

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

**NEPR**

**Received:**

**Mar 23, 2023**

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**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 LUMA's March 2023 Update  
to PREPA-LUMA 90-Day Plan for T&D Projects

**MOTION SUBMITTING LUMA'S MARCH 2023 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:

1. 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>, LUMA hereby submits, as *Exhibit 1* to this Motion, LUMA's March 2023 update to the PREPA-LUMA 90-Day Plan pertaining to the transmission and distribution system projects

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<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 the Puerto Rico Electric Power Authority ("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 on page 19.

<sup>4</sup> This refers to the *Motion Submitting the Corrected LUMA Presentation at the 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 the July 15<sup>th</sup> Motion on 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 only required the 90-Day Plans. See September 21 Motion on page 4.

(“T&D Projects”) (“March 2023 Update to 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 and PREPA are submitting to the Central Office for Recovery, Reconstruction, and Resiliency (“COR3”) their respective updates to the PREPA-LUMA 90-Day Plan separately (LUMA with respect to the T&D Projects and PREPA with respect to generation-related projects), and COR3 will then submit the respective PREPA-LUMA 90-Day Plan to FEMA. Accordingly, LUMA will be submitting its 90-Day Plan updates separately to this Energy Bureau as they are submitted to COR3.

2. 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 December 21, 2022 (*see Exhibit 1 of Motion Submitting December 2022 Update to PREPA-LUMA 90-Day Plan for T&D Projects* filed by LUMA on that date) with the March 2023 Update to PREPA-LUMA 90-Day Plan being submitted today.

**WHEREFORE**, LUMA respectfully requests that the Energy Bureau **take notice** of the aforementioned, and **accept** LUMA’s March 2023 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 23<sup>rd</sup> day of March 2023.

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 attorney for PREPA, Joannely Marrero-Cruz, [jmarrero@diazvaz.law](mailto:jmarrero@diazvaz.law).



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Exhibit 1

*March 2023 T&D 90-Day Plan*



FEMA



# LUMA 90-Day Plan

March 2023





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## 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 the Puerto Rico Electric Power Authority's ("PREPA") Transmission and Distribution (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 various focus areas for LUMA.

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

The content below summarizes next steps across the following five areas: 1) *PREPA-LUMA Coordination and Alignment*; 2) *Federal Grant Management*; 3) *Funding and Reporting*; 4) *Environmental and Historic Preservation*; and 5) *Engineering Management*.

### 1. PREPA-LUMA Coordination and Alignment

- *PREPA and LUMA Goals for the Next 90 days*
  - PREPA and LUMA leadership are participating in regular weekly meetings with the Central Office for Recovery, Reconstruction and Resiliency (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 T&D OMA.

### 2. Federal Grant Management

- *LUMA Goals for the Next 90 Days*
  - Continue working with COR3 and FEMA to obtain Project Obligations for the 37 *Detailed* SOWs submitted to date (i.e., 5 Substation Rebuild projects, 15 Transmission Line Rebuild projects, 3 Substation Minor Repair projects, 3 Substation Physical Security projects, 1 Transmission Pole Replacement projects, and 6 Distribution Pole and Conductor

Replacement projects, 2 Streetlight projects, 1 SCADA Remote Access and RTU Replacements project and 1 IT and Telecommunications projects).

- Continue advancing work on Section 428 projects towards finalizing *Detailed SOWs* for submission to COR3 and FEMA. This effort includes Section 406 Hazard Mitigation and EHP work. Expect to submit *Detailed SOWs* within the next 90-day period as per target schedule in Section IV.
- Continue refinement of Section 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:
  - Submitted 17 *Detailed SOWs* to FEMA for approval representing \$37 million in capital investments.
  - Obtained FEMA Authorization and Project Obligations on *Detailed SOWs* for 39 *Detailed SOWs* representing \$87 million in capital investments.
  - Progressed construction activities on 29 projects representing \$0.11 billion.
  - Constructed and energized five projects to date.

### 3. Funding and Reporting

#### Funding and Reporting

- LUMA Goals for the Next 90 Days
  - Continue tracking project actual costs in accordance with FEMA, HUD, and COR3 standards to support financial reporting requirements for federally funded projects.
- During the Last 90-Day Period, LUMA Completed the Following:
  - Submitted \$34.2 million in requests for reimbursements (RFRs) to COR3 to date and has another \$35 million in process to be submitted during the next 90 day period.
  - Continued the implementation of Time Reporting and Enhancements technology project to automate RFR process related to Federally Funded Projects and accelerate submissions to COR3 while ensuring federal compliance.
  - Incorporated additional best practices from RFRs submitted to date to prioritize projects, and optimize preparation time and overall quality of documentation for RFR submissions moving forward.



- Engaged with our grid recovery partners on additional Federal Funding opportunities to include Department of Energy electrical system improvement Grants, Grid Resiliency and Innovation Partnership (GRIP) grants, HUD and PRDOH CDBG-DR Programs for Hazard mitigation, Grid Resilience and Cost Share as well as FEMA Section 406 Hazard Mitigation proposals in all major asset categories and projects.
- Worked on additional initial proposals utilizing the FEMA/SHPO Section 404 Hazard Mitigation program with six key back-up projects proposed and developed, representing \$900 million, should additional Section 404 HMGP funds become available.

#### 4. Environmental and Historic Preservation

- LUMA Goals for the Next 90 days
  - Continue to consult with FEMA and Fish and Wildlife Service (FWS).
  - Review Vegetation Management Plan to comply with FWS requirements.
  - Review Luma HSE Environmental Policies-0315-Vegetation Management; 340-Stormwater & Erosion Control; 0335-Wildlife, Avian and Historical Resources Protection 0325-Working Near Waterbodies.
  - Develop underground injection control system closures template.
- During the Last 90-Day Period, LUMA Completed the Following:
  - Collaborated on streamlining consultation process with FEMA relating to environmental studies, pre-construction, and construction disturbances and vegetation management.
  - Continue to review initial FEMA Record of Environmental Considerations (RECs) for approved projects to implement conditions into project scopes.
  - Continue to support 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.
  - Continued notifying and requesting endorsements from government agencies for projects obligated by FEMA (LUMA's Capital Programs and Permitting Office).
  - Onboard an archaeologist resource to perform historical evaluation on projects.
  - Contact ICP and SHPO leadership to introduce archaeologist and streamline process.
  - Provide environmental support for Fiona projects.

## 5. Engineering Management

- LUMA Goals for Next 90 Day Report
  - Continue with preliminary engineering design work with existing A/E firms towards the development of *Detailed SOWs*.
  - Continue detailed engineering on all projects with FEMA approved *Detailed SOWs*.
  - 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*.
  - 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.
  - Continue refining feeder technology requirements for the distribution feeder rebuild program.
  - Continue working the area plan analysis to identify contingency issues and provide a backup analysis to determine sectionalization and segmentation needs (e.g., installation of reclosers).
  - Continue area planning analysis on the T&D system with focus on critical areas including airport supplies, hard to reach outlying areas to provide back up during outages, and high load growth areas.
- During the Last 90-Day Period, LUMA Completed the Following:
  - Assigned additional Substation and Transmission Line rebuild project engineering packages to engineering firms to finalize engineering scope, budget, and schedule and begin preliminary engineering design in October.
  - Completed the planning technical studies and functional specifications on 22 transmission lines and 7 substations for long-term transmission reliability solutions.
  - Completed load interconnection reliability studies on 6 load interconnections.
  - Completed line reliability recloser studies on twenty-two 38 kV transmission lines.
  - Completed transmission line outage matrix studies on 15 transmission lines.
  - Completed 2022 day-peak and night-peak power flow model development.
  - Completed planning and analysis on 98 additional distribution feeders.

### 3. 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 tables below show the current set of projects, by asset category, 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.

#### SUBSTATIONS

FEMA Prj. #	Project Name	DSOW Submission Estimate	Construction Start Estimate
174422	Cataño Modernization & Hardening	Oct-2021 (Complete)	Jun-2023
165209	Culebra 3801 Substation	Apr-2022 (Complete)	Nov-2023
165225	Vieques 2501 Substation	Apr-2022 (Complete)	Nov-2023
179558	Manati TC BKR - T005	May-2022 (Complete)	Nov-2022 (Started)
165268	Rio Grande Estates - CH – 2306	May-2022 (Complete)	Jul-2024
169495	Tapia GIS 1102	May-2022 (Complete)	May-2024
169058	Llorens Torres 1106	May-2022 (Complete)	May-2025
169266	Centro Medico 1327 & 1359	May-2022 (Complete)	Jun-2024
169896	Costa Sur TC	Jun-2022 (Complete)	Jan-2024
178258	Taft 1105	Jun-2022 (Complete)	Nov-2026
169500	Bayamón TC - BKRS Y1 - 1711	Jul-2022 (Complete)	Dec-2023
178503	Aguirre TC -BKRS	Nov-2022 (Complete)	Jan-2024

FEMA Prj. #	Project Name	DSOW Submission Estimate	Construction Start Estimate
546370	Substation Minor Repairs-Group A	Apr-2022 (Complete)	Oct-2023
542758	Substation Minor Repairs-Group B	Jul-2022 (Complete)	May-2023
546371	Substation Minor Repairs-Group C	Jun-2022 (Complete)	Jan-2024
549715	Substation Minor Repairs-Group D	Apr-2023	Apr-2024
549725	Substation Minor Repairs-Group E	Apr-2023	Apr-2024
550910	Physical Security Group 1	Apr-2022 (Complete)	Apr-2023
549764	Physical Security Group 2	Jul-2022 (Complete)	Sept-2023
551861	Physical Security Group 3	Jun-2022 (Complete)	Nov-2023
660422	Physical Security Group 4	Apr-2023	Apr-2024
684920	Substations HV Equipment Replacement Group 1	Apr-2023	Apr-2023
169276	Viaducto TC 1100	Apr-2023	Apr-2024
550980	Parques y Recreos	May-2023	Dec-2024
547243	Egozcue	May-2023	Dec-2024
550986	Condado 1113	May-2023	Jun-2024
551918	Crematorio 1512	May-2023	Aug- 2024
550099	Esc. Industrial Miguel Such 1423	May-2023	Nov-2024
551912	Puerto Nuevo Metalclad 1520	May-2023	Dec-2024
547241	Tallaboa 5402	May-2023	Jan-2025
547344	Acacias TC Relocation	May-2023	Jun-2025
550894	Baldrich 1422	May-2023	Jun-2025
550162	Berwind TC- Metalclad - 1336	Jun-2023	Jun-2025
178577	Cachete 1526	Jun-2023	Sep-2024
551200	Guaynabo Pueblo Rebuild	June-2023	Feb-2025
550106	Conquistador - CH	Jun--2023	Mar-2023

FEMA Prj. #	Project Name	DSOW Submission Estimate	Construction Start Estimate
TBD	Sabana Llana TC	June 2023	Jan 2025
TBD	Salinas Substation	June 2023	Jan 2025
TBD	Jobos TC	June 2023	Jan 2025
TBD	San Juan SP TC	June 2023	Jan 2025
TBD	Guayanilla Substation	June 2023	Jan 2025
TBD	Monacillos Substation	June 2023	Jan 2025
TBD	Vieques Substation (Phase 2)	June 2023	Jan 2025
TBD	Culebra Substation (Phase 2)	June 2023	Jan 2025

**TRANSMISSION\***

FEMA Prj. #	Project Name	DSOW Submission Estimate	Construction Start Estimate
176971	8200 - San Juan SP - Cataño Sect.	Jul-2022 (Complete)	Oct-2024
180052	Existing 38kV - Line 100, Line 200 Ponce TC to Jobos TC	Aug-2022 (Complete)	Nov-2024
180326	Existing 115 kV - Line 36800 Palmer Fajardo o Sabana Llana	Aug-2022 (Complete)	Jun-2024
166904	37800 - Caguas – Monacillo	Aug-2022 (Complete)	May-2024
167443	36200 - Monacillos - Juncos	Aug-2022 (Complete)	Jun-2027
176913	9500 - Palo Seco SP - Cantaña Sect	Aug-2022 (Complete)	Jul-2024
176954	1100 - Garzas 1 HP - Garzas 2 HP	Aug-2022 (Complete)	Jul-2024
168483	36400 - Dos Bocas - Ponce	Aug-2022 (Complete)	May-2025
166860	37800 - Jobos – Caguas	Aug-2022 (Complete)	Dec-2025
167168	37100 - Costa Sur - Acacias	Aug-2022 (Complete)	Nov-2024

