turbine Installations are underway and to be completed within the following month~~
- ~~FEMA, COR3 and PREPA are working at Project Specific Programmatic Agreement (PSPA), the document draft is out for public comments~~
- ~~Management is currently pursuing a Request for Proposal to contract services to support carrying out compliance activities, including the preparation of Biological Assessments for FEMA consultation with U.S. Fish and Wildlife Services; development of high level NEPA documentation (i.e., Environmental Assessments, Supplemental Environmental Assessments; or an Environmental Impact Statement); Clean Water Act Section 401 and 404 permit submittals through the U.S. Army Corps of Engineers; and actions required to achieve compliance with Section 106 of the National Historic Preservation Act (NHPA) (including archaeological survey and monitoring; building survey and recordation; data recovery and curation; and mitigation of adverse effects)~~
- ~~Implement an independent public notification program that meets FAASt and EHP requirements within PREPA website. Current actions to complete entail establishing an "inquiry information" platform~~



- For the Black Start projects, the geotechnical studies will be included as part of the scope of service within the EPC RFP to be issued

## LUMA Focus Areas

- Continue to Complete Endangered and Threatened Species Biological Studies and Wetland Hydrological Studies to support construction planning, permitting, and the development of appropriate environmental mitigations
- Continue to consult with FEMA and COR3 on PSPA measures specific to transmission and distribution projects
- Adapt EHP Checklist templates based on completed reviews of Detailed SOWs
- During the last 90-day period, LUMA completed the following:
  - Completed the standard EHP template and associated environmental studies as part of the Detailed SOW for projects
  - Completed consultation with FEMA's EHP group for the review and authorization of environmental, geotechnical, and engineering studies required for projects currently in preliminary design
  - In conjunction with FEMA, continued engagement state and federal agencies including DRNA, FWS, SHPO and USACE to streamline project review and consultation processes
  - Continued to Reviewed and analyzed environmental impacts (soil testing or boring, water works, vegetation removal, etc.) required during the preliminary and detailed design
  - Continued to Obtained FEMA approval for environmental studies, access, vegetation clearing and soil testing or boring on required projects to facilitate the preliminary designs
  - Adapted EHP Checklist templates based on completed reviews of Detailed SOWs
  - Provided environmental training for A&E, construction contractors and LUMA Operations Crews
- Supported in Pre construction and Construction Inspections visits, aided with the implementation of mitigation measures required by FEMA EHP and other agencies to meet environmental conditions, and provided supporting documents for Class 3 estimates

During the last 90-day period, LUMA completed the following;

- Assisted FEMA with the public consultation process for the PSPA by hosting consultation materials on its website during April and May 2022
- Streamlined consultation process with FEMA relating to environmental studies and pre-construction disturbances
- Provided environmental training for A&E, construction contractors and LUMA operations crews in support of compliance with EHP requirements

**Formatted:** List Paragraph, Space Before: 3 pt, After: 3 pt, Line spacing: Multiple 1.05 li, Bulleted + Level: 1 + Aligned at: 0.5" + Indent at: 0.75"

**Formatted:** Font: (Default) Arial, 12 pt, Font color: Auto

**Formatted:** Font: (Default) Arial, Font color: Auto

**Formatted:** Font: (Default) Arial, 12 pt, Font color: Auto

**Formatted:** List Paragraph, Space Before: 3 pt, After: 3 pt, Line spacing: Multiple 1.05 li, Bulleted + Level: 2 + Aligned at: 1" + Indent at: 1.25"

**Formatted:** Font: (Default) Arial, Font color: Auto

**Formatted:** Font: (Default) Arial, 12 pt, Font color: Auto

**Formatted:** Font: (Default) Arial, Font color: Auto

**Formatted:** Font: (Default) Arial, 12 pt, Font color: Auto

**Formatted:** Font: (Default) Arial, Font color: Auto



- Reviewed initial FEMA Record of Environmental Considerations (RECs) for approved projects to implement conditions into project scopes
- Supported in pre-construction and construction inspections visits, aided with the implementation of mitigation measures required by FEMA EHP and other agencies to meet environmental conditions, and provided supporting documents for Class 3 estimate

