

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

NEPR

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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 Two (2) Amended
FEMA Approvals of Project, Statement on New
FEMA Guidance, Request for Confidential
Treatment, and Supporting Memorandum of Law**

**MOTION SUBMITTING TWO (2) AMENDED FEMA APPROVALS OF PROJECT,
STATEMENT ON NEW FEMA GUIDANCE, REQUEST FOR CONFIDENTIAL
TREATMENT AND SUPPORTING MEMORANDUM OF LAW**

TO THE PUERTO RICO ENERGY BUREAU:

COME NOW LUMA Energy, LLC, and LUMA Energy ServCo, LLC, (jointly referred to as "LUMA"), through the undersigned legal counsel and, respectfully submit the following:

I. Submittal of Two Amended FEMA Approvals of Projects

1. On March 26, 2021, this Honorable Puerto Rico Energy Bureau ("Energy Bureau") issued a Resolution and Order in the instant proceeding, ordering, in pertinent part, that the Puerto Rico Electric Power Authority ("PREPA") submit to the Energy Bureau the specific transmission and distribution projects ("T&D Projects" or "Projects") to be funded with Federal Emergency Management Agency ("FEMA") funds or any other federal funds at least thirty (30) calendar days prior to submitting these Projects to the Puerto Rico Central Office for Recovery, Reconstruction and Resiliency ("COR3"), FEMA or any other federal agency ("March 26th Order"). It also directed PREPA to continue reporting to the Energy Bureau and FEMA, within the next five years, on the progress of all ongoing efforts related to the approval of the submitted Projects that have

not yet been approved by the Energy Bureau.¹ The Energy Bureau thereafter determined that this directive should be applied to PREPA and LUMA. *See* Resolution and Order of August 20, 2021.

2. On August 30, 2021, LUMA filed a *Motion Requesting Clarification of a Portion of the Energy Bureau's Resolution and Order Entered on August 20, 2021, and Submitting Updated List of Transmission and Distribution Projects and Twenty-Nine Scopes of Work* ("August 30th Motion"). In the August 30th Motion, LUMA submitted twenty-nine (29) SOWs for T&D Projects for the Energy Bureau's review and approval prior to submitting them to COR3 and FEMA. Among the twenty-nine SOWs, LUMA submitted the "Distribution Pole and Conductor Replacement" SOW, encompassing pole and conductor replacement projects throughout Puerto Rico.

3. On September 22, 2021, the Energy Bureau issued a Resolution and Order that determined that most of the SOWs for T&D projects submitted by LUMA in the August 30th Motion were necessary to improve the system's reliability ("September 22nd Order"). Therefore, it approved most of the projects presented in the August 30th Motion, including the "Distribution Pole and Conductor Replacement" SOW. The Energy Bureau also ordered LUMA to submit a copy of the approval by COR3 and/or FEMA of the Project, which shall contain the costs obligated for each project within ten (10) days of receiving such approval.

4. As shown in Exhibit 1 of the Motion filed on January 24, 2022, *Motion Submitting Updated list of Transmission and Distribution Projects and Three Scopes of Work*, and most recently in Exhibit 5 of the Motion filed on July 31, 2024, *Motion Submitting Three Amended Scopes of Work, and One Scope of Work, and Updated Project List, and Request for*

¹ On April 22, 2026, the Energy Bureau issued a Resolution and Order ("April 22nd Order"), in which it extended the March 26th Order's reporting period for an additional five (5) years. *See* April 22nd Order, p.2. The Energy Bureau stated that all the other provisions of the March 26th Order would remain in full force and effect. *Id.*

Confidentiality and Supporting Memorandum of Law, the “Distribution Pole and Conductor Replacement” SOW is divided into individual projects per region, which includes the “FAASt [Pole and Conductor Repair -Caguas Group 3 Phase 2] (Distribution)” and “FAASt [Pole and Conductor Repair – Mayaguez Group 3 – Phase 2] (Distribution)” T&D Projects.

5. Thereafter, on September 26, 2025, LUMA filed a *Motion Submitting Eighteen FEMA Approvals of Projects, Request for Confidential Treatment and Supporting Memorandum of Law*, whereby, in compliance with the August 20th Order, LUMA submitted a copy of the project approval issued by FEMA on September 17, 2025, for the “FAASt [Pole and Conductor Repair - Caguas Group 3 Phase 2] (Distribution)” T&D Project.

6. Similarly, on October 3, 2025, LUMA filed a *Motion Submitting Seven FEMA Approvals of Projects, Request for Confidential Treatment and Supporting Memorandum of Law*, whereby, in compliance with the August 20th Order, LUMA submitted a copy of the project approval issued by FEMA on September 25, 2025, for the “FAASt [Pole and Conductor Repair – Mayaguez Group 3 – Phase 2] (Distribution)” T&D Project.