FEMA Prj. #	Project Name	DSOW Submission Estimate	Construction Start Estimate
177191	39000 - Aguas Buenas – Caguas	Sep-2022 (Complete)	Dec-2024
165213	Main Land 5400 - Rio Blanco HP - Daguao TC	Nov-2022 (Complete)	Sep-2024
167508	50100 - Cambalache - Manati	Nov-2022 (Complete)	Aug-2027
166707	51300 - Ponce - Costa Sur	Nov-2022 (Complete)	Sep-2024
177134	4100 - Guaraguo TC - Comerio TC	Nov-2022 (Complete)	Aug-2024
681672	FAAST Transmission Priority Pole Replacements –38kV Line 2300	Nov-2022 (Complete)	Sept-2023
168226	FAAST San Juan 115kV Underground Transmission Loop	Mar-2022 (Completed)	Aug-2023
334468	FAAST [Transmission Priority Pole Replacements – Line 2200]	April-2022 (Completed)	May-2023
668592	FAAST [Line 9800 Bayamón TC - Guaraguo Sect]	Jun-2022 (Completed)	Dec-2023
550896	FAAST [Transmission Priority Pole Replacements – Line 6700]	Jun-2022 (Completed)	April-2023
668583	FAAST [Transmission Priority Pole Replacements – Line 13300]	Jun-2022 (Completed)	Oct-2023
167446	36100 - Dos Bocas – Monacillos	June 2023	Oct-2024
435257	36200 - Fajardo to Rio Blanco (Evaluating for relocation)	June 2023	March-2028
334470	3100 - Monacillo TC to Daguao TC	June 2023	February-2026
551911	9100 - Guaraguo TC to Bayamón Pueblo Sect.	June 2023	July-2025
547259	2700 - Victoria TC to Quebradillas Sect.	June 2023	April-2025
547269	2800 - Aguadilla Hospital Distrito Sect to T-Bone TO	June 2023	January-2027
334482	3000 - Monacillos TC to Martin Pena	June 2023	December-2025
547350	13300 - Bayamón Tc to Plaza del Sol	June 2023	June-2026

FEMA Prj. #	Project Name	DSOW Submission Estimate	Construction Start Estimate
550019	600 - Caguas TC to Gautier Benitez Sect.	June 2023	February-2027

\*Revised versions of some projects will be submitted to include Section 406 mitigation measures per FEMA Guidance June 2023.

## DISTRIBUTION

FEMA Prj. #	Project Name	DSOW Submission Estimate	Construction Start Estimate
334323	Distribution Pole and Conductor Repair- Ponce Group 1	Jan 2022 (Complete)	Mar 2022 (Started)
334329	Distribution Pole and Conductor Repair- Ponce Group 2	Jan 2022 (Complete)	Jun 2023
542690	Streetlighting – Maunabo	Feb 2022 (Complete)	Jun 2022 (Started)
334488	Distribution Pole and Conductor Repair-Caguas Group 4	Feb 2022 (Complete)	May 2022 (Started)
542688	Streetlighting – Aguada	Mar 2022 (Complete)	Jun 2022 (Started)
542756	Streetlighting – Guanica	Mar 2022 (Complete)	Aug 2022 (Started)
542687	Streetlighting – Lajas	Mar 2022 (Complete)	Jul 2022 (Started)
542517	Streetlighting – Luquillo	Mar 2022 (Complete)	Jun 2022 (Started)
674092	Distribution Pole and Conductor Repair-Caguas Group 5	Jun 2022 (Complete)	Nov 2022 (Started)
674098	Distribution Pole and Conductor Repair-Caguas Group 7	Jun 2022 (Complete)	Feb 2023 (Started)
673847	Distribution Pole and Conductor Repair-Carolina Group 2	Jun 2022 (Complete)	Mar 2022 (Started)
673848	Distribution Pole and Conductor Repair-Carolina Group 3	Jun 2022 (Complete)	Jan 2022 (Started)
673774	Distribution Pole and Conductor Repair-Mayagüez Group 1	Jun 2022 (Complete)	Mar 2022 (Started)
673795	Distribution Pole and Conductor Repair- Mayagüez Group 4	Jun 2022 (Complete)	Mar 2023

FEMA Prj. #	Project Name	DSOW Submission Estimate	Construction Start Estimate
673818	Distribution Pole and Conductor Repair- San Juan Group 1	Jun 2022 (Complete)	Nov 2021 (Started)
673838	Distribution Pole and Conductor Repair- San Juan Group 2	Jun 2022 (Complete)	May 2023
660239	Streetlighting- Villalba	Jul 2022 (Complete)	Oct 2022 (Started)
673771	Distribution Pole and Conductor Repair-Arecibo Group 1	Jul 2022 (Complete)	Nov 2021 (Started)
673836	Distribution Pole and Conductor Repair- Bayamón Group 1	Jul 2022 (Complete)	Mar 2022 (Started)
673843	Distribution Pole and Conductor Repair- Bayamón Group 3	Jul 2022 (Complete)	Feb 2023 (Started)
674072	Distribution Pole and Conductor Repair-Caguas Group 1	Jul 2022 (Complete)	Nov 2022 (Started)
659715	Streetlighting – Aibonito	Jul 2022 (Complete)	Nov 2022 (Started)
659623	Streetlighting - Cataño	Jul 2022 (Complete)	Nov 2022 (Started)
674083	Distribution Pole and Conductor Repair-Caguas Group 2	Jul 2022 (Complete)	Jun 2023
674088	Distribution Pole and Conductor Repair-Caguas Group 3	Jul 2022 (Complete)	Dec 2021 (Started)
674096	Distribution Pole and Conductor Repair-Caguas Group 6	Jul 2022 (Complete)	Feb 2023 (Started)
673772	Distribution Pole and Conductor Repair- Mayagüez Group 2	Jul 2022 (Complete)	Mar 2023
673775	Distribution Pole and Conductor Repair- Mayagüez Group 3	Jul 2022 (Complete)	Dec 2021 (Started)
673844	Distribution Pole and Conductor Repair- San Juan Group 3	Jul 2022 (Complete)	May-2023
659625	Streetlighting- Dorado	Aug 2022 (Complete)	Nov-2022 (Started)
660227	Streetlighting- Hatillo	Aug 2022 (Complete)	Nov-2022 (Started)
660437	Streetlighting- Manati	Aug 2022 (Complete)	Nov-2022 (Started)
678985	Distribution Pole and Conductor Repair - Bayamón Group 4	Aug 2022 (Complete)	Feb-2023 (Started)
679025	Distribution Pole and Conductor Repair - San Juan Group 4	Aug 2022 (Complete)	May-2023



FEMA Prj. #	Project Name	DSOW Submission Estimate	Construction Start Estimate
679033	Distribution Pole and Conductor Repair - Caguas Group 9	Aug 2022 (Complete)	Jun-2023
679127	Distribution Pole and Conductor Repair - Arecibo Group 3	Aug 2022 (Complete)	Apr-2023
679149	Distribution Pole and Conductor Repair – Mayagüez Group 5	Aug 2022 (Complete)	Jul-2023
679457	Distribution Pole and Conductor Repair - Ponce Group 3	Aug 2022 (Complete)	Jun-2023
678988	Distribution Pole and Conductor Repair - Bayamón Group 5	Sep 2022 (Complete)	Jun-2023
679026	Distribution Pole and Conductor Repair - San Juan Group 5	Sep 2022 (Complete)	May-2023
679133	Distribution Pole and Conductor Repair - Arecibo Group 4	Sep 2022 (Complete)	Apr-2023
679134	Distribution Pole and Conductor Repair - Caguas Group 10	Sep 2022 (Complete)	Jun-2023
679153	Distribution Pole and Conductor Repair – Mayagüez Group 6	Sep 2022 (Complete)	Jul-2023
679458	Distribution Pole and Conductor Repair - Ponce Group 4	Sep 2022 (Complete)	Jun-2023
685477	Distribution Pole and Conductor Repair - Arecibo Group 6	Nov 2022 (Complete)	Apr-2023
682910	Distribution Pole and Conductor Repair - Bayamón Group 7	Nov 2022 (Complete)	Apr-2023
682890	Distribution Pole and Conductor Repair - Caguas Group 12	Nov 2022 (Complete)	Apr-2023
685370	Distribution Pole and Conductor Repair – Mayagüez Group 8	Nov 2022 (Complete)	Mar-2023
685263	Distribution Pole and Conductor Repair - Ponce Group 6	Nov 2022 (Complete)	Apr-2023
682865	Distribution Pole and Conductor Repair - San Juan Group 7	Nov 2022 (Complete)	May-2023
682135	Distribution Pole and Conductor Repair - Bayamón Group 8	Nov 2022 (Complete)	May-2023
682324	Distribution Pole and Conductor Repair - Caguas Group 13	Nov 2022 (Complete)	May-2023
682870	Distribution Pole and Conductor Repair - San Juan Group 6	Nov 2022 (Complete)	Apr-2023
682882	Distribution Pole and Conductor Repair - Caguas Group 11	Nov 2022 (Complete)	Apr-2023

FEMA Prj. #	Project Name	DSOW Submission Estimate	Construction Start Estimate
682898	Distribution Pole and Conductor Repair - Bayamón Group 6	Nov 2022 (Complete)	Apr-2023
685943	Distribution Pole and Conductor Repair - Ponce Group 5	Nov 2022 (Complete)	Apr-2023
686453	Distribution Pole and Conductor Repair – Mayagüez Group 7	Nov 2022 (Complete)	Mar-2023
686471	Distribution Pole and Conductor Repair - Arecibo Group 5	Nov 2022 (Complete)	Apr-2023
165226	Vieques Feeders 2501-01, 2501-02, 2501-03 and Culebra Feeders 3801-01, 3801-02	Dec 2022 (Complete)	Oct-2023
682178	Distribution Pole and Conductor Repair - Arecibo Group 7	Dec 2022 (Complete)	May-2023
682210	Distribution Pole and Conductor Repair - Mayagüez Group 9	Dec 2022 (Complete)	May-2023
686480	Distribution Pole and Conductor Repair - Ponce Group 7	Dec 2022 (Complete)	May-2023
682028	Distribution Pole and Conductor Repair - San Juan Group 8	Dec 2022 (Complete)	May-2023
682172	Distribution Pole and Conductor Repair - Arecibo Group 8	Dec 2022 (Complete)	May-2023
682136	Distribution Pole and Conductor Repair - Bayamón Group 9	Dec 2022 (Complete)	May-2023
682373	Distribution Pole and Conductor Repair - Caguas Group 14	Dec 2022 (Complete)	May-2023
682180	Distribution Pole and Conductor Repair – Mayagüez Group 10	Dec 2022 (Complete)	May-2023
682228	Distribution Pole and Conductor Repair - Ponce Group 8	Dec 2022 (Complete)	May-2023
682031	Distribution Pole and Conductor Repair - San Juan Group 9	Dec 2022 (Complete)	May-2023
688627	Distribution Pole and Conductor Repair - Arecibo Group 9	Dec 2022 (Complete)	May-2023
688096	Distribution Pole and Conductor Repair - Caguas Group 15	Dec 2022 (Complete)	May-2023
688472	Distribution Pole and Conductor Repair - Mayagüez Group 11	Dec 2022 (Complete)	May-2023
688774	Distribution Pole and Conductor Repair - Ponce Group 9	Dec 2022 (Complete)	Jun-2023
691246	Distribution Pole and Conductor Repair - San Juan Group 10	Dec 2022 (Complete)	Jun-2023

