

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

NEPR

Received:

Dec 21, 2021

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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: Motion Submitting December 2021
Update to PREPA-LUMA 90-Day Plan

JOINT MOTION SUBMITTING DECEMBER 2021 PREPA-LUMA 90-DAY PLAN

TO THE PUERTO RICO ENERGY BUREAU:

COME NOW LUMA Energy, LLC (“ManagementCo”)¹, and **LUMA Energy ServCo, LLC** (“ServCo”)², (jointly referred to as “LUMA”) and the Puerto Rico Electric Power Authority (“PREPA”), through the undersigned legal counsel and respectfully submit the following:

1. On December 30, 2021, PREPA filed with this Puerto Rico Energy Bureau (“Energy Bureau”) the 10-Year Infrastructure Plan that it had submitted with the Federal Emergency Management Agency (“FEMA”). *See* Case No. NEPR-MI-2020-0016. PREPA filed revisions to the 10-Year Infrastructure Plan in this proceeding on February 16, 2021 and March 19, 2021.³

¹ Register No. 439372.

² Register No. 439373.

³ *See* PREPA’s *Response to Resolution and Order Entered on January 25, 2021 and Request for Approval of Revised 10 Year Infrastructure Plan* of February 16, 2021 and PREPA’s *Motion Submitting Revised 10-Year Infrastructure Plan* of March 19, 2021. These updates were filed in compliance with the Resolution and Order of this Energy Bureau of January 25, 2021 holding that the 10-Year Infrastructure Plan must comply with the Integrated Resources Plan and Modified Action Plan approved by Final Resolution and Order issued on August 24, 2020 (the “Approved IRP and Modified Action Plan”) in Case No. CEPR-AP-2018-0001, *In Re Review of the Integrated Resources Plan of the Puerto Rico Electric Power Authority*.

2. On March 26, 2021, this honorable Energy Bureau issued a Resolution and Order (“March 26th Order”) making determinations regarding the alignment of the 10-Year Infrastructure Plan, as revised as of that date, with the Approved IRP and Modified Action Plan (*See* March 26th Order at pages 7-19) and, among others and in pertinent part, requiring PREPA to “continue reporting to the Energy Bureau and 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 26th Order at page 19) (the latter, the “Continued Reporting Requirement”).

3. On July 6, 2021, in compliance with the Continued Reporting Requirement, PREPA and LUMA filed an updated 10-Year Infrastructure Work Plan and a PREPA-LUMA supplement to the 10-Year Infrastructure Plan providing a summary of key steps for the upcoming 90 days (“PREPA-LUMA 90-Day Plan”). *See Joint Motion Submitting Updated 10-Year Infrastructure Work Plan* of that date at page 3.

4. On July 15, 2021, LUMA submitted a motion to this Energy Bureau proposing, among others, that reporting in this docket be done quarterly and that updates to the PREPA-LUMA 90-Day Plan for FEMA funding be provided to the Energy Bureau during the last month of every quarter as it is provided to FEMA. *See LUMA’s Motion Submitting Corrected LUMA Presentation at Technical Conference of July 11, 2021 and Requesting Approvals of Matters Presented and Proposed during the Technical Conference* of July 15, 2021 (“LUMA’s July 15th Motion”)⁴ at pages 8-9.

⁴ In the July 15th Motion, LUMA also provided to the Energy Bureau a presentation given by LUMA at a Technical Conference held on July 12, 2021 in this proceeding regarding the process for review, approval

5. On September 21, 2021, in accordance with the Continued Reporting Requirement and LUMA's July 15th Motion, LUMA and PREPA submitted to this Energy Bureau the September 2021 update to the PREPA-LUMA 90-Day Plan (the "September 2021 PREPA-LUMA 90-Day Plan"). *See Motion Submitting September 2021 Update to PREPA-LUMA 90 Day Plan* jointly filed by PREPA and LUMA on September 21, 2021 ("LUMA September 21 Motion"). In LUMA's September 21 Motion LUMA respectfully informed that going forward, LUMA and PREPA would continue to file the PREPA-LUMA 90-Day Plans updating the status of projects but would not be preparing 90-Day updates of the 10-Year Infrastructure Plan itself. *See* September 21 Motion at page 4. LUMA informed that it had reaffirmed with FEMA that the only requirement from FEMA would be the 90-Day Plan update. *See id.*

6. In accordance with the Continued Reporting Requirement and the September 21 Motion, PREPA and LUMA hereby submit, as Exhibit 1 to this Joint Motion, the December 2021 update to the PREPA-LUMA 90-Day Plan ("December 2021 PREPA-LUMA 90-Day Plan") updating status of projects and providing a summary of key next steps for the upcoming 90 days. In addition, as Exhibit 2 to this Joint Motion, LUMA is submitting a redline version that compares the September 2021 PREPA-LUMA 90-Day Plan with the December 2021 PREPA-LUMA 90-Day Plan being submitted today.

WHEREFORE, LUMA and PREPA respectfully request that the Energy Bureau **take notice** of the aforementioned and **accept** the December 2021 PREPA-LUMA 90-Day Plan submitted herein as **Exhibit 1** to this Joint Motion.

and oversight of federally funded T&D projects as well as addressed other matters discussed in the presentation.

RESPECTFULLY SUBMITTED.

In San Juan, Puerto Rico, this 21st day of December 2021.

We hereby certify that we filed this motion using the electronic filing system of this Energy Bureau.