Formatted: Font: (Default) Arial, 12 pt, Font color: Auto

Formatted: Font: (Default) Arial, Font color: Auto

Formatted: Font: (Default) Arial, 12 pt, Font color: Auto

Formatted: Font: (Default) Arial, Font color: Auto

Formatted: Font: (Default) +Body (Calibri), 12 pt

Formatted: Indent: Left: 1.25", No bullets or numbering

## Engineering Management

### PREPA Focus Areas

- ~~Dredging Projects — Bathymetric survey RFP to be published during March 2022 and commencement date is estimated as May 2022. Design phase will include floor sampling planning to be submitted for EHP approval~~
  - ~~PREPA will continue collaborative meetings with FEMA EHP to address studies eligibility and completeness~~
- ~~Guajataca Dam — Project requires specialized skillsets and thus management is finalizing the evaluation of the contract structure to receive such services~~
  - ~~Meeting to be held with all stakeholders to discuss eligibility on procurement and contracting structure~~
- ~~PREPA awarded two contract releases to A/E contractor and has initiated design on:~~
  - ~~Cambalache Flood Barrier Protection: PREPA will review documents available and design drawing of the existing earthen berm to determine the current level of freeboard from the top of the berm. Collect the environmental parameters and prepare a criteria document for the new flood protection barrier system's design for RFP specifications~~
  - ~~Toro Negro Hydroelectric System: PREPA will review documents and assessment reports, develop walkdown checklist, inspection visits for the preparation of RFP specifications~~
- ~~Commence formation of construction specifications for applicable asset categories and work with program stakeholders on review and approval~~
- ~~Costa Sur & Yabucoa Black Starts — Technical specifications completed and RFP for EPC competitive process to be published in July 2022~~
- ~~Irrigation Channels — PREPA is finalizing a cost analysis to complete is procurement package and engage an A/E contractor. Expected commencement date is estimated to be in June 2022~~
- ~~Rio Blanco Hydroelectric System — PREPA finalized its design alternative solutions and is currently awaiting selection~~



- A meeting was held with the Forest Service and FERC to present three alternatives for the repair of the water pipe
- PREPA will work with the selection of the best alternative and work with the design specifications for RFP including the start of the environmental compliance permitting

## LUMA Focus Areas

- Continue with preliminary engineering design work with existing A/E firms towards the development of *Detailed SOWs*. Begin detailed engineering on all projects with FEMA approved *Detailed SOWs*; these projects are all in the contracting phases an in various stages, from agreeing to terms and conditions to FOMB approval.
- Continue to Execute E, finalize 40 contracts for additional A/E resources to support the federally funded projects and leverage the successful engineering firm(s) to assign projects with FEMA project numbers to begin A/E design work towards the development of *Detailed SOWs*. These projects contracts are all in the contracting phases and are in various stages from agreeing to terms and conditions to FOMB approval
- Continue evaluating and prioritizing the existing projects with FEMA numbers against the needs and constraints of the electrical system and available contractor capacities to optimize and level the execution strategies
- Develop an area plan analysis to identify contingency issues and provide a backup analysis to determine sectionalization and segmentation needs (e.g., installation of reclosers)
- During the last 90-day period, LUMA completed the following:
  - Developed standardized engineering packages for engineering firms to leverage during the preliminary engineering work for each project. These templates will be based on lessons learned during the development of the initial series of projects of the Cataño Modernization and Hardening project
  - Commenced process of incorporating NERC Compliance efforts for transmission system studies and analysis (e.g., PTO 1 through 4, Security, and CIP 114)
  - Completed the planning technical studies on 42 transmission lines (17 of the 42 have completed functional specifications)
  - Completed planning and analysis on 79 distribution feeders

Formatted: Not Highlight

Formatted: Not Highlight

Commented [JR7]: should we add the award to the local A&E firms? Rey Seco???