7. In compliance with the September 22nd Order, LUMA hereby submits copies of the following amended approvals by FEMA, which state they were re-obligated on August 24, 2026: “FAASt [Pole and Conductor Repair -Caguas Group 3 Phase 2] (Distribution)” and “FAASt [Pole and Conductor Repair – Mayaguez Group 3 – Phase 2] (Distribution)” T&D Projects. **See Exhibit 1** to this Motion.

8. Version 1 of the “FAASt [Pole and Conductor Repair -Caguas Group 3 Phase 2] (Distribution)” approved T&D project was created to capture the change in scope and cost as per LUMA provided documentation. LUMA requested the alignment of the scope and cost of this project with the mitigation proposal. Version 0 will be fully de-obligated to reclassify 428 (Public

Assistance) costs from the previous version, which will be added to 406 (Mitigation) costs in this version. *See Exhibit 1* of this Motion, FEMA-re-obligation for this project, p. 15.

9. As for the “FAAST [Pole and Conductor Repair – Mayaguez Group 3 – Phase 2] (Distribution)” approved T&D project, Version 1 of the project was also created to capture change in the scope and cost as per LUMA provided documentation. LUMA requested the alignment of the scope and cost of this project with the mitigation proposal. Version 0 will be fully de-obligated to avoid any duplication of costs. *See Exhibit 1* of this Motion, FEMA-re-obligation for this project, p. 14.

II. Statement on New FEMA Sub-FAAST Transaction Guidance

10. FEMA has recently clarified that certain projects will require multiple versions of obligations due to system limitations within Sub-FAAST transactions. Specifically, when a project includes both 406 Hazard Mitigation Proposal (HMP) and 428 Public Assistance (PA) cost modifications—with one being positive and the other negative—FEMA cannot process both changes within a single version. As communicated by FEMA:

This project version includes request for cost modification for both 406 HMP and 428 PA costs, one with positive amount and the other negative. The cost change cannot be processed in the same version due to system limitation. Thus, two separate versions are required to capture cost change. The current version will obligate the positive funds (whether 406 HMP or 428), and the future version will capture the negative portion. This guidance applies only to Sub-FAAST transactions; non-FAAST transactions remain unchanged.²

11. LUMA believes that FEMA will continue releasing new versions of obligations when situations like this occur. This clarification is given to mitigate confusion when there are

² *See also, Exhibit 1* of this Motion, FEMA “FAAST [Pole and Conductor Repair -Caguas Group 3 Phase 2] (Distribution)” Cost Approval, p. 31; *Exhibit 1* of this Motion, FEMA “FAAST [Pole and Conductor Repair – Mayaguez Group 3 – Phase 2] (Distribution)” Cost Approval, p.33.

cost differences between the Consolidated Project List and the amounts later approved or modified by FEMA.

III. Request for Confidential Treatment

12. LUMA is submitting herein redacted public versions of the amended FEMA approvals (**Exhibit 1**) protecting confidential information associated with Critical Energy Infrastructure Information (“CEII”). As explained below, portions of the amended FEMA approvals of projects are protected from disclosure as CEII, *see, e.g.*, 6 U.S.C. §§ 671-674; 18 C.F.R. § 388.113 (2020), and pursuant to the Energy Bureau’s Policy on Management of Confidential Information. *See* Energy Bureau’s Policy on Management of Confidential Information, CEPR-MI-2016-0009, issued on August 31, 2016, as amended by Resolution dated September 20, 2016.

IV. Memorandum of Law in Support of Request for Confidentiality

A. Applicable Laws and Regulations to Submit Information Confidentially Before the Energy Bureau

13. The bedrock provision on the management of confidential information filed before this Energy Bureau, is Section 6.15 of Act 57-2014, known as the “Puerto Rico Energy Transformation and Relief Act.” It provides, in pertinent part, that: “[i]f any person who is required to submit information to the [Energy Bureau] believes that the information to be submitted has any confidentiality privilege, such person may request the [Energy Bureau] to treat such information as such” 22 LPRA § 1054n (2026). If the Energy Bureau determines, after appropriate evaluation, that the information should be protected, “it shall grant such protection in a manner that least affects the public interest, transparency, and the rights of the parties involved in the administrative procedure in which the allegedly confidential document is submitted.” *Id.* § 1054n(a).