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Exhibit 1

PREPA-LUMA December 2021 90-Day Plan



FEMA



PREPA-LUMA 90-Day Plan

December 2021

LUMA



Puerto Rico Electric
Power Authority



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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 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

- Submitted 104 projects to the PREB for approval in the last 90-day period, representing \$344.2 million in infrastructure investments
 - 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.



- Projects include repair and improvements to fuel tank, fire protection and cooling systems to address compliance standards under NFPA and CWA
 - All projects are awaiting PREB approval for formal submittal to FEMA.
- Four (4) reimbursement projects were submitted on December 1, 2021 for PREB approval to claim repair cost incurred in generation plants after hurricane María. PREB approved these projects on December 20, 2021.
- Nevertheless, once projects receive regulatory approval the Authority will execute formal submission to FEMA via Grants. Meanwhile, PREPA will continue collaboration with COR3 and FEMA to address project eligibility, specifically on environmental compliance.
- Continue with remaining Generation Plants FAASSt reimbursement repairs
- Continue with actions required by the Environmental Protection Agency (EPA) in its Administrative Compliance Order of November 10, 2021 regarding the Megagenerators project in Palo Seco.
- Continue with the development of an amendment to the \$280M Emergency Generation 404 program-funded project that includes investing approximately \$100M in retrofitting existing simple cycle units island-wide
- 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

- Submitted the *Detailed* SOW (including 406 Hazard Mitigation & EHP requirements) for the Cataño Modernization and Hardening project to COR3 and FEMA for review and approval (currently awaiting FEMA approval)
- Developed 406 Hazard Mitigation Strategies for Distribution, Transmission, Substation and Streetlights and presented to COR3 and FEMA for feedback and alignment. In the next 90-day period LUMA will continue to refine 406 Strategies with COR3 and FEMA
- During the last 90-day period, LUMA completed the following:
 - Submitted 38 *Initial* SOWs to the PREB for approval representing \$0.65 billion¹ in capital investments
 - Received approval from PREB of 67 Projects/Programs
 - Submitted 96 Projects to COR3 and FEMA for FAASSt number assignment
 - Received FEMA assigned FAASSt numbers for 52 projects
 - Awaiting assignment of FAASSt numbers on 45 projects still under FEMA review

¹ Value does not match subcomponent total exactly due to rounding



- 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
- 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 key projects representing ~\$900M for COR3 & the Puerto Rico Department of Housing's (PRDOH) consideration. These projects have been included in the PRDOH's draft Disaster Recovery Action Plan currently undergoing public consultations. LUMA will continue to work with COR3 & PRDOH to advance these projects as required
- Expect to submit ~30 *Detailed* SOWs within the next 90-day period or Q1 2022
- 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

- Link all proof of payments for A/E advance received (\$7.1 Million) and formalize subsequent advance to fund A/E services for Generation and Water assets.
- 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 12/31/2021 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 and COR3 standards to support financial reporting requirements for federally funded projects
- Submit progress and financial quarterly reports for period ending 12/31/2021 on all 428-obligated projects



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. PREPA alongside COR3 will continue with the formulation of the following remaining plants:
 - Mayagüez
 - Costa Sur
 - Cambalache

EHP checklist have been completed for San Juan, Palo-Seco and Aguirre and will be share with FEMA, alongside the SOW, once PREB approval is received.

- Management is currently pursuing a Request for Proposal to contract services to support to carry 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.
- Initiate contracting process for Costa-Sur Black Start environmental studies:
 - Geotechnical Floor study
 - Facility Study

LUMA Focus Areas

- Submitted EHP checklist and received feedback as part of the submittal of the *Detailed SOW* for the Cataño Modernization and Hardening project to COR3 and FEMA
- LUMA's Environmental, Land, and Permits team developed a process in 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, engaged state and federal agencies including DRNA, FWS, SHPO and USACE to streamline project review and consultation processes



- Obtain FEMA approval for access, vegetation clearing and soil testing or boring on required projects to facilitate the preliminary designs
- Review and analyze environmental impacts (soil testing or boring, water works, vegetation removal, etc.) required during the preliminary design and continue to refine standardized internal process to better facilitate the development and execution of environmental assessments

Engineering Management

PREPA Focus Areas

- Dredging Projects – Publish RFP to perform bathymetric surveys and thus initiate its design, environmental considerations and other.
 - PREPA will initiate 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.
- Award two contract releases to A/E contractor and initiate design on:
 - Cambalache Flood Barrier Protection
 - Toro Negro Hydroelectric System
- Commence formation of construction specifications for applicable asset categories and work with program stakeholders on review and approval
- Costa Sur & Yabucoa Black Starts – Complete Technical specifications and draft EPC competitive process
- Río Blanco Hydroelectric System – PREPA finalized its design alternative solutions and is currently awaiting selection. PREPA will request a collaborative meeting with FEMA EHP and 406 to incorporate recommendations into its alternative selection.