- Completed high-level assessment on 113 substations (19 of the 113 have completed functional specifications)

Formatted

- Continue evaluating and prioritizing the existing projects with FEMA numbers against the needs and constraints of the electrical system and available contractor capacities to optimize and level the execution strategies

### Enterprise Project Management (“EPM”)

#### PREPA Focus Areas

- Continue managing project schedules, tasks, budgets, and progress in PREPA's system of record, MS Project Online
- Continue refining project management controls and artifacts aligned with federal requirements
- Monitor and manage implementation progress through the EPM program

#### LUMA Focus Areas

- Execute contract(s) for Program Management services to support the federally funded projects
- Continue to ramp-up project management resources, systems, and processes related to the execution of project within the infrastructure plan and continue to monitor resource needs as additional projects are launched
- Continue to track and monitor project schedules and costs within the EPM System leveraging the quality controls developed by LUMA

### III. PREPA Estimated Schedule for Submission of *Detailed SOWs*

Over the next 90 days, PREPA will be focused on submitting Generation Emergency projects *Detailed SOWs* once approved by PREB. The table below shows the current set of projects estimated to have *Detailed SOWs* submitted to COR3 and FEMA in the second quarter of 2022, all of which are Generation projects.

The estimation of project submission timing is based on the best information available to PREPA at the time of this plan update.

**Table 1.1—PREPA 2022 Q2 Project Submittal Milestone**

FEMA-Project #	Project Name	Submission Estimate	Construction Estimate	Asset Category
662947	San Juan Plant – Unit 5 & 6	Submitted	Jan-22	Generation
Pending	San Juan Plant – Unit 7 & 8	Submitted	Mar-23	Generation
Pending	San Juan Plant – Unit 10	Mar-22	Mar-23	Generation

## PREPA-LUMA 90-Day Plan



Puerto Rico Electric  
Power Authority



FEMA

Pending	San Juan Plant – Auxiliary Equipment	Submitted	Mar-22	Generation
663385	Mayaguez Power Plant Permanent Repairs	Submitted	Mar-22	Generation
663383	Cambalache Power Plant Permanent Repairs	Submitted	Apr-22	Generation
Pending	Aguirre units 1 & 2	Submitted	Mar-22	Generation
Pending	Aguirre Auxiliary Equipment	Submitted	Mar-22	Generation
Pending	Combined Cycle Units	Submitted	Feb-22	Generation
662957	Palo Seco Steam Plant Permanent Repairs	Mar-22	Jan-23	Generation
Pending	Costa Sur Permanent Repairs	Mar-22	Nov-22	Generation
Pending	Hydro Gas Peakers	Mar-22	Jul-22	Generation
435769	South Coast Irrigation District – Canals	Nov-22	Jan-23	-Dams/Hydro
436467	Isabela Irrigation District – Canals	Nov-22	Jan-23	-Dams/Hydro
436462	Lajas Valley Irrigation District – Canals	Nov-22	Jan-23	-Dams/Hydro
334811	Dos Bocas Reservoir – Dredging	Jul-22	Jan-23	-Dams/Hydro
334769	Garzas Reservoir – Dredging	Jul-22	Jan-23	-Dams/Hydro
334771	Guajataca Reservoir – Dredging	Jul-22	Jan-23	-Dams/Hydro
334772	Guayabal Reservoir – Dredging	Jul-22	Jan-23	-Dams/Hydro
334813	Guayo Reservoir – Dredging	Jul-22	Jan-23	-Dams/Hydro
334798	Guerrero Reservoir – Dredging	Jul-22	Jan-23	-Dams/Hydro
334803	Loco Reservoir – Dredging	Jul-22	Jan-23	-Dams/Hydro
334773	Lucchetti Reservoir – Dredging	Jul-22	Jan-23	-Dams/Hydro
335207	Guineo Reservoir – Dredging	Jul-22	Jan-23	-Dams/Hydro
335206	Matrullas Reservoir – Dredging	Jul-22	Jan-23	-Dams/Hydro
436621	Damns Minor Repairs	Jul-22	Feb-23	-Dams/Hydro
436468	Toro Negro Hydroelectric System Connection	May-22	Nov-22	-Generation
334770	Guajataca Dam – Permanent Repairs	Jul-25	Jul-27	-Dams/Hydro
480723	Rio Blanco Hydroelectric System	May-22	Jun-23	-Generation
464988	New Black Start System at Costa Sur	Apr-22	Dec-22	Generation
464966	New Black Start System at Yabucoa	Apr-22	Dec-22	Generation
469340	Cambalache Power Plant – Flood Protection Barrier	May-22	-Dec-2022	Generation