14. Access to confidential information shall be provided “only to the lawyers and external consultants involved in the administrative process after the execution of a confidentiality agreement.” *Id.* § 1054n(b). Finally, Act 57-2014 provides that this Energy Bureau “shall keep the documents submitted for its consideration out of public reach only in exceptional cases. In these cases, the information shall be duly safeguarded and delivered exclusively to the personnel of the [Energy Bureau] who needs to know such information under nondisclosure agreements. However, the [Energy Bureau] shall direct that a non-confidential copy be furnished for public review.” *Id.* § 1054n(c).

15. Relatedly, in connection with the duties of electric power service companies, Section 1.10 (i) of Act 17-2019 provides that electric power service companies shall provide the information requested by customers, except for confidential information in accordance with the Rules of Evidence of Puerto Rico.

16. Moreover, the Energy Bureau’s Policy on Management of Confidential Information details the procedures a party should follow to request that a document or portion thereof be afforded confidential treatment. In essence, the referenced Policy requires identifying confidential information and filing a memorandum of law explaining the legal basis and support for a request to file information confidentially. *See* CEPR-MI-2016-0009, Section A, as amended by the Resolution of September 20, 2016, CEPR-MI-2016-0009. The memorandum should also include a table that identifies the confidential information, a summary of the legal basis for the confidential designation, and why each claim or designation conforms to the applicable legal basis of confidentiality. *Id.* at ¶ 3. The party who seeks confidential treatment of information filed with the Energy Bureau must also file both a “redacted” or “public version” and an “unredacted” or “confidential” version of the document that contains confidential information. *Id.* at ¶ 6.

17. The Energy Bureau's Policy on Management of Confidential Information states the following with regard to access to validated CEII:

Critical Energy Infrastructure Information ("CEII")

The information designated by the [Energy Bureau] as Validated Confidential Information on the grounds of being CEII may be accessed by the parties' authorized representatives only after they have executed and delivered the Nondisclosure Agreement.

Those authorized representatives who have signed the Non-Disclosure Agreement may only review the documents validated as CEII at the [Energy Bureau] or the Producing Party's offices. During the review, the authorized representatives may not copy or disseminate the reviewed information and may bring no recording device to the viewing room.

Id. at § D (on Access to Validated Confidential Information).

18. Regulation No. 8543, *Regulation on Adjudicative, Notice of Noncompliance, Rate Review, and Investigation Proceedings*, also includes a provision for filing confidential information in proceedings before this Energy Bureau. To wit, Section 1.15 provides that "a person has the duty to disclose information to the [Energy Bureau] considered to be privileged pursuant to the Rules of Evidence, said person shall identify the allegedly privileged information, request the [Energy Bureau] the protection of said information, and provide supportive arguments, in writing, for a claim of information of privileged nature. The [Energy Bureau] shall evaluate the petition and, if it understands [that] the material merits protection, proceed according to [...] Article 6.15 of Act No. 57-2015, as amended." *See also* Energy Bureau Regulation No. 9137 on *Performance Incentive Mechanisms*, § 1.13 (addressing disclosure before the Energy Bureau of Confidential Information and directing compliance with Resolution CEPR-MI-2016-0009).

B. Request for Confidentiality

19. Portions of the two amended FEMA Approvals included in **Exhibit 1** contain CEII that, under relevant federal law and regulations, are protected from public disclosure. LUMA stresses that the amended FEMA Approvals with CEII warrant confidential treatment to protect critical infrastructure from threats that could undermine the system and negatively affect electric power services to the detriment of the interests of the public, customers, and citizens of Puerto Rico.

20. This Energy Bureau has granted LUMA's requests for confidential treatment of portions of the amended FEMA Approvals submitted for approval in the present case. Notably, the Energy Bureau has granted LUMA's request for confidential treatment of portions of FEMA Approvals of Projects submitted for consideration and authorization. Furthermore, this Energy Bureau designated portions of submitted FEMA Approvals of Projects as confidential CEII in its Resolution and Order of March 20, 2023; *see* Table 1 on pages 1-2.

21. As mentioned above, the Energy Bureau's Policy on Management of Confidential Information provides for the management of CEII. It directs that the parties' authorized representatives access information validated as CEII only after executing and delivering a Non-Disclosure Agreement.

22. CEII or critical infrastructure information is generally exempted from public disclosure because it involves assets and information that pose public security, economic, health, and safety risks. Federal Regulations on CEII, particularly, 18 C.F.R. § 388.113, state that:

Critical energy infrastructure information means specific engineering, vulnerability, or detailed design information about proposed or existing critical infrastructure that:

- (i) Relates details about the production, generation, transportation, transmission, or distribution of energy;
- (ii) Could be useful to a person in planning an attack on critical infrastructure;

- (iii) Is exempt from mandatory disclosure under the Freedom of Information Act, 5 U.S.C. 552; and
- (iv) Does not simply give the general location of the critical infrastructure.

Id.