LUMA Focus Areas

- Evaluated engineering firm proponents from the recently published RFP seeking additional A/E resources to support the federally funded projects. Expect to name and assign contracts to successful proponents within the next 90 days
- Leverage the successful engineering firm proponents to assign projects with FEMA project numbers to begin A/E design work within the next two 90-day periods
- Develop standardized engineering package 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 Cataño Modernization and Hardening project
- 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

- 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 first 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 Q1 Project Submittal Milestone

#	Project Name	Asset Category
2021 Q4 – Milestone: Submit Project to COR3 and FEMA for Review		
1	New Black Start System at Costa Sur	Generation
2	Emergency Generation projects – Various pending approval	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 Project #	Project Name	Submission Estimate	Asset Category
174422	FAASt - Cataño-Rebuild 1801(Substation)	Complete	Substation
165209	FAASt-Substation 3801 Culebra (Substation)	2022 Q1	Substation
165225	FAASt-Substation 2501 Vieques (Substation)	2022 Q1	Substation
169058	FAASt - Llorens Torres MC 1106 - Equipment Repair & Replacement - (Substation)	2022 Q1	Substation
169500	FAASt - Bayamón TC – MC-BKRS-Y1 (Substation)	2022 Q1	Substation
178577	FAASt Cachete – MC 1526 (Substation)	2022 Q1	Substation
168226	FAASt San Juan 115kV Underground Transmission Loop (Transmission)	2022 Q2	Transmission
176954	FAASt Garzas 1 HP to Garzas 2 HP - Line 1100 (Transmission)	2022 Q2	Transmission
177134	FAASt Guaragao TC to Comerío TC Line-4100 (Transmission)	2022 Q2	Transmission
165268	FAASt Río Grande Estates Substation CH-2306 (Substation)	2022 Q2	Substation
178258	FAASt - Taft - MC 1105 (Substation)	2022 Q2	Substation
169266	FAASt Centro Médico 1327/1359 Equipment Repair & Replacement (Substation)	2022 Q2	Substation
169896	FAASt - Costa Sur SP TC – Equipment Repair and Replacement (Substation)	2022 Q2	Substation
178503	FAASt Aguirre TC - BKRS (Substation)	2022 Q2	Substation
169495	FAASt - Substations - Tapia GIS Rebuilt - Equipment Repair & Replacement (Substation)	2022 Q2	Substation



FEMA Project #	Project Name	Submission Estimate	Asset Category
171118	FAASt Caridad Substation – XFMR MC 1714 (Substation)	2022 Q2	Substation
179558	FAASt - Manatí TC - BRKS 230 kV - (Substation)	2022 Q2	Substation
169276	FAASt Substation - Viaducto TC - MC 1100 - Equipment Repair & Replacement [Substation]	2022 Q2	Substation
165226	FAASt – Vieques Feeders 2501-01, 2501-02, 2501-03 and Culebra Feeders 3801-01, 3801-02 (Distribution)	2022 Q2	Distribution
176971	FAASt – Line 8200 - San Juan SP to Cataño Sect Line (Transmission)	2022 Q3	Transmission
180052	FAASt Ponce TC to Jobos TC - 100 & 200 (Transmission)	2022 Q3	Transmission
166904	FAASt Transmission Line 37800 Caguas TC to Monacillo TC (Transmission)	2022 Q3	Transmission
165213	FAASt – Line 5400 – Río Blanco HP to Dagua TC to Punta Lima TO to Vieques 2501 to Culebra 3801 (Transmission)	2022 Q3	Transmission
176913	FAASt [Palo Seco SP to Cataño Sect Line-9500] (Transmission)	2022 Q3	Transmission
177191	FAASt - Line 39000 - Aguas Buenas TC to Caguas TC (Transmission)	2022 Q3	Transmission
166707	FAASt - Line 51300 - Ponce TC to Costa Sur SP TC (Transmission)	2022 Q3	Transmission
166860	FAASt-Line 37800 - Jobos TC to Cayey TC & Cayey TC to Caguas TC (Transmission)	2022 Q3	Transmission
167446	FAASt - Line 36100 - Dos Bocas HP to Monacillo TC (Transmission)	2022 Q3	Transmission
169576	FAASt Arecibo Regional Office Building (Buildings)	2022 Q3	Buildings
169798	FAASt Arecibo Electric Service Center (Buildings)	2022 Q3	Buildings
169804	FAASt Aguadilla Electric Service Center (Buildings)	2022 Q3	Buildings
167168	FAASt Transmission Line 37100 Costa Sur ST - Acacias TC (Transmission)	2022 Q3	Transmission
180326	FAASt - Line 36800 - Sabana Llana TC to Canóvanas TC to Palmer-Fajardo TC (Transmission)	2022 Q4	Transmission
167443	FAASt - Line 36200 - Monacillo TC to Juncos TC (Transmission)	2022 Q4	Transmission
167508	FAASt Transmission - Line 50100 - Cambalache GP TC to Manatí TC (Transmission)	2023 Q1	Transmission
168483	FAASt - Line 36400 - Dos Bocas HP to Ponce TC (Transmission)	2023 Q2	Transmission
165208	FAASt Transmission Access Roads (Environmental)	TBD	Environmental
Pending	Distribution Pole and Conductor Repair-Arecibo Group 1	2022 Q1	Distribution