### IV. LUMA Estimated Schedule for Submission of *Detailed* SOWs

Over the next 90-days, LUMA will be focused on preparing *Detailed* SOW and cost estimates for T&D projects that currently have both PREB approval and FEMA project numbers. The table below shows the current set of projects in this group along with the estimated timing for *Detailed* SOWs submittals to COR3 and FEMA.



The estimation of project submission timing noted below is based on the best information available to LUMA at the time of this plan update. LUMA is focused on meeting or exceeding the project submission estimates listed in the table below.

**Table 1.2 – LUMA Projects Being Prepared for Detailed SOW Submission**

FEMA Prj. #	Project Name	Submission Estimate	Construction Estimate	Asset Category
174422	Catano Modernization & Hardening <i>(Obligated)</i>	Oct-2021 (Completed)	<del>Oct</del> Nov-2022	Substations
180052	Existing 38kV - Line 100, Line 200 Ponce TC to Jobos TC	Jul-2022	Apr-2023	Transmission
180326	Existing 115 kV - Line 36800 Palmer Fajardo to Sabana Llana	Oct-2022	<del>Jun</del> Dec-2023 <sup>2</sup>	Transmission
165268	Rio Grande Estates - CH = 2306	May-2022 (Completed)	Mar-2023	Substations
165213	Main Land 5400 - Rio Blanco HP - Dagua TC	Aug-2022	Jun-2023	Transmission
166707	51300 - Ponce - Costa Sur	Sep-2022	Jun-2023	Transmission
166860	37800 - Jobos = Caguas	Sep-2022	Feb-2024	Transmission
169495	Tapia GIS 1102	May-2022 (Completed)	<del>Dec</del> Oct-2023 <sup>2</sup>	Substations
166904	37800 - Caguas = Monacillo	Sep-2022	<del>Jul</del> Nov-2023	Transmission
167168	37100 - Costa Sur - Acacias	Aug-2022	<del>Feb</del> Dec-2024	Transmission
167446	36100 - Dos Bocas - Monacillos	<del>Sep</del> Oct-2022	<del>Jun</del> Nov-2023	Transmission
168226	38000 - San Juan - Isla Grande (LOOP)	Apr-2022 (Completed)	<del>Sep</del> Oct-2023 <sup>2</sup>	Transmission
176913	9500 - Palo Seco SP - Cantano Sect	Jul-2022	<del>Apr</del> Oct-2023	Transmission
176954	1100 - Garzas 1 HP - Garzas 2 HP	<del>May</del> JunJun-2022	<del>Apr</del> Sep-2023	Transmission
176971	8200 - San Juan SP - Catano Sect	Aug-2022	<del>Feb</del> May-2023	Transmission
177134	4100 - Guaraguo TC - Comerio TC	Jul-2022	<del>Jun</del> Oct-2023	Transmission
177191	39000 - Aguas Buenas = Caguas	Aug-2022	<del>Apr</del> Nov-2024 <sup>3</sup>	Transmission
435257	Existing 115 kV - Line 36200 Fajardo to Rio Blanco	May-2023	Feb-2024	Transmission
165209	Culebra 3801 Substation <i>(Obligated)</i>	Mar-2022 (Completed)	<del>Jul</del> n-2022	Substations
165225	Vieques 2501 Substation <i>(Obligated)</i>	Mar-2022 (Completed)	<del>Jul</del> n-2022	Substations