23. Additionally, “[c]ritical electric infrastructure means a system or asset of the bulk-power system, whether physical or virtual, the incapacity or destruction of which would negatively affect national security, economic security, public health or safety, or any combination of such matters. *Id.* Finally, “[c]ritical infrastructure means existing and proposed systems and assets, whether physical or virtual, the incapacity or destruction of which would negatively affect security, economic security, public health or safety, or any combination of those matters.” *Id.*

24. The Critical Infrastructure Information Act of 2002, 6 U.S.C. §§ 671-674 (2020), part of the Homeland Security Act of 2002, protects critical infrastructure information (“CII”).³

³ Regarding protection of voluntary disclosures of critical infrastructure information, 6 U.S.C. § 673, provides in pertinent part, that CII:

- (A) shall be exempt from disclosure under the Freedom of Information Act;
 - (B) shall not be subject to any agency rules or judicial doctrine regarding ex parte communications with a decision-making official;
 - (C) shall not, without the written consent of the person or entity submitting such information, be used directly by such agency, any other Federal, State, or local authority, or any third party, in any civil action arising under Federal or State law if such information is submitted in good faith;
 - (D) shall not, without the written consent of the person or entity submitting such information, be used or disclosed by any officer or employee of the United States for purposes other than the purposes of this part, except—
 - (i) in furtherance of an investigation or the prosecution of a criminal act; or
 - (ii) when disclosure of the information would be--
 - (I) to either House of Congress, or to the extent of matter within its jurisdiction, any committee or subcommittee thereof, any joint committee thereof or subcommittee of any such joint committee; or
 - (II) to the Comptroller General, or any authorized representative of the Comptroller General, in the course of the performance of the duties of the Government Accountability Office
 - (E) shall not, be provided to a State or local government or government agency; of information or records;
 - (i) be made available pursuant to any State or local law requiring disclosure of information or records;
 - (ii) otherwise be disclosed or distributed to any party by said State or local government or government agency without the written consent of the person or entity submitting such information;
- or

CII is defined as “information not customarily in the public domain and related to the security of critical infrastructure or protected systems” 6 U.S.C. § 671 (3).⁴

25. Portions of the amended FEMA Approvals in **Exhibit 1** qualify as CEII because each of these documents contains the express coordinates and physical addresses to power transmission and distribution facilities (18 C.F.R. § 388.113(iv)), and these specific coordinates and addresses could potentially be helpful to a person planning an attack on the energy facilities listed as part of this FEMA approval. The information is not common knowledge and is not made publicly available. Therefore, it is respectfully submitted that, on balance, the public interest in protecting CEII weighs in favor of protecting the relevant portions of the amended FEMA Approvals with CEII in **Exhibit 1** from disclosure, given the nature and scope of the details included in those portions of the Exhibit.

26. Based on the above, LUMA respectfully submits that portions of the amended FEMA Approvals should be designated as CEII. This designation is a reasonable and necessary measure to protect the specific location of the energy facilities listed or discussed in the amended FEMA approvals in **Exhibit 1**. Given the importance of ensuring the safe and efficient operation

(iii) be used other than for the purpose of protecting critical Infrastructure or protected systems, or in furtherance of an investigation or the prosecution of a criminal act.

(F) does not constitute a waiver of any applicable privilege or protection provided under law, such as trade secret protection.

⁴ CII includes the following types of information:

(A) actual, potential, or threatened interference with, attack on, compromise of, or incapacitation of critical infrastructure or protected systems by either physical or computer-based attack or other similar conduct (including the misuse of or unauthorized access to all types of communications and data transmission systems) that violates Federal, State, or local law, harms interstate commerce of the United States, or threatens public health or safety;

(B) the ability of any critical infrastructure or protected system to resist such interference, compromise, or incapacitation, including any planned or past assessment, projection, or estimate of the vulnerability of critical infrastructure or a protected system, including security testing, risk evaluation thereto, risk management planning, or risk audit; or

(C) any planned or past operational problem or solution regarding critical infrastructure or protected systems, including repair, recovery, construction, insurance, or continuity, to the extent it is related to such interference, compromise, or incapacitation.

of the generation assets and the T&D System, LUMA respectfully submits that these materials constitute CEII that should be maintained confidentially to safeguard their integrity and protect them from external threats.

C. Identification of Confidential Information

27. In compliance with the Energy Bureau's Policy on Management of Confidential Information (CEPR-MI-2016-0009) below, find a table summarizing the portions of the amended FEMA approvals for which we present this request for confidential treatment.