FEMA Project #	Project Name	Submission Estimate	Asset Category
Pending	Distribution Pole and Conductor Repair-Arecibo Group 2	2021 Q4	Distribution
Pending	Distribution Pole and Conductor Repair-Bayamón Group 1	2022 Q1	Distribution
Pending	Distribution Pole and Conductor Repair-Bayamón Group 2	2022 Q1	Distribution
Pending	Distribution Pole and Conductor Repair-Bayamón Group 3	2022 Q1	Distribution
Pending	Distribution Pole and Conductor Repair-Caguas Group 1	2022 Q1	Distribution
Pending	Distribution Pole and Conductor Repair-Caguas Group 2	2022 Q1	Distribution
Pending	Distribution Pole and Conductor Repair-Caguas Group 3	2022 Q1	Distribution
Pending	Distribution Pole and Conductor Repair-Caguas Group 4	2022 Q1	Distribution
Pending	Distribution Pole and Conductor Repair-Caguas Group 5	2022 Q1	Distribution
Pending	Distribution Pole and Conductor Repair-Caguas Group 6	2022 Q1	Distribution
Pending	Distribution Pole and Conductor Repair-Caguas Group 7	2022 Q2	Distribution
Pending	Distribution Pole and Conductor Repair-Caguas Group 8	2022 Q2	Distribution
Pending	Distribution Pole and Conductor Repair-Carolina Group 1	2022 Q2	Distribution
Pending	Distribution Pole and Conductor Repair-Carolina Group 2	2022 Q2	Distribution
Pending	Distribution Pole and Conductor Repair-Carolina Group 3	2022 Q1	Distribution
Pending	Distribution Pole and Conductor Repair-Mayagüez Group 1	2022 Q1	Distribution
Pending	Distribution Pole and Conductor Repair- Mayagüez Group 2	2022 Q1	Distribution
Pending	Distribution Pole and Conductor Repair- Mayagüez Group 3	2022 Q1	Distribution
Pending	Distribution Pole and Conductor Repair- Mayagüez Group 4	2022 Q1	Distribution
Pending	Distribution Pole and Conductor Repair- Ponce Group 1	2021 Q4	Distribution
Pending	Distribution Pole and Conductor Repair- Ponce Group 2	2021 Q4	Distribution
Pending	Distribution Pole and Conductor Repair- San Juan Group 1	2022 Q1	Distribution
Pending	Distribution Pole and Conductor Repair- San Juan Group 2	2022 Q2	Distribution
Pending	Distribution Pole and Conductor Repair- San Juan Group 3	2022 Q2	Distribution
546370	Substation Minor Repairs-Group A	2022 Q1	Substations
542758	Substation Minor Repairs-Group B	2022 Q1	Substations



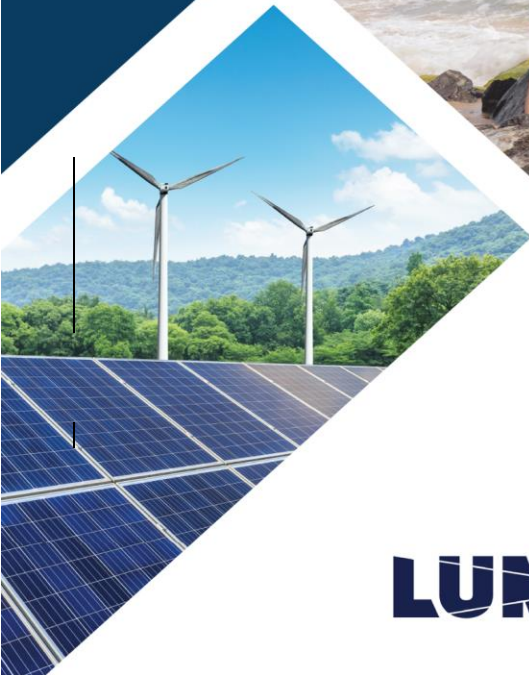
FEMA Project #	Project Name	Submission Estimate	Asset Category
546371	Substation Minor Repairs-Group C	2022 Q1	Substations
Pending	Substation Minor Repairs-Group D	2022 Q1	Substations
Pending	Substation Minor Repairs-Group E	2022 Q1	Substations
542688	Streetlighting - Aguada	2022 Q1	Distribution
542756	Streetlighting - Guánica	2022 Q1	Distribution
542687	Streetlighting - Lajas	2022 Q1	Distribution
542517	Streetlighting - Luquillo	2022 Q1	Distribution
542690	Streetlighting - Maunabo	2022 Q1	Distribution

Exhibit 2

Redline showing changes from September 2021 PREPA-LUMA 90-Day Plan to PREPA-LUMA December 2021 90-Day Plan



FEMA



~~PREPA-LUMA~~ ~~90-Day Plan~~

September 2024

LUMA



Puerto Rico Electric
Power Authority

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PREPA-LUMA 90-Day Plan

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I. Introduction

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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 ~~executive~~ leadership ~~continue with~~ are participating in regular weekly meetings with COR3 & FEMA to coordinate on investment decisions 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

- Submitted ~~20~~¹⁰⁴ projects to the PREB for approval in the last 90-day period, representing ~~\$1.50 billion~~^{\$344.2 million} in infrastructure investments

~~44 of the 20~~^o 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.

3

December 2021

¹-Value does not match subcomponent total exactly due to rounding

PREPA-LUMA 90-Day Plan



Puerto Rico Electric
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LUMA



FEMA

- Projects include repair and improvements to fuel tank, fire protection and cooling systems to address compliance standards under NFPA and CWA
- All projects were approved by the are awaiting PREB and approval for formal submittal to FEMA.
- Four (4) reimbursement projects were submitted to on December 1, 2021 for PREB approval to claim repair cost incurred in generation plants after hurricane María. PREB approved these projects on December 20, 2021.
- Nevertheless, once projects receive regulatory approval the Authority will execute formal submission to FEMA via Grants. Meanwhile, PREPA will continue collaboration with COR3 and FEMA to establish FEMA address project numbers (\$1.38 billion in investments) eligibility, specifically on environmental compliance.
- Six (6) projects were still under PREB review at the time of this 90-Day Plan submission (\$0.13 billion in investments)
 - Submit a set of Continue with remaining Generation Plants FAAS reimbursement projects to the PREB in the next 90-day period for completed plant repairs
- Develop application package for the new "Hydroelectric Turbines Fleet" project that includes approximately \$300M in infrastructure investments; project is a candidate for funding through the HUD Community Development Block Grant—Direct Assistance (CDBG-DR) program
 - Develop Continue with actions required by the Environmental Protection Agency (EPA) in its Administrative Compliance Order of November 10, 2021 regarding the Megagenerators project in Palo Seco.
 - Continue with the development of an amendment to the \$280M Emergency Generation 404 program-funded project that includes investing approximately \$100M in retrofitting existing simple cycle units island-wide
- Complete EHP evaluation on Demi-Tank projects corrective action to release funding for Mega-Gens (approximately \$58M)
- Continue evaluation of capital investment opportunities within CDBG-DR for unmet needs
- Submit narrative and budget for HMGP Management Cost 5% obligation (approximately \$75M)
 - 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