**Commented [JR8]:** can we organize this table in chronological order? This is just bad formatting

**Commented [TM9R8]:** Either chronologically or by asset class

**Commented [TM10R8]:** Also not mentioned in the narrative or accounted for on the table is the Equipment/Materials Project 673691 obligated on 6/9/22

**Commented [TG11]:** Owen, we have been reporting this as October, but now have pretty good indication that it will be pushed out. What date would you like to communicate?

**Commented [TG12]:** Owen, for this project and all others, we used the forecasted MS2 and MS3 dates if the date is pushed out. However, if the date, is now forecasted sooner, we kept the conservative previously reported date.

**Commented [JR13]:** might want to verify that these two are approved????

**Commented [TM14R13]:** They were part of the 4 projects reported as obligated last week on 6/9/22 bringing the total to 15 obligated projects



## PREPA-LUMA 90-Day Plan



Puerto Rico Electric  
Power Authority



FEMA

FEMA Prj. #	Project Name	Submission Estimate	Construction Estimate	Asset Category
165226	Vieques Feeders 2501-01, 2501-02, 2501-03 and Culebra Feeders 3801-01, 3801-02	Aug-2022	Dec-2022	Distribution
169058	Llorens Torres 1106	Mar-2022 (Completed)	AugOct-2023 <sup>2</sup>	Substations
169266	Centro Medico 1327 & 1359	May-2022 (Completed)	Mar-2023	Substations
169276	Viaducto TC 1100	JunAug-2022	Jun-2023	Substations
169500	Bayamon TC - BKRS Y1 - 1711	MayNovJul-2022	FebOct-2023	Substations
169896	Costa Sur TC	JunApr-2022 (Completed)	Feb-2023	Substations
171118	Caridad 1714	Cancelled	Cancelled	Substations
178258	Taft 1105	JunMay-2022 (Completed)	FebOct-2023	Substations
178503	Aguirre TC -BKRS	AprNovJul-2022	MayAug-2023	Substations
178577	Cachete 1526	MayJul-2022	Junan-2023	Substations
179558	Manati BKR T005 (Obligated)	MayApr-2022 (Completed)	AprJun-2023	Transmission
169576	Arecibo Regional Office Building	Oct-2022	Mar-20 <sup>23</sup>	Buildings
169798	Arecibo Electric Service Center	Oct-2022	Mar-20 <sup>23</sup>	Buildings
169804	Aguadilla Electric Service Center	Oct-2022	Mar-20 <sup>23</sup>	Buildings
167508	Line 50100 - Cambalache GP TC to Manati TC	Aug-2022	OctMay-2027 <sup>3</sup>	Transmission
168483	Line 36400 - Dos Bocas HP to Ponce TC	Aug-2022	Junan-2024	Transmission
167443	Line 36200 – Monacillos to Juncos	Oct-2022	JanNov-2027 <sup>3</sup>	Transmission
436616	Distribution Pole and Conductor Repair-Arecibo Group 1	Jun-2022	SepNov-2022	Distribution
542762	Distribution Pole and Conductor Repair-Arecibo Group 2 (Obligated)	Feb-2022 (Completed)	Augpr-2022	Distribution
334473	Distribution Pole and Conductor Repair-Bayamon Group 1	Jun -2022	JulOct-2022	Distribution
334474	Distribution Pole and Conductor Repair-Bayamon Group 2	Jun -2022 (Completed)	JunOct-2022	Distribution
334475	Distribution Pole and Conductor Repair-Bayamon Group 3	Jul-2022	AugNov-2022	Distribution
334420	Distribution Pole and Conductor Repair-Caguas Group 1	Jun 2022	AugNov-2022	Distribution