Document	Name	Pages in which Confidential Information is Found, if applicable	Summary of Legal Basis for Confidentiality Protection, if applicable	Date Filed
Exhibit 1	FAASt [Pole and Conductor Repair – Caguas Group 3 Phase 2] (Distribution)	Pages 1, 2, 6, 15-17, 23	Critical Energy Infrastructure Information, 18 C.F.R. § 388.113; 6 U.S.C. §§ 671-674.	September 1, 2026
	FAASt Pole and Conductor Repair – Mayaguez Group 3 – Phase 2] (Distribution)	Pages 1-2, 6, 14-15, 21, 25	Critical Energy Infrastructure Information, 18 C.F.R. § 388.113; 6 U.S.C. §§ 671-674.	September 1, 2026

WHEREFORE, LUMA respectfully requests that the Energy Bureau **take notice** of the aforementioned; **accept** the copy of the Amended FEMA approvals attached herein as **Exhibit 1**; and **grant** the request for confidential treatment of **Exhibit 1**.

RESPECTFULLY SUBMITTED.

We hereby certify that we filed this Motion using the electronic filing system of this Energy Bureau. We will send an electronic copy of this Motion to PREPA via Alexis Rivera, alexis.rivera@prepa.pr.gov, and through its counsel of record, Natalia Zayas Godoy, nzayas@gmlex.net, Richard Cruz Franqui, rcruzfranqui@gmlex.net, and Mirelis Valle Cancel, mvalle@gmlex.net, to Genera PR LLC, through its counsel of record, Jorge Fernández-Reboredo, jfernandez@ecija.com, José J. Díaz Alonso, jdiaz@ecija.com, and Ernesto R. Ramos Maldonado, eramos@ecija.com.

In Guaynabo, Puerto Rico, on this 1st day of September 2026.



DLA Piper (Puerto Rico) LLC

B-7 Tabonuco St.

Suite 1501

Guaynabo, PR 00968

Tel. 787-945-9132 / 9109

Fax 939-697-6102 / 6190

/s/ Yahaira De la Rosa Algarín

Yahaira De la Rosa Algarín

RUA NÚM. 18,061

yahaira.delarosa@us.dlapiper.com

/s/ Emmanuel Porro González

Emmanuel Porro González

RUA NÚM. 23,704

emmanuel.porrogonzalez@us.dlapiper.com

Exhibit 1

(public version, confidential version to be filed under seal of confidentiality)

**Department of Homeland Security
Federal Emergency Management Agency**

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General Info

Project #	735474	PW #	107918	Project Type	Specialized
Project Category	F - Utilities	Applicant	PR Electric Power Authority (000-UA2QU-00)		
Project Title	FAASt [Pole and Conductor Repair - Caguas Group 3 Phase 2] (Distribution)			Event	4339DR-PR (4339DR)
Project Size	Large	Declaration Date	9/20/2017		
Activity Completion Date	9/20/2027	Incident Start Date	9/17/2017		
Process Step	Obligated	Incident End Date	11/15/2017		

Damage Description and Dimensions

The Disaster # 4339DR, which occurred between 09/17/2017 and 11/15/2017, caused:

Damage #661604; FAASt [Distribution Pole and Conductor Repair - Caguas Group 3 - Phase 2]

General Facility Information:

- **Facility Type:** Power generation, transmission, and distribution facilities
- **Facility:** FAASt [Distribution Pole and Conductor Repair - Caguas Group 3 - Phase 2](SUB.2801-02, SUB.2801-03, SUB.2803-02, SUB.3201-04, SUB.3205-07, SUB.3301-01, SUB.3301-01, SUB.3301-02)
- **Facility Description:** The facilities listed below are part of the feeder systems in the Caguas Region. These interconnected and inter functional distribution feeders (sites) establish the electrical distribution system. The feeders all originate from a substation (start) and serve customers along a route to various locations (end). The coordinates represented by GPS end is the end of the mainline backbone of each feeder. These feeders are a subset of projects identified in the Distribution Feeders – Caguas Short Term projects in the PREPA 10-Year Infrastructure Plan.
- **Approx. Year Built:** 1980
- **Start GPS Latitude/Longitude:** [REDACTED]
- **End GPS Latitude/Longitude:** [REDACTED]

Final Scope

661604 FAASt [Distribution Pole and Conductor Repair - Caguas Group 3 - Phase 2]

INTRODUCTION

This document is to submit for COR3 and FEMA approval the Detailed Scope of Work (SOW) for project 735474 Distribution Pole and Conductor Repair - Caguas Group 3 - Phase 2 Project under DR- 4339-PR Public Assistance. The document provides a detailed project description, including scope, schedule, cost estimates, and Environmental and Historic Preservation (EHP) requirements; LUMA Energy is seeking approval from COR3 and FEMA for project funding to repair, restore, or replace the eligible facilities.