- Defined LUMA's Federal Funding submittal process and templates for submitting Initial Scopes of Work (SOW) to COR3 and FEMA for review that meets COR3 and FEMA requirements and standards. This process includes the requirement to submit to PREB for approval prior to submitting to COR3 and FEMA.
- Presented the new Federal Funding submittal process to PREB. LUMA has started using the new submittal process and templates to submit to PREB, COR3, and FEMA

- ~~Submitted 57 Initial SOWs to the PREB for approval in the last 90-day period, representing \$5.79 billion² in capital investments:~~
 - ~~28 of which were approved by the PREB and then submitted to COR3 and FEMA to establish a FEMA project number (\$1.8 billion in investments)~~
 - ~~29 of which are still under PREB review at the time of this 90-Day Plan submission (\$3.8 billion in investments)~~
- ~~LUMA is in the process of developing another 45 Initial SOWs and plans to submit them to the PREB for approval in the next 90-day period~~
 - ~~Submit~~Submitted the *Detailed* SOW (including 406 Hazard Mitigation & EHP requirements) for the Cataño Modernization and Hardening project to COR3 and FEMA for review and approval ~~early in the next 90-day period with intent to working through key COR3/FEMA processes to help facilitate future project submissions and execution~~(currently awaiting FEMA approval)
 - Developed 406 Hazard Mitigation Strategies for Distribution, Transmission, Substation and Streetlights and presented to COR3 and FEMA for feedback and alignment. In the next 90-day period LUMA will continue to refine 406 Strategies with COR3 and FEMA
 - During the last 90-day period, LUMA completed the following:
 - Submitted 38 Initial SOWs to the PREB for approval representing \$0.65 billion¹ in capital investments
 - Received approval from PREB of 67 Projects/Programs
 - Submitted 96 Projects to COR3 and FEMA for FAAS^t number assignment
 - Received FEMA assigned FAAS^t numbers for 52 projects
 - Awaiting assignment of FAAS^t numbers on 45 projects still under FEMA review

¹ Value does not match subcomponent total exactly due to rounding

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² Value does not match subcomponent total exactly due to rounding

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FEMA

- 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–~~
- 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 has identified submitted~~ four key projects representing ~\$900M for COR3 & the Puerto Rico Department of Housing's (PRDOH) consideration. These projects have been included in the PRDOH's draft Disaster Recovery Action Plan currently undergoing public consultations. LUMA will continue to date. This work will involve working closely with COR3, Vivienda and FEMA, & PRDOH to advance these projects as required
- Expect to submit ~30 Detailed SOWs within the next 90-day period or Q1 2022
- 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

- ~~Pursue request Link all proof of payments for A/E advance on A/E contracts previously submitted received (\$7.40M)~~
 - ~~Submit request 1 Million) and formalize subsequent advance to fund A/E services for reimbursement on Mega-Gens FAAS PW180692, after funds are obligated Generation and Water assets.~~
 - 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 ~~9/30~~ 12/31/2021 on all 428 and 404-obligated projects

LUMA Focus Areas

- ~~Continue tracking project actual costs in accordance with FEMA and COR3 standards to support financial reporting requirements for federally funded projects.~~
 - ~~Establish~~ 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 and COR3 standards to support financial reporting requirements for federally funded projects

- Submit progress and financial quarterly reports for period ending 12/31/2021 on all 428-obligated projects



Environmental and Historic Preservation

PREPA Focus Areas

- ~~Develop project scoping doc per EHP request~~
 - ~~Provide support to 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. PREPA alongside COR3 will continue with the formulation of the following remaining plants:~~
 - ~~Mayagüez~~
 - ~~Costa Sur~~
 - ~~Cambalache~~
 - ~~EHP State checklist have been completed for San Juan, Palo-Seco and Aguirre and will be share with FEMA, alongside the SOW, once PREB approval is received.~~
 - ~~Management is currently pursuing a Request for Proposal to contract services to support to carry 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 Office ("SHPO")—programmatic agreement—development Act (NHPA) (including archaeological survey and monitoring; building survey and recordation; data recovery and curation; and mitigation of adverse effects).~~
- ~~Respond to EHP data requests for the revised Engineering Services Agreement~~
- ~~Support review of RFPs to ensure EHP requirements are incorporated~~
- ~~Review near-term projects as they develop to identify EHP requirements~~
 - ~~Work to ensure Implement an independent public notification program that meets FAAS and EHP requirements within PREPA website.~~
 - ~~Initiate contracting process for Costa-Sur Black Start environmental studies:~~
 - ~~Geotechnical Floor study~~
 - ~~Facility Study~~

LUMA Focus Areas

- ~~Design the Submitted EHP scoping requirements checklist and formal templates to be included in received feedback as part of the submittal of the Detailed SOW packages and review with for the Cataño Modernization and Hardening project to COR3 and FEMA for alignment~~
- ~~LUMA's Environmental, Land, and Permits team is coordinating developed a process in consultation with FEMA's EHP group on the details related to the Cataño Modernization and Hardening project. As noted above, this for the~~

review and authorization of environmental, geotechnical, and engineering studies required for projects currently in preliminary design