FEMA Prj. #	Project Name	DSOW Submission Estimate	Construction Start Estimate
688109	Distribution Pole and Conductor Repair - San Juan Group 11	Dec 2022 (Complete)	Jun-2023
688198	Distribution Pole and Conductor Repair - Arecibo Group 10	Dec 2022 (Complete)	Jun-2023
688625	Distribution Pole and Conductor Repair - Ponce Group 10	Dec 2022 (Complete)	Jun-2023
688629	Distribution Pole and Conductor Repair - Mayagüez Group 13	Dec 2022 (Complete)	Jun-2023
688630	Distribution Pole and Conductor Repair – Mayagüez Group 12	Dec 2022 (Complete)	May-2023
689071	Distribution Pole and Conductor Repair - Arecibo Group 11	Dec 2022 (Complete)	Jun-2023
701679	Distribution Pole and Conductor Repair - San Juan Group 12	Dec 2022 (Complete)	Jun-2023
701545	Distribution Pole and Conductor Repair - Ponce Group 11	Dec 2022 (Complete)	Jun-2023
701555	Distribution Pole and Conductor Repair - Ponce Group 13	Jan 2023 (Complete)	Jul-2023
701552	Distribution Pole and Conductor Repair - Ponce Group 12	Jan 2023 (Complete)	Jul-2023
701495	Distribution Pole and Conductor Repair - Mayagüez Group 14	Jan 2023 (Complete)	Jul-2023
701504	Distribution Pole and Conductor Repair - Arecibo Group 12	Jan 2023 (Complete)	Jul-2023
704916	Distribution Pole and Conductor Repair - Arecibo Group 13	Feb 2023 (Complete)	Aug-2023
704750	Distribution Pole and Conductor Repair - Bayamón Group 10	Feb 2023 (Complete)	Aug-2023
704916	Distribution Pole and Conductor Repair - Arecibo Group 14	Feb 2023 (Complete)	Aug-2023
704751	Distribution Pole and Conductor Repair - Bayamón Group 11	Feb 2023 (Complete)	Aug-2023
659968	Streetlighting- San German	Feb 2023 (Completed)	Jun-2023
704916	Distribution Pole and Conductor Repair - Arecibo Group 15	Mar 2023 (Complete)	Sep-2023
704916	Distribution Pole and Conductor Repair - Arecibo Group 16	Mar 2023 (Completed)	Sep-2023
334474	Distribution Feeder (Bayamón Short-Term Group 2)	Apr 2023	Aug - 2024

FEMA Prj. #	Project Name	DSOW Submission Estimate	Construction Start Estimate
334191	Distribution Feeder (Mayagüez Short Term Group 3)	Apr 2023	Aug 2024
334293	Distribution Feeder(Mayagüez Short Term Group 4)	Apr 2023	Aug 2024
704844	Distribution Pole and Conductor Repair - Caguas Group 16	Apr 2023	Aug-2023
705503	Distribution Pole and Conductor Repair - Mayagüez Group 15	Apr 2023	Aug-2023
705584	Distribution Pole and Conductor Repair - Ponce Group 14	Apr 2023	Aug-2023
704933	Distribution Pole and Conductor Repair - San Juan Group 13	Apr 2023	Aug-2023
704844	Distribution Pole and Conductor Repair - Caguas Group 17	Apr 2023	Aug-2023
673504	Streetlighting- Gurabo	Apr 2023	Jun-2023
666894	Streetlighting- San Juan	Apr 2023	Jul-2023
671502	Streetlighting- Yabucoa	Apr 2023	Aug-2023
671400	Streetlighting- Barceloneta	Apr 2023	Aug-2023
671396	Streetlighting- Utuado	Apr 2023	Aug-2023
704755	Distribution Pole and Conductor Repair - Bayamón Group 12	Apr 2023	Sep-2023
704844	Distribution Pole and Conductor Repair - Caguas Group 18	Apr 2023	Sep-2023
705503	Distribution Pole and Conductor Repair - Mayagüez Group 16	Apr 2023	Sep-2023
705503	Distribution Pole and Conductor Repair - Mayagüez Group 17	Apr 2023	Sep-2023
705584	Distribution Pole and Conductor Repair - Ponce Group 15	Apr 2023	Sep-2023
708579	Distribution Pole and Conductor Repair - Ponce Group 16	Apr 2023	Sep-2023
704933	Distribution Pole and Conductor Repair - San Juan Group 14	Apr 2023	Sep-2023
704933	Distribution Pole and Conductor Repair - San Juan Group 15	Apr 2023	Sep-2023
704755	Distribution Pole and Conductor Repair - Bayamón Group 14	Apr 2023	Sep-2023
704933	Distribution Pole and Conductor Repair - San Juan Group 16	Apr 2023	Sep-2023
TBD	Distribution Pole and Conductor Repair - Caguas Group 19	Apr 2023	Sep-2023
TBD	Distribution Pole and Conductor Repair - Caguas Group 20	Apr 2023	Sep-2023
TBD	Distribution Pole and Conductor Repair - Caguas Group 21	Apr 2023	Nov-2023
TBD	Distribution Pole and Conductor Repair - Ponce Group 20	Apr 2023	Oct-2023

FEMA Prj. #	Project Name	DSOW Submission Estimate	Construction Start Estimate
TBD	Distribution Pole and Conductor Repair - Arecibo Group 17	April 2023	Oct-2023
TBD	Distribution Pole and Conductor Repair - Arecibo Group 18	April 2023	Oct-2023
TBD	Distribution Pole and Conductor Repair - Bayamón Group 15	April 2023	Oct-2023
TBD	Distribution Pole and Conductor Repair - Bayamón Group 16	April 2023	Oct-2023
TBD	Distribution Pole and Conductor Repair - Bayamón Group 17	April 2023	Oct-2023
TBD	Distribution Pole and Conductor Repair - Bayamón Group 18	April 2023	Oct-2023
TBD	Distribution Pole and Conductor Repair - Bayamón Group 19	April 2023	Oct-2023
TBD	Distribution Pole and Conductor Repair - Mayagüez Group 20	April 2023	Oct-2023
TBD	Distribution Pole and Conductor Repair - Mayagüez Group 21	April 2023	Oct-2023
TBD	Distribution Pole and Conductor Repair - Ponce Group 20	April 2023	Oct-2023
TBD	Distribution Pole and Conductor Repair - Mayagüez Group 22	April 2023	Oct-2023
TBD	Distribution Pole and Conductor Repair - Mayagüez Group 23	April 2023	Oct-2023
TBD	Distribution Pole and Conductor Repair - Ponce Group 21	April 2023	Oct-2023
TBD	Distribution Pole and Conductor Repair - Ponce Group 22	April 2023	Oct-2023
TBD	Distribution Pole and Conductor Repair - Ponce Group 23	April 2023	Oct-2023
705657	Transmission and Distribution Automation Program – Group 3	Apr 2023	May-2023
TBD	Distribution Pole and Conductor Repair - Caguas Group 22	May 2023	Nov-2023
TBD	Distribution Pole and Conductor Repair - Caguas Group 23	May 2023	Nov-2023
TBD	Distribution Pole and Conductor Repair - Mayagüez Group 18	May 2023	Sep-2023
TBD	Distribution Pole and Conductor Repair - Mayagüez Group 19	May 2023	Sep-2023
TBD	Distribution Pole and Conductor Repair - San Juan Group 17	May 2023	Sep-2023
TBD	Distribution Pole and Conductor Repair - San Juan Group 18	May 2023	Sep-2023
TBD	Distribution Pole and Conductor Repair - San Juan Group 19	May 2023	Sep-2023
TBD	Distribution Pole and Conductor Repair - San Juan Group 20	May 2023	Sep-2023
TBD	Distribution Pole and Conductor Repair - San Juan Group 21	May 2023	Sep-2023
TBD	Distribution Pole and Conductor Repair - Ponce Group 17	May 2023	Sep-2023

FEMA Prj. #	Project Name	DSOW Submission Estimate	Construction Start Estimate
TBD	Distribution Pole and Conductor Repair - Ponce Group 18	May 2023	Sep-2023
TBD	Distribution Pole and Conductor Repair - Ponce Group 19	May 2023	Sep-2023
706498	Transmission and Distribution Automation Program – Group 4	May 2023	July-2023
TBD	Distribution Pole and Conductor Repair - Ponce Group 24	May 2023	Nov-2023
TBD	Distribution Pole and Conductor Repair - San Juan Group 22	May 2023	Nov-2023
TBD	Distribution Pole and Conductor Repair - San Juan Group 23	May 2023	Nov-2023
TBD	Distribution Pole and Conductor Repair - San Juan Group 24	May 2023	Nov-2023
TBD	Distribution Pole and Conductor Repair - San Juan Group 25	May 2023	Nov-2023
TBD	Distribution Pole and Conductor Repair - San Juan Group 26	May 2023	Nov-2023
TBD	Distribution Pole and Conductor Repair - San Juan Group 27	May 2023	Nov-2023
TBD	Distribution Pole and Conductor Repair - San Juan Group 28	May 2023	Nov 2023
334420	Distribution Feeder (Caguas Group 1)	May 2023	Sep 2024
334443	Distribution Feeder (Caguas Group 2)	May 2023	Sep 2024
334452	Distribution Feeder (Caguas Group 3)	May 2023	Sep 2024
334308	Distribution Feeder (Mayagüez Group 1)	May 2023	Sep 2024
334285	Distribution Feeder (Mayagüez Group 2)	May 2023	Sep 2024
334471	Distribution Feeder (San Juan Group 1)	May 2023	Sep 2024
TBD	Distribution Pole and Conductor Repair - San Juan Group 29	Jun 2023	Dec 2023
TBD	Distribution Pole and Conductor Repair - San Juan Group 30	Jun 2023	Dec 2023
TBD	Distribution Pole and Conductor Repair - San Juan Group 31	Jun 2023	Dec 2023
TBD	Distribution Pole and Conductor Repair - San Juan Group 32	Jun 2023	Dec 2023
TBD	Distribution Pole and Conductor Repair - San Juan Group 33	Jun 2023	Dec 2023
TBD	Distribution Pole and Conductor Repair - San Juan Group 34	Jun 2023	Dec 2023
TBD	Distribution Pole and Conductor Repair - San Juan Group 35	Jun 2023	Dec 2023
TBD	Distribution Pole and Conductor Repair - San Juan Group 36	Jun 2023	Dec 2023
334491	Distribution Feeder (Caguas Group 5)	Jun 2023	Oct 2024

FEMA Prj. #	Project Name	DSOW Submission Estimate	Construction Start Estimate
334497	Distribution Feeder (Caguas Group 6)	Jun 2023	Oct 2024
334518	Distribution Feeder (Caguas Group 7)	Jun 2023	Oct 2024
334477	Distribution Feeder (Carolina Group 3)	Jun 2023	Oct 2024
546386	Distribution Feeder (El Yunque Group)	Jun 2023	Oct 2024
334472	Distribution Feeder (San Juan Group 2)	Jun 2023	Oct 2024
546374	Distribution Feeder (San Juan Group 3)	Jun 2023	Oct 2024
436616	Distribution Feeder (Arecibo Group 1)	Jun 2023	Oct 2024
334473	Distribution Feeder (Bayamón Group 1)	Jun 2023	Oct 2024
334475	Distribution Feeder (Bayamón Group 3)	Jun 2023	Oct 2024

## IT & TELECOM

FEMA Prj. #	Project Name	DSOW Submission Estimate	Construction Start Estimate
657300	Energy Management System (EMS) (Obligated)	Jul-2022 (Complete)	Nov-2023
551925	SCADA Remote Access and RTU Replacements - Group 1	Jul-2022 (Complete)	May-2023
675345	IT OT Technology Systems Repairs	Mar-2023	Jun-2023
668665	Cybersecurity Program Implementation	Mar-2023	Jun-2021 (started)
551926	SCADA Remote Access and RTU Replacements - Group 2	Apr-2023	Nov-2023
551927	SCADA Remote Access and RTU Replacements - Group 3	May-2023	Jan-2024

## BUILDINGS

FEMA Prj. #	Project Name	DSOW Submission Estimate	Construction Start Estimate
679006	Test and Technology Laboratory	Nov-2022 (Complete)	Jul-2024

Exhibit 2

*Redline showing changes from December 2022 Update to PREPA-LUMA 90-Day Plan  
for T&D Projects to the March 2023 Update to  
PREPA-LUMA 90-Day Plan for T&D Projects*





FEMA



# LUMA 90-Day Plan

~~December 2022~~ March 2023



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## 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~~ the Puerto Rico Electric Power Authority's ("PREPA") Transmission and Distribution (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 various focus areas for LUMA.

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

The content below summarizes next steps across the following ~~six~~five areas: 1) *PREPA-LUMA Coordination and Alignment*; 2) *Federal Grant Management*; 3) *Funding and Reporting*; 4) *Environmental and Historic Preservation*; and 5) *Engineering Management*.

### 1. PREPA-LUMA Coordination and Alignment

- PREPA and LUMA ~~Focus Areas~~Goals for the Next 90 days
  - ~~PREPA~~ and LUMA leadership are participating in regular weekly meetings with the Central Office for Recovery, Reconstruction and Resiliency (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 T&D OMA.