LUMA submits this Detailed SOW under the Transmission and Distribution Operations & Maintenance Agreement between Puerto Rico Electric Power Authority (PREPA), the Puerto Rico Public-Private Partnerships Authority (P3A), and LUMA Energy, and in accordance with the Consent to Federal Funding Letter issued by PREPA and P3A, which collectively provides the necessary consent for LUMA Energy, as agent of PREPA, to undertake work in connection with any Federal Funding requests related to the T&D System submitted to FEMA.

FACILITIES

Facilities Description

The interconnected and inter-functional distribution feeders (sites) that are the object of this scope of work are part of the electrical distribution system in the Caguas Region. All the feeders originate from a substation (start) and serve customers along the route to various locations (end). The coordinates shown below as "GPS End" represent the end of each feeder's mainline backbone.

Facilities List

The table below describes seven distribution feeders being replaced as part of the project. The table identifies the GPS location of the line segments, the voltage level, and an indication of the extent of work by identifying the number of poles to be replaced.

Name	Feeder Number	# Of Poles to Replace	GPS Start	GPS End	Phase	Voltage Level (kV)	Constructed Date
LAS PIEDRAS, SUB. 2801	2801-02	84			1 Phase	8.32	More than 20 years
LAS PIEDRAS, SUB. 2801	2801-03	30			1 Phase	8.32	More than 20 years
PUEBLITO DEL RIO, SUB. 2803	2803-02	91			1 Phase	8.32	More than 20 years
JUNCOS, SUB. 3201	3201-04	101			1 Phase	4.16	More than 20 years
JUNCOS, SUB. 3205	3205-07	174			1 Phase	13.2	More than 20 years
SAN LORENZO, SUB. 3301	3301-01	83			1 Phase	8.32	More than 20 years
SAN LORENZO 2, SUB. 3302	3302-02	43			1 Phase	8.32	More than 20 years

PROJECT SCOPE OF WORK

The project's scope is the replacement of poles and the repair of conductors for specific feeders in Caguas region to be performed under the "Proposed 428 Public Assistance Scope of Work". Each work type specific to said scope of works for this group are included below.

The proposed restoration includes the replacement of eligible disaster damage up to required codes and standards and the request to upgrade undamaged infrastructure to fully effectuate the restoration of disaster-damaged components and restore the system's function to an approved industry standard. The Scope of Work consists of the removal and replacement of the following infrastructure to restore

this facility to codes and standards.

Proposed 428 Public Assistance Scope of Work

Feeder 2801-02 Scope:

Remove	Quantity	Install	Quantity
35' WOOD	47	45FT S5.7 GALV STEEL	47
40' WOOD	24	45FT S5.7 GALV STEEL	24
40' CONCRETE	5	45FT S5.7 GALV STEEL	5
45' WOOD	3	45FT S5.7 GALV STEEL	3
35' WOOD	3	50FT S8 GALV STEEL	3
40' WOOD	1	50FT S8 GALV STEEL	1
55' WOOD	1	50FT S8 GALV STEEL	1

Feeder 2801-03 Scope:

-

Remove	Quantity	Install	Quantity
35' WOOD	15	45FT S5.7 GALV STEEL	15
35' CONCRETE	1	45FT S5.7 GALV STEEL	1
40' WOOD	10	45FT S5.7 GALV STEEL	10
45' WOOD	3	45FT S5.7 GALV STEEL	3
45' CONCRETE	1	45FT S5.7 GALV STEEL	1

-

Feeder 2803-02 Scope:

-

Remove	Quantity	Install	Quantity
35' WOOD	49	45FT S5.7 GALV STEEL	49

40' WOOD	25	45FT S5.7 GALV STEEL	25
40' CONCRETE	5	45FT S5.7 GALV STEEL	5
40' GALVANIZED	1	45FT S5.7 GALV STEEL	1
45' WOOD	6	45FT S5.7 GALV STEEL	6
35' WOOD	1	50FT S8 GALV STEEL	1
40' WOOD	4	50FT S8 GALV STEEL	4

Feeder 3201-04 Scope:

Remove	Quantity	Install	Quantity
30' WOOD	1	45FT S5.7 GALV STEEL	1
35' WOOD	52	45FT S5.7 GALV STEEL	52
40' WOOD	31	45FT S5.7 GALV STEEL	31
40' CONCRETE	11	45FT S5.7 GALV STEEL	11
35' WOOD	3	50FT S8 GALV STEEL	3
40' WOOD	1	50FT S8 GALV STEEL	1
40' CONCRETE	2	50FT S8 GALV STEEL	2

Feeder 3205-07 Scope:

Remove	Quantity	Install	Quantity
30' WOOD	1	45FT S5.7 GALV STEEL	1
35' WOOD	117	45FT S5.7 GALV STEEL	117
40' WOOD	34	45FT S5.7 GALV STEEL	34
45' WOOD	5	45FT S5.7 GALV STEEL	5
50' WOOD	1	45FT S5.7 GALV STEEL	1

35' WOOD	6	50FT S8 GALV STEEL	6
40' WOOD	9	50FT S8 GALV STEEL	9
45 WOOD	1	50FT S8 GALV STEEL	1

Feeder 3301-01 Scope:

Remove	Quantity	Install	Quantity
35' WOOD	57	45FT S5.7 GALV STEEL	57
40' WOOD	22	45FT S5.7 GALV STEEL	22
40' GALVANIZED	1	45FT S5.7 GALV STEEL	1
45' WOOD	1	45FT S5.7 GALV STEEL	1
55' CONCRETE	1	45FT S5.7 GALV STEEL	1
40' WOOD	1	50FT S8 GALV STEEL	1

Feeder 3302-02 Scope:

Remove	Quantity	Install	Quantity
35' WOOD	10	45FT S5.7 GALV STEEL	10
40' WOOD	30	45FT S5.7 GALV STEEL	30
45' WOOD	2	45FT S5.7 GALV STEEL	2
40' WOOD	1	50FT S8 GALV STEEL	1

Scope Notes

The work includes the following actions:

A. Pole Replacement

1. Remove existing poles, including hardware, and install new poles, including hardware, in the exact location. If the replacement cannot be installed in the precise location, the pole will be installed within 3 feet.

2. All pole installations are to replace existing pole locations; no new locations are included in this scope of work. For the depths of the poles to be installed, refer to APPENDIX C—Project Considerations, column C (Soil area and depth impact).
3. The existing foundation will be removed and replaced with a new concrete foundation base as per Distribution Construction Standards (Concrete Base Standard). The maximum auger width to be used is 42" and the maximum depth to be drilled is 15ft. Refer to APPENDIX C – Project Considerations column I (Concrete Foundation) for specific locations where this work applies.
4. New guy wire/ anchors are to be installed within 3 feet of the existing anchor in compliance with the LUMA Overhead Electrical Distribution System Manual. The maximum distance an anchor will be installed for a 50-foot pole is 25 feet from the base of the pole, within the right-of-way.
5. Vegetation clearance will be performed solely to the extent that it allows crews to conduct work and will be limited to 10 feet radius surrounding the surface of the pole but not to exceed the width of the right-of-way for the exclusive purpose of gaining access to the pole to conduct repairs. The costs related to Vegetation clearance procedures are in project [727694] FAAS [Region 4 -Caguas Group C] (Vegetation). The vegetation removal process will be managed according to federal and state regulations.
6. All work for this program will be performed within the current electrical right-of-way.

B. Material Disposal:

1. PCBs, oil from the transformer and breakers, sealants, and other chemical wastes typical of a construction site are considered hazardous waste and will be disposed of by the contractor in approved facilities per applicable federal, state, and local regulations. Refer to the Waste Management Plan in the applicant profile.
2. Debris to be removed includes *Waste Management Plan* in the applicant profile.
3. Transformers will be contained and returned to LUMA in compliance with applicable federal, state, and local regulations. Removing the transformer will require testing the existing oil for PCB levels. Per environmental regulations, the oil will be drained and delivered to the authorized waste disposal site. Refer to the *Waste Management Plan*.

1. Access Roads:

1. Poles are close to the roads and are site accessible with existing access points at the established locations. **The construction of access roads is not required for this scope of work.** Refer to APPENDIX C—Project Considerations in column G, "Site Accessible."

1. Staging Area:

1. All materials are stored and dispatched from the Caguas Regional Warehouse (██████████). Refer to Warehouse locations. No additional or temporary staging areas are required.

1. Fill, Gravel, Sand, etc.

1. Fill, gravel, and sand materials will be obtained from an approved supplier as referenced in the LUMA Vendor Directory List in the applicant profile. LUMA will retain and make available for review the documentation provided by material suppliers.

4. List of Equipment to be used:

1. Skid Steer, Excavator, Dump trucks, Manlifts, 120-ton Motor Crane, Boom Trucks, 45-ton Crane, Zoom Boom, Air compressor, Truck Digger, Water truck, Pump Truck, Concrete Vibrator, Oil Tanker, Filtering Machine, and Flatbed platform.
2. Vegetation will be removed utilizing machete, chainsaw, electric pruner, telescopic pole pruner, bucket truck, and/or chipper.

G. Specific List of Permits Required:

1. DTOP Endorsements & Municipality Notifications.
Excavation and Demolition Notification in the Department of Transportation and Public Works Agency - (DTOP).