- In conjunction with FEMA, engaged state and federal agencies including DRNA, FWS, SHPO and USACE to streamline project review and consultation processes

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FEMA

- Obtain FEMA approval for access, vegetation clearing and soil testing or boring on required projects to facilitate the 'lead' project that will provide preliminary designs
- Review and analyze environmental impacts (soil testing or boring, water works, vegetation removal, etc.) required during the opportunity to work through key processes and establish a strong understanding of COR3/FEMA requirements preliminary design and continue to refine standardized internal process to better facilitate the development and execution of environmental assessments
- Continue ongoing weekly meeting between the LUMA and FEMA EHP teams on all identified projects

Engineering Management

PREPA Focus Areas

- Awarded one (1) project to an A/E vendor to begin preliminary A/E design over the last 90-day period, representing \$19.84M in infrastructure investments (PREPA had previously awarded two (2) projects to A/E design vendors, representing \$50.20M in investments)
- Assign another 16 projects to A/E design firms to begin A/E design work in the next 90-day period (\$1.43 billion in investments)
- Review and assess as found documentation
- Track and review engineering standards
- Continue to review and finalize Design Criteria Documents ("DCDs") for applicable asset groups
 - Dredging Projects – Publish RFP to perform bathymetric surveys and thus initiate its design, environmental considerations and other.
 - PREPA will initiate 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.
 - Award two contract releases to A/E contractor and initiate design on:
 - Cambalache Flood Barrier Protection
 - Toro Negro Hydroelectric System
 - Commence formation of construction specifications for applicable asset categories and work with program stakeholders on review and approval
 - Costa Sur & Yabucoa Black Starts – Complete Technical specifications and draft EPC competitive process
 - Río Blanco Hydroelectric System – PREPA finalized its design alternative solutions and is currently awaiting selection. PREPA will request a collaborative

meeting with FEMA EHP and 406 to incorporate recommendations into its alternative selection.

LUMA Focus Areas

- ~~Assigned 33 PREB approved projects to A/E firms in~~Evaluated engineering firm proponents from the last 90-day period, representing \$0.9 billion in infrastructure investments
 - ~~Recently~~recently published ~~an~~ RFP seeking additional A/E resources to support the federally funded projects ~~and expects the RFP process to be completed. Expect to name and assign contracts to successful proponents within the next 90 days~~
 - ~~Expect~~Leverage the successful engineering firm proponents to assign the 28 projects recently approved by the PREB to A/E firms to with FEMA project numbers to begin A/E design work. Note that there are another 29 projects currently under PREB review that are expected to be submitted to COR3/FEMA- within the next two 90-day periods
 - Develop standardized engineering package for project numbers-engineering firms to leverage during the preliminary engineering work for each project. These templates will

Continue 7

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be based on lessons learned during the development of ~~near-term~~ the Cataño Modernization and Hardening project

- Continue evaluating and prioritizing the existing projects with FEMA numbers against the needs for T&D assets and begin ~~Initial SOW development~~ 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

LUMA Focus Areas

- 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

◆ ~~Define and design federal program reporting based on federal requirements~~

III. PREPA Estimated Schedule for Submission of Detailed SOWs

Over the next 90 days, PREPA will be focused on ~~preparing and submitting generation~~ Generation Emergency projects ~~to the~~ Detailed SOWs once approved by PREB for approval prior to submission to COR3 and FEMA in the fourth quarter of 2024. The table below shows the current set of projects estimated to have *Detailed SOWs* submitted to COR3 and FEMA in the ~~fourth~~ first quarter of ~~2024~~ 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 ~~2021 Q4~~ 2022 Q1 Project Submittal Milestone

#	Project Name	Asset Category
2021 Q4 – Milestone: Submit Project to COR3 and FEMA for Review		
1	New Black Start System at Costa Sur	Generation
2	Reimbursement – Aguirre Steam Plant Repairs (Damages from	Generation
3	Reimbursement – Palo Seco Steam Plant Repairs (Damages from Hurricanes – Federal Funded)	
4	Reimbursement – Jobos Gas Plant Repairs (Damages from Hurricanes – Federal Funded)	
5	Reimbursement – Vega Baja Gas Plant Repairs (Damages from Hurricanes – Federal Funded)	
6	Reimbursement – San Juan Steam Plant Repairs (Damages from Hurricanes – Federal Funded)	
7	Reimbursement – Mayaguez Gas Plant Repairs (Damages from Hurricanes – Federal Funded)	
8	Reimbursement – Daguao Gas Plant Repairs (Damages from Hurricanes – Federal Funded)	
9	Reimbursement – Yabucoa Gas Plant Repairs (Damages from Hurricanes – Federal Funded)	