Formatted: Font color: Auto, Not Highlight

Commented [TG15]: Reach out to Reinaldo

## PREPA-LUMA 90-Day Plan



Puerto Rico Electric  
Power Authority



FEMA

FEMA Prj. #	Project Name	Submission Estimate	Construction Estimate	Asset Category
334443	Distribution Pole and Conductor Repair-Caguas Group 2	Jun -2022	<del>Jun</del> Sep-2022	Distribution
334452	Distribution Pole and Conductor Repair-Caguas Group 3	Jul -2022	<del>Aug</del> Nov-2022	Distribution
334488	Distribution Pole and Conductor Repair-Caguas Group 4 <i>(Obligated)</i>	Feb-2022 (Completed)	<del>May</del> Aug-2022	Distribution
334491	Distribution Pole and Conductor Repair-Caguas Group 5	Jun-2022	<del>Jun</del> Sep-2022	Distribution
334497	Distribution Pole and Conductor Repair-Caguas Group 6	Jul-2022	<del>Jun</del> Aug-2022	Distribution
334518	Distribution Pole and Conductor Repair-Caguas Group 7	Jul-2022	<del>Aug</del> Nov-2022	Distribution
334527	Distribution Pole and Conductor Repair-Caguas Group 8 <i>(Obligated)</i>	Feb-2022 (Completed)	<del>May</del> Aug-2022	Distribution
<del>165226</del>	<del>Distribution Pole and Conductor Repair-Carolina Group 1</del>	<del>CancelledMay-2022</del>	<del>CancelledAug-2022</del>	<del>Distribution</del>
334476	Distribution Pole and Conductor Repair-Carolina Group 2	Jun -2022	<del>Jul</del> Oct-2022	Distribution
334477	Distribution Pole and Conductor Repair-Carolina Group 3	Jun-2022	<del>May</del> Aug-2022	Distribution
334308	Distribution Pole and Conductor Repair-Mayaguez Group 1	Jun-2022 (Completed)	<del>May</del> Aug-2022	Distribution
334285	Distribution Pole and Conductor Repair- Mayaguez Group 2	Jul-2022	<del>Jul</del> Oct-2022	Distribution
334191	Distribution Pole and Conductor Repair- Mayaguez Group 3	Jul-2022	<del>May</del> Aug-2022	Distribution
334293	Distribution Pole and Conductor Repair- Mayaguez Group 4	Jun-2022 (Completed)	<del>May</del> Aug-2022	Distribution
334323	Distribution Pole and Conductor Repair- Ponce Group 1 <i>(Obligated)</i>	Jan-2022 (Completed)	<del>Apr</del> Aug-2022	Distribution
334329	Distribution Pole and Conductor Repair- Ponce Group 2 <i>(Obligated)</i>	Jan-2022 (Completed)	<del>Apr</del> Aug-2022	Distribution
334471	Distribution Pole and Conductor Repair- San Juan Group 1	Jun -2022	<del>Jul</del> Oct-2022	Distribution
334472	Distribution Pole and Conductor Repair- San Juan Group 2	Jun-2022 (Completed)	<del>Jul</del> Aug-2022	Distribution
546374	Distribution Pole and Conductor Repair- San Juan Group 3	Jul -2022	<del>Jul</del> Oct-2022	Distribution
550910	Physical Security Group 1	Mar-2022 (Completed)	<del>May</del> Aug-2022	Substations