### 2. Federal Grant Management

- LUMA ~~Focus Areas~~Goals for the Next 90 Days
  - ~~Continue~~ working with COR3 and FEMA to obtain Project Obligations for the ~~72~~37 Detailed SOWs submitted to date (i.e., ~~75~~ Substation Rebuild projects, ~~46~~15 Transmission Line Rebuild projects, 3 Substation Minor Repair projects, 3 Substation Physical Security

projects, ~~21~~ Transmission Pole Replacement projects, and ~~346~~ Distribution Pole and Conductor Replacement projects, ~~52~~ Streetlight projects, 1 SCADA Remote Access and RTU Replacements project and 1 IT and Telecommunications projects).

- ~~•~~ Continue advancing work on Section 428 projects towards finalizing *Detailed* SOWs for submission to COR3 and FEMA. This effort includes Section 406 Hazard Mitigation and EHP work. Expect to submit *Detailed* SOWs within the next 90-day period as per target schedule in Section IV.
- ~~•~~ Continue refinement of Section 406 Hazard Mitigation Strategies for Distribution, Transmission, Substation and Streetlights and ongoing discussions with COR3 and FEMA for feedback and alignment.
- ~~• Developed an initial Scope of Work for the system network upgrades necessary to interconnect privately owned energy projects of Tranche I. The project proposal will be presented to FEMA under Section 406 Hazard Mitigation.~~
- During the ~~last~~Last 90-~~day period~~Day Period, LUMA ~~completed~~Completed the ~~following~~Following:
  - Submitted ~~3817~~ 37 million *Detailed* SOWs to FEMA for approval representing ~~\$1.02 billion~~ in capital investments.
  - Obtained FEMA Authorization and Project Obligations on *Detailed* SOWs for ~~939~~ 287 *Detailed* SOWs representing ~~\$72~~ million in capital investments.
  - Progressed construction activities on 29 projects representing \$0.11 billion.
  - Constructed and energized five projects to date.

### 3. Funding and Reporting

#### Funding and Reporting

- LUMA ~~Focus Areas~~Goals for the Next 90 Days
  - ~~•~~ Continue tracking project actual costs in accordance with FEMA, HUD, and COR3 standards to support financial reporting requirements for federally funded projects.
- ~~• Submitted progress and financial quarterly reports for period ending 9/30/2022 on all 428 obligated projects~~
- During the Last 90-Day Period, LUMA Completed the Following:

- ~~Submitted \$24.0~~34.2 million in requests for reimbursements (RFRs) to COR3 to date and has another \$435 million in process to be submitted during the next 90 day period.
- ~~Commenced~~Continued the implementation of Time Reporting and Enhancements technology project to automate RFR process related to Federally Funded Projects and accelerate submissions to COR3 while ensuring federal compliance.
- ~~Incorporated~~ additional best practices from RFRs submitted to date to prioritize projects, and optimize preparation time and overall quality of documentation for RFR submissions moving forward.
- ~~Engaged~~ with our grid recovery partners on additional Federal Funding opportunities to include Department of Energy electrical system improvement Grants, Grid Resiliency and Innovation Partnership (GRIP) grants, HUD and PRDOH CDBG-DR Programs for Hazard mitigation, Grid Resilience and Cost Share as well as FEMA Section 406 Hazard Mitigation proposals in all major asset categories and projects.
- ~~Worked~~ on additional initial proposals utilizing the FEMA/SHPO Section 404 Hazard Mitigation program with ~~four~~six key back-up projects proposed and developed, representing \$900 million, should additional Section 404 HMGP funds become available.

#### 4. Environmental and Historic Preservation

- ~~LUMA Focus Areas~~Goals for the Next 90 days
  - ~~Continue to consult with FEMA and COR3 on Project-Specific Programmatic Agreement (PSPA) measures specific to streetlight, telecommunications, substations, transmission, and distribution projects~~Fish and Wildlife Service (FWS).
  - Review Vegetation Management Plan to comply with FWS requirements.
  - Review Luma HSE Environmental Policies-0315-Vegetation Management; 340-Stormwater & Erosion Control; 0335-Wildlife, Avian and Historical Resources Protection 0325-Working Near Waterbodies.
  - Develop underground injection control system closures template.
- During the ~~lastLast 90-day period~~Day Period, LUMA ~~completed~~Completed the following~~Following~~:
  - ~~Streamlined~~Collaborated on streamlining consultation process with FEMA relating to environmental studies, pre-construction, and construction disturbances and vegetation ~~clearing~~management.
  - ~~Continue to provide environmental training for A&E, construction contractors and LUMA operations crews in support of compliance with EHP requirements~~



- Continue to review initial FEMA Record of Environmental Considerations (RECs) for approved projects to implement conditions into project scopes.
- Continue to support 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.
- ~~Develop EHP Closeout guideline~~
- Continued notifying and requesting endorsements from government agencies for projects obligated by FEMA (LUMA's Capital Programs and Permitting Office).
- Onboard an archaeologist resource to perform historical evaluation on projects.
- Contact ICP and SHPO leadership to introduce archaeologist and streamline process.
- Provide environmental support for Fiona projects.

## 5. Engineering Management

- LUMA ~~Focus Areas~~ Goals for Next 90 Day Report
  - ~~Continue~~ with preliminary engineering design work with existing A/E firms towards the development of *Detailed SOWs*.
  - ~~Continue~~ detailed engineering on all projects with FEMA approved *Detailed SOWs*.
  - ~~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*.
  - ~~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.
  - Continue refining feeder technology requirements for the distribution feeder rebuild program.
  - ~~Continue~~ working the area plan analysis to identify contingency issues and provide a backup analysis to determine sectionalization and segmentation needs (e.g., installation of reclosers).
  - Continue area planning analysis on the T&D system with focus on critical areas including airport supplies, hard to reach outlying areas to provide back up during outages, and high load growth areas.

- During the ~~last~~Last 90-~~day-period~~Day Period, LUMA ~~completed~~Completed the ~~following~~Following:
  - Assigned additional Substation and Transmission Line rebuild project engineering packages to engineering firms to finalize engineering scope, budget, and schedule and begin preliminary engineering design in October.
  - Completed the planning technical studies and functional specifications on 22 transmission lines and ~~6~~7 substations for long-term transmission reliability solutions.
  - Completed load interconnection reliability studies on 6 load interconnections.
  - Completed line reliability recloser studies on twenty-two 38 kV transmission lines.
  - Completed transmission line outage matrix studies on 15 transmission lines.
  - Completed 2022 day-peak and night-peak power flow model development.
  - Completed planning and analysis on ~~49~~98 additional distribution feeders.

### 3. III. 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 tables below show the current set of projects, by asset category, 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.

#### SUBSTATIONS

FEMA Prj. #	Project Name	DSOW Submission Estimate	Construction Start Estimate
174422	<del>Catano</del> <u>Cataño</u> Modernization & Hardening <del>(Obligated)</del>	Oct-2021 (Complete)	<del>Apr</del> <u>Jun</u> -2023
165209	Culebra 3801 Substation <del>(Obligated)</del>	Apr-2022 (Complete)	<del>Mar</del> <u>Nov</u> -2023

FEMA Prj. #	Project Name	DSOW Submission Estimate	Construction Start Estimate
165225	Vieques 2501 Substation- <del>(Obligated)</del>	Apr-2022 (Complete)	<del>Mar</del> Nov-2023
179558	Manati TC BKR - T005- <del>(Obligated)</del>	May-2022 (Complete)	Nov-2022 ( <del>Completed</del> Sta rted)
165268	Rio Grande Estates - CH – 2306	May-2022 (Complete)	<del>May</del> Jul-2024
169495	Tapia GIS 1102	May-2022 (Complete)	<del>Jun</del> May-2024
169058	Llorens Torres 1106	May-2022 (Complete)	<del>Oct-2024</del> May-2 025
169266	Centro Medico 1327 & 1359	May-2022 (Complete)	<del>Jan</del> Jun-2024
169896	Costa Sur TC- <del>(Obligated)</del>	Jun-2022 (Complete)	<del>Feb</del> Jan-2024
178258	Taft 1105	Jun-2022 (Complete)	<del>Mar</del> Nov-2026
169500	<del>Bayamon</del> Bayamón TC - BKRS Y1 - 1711	Jul-2022 (Complete)	<del>Nov</del> Dec-2023
178503	Aguirre TC -BKRS	Nov-2022 (Complete)	<del>Nov-2023</del> Jan-2 024
<del>178577</del>	<del>Cachete 1526-</del>	<del>Feb-2023</del>	<del>Nov-2023</del>
<del>169276</del>	<del>Viaducto TC 1100-</del>	<del>Feb-2023</del>	<del>Oct-2023</del>
546370	Substation Minor Repairs-Group A	Apr-2022 (Complete)	<del>Mar</del> Oct-2023
542758	Substation Minor Repairs-Group B	Jul-2022 (Complete)	<del>Apr</del> May-2023
546371	Substation Minor Repairs-Group C	Jun-2022 (Complete)	<del>Jul-2023</del> Jan-2 024
549715	Substation Minor Repairs-Group D	<del>Feb</del> Apr-2023	<del>Sep-2023</del> Apr-2 024
549725	Substation Minor Repairs-Group E	<del>Feb</del> Apr-2023	<del>Sep-2023</del> Apri- 2024
550910	Physical Security Group 1	Apr-2022 (Complete)	<del>Mar</del> Apr-2023
549764	Physical Security Group 2	Jul-2022 (Complete)	<del>Apr</del> Sept-2023
551861	Physical Security Group 3	Jun-2022 (Complete)	<del>May</del> Nov-2023
660422	Physical Security Group 4	<del>Feb</del> Apr-2023	<del>Jun-2023</del> Apr-2



FEMA Prj. #	Project Name	DSOW Submission Estimate	Construction Start Estimate
			<a href="#">024</a>
684920	Substations HV Equipment Replacement <a href="#">Group 1</a>	<del>Feb</del> <a href="#">Apr</a> -2023	<del>Mar</del> <a href="#">Apr</a> -2023
<a href="#">169276</a>	<a href="#">Viaducto TC 1100</a>	<a href="#">Apr-2023</a>	<a href="#">Apr-2024</a>
<a href="#">550980</a>	<a href="#">Parques y Recreos</a>	<a href="#">May-2023</a>	<a href="#">Dec-2024</a>
<a href="#">547243</a>	<a href="#">Egozcue</a>	<a href="#">May-2023</a>	<a href="#">Dec-2024</a>
<a href="#">550986</a>	<a href="#">Condado 1113</a>	<a href="#">May-2023</a>	<a href="#">Jun-2024</a>
<a href="#">551918</a>	<a href="#">Crematorio 1512</a>	<a href="#">May-2023</a>	<a href="#">Aug- 2024</a>
<a href="#">550099</a>	<a href="#">Esc. Industrial Miguel Such 1423</a>	<a href="#">May-2023</a>	<a href="#">Nov-2024</a>
<a href="#">551912</a>	<a href="#">Puerto Nuevo Metalclad 1520</a>	<a href="#">May-2023</a>	<a href="#">Dec-2024</a>
<a href="#">547241</a>	<a href="#">Tallaboa 5402</a>	<a href="#">May-2023</a>	<a href="#">Jan-2025</a>
<a href="#">547344</a>	<a href="#">Acacias TC Relocation</a>	<a href="#">May-2023</a>	<a href="#">Jun-2025</a>
<a href="#">550894</a>	<a href="#">Baldrich 1422</a>	<a href="#">May-2023</a>	<a href="#">Jun-2025</a>
<a href="#">550162</a>	<a href="#">Berwind TC- Metalclad - 1336</a>	<a href="#">Jun-2023</a>	<a href="#">Jun-2025</a>
<a href="#">178577</a>	<a href="#">Cachete 1526</a>	<a href="#">Jun-2023</a>	<a href="#">Sep-2024</a>
<a href="#">551200</a>	<a href="#">Guaynabo Pueblo Rebuild</a>	<a href="#">June-2023</a>	<a href="#">Feb-2025</a>
<a href="#">550106</a>	<a href="#">Conquistador - CH</a>	<a href="#">Jun--2023</a>	<a href="#">Mar-2023</a>
<a href="#">TBD</a>	<a href="#">Sabana Llana TC</a>	<a href="#">June 2023</a>	<a href="#">Jan 2025</a>
<a href="#">TBD</a>	<a href="#">Salinas Substation</a>	<a href="#">June 2023</a>	<a href="#">Jan 2025</a>
<a href="#">TBD</a>	<a href="#">Jobos TC</a>	<a href="#">June 2023</a>	<a href="#">Jan 2025</a>
<a href="#">TBD</a>	<a href="#">San Juan SP TC</a>	<a href="#">June 2023</a>	<a href="#">Jan 2025</a>
<a href="#">TBD</a>	<a href="#">Guayanilla Substation</a>	<a href="#">June 2023</a>	<a href="#">Jan 2025</a>
<a href="#">TBD</a>	<a href="#">Monacillos Substation</a>	<a href="#">June 2023</a>	<a href="#">Jan 2025</a>
<a href="#">TBD</a>	<a href="#">Vieques Substation (Phase 2)</a>	<a href="#">June 2023</a>	<a href="#">Jan 2025</a>
<a href="#">TBD</a>	<a href="#">Culebra Substation (Phase 2)</a>	<a href="#">June 2023</a>	<a href="#">Jan 2025</a>