Merged Cells



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 Project #	Project Name	Submission Estimate	Asset Category
1	174422	FAASt - Cataño Cataño-Rebuild 1801(Substation)	2024 Q4Complete	Substation
165209		FAASt-Substation 3801 Culebra (Substation)	2022 Q1	Substation
165225		FAASt-Substation 2501 Vieques (Substation)	2022 Q1	Substation
169058		FAASt - Llorens Torres MC 1106 - Equipment Repair & Replacement - (Substation)	2022 Q1	Substation
169500		FAASt - Bayamón TC – MC-BKRS-Y1 (Substation)	2022 Q1	Substation
178577		FAASt Cachete – MC 1526 (Substation)	2022 Q1	Substation
2	168226	FAASt San Juan 115kV Underground Transmission Loop (Transmission)	2022 Q4Q2	Transmission
3	176971	FAASt – Line 8200 – San Juan-SP to Cataño Sect Line (Transmission)		
4	176954	FAASt Garzas 1 HP to Garzas 2 HP - Line 1100 (Transmission)	2022 Q2	Transmission
5	180052	FAASt Ponce TC to Jobos TC – 100 & 200 (Transmission)		
6177134	166904	FAASt Transmission Line 37800 CaguasGuaraguao TC to MessilloesComerio TC Line 4100 (Transmission)	2022 Q2	Transmission
7	177134	FAASt Guaraguao TC to Comerio TC Line 4100 (Transmission)		
8165268	165209	FAASt- Río Grande Estates Substation 3801 CulebraCH-2306 (Substation)	2022 Q2	Substation
9	165225	FAASt-Substation 2501 Vieques (Substation)		
10	165268	FAASt Río Grande Estate Substation-CH-2306 (Substation)		
11	178258	FAASt - Taft - MC 1105 (Substation)	2022 Q2	Substation
12	169058	FAASt – Llorens Torres MC 1106 – Equipment Repair & Replacement - (Substation)		

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13	169266	FAASt Centro Medico Medico 1327/1359 Equipment Repair & Replacement (Substation)	2022 Q2	Substation
14	169500	FAASt - Bayamon TC - MC-BKRS-Y1 (Substation)		
15	169896	FAASt - Costa Sur SP TC - Equipment Repair and Replacement (Substation)	2022 Q2	Substation
16	178503	FAASt- Aguirre TC - BKRS (Substation)	2022 Q2	Substation
17	178577	FAASt Cachete - MC 1526 (Substation)		
18	169495	FAASt - Substations - Tapia GIS Rebuilt - Equipment Repair & Replacement (Substation)	2022 Q2	Substation
19	171118	FAASt Caridad Substation - XFMR MC 1714 (Substation)		
20	179558	FAASt - Manati TC - BRKS 230 kV - (Substation)		
21	169276	FAASt Substation - Viaducto TC - MC 1100 - Equipment Repair & Replacement [Substation]		
22	165213	FAASt - Line 5400 - Rio Blanco HP to Daguao TC to Punta Lima TO to Vieques 2501 to Culebra 3801 (Transmission)	2022 Q2	Transmission
23	176913	FAASt [Palo Seco SP to Catano Sect Line 9500] (Transmission)		
24	180326	FAASt - Line 36800 - Sabana Llana TC to Canovanas TC to Palmer-Fajardo TC (Transmission)		
25	177191	FAASt - Line 39000 - Aguas Buenas TC to Caguas TC (Transmission)		
26	165226	FAASt - Vieques Feeders 2501-01, 2501-02, 2501-03 and Culebra Feeders 3801-01, 3801-02 (Distribution)		Distribution
27	166707	FAASt - Line 51300 - Ponce TC to Costa Sur SP TC (Transmission)	2022 Q3	Transmission
28	166860	FAASt Line 37800 - Jobos TC to Cayey TC & Cayey TC to Caguas TC (Transmission)		
29	167446	FAASt - Line 36100 - Dos Bocas HP to Monacillos TC (Transmission)		
30	169576	FAASt Arecibo Regional Office Building (Buildings)		Buildings
31	169798	FAASt Arecibo Electric Service Center (Buildings)		
32	169804	FAASt Aguadilla Electric Service Center (Buildings)		
33	167168	FAASt Transmission Line 37100 Costa Sur ST - Acacias TC (Transmission)	2022 Q4	Transmission
34	167443	FAASt - Line 36200 - Monacillos TC to Juncos TC (Transmission)		
35	167508	FAASt Transmission - Line 50100 - Cambalache GP TC to Manati TC (Transmission)	2023 Q1	Transmission
36	168483	FAASt - Line 36400 - Dos Bocas HP to Ponce TC (Transmission)	2023 Q2	Transmission
37	165208	FAASt Transmission Access Roads (Environmental)	TBD	Environmental