Commented [TM16]: This as also obligated on 6/9/22

## PREPA-LUMA 90-Day Plan



Puerto Rico Electric  
Power Authority



FEMA

FEMA Prj. #	Project Name	Submission Estimate	Construction Estimate	Asset Category
549764	Physical Security Group 2	Jul-2022	Sep-Aug-2022	Substations
551861	Physical Security Group 3	Jun-2022 (Completed)	Aug-2022	Substations
660422	Physical Security Group 4	Jul-Jul-2022	Oct-Sep-2022	Substations
549768	Physical Security Group 5	Jul-2022	Oct-2022	Substations
546370	Substation Minor Repairs-Group A	Mar-2022 (Completed)	Jun-Aug-2022	Substations
542758	Substation Minor Repairs-Group B	Jul-2022	Sep-Oct-2022	Substations
546371	Substation Minor Repairs-Group C	Jun-2022 (Completed)	Sep-2022	Substations
549715	Substation Minor Repairs-Group D	Jul-2022	Nov-2022	Substations
549725	Substation Minor Repairs-Group E	Jul-2022	Nov-2022	Substations
542688	Streetlighting — Aguada (Obligated)	Mar-2022 (Completed)	Jun-2022	Distribution
542756	Streetlighting — Guanica (Obligated)	Mar-2022 (Completed)	May-Jul-2022	Distribution
542687	Streetlighting — Lajas (Obligated)	Mar-2022 (Completed)	Jun-Jul-2022	Distribution
542517	Streetlighting — Luquillo (Obligated)	Mar-2022 (Completed)	May-Jul-2022	Distribution
542690	Streetlighting — Maunabo (Obligated)	Feb-2022 (Completed)	May-Jun-2022	Distribution
659715	Streetlighting- Aibonito	Jul-2022	Aug-Nov-2022	Distribution
659623	Streetlighting- Catano	Jun-2022	Aug-Oct-2022	Distribution
659625	Streetlighting- Dorado	Jul-2022	Sep-2022	Distribution
660227	Streetlighting- Hatillo	Jul-Aug-2022	Sep-Dec-2022	Distribution
660437	Streetlighting- Manati	Jul-2022	Aug-Dec-2022	Distribution
659968	Streetlighting- San German	Jul-Aug-2022	Sep-Dec-2022	Distribution
660239	Streetlighting- Villalba	Jul-2022	Aug-Oct-2022	Distribution
668669-16 7508	Transmission Priority Pole Replacement Mora 50500	Mar-2022 (Completed)	Feb-2022 (Completed)	Transmission
668583	38kV Transmission Priority Pole Replacement Line 13300	Jun-2022 (Completed)	Oct-2022	Transmission

Formatted: Font: (Default) Arial, 9 pt, Font color: Auto, Pattern: Clear

Formatted: Font: (Default) Arial, 9 pt, Font color: Auto, Pattern: Clear

Formatted: Font: (Default) Arial, 9 pt, Font color: Auto, Pattern: Clear

PREPA-LUMA 90-Day Plan



Puerto Rico Electric  
Power Authority



FEMA

FEMA Prj. #	Project Name	Submission Estimate	Construction Estimate	Asset Category
<del>334468</del>	<del>38kV Transmission Priority Pole Replacement Line 2200</del>	<del>Apr-2022 (Completed)</del>	<del>Aug-2022</del>	<del>Transmission</del>
<del>668592</del>	<del>38kV Transmission Priority Pole Replacement Line 9800</del>	<del>Jun-2022</del>	<del>Oct-2022</del>	<del>Transmission</del>
<del>Pending</del>	<del>38kV Transmission Priority Pole Replacement Line 6700</del>	<del>Jun-2022</del>	<del>Oct-2022</del>	<del>Transmission</del>
<del>657300</del>	<del>Energy Management System (EMS)</del>	<del>Jun-2022</del>	<del>Oct-2023</del>	<del>IT and Telecommunications</del>
<del>657300 Rev. 1</del>	<del>New Primary and Backup Control Centers</del>	<del>Oct-2022</del>	<del>Aug-2024</del>	<del>IT and Telecommunications</del>

- Formatted: Font: (Default) Arial, 9 pt, Font color: Auto, Pattern: Clear
- Formatted: Font: (Default) Arial, 9 pt, Font color: Auto, Pattern: Clear
- Formatted: Font: (Default) Arial, 9 pt
- Formatted: No Spacing
- Formatted: Font: (Default) Arial, 9 pt, Font color: Auto, Pattern: Clear
- Formatted: Font: (Default) Arial, 9 pt
- Formatted: No Spacing
- Formatted: Font color: Auto