## TRANSMISSION\*

FEMA Prj. #	Project Name	DSOW Submission Estimate	Construction Start Estimate
<del>1468226</del>	<del>38000 - San Juan - Isla Grande (LOOP)</del>	<del>May-2022 (Complete)</del>	<del>Dec-2023</del>
176971	8200 - San Juan SP - <del>Cataño</del> <a href="#">Cataño</a> Sect.	Jul-2022	<del>Sep</del> <a href="#">Oct</a> -2024

~~December 2022~~  
[March 2023](#)

FEMA Prj. #	Project Name	DSOW Submission Estimate	Construction Start Estimate
		(Complete)	
180052	Existing 38kV - Line 100, Line 200 Ponce TC to Jobos TC	Aug-2022 (Complete)	<del>Aug</del> Nov-2024
180326	Existing 115 kV - Line 36800 Palmer Fajardo <del>to</del> Sabana Llana	Aug-2022 (Complete)	Jun-2024
166904	37800 - Caguas – Monacillo	Aug-2022 (Complete)	<del>Apr</del> May-2024
167443	36200 - Monacillos - Juncos	Aug-2022 (Complete)	Jun-2027
176913	9500 - Palo Seco SP - <del>Cantano</del> Cantaño Sect	Aug-2022 (Complete)	Jul-2024
176954	1100 - Garzas 1 HP - Garzas 2 HP	Aug-2022 (Complete)	Jul-2024
168483	36400 - Dos Bocas - Ponce	Aug-2022 (Complete)	May-2025
166860	37800 - Jobos – Caguas	Aug-2022 (Complete)	<del>Nov</del> Dec-2025
167168	37100 - Costa Sur - Acacias	Aug-2022 (Complete)	Nov-2024
177191	39000 - Aguas Buenas – Caguas	Sep-2022 (Complete)	Dec-2024
165213	Main Land 5400 - Rio Blanco HP - Dagua TC	Nov-2022 (Complete)	<del>Aug</del> Sep-2024
167508	50100 - Cambalache - Manati	Nov-2022 (Complete)	Aug-2027
166707	51300 - Ponce - Costa Sur	Nov-2022 (Complete)	<del>Jul</del> Sep-2024
177134	4100 - Guaraguo TC - Comerio TC	Nov-2022 (Complete)	<del>Apr</del> Aug-2024
<del>1674466</del> <u>81672</u>	<del>36100 – Dos Bocas – Monacillos</del> FAAST Transmission Priority Pole Replacements –38kV Line 2300	<del>Jan-2023</del> Nov-2022 (Complete)	<del>Oct-2024</del> Sept-2023
<del>6686691</del> <u>68226</u>	<del>230kV</del> FAAST San Juan 115kV Underground Transmission <del>Priority Poles Replacements – Mora 50500</del> Loop	<del>Mar-2022</del> <del>Apr-2022</del> (Complete)Completed	<del>Dec-2021</del> (Complete)Aug-2023
334468	<del>38kV</del> FAAST [Transmission Priority Pole <del>Replacement</del> Replacements – Line 2200-(Obligated)]	<del>April-2022</del> <del>May-2022</del> (Complete)Completed	<del>Feb</del> May-2023
<del>5508966</del>	<del>38kV</del> Transmission Priority Pole Replacement Line 6700	Jun-2022	May <del>Dec</del> -2023

FEMA Prj. #	Project Name	DSOW Submission Estimate	Construction Start Estimate
<a href="#">68592</a>	<del>(Obligated)</del> <a href="#">FAAST [Line 9800 Bayamón TC - Guaraguo Sect]</a>	<del>(Complete)</del> <a href="#">(Completed)</a>	
<del>6685835</del> <a href="#">50896</a>	<del>38kV-FAAST</del> [Transmission Priority Pole <del>Replacement</del> <a href="#">Replacements – Line 13300 (Obligated) 6700</a> ]	Jun-2022 <del>(Complete)</del> <a href="#">(Completed)</a>	<del>Apr</del> <a href="#">April</a> -2023
<del>6685926</del> <a href="#">68583</a>	<del>38kV-FAAST</del> [Transmission Priority Pole <del>Replacement</del> <a href="#">Replacements – Line 9800 (Obligated) 13300</a> ]	Jun-2022 <del>Jul-2022</del> <del>(Complete)</del> <a href="#">Completed</a>	<del>Mar</del> <a href="#">Oct</a> -2023
<a href="#">167446</a>	<a href="#">36100 - Dos Bocas – Monacillos</a>	<a href="#">June 2023</a>	<a href="#">Oct-2024</a>
<del>6816724</del> <a href="#">35257</a>	<del>38kV Transmission Priority Pole Replacement Line 2300</del> <a href="#">36200 - Fajardo to Rio Blanco (Evaluating for relocation)</a>	<del>Nov-2022</del> <del>(Complete)</del> <a href="#">June 2023</a>	<del>May-2023</del> <a href="#">March-2028</a>
<a href="#">334470</a>	<a href="#">3100 - Monacillo TC to Daguo TC</a>	<a href="#">June 2023</a>	<a href="#">February-2026</a>
<a href="#">551911</a>	<a href="#">9100 - Guaraguo TC to Bayamón Pueblo Sect.</a>	<a href="#">June 2023</a>	<a href="#">July-2025</a>
<a href="#">547259</a>	<a href="#">2700 - Victoria TC to Quebradillas Sect.</a>	<a href="#">June 2023</a>	<a href="#">April-2025</a>
<a href="#">547269</a>	<a href="#">2800 - Aguadilla Hospital Distrito Sect to T-Bone TO</a>	<a href="#">June 2023</a>	<a href="#">January-2027</a>
<a href="#">334482</a>	<a href="#">3000 - Monacillos TC to Martin Pena</a>	<a href="#">June 2023</a>	<a href="#">December-2025</a>
<a href="#">547350</a>	<a href="#">13300 - Bayamón Tc to Plaza del Sol</a>	<a href="#">June 2023</a>	<a href="#">June-2026</a>
<a href="#">550019</a>	<a href="#">600 - Caguas TC to Gautier Benitez Sect.</a>	<a href="#">June 2023</a>	<a href="#">February-2027</a>

\*Revised versions of some projects will be submitted to include Section 406 mitigation measures per FEMA Guidance June 2023.

## DISTRIBUTION

FEMA Prj. #	Project Name	DSOW Submission Estimate	Construction Start Estimate
<del>16522</del> <a href="#">6</a>	<del>Vieques Feeders 2501-01, 2501-02, 2501-03 and Culebra Feeders 3801-01, 3801-02</del>	<del>Dec-2022</del>	<del>Oct-2023</del>

~~December 2022~~  
March 2023

FEMA Prj. #	Project Name	DSOW Submission Estimate	Construction Start Estimate
54269 0	<del>Streetlighting—Maunabo (Obligated)</del>	<del>Feb-2022 (Complete)</del>	<del>Jun-2022 (Started)</del>
54268 8	<del>Streetlighting—Aguada (Obligated)</del>	<del>Mar-2022 (Complete)</del>	<del>Jun-2022 (Started)</del>
54275 6	<del>Streetlighting—Guanica (Obligated)</del>	<del>Mar-2022 (Complete)</del>	<del>Aug-2022 (Started)</del>
54268 7	<del>Streetlighting—Lajas (Obligated)</del>	<del>Mar-2022 (Complete)</del>	<del>Jul-2022 (Started)</del>
54251 7	<del>Streetlighting—Luquillo (Obligated)</del>	<del>Mar-2022 (Complete)</del>	<del>Jun-2022 (Started)</del>
66023 9	<del>Streetlighting—Villalba (Obligated)</del>	<del>Jul-2022 (Complete)</del>	<del>Oct-2022 (Started)</del>
65971 5	<del>Streetlighting—Aibonito</del>	<del>Jul-2022 (Complete)</del>	<del>Nov-2022 (Started)</del>
65962 3	<del>Streetlighting—Catano</del>	<del>Jul-2022 (Complete)</del>	<del>Nov-2022 (Started)</del>
65962 5	<del>Streetlighting—Dorado</del>	<del>Aug-2022 (Complete)</del>	<del>Nov-2022 (Started)</del>
66022 7	<del>Streetlighting—Hatillo</del>	<del>Aug-2022 (Complete)</del>	<del>Nov-2022 (Started)</del>
66043 7	<del>Streetlighting—Manati</del>	<del>Aug-2022 (Complete)</del>	<del>Nov-2022 (Started)</del>
67350 4	<del>Streetlighting—Gurabo</del>	<del>Feb-2023</del>	<del>Jun-2023</del>
65996 8	<del>Streetlighting—San German</del>	<del>Feb-2023</del>	<del>Jun-2023</del>
66689 4	<del>Streetlighting—San Juan</del>	<del>Mar-2023</del>	<del>Jul-2023</del>
67150 2	<del>Streetlighting—Yabucoa</del>	<del>Mar-2023</del>	<del>Aug-2023</del>
67140 0	<del>Streetlighting—Barceloneta</del>	<del>Mar-2023</del>	<del>Aug-2023</del>
67139 6	<del>Streetlighting—Utuado</del>	<del>Mar-2023</del>	<del>Aug-2023</del>
33432 3	Distribution Pole and Conductor Repair- Ponce Group 1 <del>(Obligated)</del>	Jan-2022 <u>2022</u> (Complete)	Mar- <del>2022</del> <u>2022</u> (Started)
33432 9	Distribution Pole and Conductor Repair- Ponce Group 2 <del>(Obligated)</del>	Jan-2022 <u>2022</u> (Complete)	<del>Feb-2023</del> <u>Jun 2023</u>
54276	<del>Distribution Pole and Conductor Repair-Arecibo Group 2</del>	<del>Feb-2022</del>	<del>Mar-2022</del> <u>Jun 2022</u>