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FEMA

<u>FEMA Project #</u>	<u>Project Name</u>	<u>Submission Estimate</u>	<u>Asset Category</u>
171118	FAASt Caridad Substation – XFMR MC 1714 (Substation)	2022 Q2	Substation
179558	FAASt - Manatí TC - BRKS 230 kV - (Substation)	2022 Q2	Substation
169276	FAASt Substation - Viaducto TC - MC 1100 - Equipment Repair & Replacement (Substation)	2022 Q2	Substation
165226	FAASt – Vieques Feeders 2501-01, 2501-02, 2501-03 and Culebra Feeders 3801-01, 3801-02 (Distribution)	2022 Q2	Distribution
176971	FAASt – Line 8200 - San Juan SP to Cataño Sect Line (Transmission)	2022 Q3	Transmission
180052	FAASt Ponce TC to Jobos TC - 100 & 200 (Transmission)	2022 Q3	Transmission
166904	FAASt Transmission Line 37800 Caguas TC to Monacillo TC (Transmission)	2022 Q3	Transmission
165213	FAASt – Line 5400 – Río Blanco HP to Daquao TC to Punta Lima TO to Vieques 2501 to Culebra 3801 (Transmission)	2022 Q3	Transmission
176913	FAASt (Palo Seco SP to Cataño Sect Line-9500) (Transmission)	2022 Q3	Transmission
177191	FAASt - Line 39000 - Aguas Buenas TC to Caguas TC (Transmission)	2022 Q3	Transmission
166707	FAASt - Line 51300 - Ponce TC to Costa Sur SP TC (Transmission)	2022 Q3	Transmission
166860	FAASt-Line 37800 - Jobos TC to Cayey TC & Cayey TC to Caguas TC (Transmission)	2022 Q3	Transmission
167446	FAASt - Line 36100 - Dos Bocas HP to Monacillo TC (Transmission)	2022 Q3	Transmission
169576	FAASt Arecibo Regional Office Building (Buildings)	2022 Q3	Buildings
169798	FAASt Arecibo Electric Service Center (Buildings)	2022 Q3	Buildings
169804	FAASt Aguadilla Electric Service Center (Buildings)	2022 Q3	Buildings
167168	FAASt Transmission Line 37100 Costa Sur ST - Acacias TC (Transmission)	2022 Q3	Transmission
180326	FAASt - Line 36800 - Sabana Llana TC to Canóvanas TC to Palmer- Fajardo TC (Transmission)	2022 Q4	Transmission
167443	FAASt - Line 36200 - Monacillo TC to Juncos TC (Transmission)	2022 Q4	Transmission
167508	FAASt Transmission - Line 50100 - Cambalache GP TC to Manatí TC (Transmission)	2023 Q1	Transmission
168483	FAASt - Line 36400 - Dos Bocas HP to Ponce TC (Transmission)	2023 Q2	Transmission
165208	FAASt Transmission Access Roads (Environmental)	TBD	Environmental
Pending	Distribution Pole and Conductor Repair-Arecibo Group 1	2022 Q1	Distribution

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FEMA

FEMA Project #	Project Name	Submission Estimate	Asset Category
Pending	Distribution Pole and Conductor Repair-Arecibo Group 2	2021 Q4	Distribution
Pending	Distribution Pole and Conductor Repair-Bayamón Group 1	2022 Q1	Distribution
Pending	Distribution Pole and Conductor Repair-Bayamón Group 2	2022 Q1	Distribution
Pending	Distribution Pole and Conductor Repair-Bayamón Group 3	2022 Q1	Distribution
Pending	Distribution Pole and Conductor Repair-Caguas Group 1	2022 Q1	Distribution
Pending	Distribution Pole and Conductor Repair-Caguas Group 2	2022 Q1	Distribution
Pending	Distribution Pole and Conductor Repair-Caguas Group 3	2022 Q1	Distribution
Pending	Distribution Pole and Conductor Repair-Caguas Group 4	2022 Q1	Distribution
Pending	Distribution Pole and Conductor Repair-Caguas Group 5	2022 Q1	Distribution
Pending	Distribution Pole and Conductor Repair-Caguas Group 6	2022 Q1	Distribution
Pending	Distribution Pole and Conductor Repair-Caguas Group 7	2022 Q2	Distribution
Pending	Distribution Pole and Conductor Repair-Caguas Group 8	2022 Q2	Distribution
Pending	Distribution Pole and Conductor Repair-Carolina Group 1	2022 Q2	Distribution
Pending	Distribution Pole and Conductor Repair-Carolina Group 2	2022 Q2	Distribution
Pending	Distribution Pole and Conductor Repair-Carolina Group 3	2022 Q1	Distribution
Pending	Distribution Pole and Conductor Repair-Mayaqüez Group 1	2022 Q1	Distribution
Pending	Distribution Pole and Conductor Repair- Mayaqüez Group 2	2022 Q1	Distribution
Pending	Distribution Pole and Conductor Repair- Mayaqüez Group 3	2022 Q1	Distribution
Pending	Distribution Pole and Conductor Repair- Mayaqüez Group 4	2022 Q1	Distribution
Pending	Distribution Pole and Conductor Repair- Ponce Group 1	2021 Q4	Distribution
Pending	Distribution Pole and Conductor Repair- Ponce Group 2	2021 Q4	Distribution
Pending	Distribution Pole and Conductor Repair- San Juan Group 1	2022 Q1	Distribution
Pending	Distribution Pole and Conductor Repair- San Juan Group 2	2022 Q2	Distribution
Pending	Distribution Pole and Conductor Repair- San Juan Group 3	2022 Q2	Distribution
546370	Substation Minor Repairs-Group A	2022 Q1	Substations
542758	Substation Minor Repairs-Group B	2022 Q1	Substations

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FEMA

<u>FEMA Project #</u>	<u>Project Name</u>	<u>Submission Estimate</u>	<u>Asset Category</u>
<u>546371</u>	<u>Substation Minor Repairs-Group C</u>	<u>2022 Q1</u>	<u>Substations</u>
<u>Pending</u>	<u>Substation Minor Repairs-Group D</u>	<u>2022 Q1</u>	<u>Substations</u>
<u>Pending</u>	<u>Substation Minor Repairs-Group E</u>	<u>2022 Q1</u>	<u>Substations</u>
<u>542688</u>	<u>Streetlighting - Aguada</u>	<u>2022 Q1</u>	<u>Distribution</u>
<u>542756</u>	<u>Streetlighting - Guánica</u>	<u>2022 Q1</u>	<u>Distribution</u>
<u>542687</u>	<u>Streetlighting - Lajas</u>	<u>2022 Q1</u>	<u>Distribution</u>
<u>542517</u>	<u>Streetlighting - Luquillo</u>	<u>2022 Q1</u>	<u>Distribution</u>
<u>542690</u>	<u>Streetlighting - Maunabo</u>	<u>2022 Q1</u>	<u>Distribution</u>