FEMA Prj. #	Project Name	DSOW Submission Estimate	Construction Start Estimate
<a href="#">2542690</a>	<del>(Obligated)</del> <a href="#">Streetlighting – Maunabo</a>	<a href="#">2022</a> (Complete)	<del>(Complete)</del> <a href="#">Started</a>
334488	Distribution Pole and Conductor Repair-Caguas Group 4 <del>(Obligated)</del>	Feb- <del>2022</del> <a href="#">2022</a> (Complete)	May- <del>2022</del> <a href="#">2022</a> (Started)
<del>334527542688</del>	<del>Distribution Pole and Conductor Repair-Caguas Group 8</del> <del>(Obligated)</del> <a href="#">Streetlighting – Aguada</a>	<del>Feb-2022</del> <a href="#">Mar 2022</a> (Complete)	<del>Sep-2022</del> <a href="#">Jun 2022</a> (Complete) <a href="#">Started</a>
<del>673839542756</del>	<del>Distribution Pole and Conductor Repair-Bayamon Group 2</del> <del>(Obligated)</del> <a href="#">Streetlighting – Guanica</a>	<del>Jun-2022</del> <a href="#">Mar 2022</a> (Complete)	<del>Apr-2022</del> <a href="#">Aug 2022</a> (Complete) <a href="#">Started</a>
<a href="#">542687</a>	<a href="#">Streetlighting – Lajas</a>	<a href="#">Mar 2022</a> (Complete)	<a href="#">Jul 2022</a> (Started)
<a href="#">542517</a>	<a href="#">Streetlighting – Luquillo</a>	<a href="#">Mar 2022</a> (Complete)	<a href="#">Jun 2022</a> (Started)
674092	Distribution Pole and Conductor Repair-Caguas Group 5 <del>(Obligated)</del>	Jun- <del>2022</del> <a href="#">2022</a> (Complete)	Nov- <del>2022</del> <a href="#">2022</a> (Started)
674098	Distribution Pole and Conductor Repair-Caguas Group 7 <del>(Obligated)</del>	Jun- <del>2022</del> <a href="#">2022</a> (Complete)	<a href="#">Feb 2023</a> <del>Dec-2022</del> <a href="#">Started</a>
673847	Distribution Pole and Conductor Repair-Carolina Group 2 <del>(Obligated)</del>	Jun- <del>2022</del> <a href="#">2022</a> (Complete)	Mar- <del>2022</del> <a href="#">2022</a> (Started)
673848	Distribution Pole and Conductor Repair-Carolina Group 3 <del>(Obligated)</del>	Jun- <del>2022</del> <a href="#">2022</a> (Complete)	Jan- <del>2022</del> <a href="#">2022</a> (Started)
673774	Distribution Pole and Conductor <del>Repair-Mayaguez</del> <del>Group</del> <a href="#">Repair-Mayagüez Group 1</a> <del>(Obligated)</del>	Jun- <del>2022</del> <a href="#">2022</a> (Complete)	Mar- <del>2022</del> <a href="#">2022</a> (Started)
673795	Distribution Pole and Conductor Repair- <del>Mayaguez</del> <a href="#">Mayagüez</a> Group 4 <del>(Obligated)</del>	Jun- <del>2022</del> <a href="#">2022</a> (Complete)	Mar- <del>2023</del> <a href="#">2023</a>
673818	Distribution Pole and Conductor Repair- San Juan Group 1 <del>(Obligated)</del>	Jun- <del>2022</del> <a href="#">2022</a> (Complete)	Nov- <del>2021</del> <a href="#">2021</a> (Started)
673838	Distribution Pole and Conductor Repair- San Juan Group 2 <del>(Obligated)</del>	Jun- <del>2022</del> <a href="#">2022</a> (Complete)	<del>Dec-2022</del> <a href="#">May 2023</a>
<a href="#">660239</a>	<a href="#">Streetlighting- Villalba</a>	<a href="#">Jul 2022</a> (Complete)	<a href="#">Oct 2022</a> (Started)
673771	Distribution Pole and Conductor Repair-Arecibo Group 1 <del>(Obligated)</del>	Jul- <del>2022</del> <a href="#">2022</a>	Nov- <del>2021</del> <a href="#">2021</a> (Started)

FEMA Prj. #	Project Name	DSOW Submission Estimate	Construction Start Estimate
		(Complete)	
67383 6	Distribution Pole and Conductor <del>Repair-Bayamon</del> <u>Repair- Bayamón</u> Group 1	Jul- <del>2022</del> <u>2022</u> (Complete)	Mar- <del>2022</del> <u>2022</u> (Started)
67384 3	Distribution Pole and Conductor <del>Repair-Bayamon</del> <u>Repair- Bayamón</u> Group 3- <del>(Obligated)</del>	Jul- <del>2022</del> <u>2022</u> (Complete)	<u>Feb 2023</u> <del>Dec-2022</del> <u>(Started)</u>
67407 2	Distribution Pole and Conductor Repair-Caguas Group 1- <del>(Obligated)</del>	Jul- <del>2022</del> <u>2022</u> (Complete)	Nov- <del>2022</del> <u>2022</u> (Started)
<u>65971</u> <u>5</u>	<u>Streetlighting – Aibonito</u>	<u>Jul 2022</u> (Complete)	<u>Nov 2022</u> (Started)
<u>65962</u> <u>3</u>	<u>Streetlighting - Cataño</u>	<u>Jul 2022</u> (Complete)	<u>Nov 2022</u> (Started)
67408 3	Distribution Pole and Conductor Repair-Caguas Group 2- <del>(Obligated)</del>	Jul- <del>2022</del> <u>2022</u> (Complete)	<del>Dec-2022</del> <u>Jun 2023</u>
67408 8	Distribution Pole and Conductor Repair-Caguas Group 3- <del>(Obligated)</del>	Jul- <del>2022</del> <u>2022</u> (Complete)	Dec- <del>2021</del> <u>2021</u> (Started)
67409 6	Distribution Pole and Conductor Repair-Caguas Group 6 <del>(Obligated)</del>	Jul- <del>2022</del> <u>2022</u> (Complete)	<u>Feb 2023</u> <del>Dec-2022</del> <u>(Started)</u>
67377 2	Distribution Pole and Conductor Repair- <del>Mayaguez</del> <u>Mayagüez</u> Group 2 <del>(Obligated)</del>	Jul- <del>2022</del> <u>2022</u> (Complete)	Mar- <del>2023</del> <u>2023</u>
67377 5	Distribution Pole and Conductor Repair- <del>Mayaguez</del> <u>Mayagüez</u> Group 3	Jul- <del>2022</del> <u>2022</u> (Complete)	Dec- <del>2021</del> <u>2021</u> (Started)
67384 4	Distribution Pole and Conductor Repair- San Juan Group 3- <del>(Obligated)</del>	Jul- <del>2022</del> <u>2022</u> (Complete)	<del>Dec-2022</del> <u>May-2023</u>
<u>65962</u> <u>5</u>	<u>Streetlighting- Dorado</u>	<u>Aug 2022</u> (Complete)	<u>Nov-2022</u> (Started)
<u>66022</u> <u>7</u>	<u>Streetlighting- Hatillo</u>	<u>Aug 2022</u> (Complete)	<u>Nov-2022</u> (Started)
<u>66043</u> <u>7</u>	<u>Streetlighting- Manati</u>	<u>Aug 2022</u> (Complete)	<u>Nov-2022</u> (Started)
67898 5	Distribution Pole and Conductor Repair - <del>Bayamon</del> <u>Bayamón</u> Group 4	Aug- <del>2022</del> <u>2022</u> (Complete)	<del>Jan</del> <u>Feb</u> -2023 (Started)
67902 5	Distribution Pole and Conductor Repair - San Juan Group 4	Aug- <del>2022</del> <u>2022</u>	<del>Feb</del> <u>May</u> -2023

FEMA Prj. #	Project Name	DSOW Submission Estimate	Construction Start Estimate
		(Complete)	
67903 3	Distribution Pole and Conductor Repair - Caguas Group 9	Aug- <del>2022</del> <u>2022</u> (Complete)	<del>Jan</del> <u>Jun</u> -2023
67912 7	Distribution Pole and Conductor Repair - Arecibo Group 3	Aug- <del>2022</del> <u>2022</u> (Complete)	<del>Feb</del> <u>Apr</u> -2023
67914 9	Distribution Pole and Conductor Repair – <del>Mayaguez</del> <u>Mayagüez</u> Group 5	Aug- <del>2022</del> <u>2022</u> (Complete)	<del>Feb</del> <u>Jul</u> -2023
67945 7	Distribution Pole and Conductor Repair - Ponce Group 3	Aug- <del>2022</del> <u>2022</u> (Complete)	<del>Feb</del> <u>Jun</u> -2023
67898 8	Distribution Pole and Conductor Repair - <del>Bayamon</del> <u>Bayamón</u> Group 5	Sep- <del>2022</del> <u>2022</u> (Complete)	<del>Feb</del> <u>Jun</u> -2023
67902 6	Distribution Pole and Conductor Repair - San Juan Group 5	Sep- <del>2022</del> <u>2022</u> (Complete)	<del>Jan</del> <u>May</u> -2023
67913 3	Distribution Pole and Conductor Repair - Arecibo Group 4	Sep- <del>2022</del> <u>2022</u> (Complete)	<del>Feb</del> <u>Apr</u> -2023
67913 4	Distribution Pole and Conductor Repair - Caguas Group 10	Sep- <del>2022</del> <u>2022</u> (Complete)	<del>Jan</del> <u>Jun</u> -2023
67915 3	Distribution Pole and Conductor Repair – <del>Mayaguez</del> <u>Mayagüez</u> Group 6	Sep- <del>2022</del> <u>2022</u> (Complete)	<del>Feb</del> <u>Jul</u> -2023
67945 8	Distribution Pole and Conductor Repair - Ponce Group 4	Sep- <del>2022</del> <u>2022</u> (Complete)	<del>Jan</del> <u>Jun</u> -2023
68547 7	Distribution Pole and Conductor Repair - Arecibo Group 6	Nov- <del>2022</del> <u>2022</u> (Complete)	Apr-2023
68291 0	Distribution Pole and Conductor Repair - <del>Bayamon</del> <u>Bayamón</u> Group 7	Nov- <del>2022</del> <u>2022</u> (Complete)	Apr-2023
68289 0	Distribution Pole and Conductor Repair - Caguas Group 12	Nov- <del>2022</del> <u>2022</u> (Complete)	Apr-2023
68537 0	Distribution Pole and Conductor Repair – <del>Mayaguez</del> <u>Mayagüez</u> Group 8	Nov- <del>2022</del> <u>2022</u> (Complete)	Mar-2023
68526	Distribution Pole and Conductor Repair - Ponce Group 6	Nov- <del>2022</del>	Apr-2023

FEMA Prj. #	Project Name	DSOW Submission Estimate	Construction Start Estimate
3		<a href="#">2022</a> (Complete)	
68286 5	Distribution Pole and Conductor Repair - San Juan Group 7	Nov- <del>2022</del> <a href="#">2022</a> (Complete)	May-2023
68213 5	Distribution Pole and Conductor Repair - <del>Bayamon</del> <a href="#">Bayamón</a> Group 8	Nov- <del>2022</del> <a href="#">2022</a> (Complete)	May-2023
68232 4	Distribution Pole and Conductor Repair - Caguas Group 13	Nov- <del>2022</del> <a href="#">2022</a> (Complete)	May-2023
68287 0	Distribution Pole and Conductor Repair - San Juan Group 6	Nov- <del>2022</del> <a href="#">2022</a> (Complete)	Apr-2023
68288 2	Distribution Pole and Conductor Repair - Caguas Group 11	Nov- <del>2022</del> <a href="#">2022</a> (Complete)	Apr-2023
68289 8	Distribution Pole and Conductor Repair - <del>Bayamon</del> <a href="#">Bayamón</a> Group 6	Nov- <del>2022</del> <a href="#">2022</a> (Complete)	Apr-2023
68594 3	Distribution Pole and Conductor Repair - Ponce Group 5	Nov- <del>2022</del> <a href="#">2022</a> (Complete)	Apr-2023
68645 3	Distribution Pole and Conductor Repair - <del>Mayaguez</del> <a href="#">Mayagüez</a> Group 7	Nov- <del>2022</del> <a href="#">2022</a> (Complete)	Mar-2023
68647 1	Distribution Pole and Conductor Repair - Arecibo Group 5	Nov- <del>2022</del> <a href="#">2022</a> (Complete)	Apr-2023
<a href="#">16522</a> <a href="#">6</a>	<a href="#">Vieques Feeders 2501-01, 2501-02, 2501-03 and Culebra Feeders 3801-01, 3801-02</a>	<a href="#">Dec 2022</a> (Complete)	<a href="#">Oct-2023</a>
68217 8	Distribution Pole and Conductor Repair - Arecibo Group 7	Dec- <del>2022</del> <a href="#">2022</a> (Complete)	May-2023
68221 0	Distribution Pole and Conductor Repair - <del>Mayaguez</del> <a href="#">Mayagüez</a> Group 9	Dec- <del>2022</del> <a href="#">2022</a> (Complete)	May-2023
68648 0	Distribution Pole and Conductor Repair - Ponce Group 7	Dec- <del>2022</del> <a href="#">2022</a> (Complete)	May-2023
68202 8	Distribution Pole and Conductor Repair - San Juan Group 8	Dec- <del>2022</del> <a href="#">2022</a> (Complete)	May-2023
68217	Distribution Pole and Conductor Repair - Arecibo Group 8	Dec- <del>2022</del>	May-2023



FEMA Prj. #	Project Name	DSOW Submission Estimate	Construction Start Estimate
2		<a href="#">2022</a> (Complete)	
68213 6	Distribution Pole and Conductor Repair - <del>Bayamon</del> <a href="#">Bayamón</a> Group 9	Dec- <del>2022</del> <a href="#">2022</a> (Complete)	May-2023
68237 3	Distribution Pole and Conductor Repair - Caguas Group 14	Dec- <del>2022</del> <a href="#">2022</a> (Complete)	May-2023
68218 0	Distribution Pole and Conductor Repair - <del>Mayaguez</del> <a href="#">Mayagüez</a> Group 10	Dec- <del>2022</del> <a href="#">2022</a> (Complete)	May-2023
68222 8	Distribution Pole and Conductor Repair - Ponce Group 8	Dec- <del>2022</del> <a href="#">2022</a> (Complete)	May-2023
68203 1	Distribution Pole and Conductor Repair - San Juan Group 9	Dec- <del>2022</del> <a href="#">2022</a> (Complete)	May-2023
68862 7	Distribution Pole and Conductor Repair - Arecibo Group 9	Dec- <del>2022</del> <a href="#">2022</a> (Complete)	May-2023
68809 6	Distribution Pole and Conductor Repair - Caguas Group 15	Dec- <del>2022</del> <a href="#">2022</a> (Complete)	May-2023
68847 2	Distribution Pole and Conductor Repair - <del>Mayaguez</del> <a href="#">Mayagüez</a> Group 11	Dec- <del>2022</del> <a href="#">2022</a> (Complete)	May-2023
68877 4	Distribution Pole and Conductor Repair - Ponce Group 9	Dec- <del>2022</del> <a href="#">2022</a> (Complete)	Jun-2023
69124 6	Distribution Pole and Conductor Repair - San Juan Group 10	Dec- <del>2022</del> <a href="#">2022</a> (Complete)	Jun-2023
68810 9	Distribution Pole and Conductor Repair - San Juan Group 11	Dec- <del>2022</del> <a href="#">2022</a> (Complete)	Jun-2023
68819 8	Distribution Pole and Conductor Repair - Arecibo Group 10	Dec- <del>2022</del> <a href="#">2022</a> (Complete)	Jun-2023
68862 5	Distribution Pole and Conductor Repair - Ponce Group 10	Dec- <del>2022</del> <a href="#">2022</a> (Complete)	Jun-2023
68862 9	Distribution Pole and Conductor Repair - <del>Mayaguez</del> <a href="#">Mayagüez</a> Group 13	Dec- <del>2022</del> <a href="#">2022</a> (Complete)	Jun-2023

FEMA Prj. #	Project Name	DSOW Submission Estimate	Construction Start Estimate
688630	Distribution Pole and Conductor Repair – <del>Mayaguez</del> Mayagüez Group 12	Dec- <del>2022</del> 2022 (Complete)	May-2023
689071	Distribution Pole and Conductor Repair - Arecibo Group 11	Dec- <del>2022</del> 2022 (Complete)	Jun-2023
<del>TBD70</del> 1679	Distribution Pole and Conductor Repair - San Juan Group 12	Dec- <del>2022</del> 2022 (Complete)	Jun-2023
<del>TBD70</del> 1545	Distribution Pole and Conductor Repair - Ponce Group 11	Dec- <del>2022</del> 2022 (Complete)	Jun-2023
<del>TBD70</del> 1555	Distribution Pole and Conductor Repair - Ponce Group 13	Jan- <del>2023</del> 2023 (Complete)	Jul-2023
<del>TBD70</del> 1552	Distribution Pole and Conductor Repair - Ponce Group 12	Jan- <del>2023</del> 2023 (Complete)	Jul-2023
<del>TBD70</del> 1495	Distribution Pole and Conductor Repair - <del>Mayaguez</del> Mayagüez Group 14	Jan- <del>2023</del> 2023 (Complete)	Jul-2023
<del>TBD70</del> 1504	Distribution Pole and Conductor Repair - Arecibo Group 12	Jan- <del>2023</del> 2023 (Complete)	Jul-2023
<del>TBD70</del> 4916	Distribution Pole and Conductor Repair - Arecibo Group 13	Feb- <del>2023</del> 2023 (Complete)	Aug- <del>2022</del> -2023
<del>TBD70</del> 4750	Distribution Pole and Conductor Repair - <del>Bayamon</del> Bayamón Group 10	Feb- <del>2023</del> 2023 (Complete)	Aug-2023
<del>TBD70</del> 4916	Distribution Pole and Conductor Repair - <del>Caguas</del> Arecibo Group <del>46</del> 14	Feb- <del>2023</del> 2023 (Complete)	Aug-2023
<del>TBD70</del> 4751	Distribution Pole and Conductor Repair - <del>Mayaguez</del> Bayamón Group <del>45</del> 11	Feb- <del>2023</del> 2023 (Complete)	Aug-2023
659968	<u>Streetlighting- San German</u>	<u>Feb 2023</u> (Completed)	<u>Jun-2023</u>
704916	<u>Distribution Pole and Conductor Repair - Arecibo Group 15</u>	<u>Mar 2023</u> (Complete)	<u>Sep-2023</u>
704916	<u>Distribution Pole and Conductor Repair - Arecibo Group 16</u>	<u>Mar 2023</u> (Completed)	<u>Sep-2023</u>
33447	<u>Distribution Feeder (Bayamón Short-Term Group 2)</u>	<u>Apr 2023</u>	<u>Aug - 2024</u>

FEMA Prj. #	Project Name	DSOW Submission Estimate	Construction Start Estimate
<u>4</u>			
<u>33419</u> <u>1</u>	<a href="#">Distribution Feeder (Mayagüez Short Term Group 3)</a>	<a href="#">Apr 2023</a>	<a href="#">Aug 2024</a>
<u>33429</u> <u>3</u>	<a href="#">Distribution Feeder(Mayagüez Short Term Group 4)</a>	<a href="#">Apr 2023</a>	<a href="#">Aug 2024</a>
<u>70484</u> <u>4</u>	<a href="#">Distribution Pole and Conductor Repair - Caguas Group 16</a>	<a href="#">Apr 2023</a>	<a href="#">Aug-2023</a>
<u>70550</u> <u>3</u>	<a href="#">Distribution Pole and Conductor Repair - Mayagüez Group 15</a>	<a href="#">Apr 2023</a>	<a href="#">Aug-2023</a>
<del>TBD</del> <u>70</u> <u>5584</u>	Distribution Pole and Conductor Repair - Ponce Group 14	<del>Feb-2023</del> <a href="#">Apr 2023</a>	Aug-2023
<del>TBD</del> <u>70</u> <u>4933</u>	Distribution Pole and Conductor Repair - San Juan Group 13	<del>Feb-2023</del> <a href="#">Apr 2023</a>	Aug-2023
<del>TBD</del> <u>70</u> <u>4844</u>	Distribution Pole and Conductor Repair - <del>Arecibo</del> <a href="#">Caguas</a> Group <del>14</del> <u>17</u>	<del>Feb-2023</del> <a href="#">Apr 2023</a>	Aug-2023
<u>67350</u> <u>4</u>	<a href="#">Streetlighting- Gurabo</a>	<a href="#">Apr 2023</a>	<a href="#">Jun-2023</a>
<u>66689</u> <u>4</u>	<a href="#">Streetlighting- San Juan</a>	<a href="#">Apr 2023</a>	<a href="#">Jul-2023</a>
<u>67150</u> <u>2</u>	<a href="#">Streetlighting- Yabucoa</a>	<a href="#">Apr 2023</a>	<a href="#">Aug-2023</a>
<u>67140</u> <u>0</u>	<a href="#">Streetlighting- Barceloneta</a>	<a href="#">Apr 2023</a>	<a href="#">Aug-2023</a>
<u>67139</u> <u>6</u>	<a href="#">Streetlighting- Utuado</a>	<a href="#">Apr 2023</a>	<a href="#">Aug-2023</a>
<del>TBD</del> <u>70</u> <u>4755</u>	Distribution Pole and Conductor Repair - <del>Bayamon</del> <a href="#">Bayamón</a> Group <del>14</del> <u>12</u>	<del>Feb-2023</del> <a href="#">Apr 2023</a>	<del>Aug</del> <a href="#">Sep</a> -2023
<del>TBD</del> <u>70</u> <u>4844</u>	Distribution Pole and Conductor Repair - Caguas Group <del>17</del> <u>18</u>	<del>Feb-2023</del> <a href="#">Apr 2023</a>	<del>Aug</del> <a href="#">Sep</a> -2023
<del>TBD</del> <u>70</u> <u>5503</u>	Distribution Pole and Conductor Repair - <del>Arecibo</del> <a href="#">Mayagüez</a> Group <del>15</del> <u>16</u>	<del>Mar-2023</del> <a href="#">Apr 2023</a>	Sep-2023
<u>70550</u> <u>3</u>	<a href="#">Distribution Pole and Conductor Repair - Mayagüez Group 17</a>	<a href="#">Apr 2023</a>	<a href="#">Sep-2023</a>
<u>70558</u> <u>4</u>	<a href="#">Distribution Pole and Conductor Repair - Ponce Group 15</a>	<a href="#">Apr 2023</a>	<a href="#">Sep-2023</a>
<u>70857</u> <u>9</u>	<a href="#">Distribution Pole and Conductor Repair - Ponce Group 16</a>	<a href="#">Apr 2023</a>	<a href="#">Sep-2023</a>
<u>70493</u> <u>3</u>	<a href="#">Distribution Pole and Conductor Repair - San Juan Group 14</a>	<a href="#">Apr 2023</a>	<a href="#">Sep-2023</a>
<u>70493</u>	<a href="#">Distribution Pole and Conductor Repair - San Juan Group 15</a>	<a href="#">Apr 2023</a>	<a href="#">Sep-2023</a>

FEMA Prj. #	Project Name	DSOW Submission Estimate	Construction Start Estimate
<u>3</u>			
<u>70475</u> <u>5</u>	<a href="#">Distribution Pole and Conductor Repair - Bayamón Group 14</a>	<a href="#">Apr 2023</a>	<a href="#">Sep-2023</a>
<u>70493</u> <u>3</u>	<a href="#">Distribution Pole and Conductor Repair - San Juan Group 16</a>	<a href="#">Apr 2023</a>	<a href="#">Sep-2023</a>
TBD	Distribution Pole and Conductor Repair - <del>Bayamon</del> Caguas Group <del>12-19</del>	<del>Mar-2023</del> <a href="#">Apr 2023</a>	Sep-2023
TBD	Distribution Pole and Conductor Repair - Caguas Group <del>18-20</del>	<del>Mar-2023</del> <a href="#">Apr 2023</a>	Sep-2023
TBD	Distribution Pole and Conductor Repair - <del>Mayaguez</del> Caguas Group <del>16-21</del>	<del>Mar-2023</del> <a href="#">Apr 2023</a>	<del>Sep</del> <a href="#">Nov</a> -2023
<u>TBD</u>	<a href="#">Distribution Pole and Conductor Repair - Ponce Group 20</a>	<a href="#">Apr 2023</a>	<a href="#">Oct-2023</a>
<u>TBD</u>	<a href="#">Distribution Pole and Conductor Repair - Arecibo Group 17</a>	<a href="#">April 2023</a>	<a href="#">Oct-2023</a>
<u>TBD</u>	<a href="#">Distribution Pole and Conductor Repair - Arecibo Group 18</a>	<a href="#">April 2023</a>	<a href="#">Oct-2023</a>
<u>TBD</u>	<a href="#">Distribution Pole and Conductor Repair - Bayamón Group 15</a>	<a href="#">April 2023</a>	<a href="#">Oct-2023</a>
TBD	Distribution Pole and Conductor Repair - <del>Mayaguez</del> Bayamón Group <del>17</del> <u>16</u>	<del>Mar-2023</del> <a href="#">April 2023</a>	<del>Sep</del> <a href="#">Oct</a> -2023
<u>TBD</u>	<a href="#">Distribution Pole and Conductor Repair - Bayamón Group 17</a>	<a href="#">April 2023</a>	<a href="#">Oct-2023</a>
<u>TBD</u>	<a href="#">Distribution Pole and Conductor Repair - Bayamón Group 18</a>	<a href="#">April 2023</a>	<a href="#">Oct-2023</a>
<u>TBD</u>	<a href="#">Distribution Pole and Conductor Repair - Bayamón Group 19</a>	<a href="#">April 2023</a>	<a href="#">Oct-2023</a>
<u>TBD</u>	<a href="#">Distribution Pole and Conductor Repair - Mayagüez Group 20</a>	<a href="#">April 2023</a>	<a href="#">Oct-2023</a>
<u>TBD</u>	<a href="#">Distribution Pole and Conductor Repair - Mayagüez Group 21</a>	<a href="#">April 2023</a>	<a href="#">Oct-2023</a>
TBD	Distribution Pole and Conductor Repair - Ponce Group <del>15-20</del>	<del>Mar-2023</del> <a href="#">April 2023</a>	<del>Sep</del> <a href="#">Oct</a> -2023
<u>TBD</u>	<a href="#">Distribution Pole and Conductor Repair - Mayagüez Group 22</a>	<a href="#">April 2023</a>	<a href="#">Oct-2023</a>
<u>TBD</u>	<a href="#">Distribution Pole and Conductor Repair - Mayagüez Group 23</a>	<a href="#">April 2023</a>	<a href="#">Oct-2023</a>
TBD	Distribution Pole and Conductor Repair - Ponce Group <del>16-21</del>	<del>Mar-2023</del> <a href="#">April 2023</a>	<del>Sep</del> <a href="#">Oct</a> -2023
<u>TBD</u>	<a href="#">Distribution Pole and Conductor Repair - Ponce Group 22</a>	<a href="#">April 2023</a>	<a href="#">Oct-2023</a>
<u>TBD</u>	<a href="#">Distribution Pole and Conductor Repair - Ponce Group 23</a>	<a href="#">April 2023</a>	<a href="#">Oct-2023</a>
<u>70565</u> <u>7</u>	<a href="#">Transmission and Distribution Automation Program – Group 3</a>	<a href="#">Apr 2023</a>	<a href="#">May-2023</a>
<u>TBD</u>	<a href="#">Distribution Pole and Conductor Repair - Caguas Group 22</a>	<a href="#">May 2023</a>	<a href="#">Nov-2023</a>
<u>TBD</u>	<a href="#">Distribution Pole and Conductor Repair - Caguas Group 23</a>	<a href="#">May 2023</a>	<a href="#">Nov-2023</a>
<u>TBD</u>	<a href="#">Distribution Pole and Conductor Repair - Mayagüez Group 18</a>	<a href="#">May 2023</a>	<a href="#">Sep-2023</a>

FEMA Prj. #	Project Name	DSOW Submission Estimate	Construction Start Estimate
<a href="#">TBD</a>	<a href="#">Distribution Pole and Conductor Repair - Mayagüez Group 19</a>	<a href="#">May 2023</a>	<a href="#">Sep-2023</a>
TBD	Distribution Pole and Conductor Repair - San Juan Group <del>44-17</del>	<del>Mar-2023</del> <a href="#">May 2023</a>	Sep-2023
TBD	Distribution Pole and Conductor Repair - San Juan Group <del>45-18</del>	<del>Mar-2023</del> <a href="#">May 2023</a>	Sep-2023
TBD	Distribution Pole and Conductor Repair - <del>Arecibo</del> <a href="#">San Juan</a> Group <del>46-19</del>	<del>Mar-2023</del> <a href="#">May 2023</a>	Sep-2023
TBD	Distribution Pole and Conductor Repair - <del>Bayamon</del> <a href="#">San Juan</a> Group <del>44-20</del>	<del>Mar-2023</del> <a href="#">May 2023</a>	Sep-2023
TBD	Distribution Pole and Conductor Repair - San Juan Group <del>46-21</del>	<del>Mar-2023</del> <a href="#">May 2023</a>	Sep-2023
<a href="#">TBD</a>	<a href="#">Distribution Pole and Conductor Repair - Ponce Group 17</a>	<a href="#">May 2023</a>	<a href="#">Sep-2023</a>
<a href="#">TBD</a>	<a href="#">Distribution Pole and Conductor Repair - Ponce Group 18</a>	<a href="#">May 2023</a>	<a href="#">Sep-2023</a>
<a href="#">TBD</a>	<a href="#">Distribution Pole and Conductor Repair - Ponce Group 19</a>	<a href="#">May 2023</a>	<a href="#">Sep-2023</a>
<del>68862</del> <del>37064</del> <del>98</del>	Transmission and Distribution Automation Program – Group <del>44</del>	<del>Jan-2023</del> <a href="#">May 2023</a>	<del>Jan-2022</del> (Started) <a href="#">July-2023</a>
<a href="#">TBD</a>	<a href="#">Distribution Pole and Conductor Repair - Ponce Group 24</a>	<a href="#">May 2023</a>	<a href="#">Nov-2023</a>
<a href="#">TBD</a>	<a href="#">Distribution Pole and Conductor Repair - San Juan Group 22</a>	<a href="#">May 2023</a>	<a href="#">Nov-2023</a>
<a href="#">TBD</a>	<a href="#">Distribution Pole and Conductor Repair - San Juan Group 23</a>	<a href="#">May 2023</a>	<a href="#">Nov-2023</a>
<a href="#">TBD</a>	<a href="#">Distribution Pole and Conductor Repair - San Juan Group 24</a>	<a href="#">May 2023</a>	<a href="#">Nov-2023</a>
<a href="#">TBD</a>	<a href="#">Distribution Pole and Conductor Repair - San Juan Group 25</a>	<a href="#">May 2023</a>	<a href="#">Nov-2023</a>
<a href="#">TBD</a>	<a href="#">Distribution Pole and Conductor Repair - San Juan Group 26</a>	<a href="#">May 2023</a>	<a href="#">Nov-2023</a>
<a href="#">TBD</a>	<a href="#">Distribution Pole and Conductor Repair - San Juan Group 27</a>	<a href="#">May 2023</a>	<a href="#">Nov-2023</a>
<a href="#">TBD</a>	<a href="#">Distribution Pole and Conductor Repair - San Juan Group 28</a>	<a href="#">May 2023</a>	<a href="#">Nov 2023</a>
<a href="#">33442</a> <a href="#">0</a>	<a href="#">Distribution Feeder (Caguas Group 1)</a>	<a href="#">May 2023</a>	<a href="#">Sep 2024</a>
<a href="#">33444</a> <a href="#">3</a>	<a href="#">Distribution Feeder (Caguas Group 2)</a>	<a href="#">May 2023</a>	<a href="#">Sep 2024</a>
<a href="#">33445</a> <a href="#">2</a>	<a href="#">Distribution Feeder (Caguas Group 3)</a>	<a href="#">May 2023</a>	<a href="#">Sep 2024</a>
<a href="#">33430</a> <a href="#">8</a>	<a href="#">Distribution Feeder (Mayagüez Group 1)</a>	<a href="#">May 2023</a>	<a href="#">Sep 2024</a>
<a href="#">33428</a> <a href="#">5</a>	<a href="#">Distribution Feeder (Mayagüez Group 2)</a>	<a href="#">May 2023</a>	<a href="#">Sep 2024</a>
<a href="#">33447</a> <a href="#">1</a>	<a href="#">Distribution Feeder (San Juan Group 1)</a>	<a href="#">May 2023</a>	<a href="#">Sep 2024</a>

FEMA Prj. #	Project Name	DSOW Submission Estimate	Construction Start Estimate
<a href="#">TBD</a>	<a href="#">Distribution Pole and Conductor Repair - San Juan Group 29</a>	<a href="#">Jun 2023</a>	<a href="#">Dec 2023</a>
<a href="#">TBD</a>	<a href="#">Distribution Pole and Conductor Repair - San Juan Group 30</a>	<a href="#">Jun 2023</a>	<a href="#">Dec 2023</a>
<a href="#">TBD</a>	<a href="#">Distribution Pole and Conductor Repair - San Juan Group 31</a>	<a href="#">Jun 2023</a>	<a href="#">Dec 2023</a>
<a href="#">TBD</a>	<a href="#">Distribution Pole and Conductor Repair - San Juan Group 32</a>	<a href="#">Jun 2023</a>	<a href="#">Dec 2023</a>
<a href="#">TBD</a>	<a href="#">Distribution Pole and Conductor Repair - San Juan Group 33</a>	<a href="#">Jun 2023</a>	<a href="#">Dec 2023</a>
<a href="#">TBD</a>	<a href="#">Distribution Pole and Conductor Repair - San Juan Group 34</a>	<a href="#">Jun 2023</a>	<a href="#">Dec 2023</a>
<a href="#">TBD</a>	<a href="#">Distribution Pole and Conductor Repair - San Juan Group 35</a>	<a href="#">Jun 2023</a>	<a href="#">Dec 2023</a>
<a href="#">TBD</a>	<a href="#">Distribution Pole and Conductor Repair - San Juan Group 36</a>	<a href="#">Jun 2023</a>	<a href="#">Dec 2023</a>
<a href="#">33449 1</a>	<a href="#">Distribution Feeder (Caguas Group 5)</a>	<a href="#">Jun 2023</a>	<a href="#">Oct 2024</a>
<a href="#">33449 7</a>	<a href="#">Distribution Feeder (Caguas Group 6)</a>	<a href="#">Jun 2023</a>	<a href="#">Oct 2024</a>
<a href="#">33451 8</a>	<a href="#">Distribution Feeder (Caguas Group 7)</a>	<a href="#">Jun 2023</a>	<a href="#">Oct 2024</a>
<a href="#">33447 7</a>	<a href="#">Distribution Feeder (Carolina Group 3)</a>	<a href="#">Jun 2023</a>	<a href="#">Oct 2024</a>
<a href="#">54638 6</a>	<a href="#">Distribution Feeder (El Yunque Group)</a>	<a href="#">Jun 2023</a>	<a href="#">Oct 2024</a>
<a href="#">33447 2</a>	<a href="#">Distribution Feeder (San Juan Group 2)</a>	<a href="#">Jun 2023</a>	<a href="#">Oct 2024</a>
<a href="#">54637 4</a>	<a href="#">Distribution Feeder (San Juan Group 3)</a>	<a href="#">Jun 2023</a>	<a href="#">Oct 2024</a>
<a href="#">43661 6</a>	<a href="#">Distribution Feeder (Arecibo Group 1)</a>	<a href="#">Jun 2023</a>	<a href="#">Oct 2024</a>
<a href="#">33447 3</a>	<a href="#">Distribution Feeder (Bayamón Group 1)</a>	<a href="#">Jun 2023</a>	<a href="#">Oct 2024</a>
<a href="#">33447 5</a>	<a href="#">Distribution Feeder (Bayamón Group 3)</a>	<a href="#">Jun 2023</a>	<a href="#">Oct 2024</a>

## IT & TELECOM

FEMA Prj. #	Project Name	DSOW Submission Estimate	Construction Start Estimate
657300	Energy Management System (EMS) (Obligated)	Jul-2022 (Complete)	<del>Oct</del> Nov-2023
551925	SCADA Remote Access and RTU Replacements - Group 1	Jul-2022 (Complete)	<del>Mar</del> May-2023

~~December 2022~~  
March 2023

FEMA Prj. #	Project Name	DSOW Submission Estimate	Construction Start Estimate
675345	IT OT Technology Systems Repairs	Mar-2023	Jun-2023
<del>662238</del> <u>665</u>	<del>Microwave Point to Point Backbone — Group A</del> <del>(Microwave Network Upgrades — Group A)</del> <u>Cybersecurity Program Implementation</u>	<del>Jan</del> <u>Mar</u> -2023	<u>Jun-2021</u> <del>Oct-2023</del> <u>(started)</u>
551926	SCADA Remote Access and RTU Replacements - Group 2	<del>Mar</del> <u>Apr</u> -2023	<u>Aug</u> <del>Nov</del> -2023
551927	SCADA Remote Access and RTU Replacements - Group 3	<del>Mar</del> <u>May</u> -2023	<u>Aug-2023</u> <u>Jan-2024</u>

## BUILDINGS

FEMA Prj. #	Project Name	DSOW Submission Estimate	Construction Start Estimate
679006	Test and Technology Laboratory	Nov-2022 (Complete)	Jul-2024



<b>Summary report:</b> <b>Litera Compare for Word 11.2.0.54 Document comparison done on</b> <b>3/23/2023 5:27:38 PM</b>	
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<b>Intelligent Table Comparison:</b> Active	
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Delete	400
Move From	0
Move To	0
Table Insert	112
Table Delete	21
Table moves to	0
Table moves from	0
Embedded Graphics (Visio, ChemDraw, Images etc.)	0
Embedded Excel	0
Format changes	0
<b>Total Changes:</b>	1001