C. Proposed 406 Hazard Mitigation Grant Program Scope of Work

406 Hazard Mitigation Proposal

This version of the project will be fully funded using PA 428 funds. A future version of this project may contain PA 406 HM measures.

PROJECT ESTIMATE

The estimated costs (compliant with Class 3 Accuracy +/-30%) to complete the project are captured in the table(s) below. The cost estimate was developed utilizing preliminary Architectural and Engineering design information and may be subject to change. LUMA has allocated 10% of the project cost to mitigate known risks. For more details, refer to APPENDIX B – Detailed Cost Estimate.

Project Cost Estimate Notes:

COST ESTIMATE			
Cost Element	428	406	PROJECT TOTAL
PLANNING	\$ 1,420,828.67	\$ -	\$ 1,420,828.67
MANAGEMENT	\$ 541,268.06	\$ -	\$ 541,268.06
Caguas Group 3 Phase 2	\$ 16,785,005.42	\$ -	\$ 16,785,005.42
material, labor and equipment	\$ 12,987,247.00	\$ -	\$ 12,987,247.00
Lodging & Per Diem & Travel	\$ 2,047,977.00		\$ 2,047,977.00
Contingency	\$ 1,298,724.70	\$ -	\$ 1,298,724.70
Escalation	\$ 451,056.72	\$ -	\$ 451,056.72
COST TOTALS	\$ 18,747,102.15	\$ -	\$ 18,747,102.15
DEDUCTIONS	TOTAL INSURANCE PROCEEDS RECEIVED		

FAASt ALLOCATIONS	FAAST PROJECT #735474 TOTAL:		\$ 14,075,641.42
FAASt A&E # 335168 TOTAL	\$ 1,962,096.73	\$ -	\$ 1,962,096.73
FAASt E&M #673691 TOTAL	\$ 2,709,364.00	\$ -	\$ 2,709,364.00

Work To Be completed: \$18,747,102.15

A&E Deduction (Global A&E FAASt# 335168): \$1,962,096.73

E&M Deduction (FAASt# 673691): \$2,709,364.00

Project Total Cost (FAASt Project# 805521): \$14,075,641.42

Project Notes:

1. This project is part of Donor FAASt 136271 – MEPA078 Puerto Rico Electrical Power Authority (PREPA) Island Wide FAASt Project.
2. For additional information of detailed SOW please refer to document labeled: 735474-DR4339PR-Detailed SOW Caguas Group 3 - Phase 2 Rev 428-1.pdf
3. For detailed Cost Estimate please refer to document labeled: Detailed Cost Estimate - Caguas Group 3 - Phase 2 Rev0 428(2).xlsx
4. A&E cost included in this project will be reduced from this project and obligated under the FAASt Project #335168, A&E, as show in in the table above. The A&E project was obligated to track and account for cost associated with individual FAASt projects.
5. Equipment and material costs included in this project will be reduced from this project and obligated under FAASt Project #673691, Equipment and Materials, as shown in the table above. Only the base cost of equipment and/or material will be reduced from this project (not labor). All costs associated with Planning, Management, General Conditions, and Contingencies will remain in this project.

APPENDIX A - Structure Coordinates

APPENDIX B - Detail Cost Estimate

APPENDIX C - Project Considerations

406 HMP Scope

406 Hazard Mitigation measures were not requested by the subrecipient for this project in Version 0. However, the mitigation opportunities will be applied in a future version (V1) of the Permanent Work Project. The project is ready for Insurance completion.

Cost

Code	Quantity	Unit	Total Cost	Section
9001	1	Lump Sum	(\$2,709,364.00)	Uncompleted
9001	1	Lump Sum	\$18,747,102.15	Uncompleted
3510	1	Lump Sum	(\$1,962,096.73)	Uncompleted
9201	1	Lump Sum	\$0.00	Completed

CRC Gross Cost \$14,075,641.42

Total 406 HMP Cost \$0.00

Total Insurance Reductions \$0.00

CRC Net Cost \$14,075,641.42

Federal Share (90.00%) \$12,668,077.28

Non-Federal Share (10.00%) \$1,407,564.14

Subgrant Conditions

- As described in Title 2 Code of Federal Regulations (C.F.R.) § 200.333, financial records, supporting documents, statistical records and all other non-Federal entity records pertinent to a Federal award must be retained for a period of three (3) years from the date of submission of the final expenditure report or, for Federal awards that are renewed quarterly or annually, from the date of the submission of the quarterly or annual financial report, respectively, as reported to the Federal awarding agency or pass-through entity in the case of a subrecipient. Federal awarding agencies and pass-through entities must not impose any other record retention requirements upon non-Federal entities. Exceptions are stated in 2 C.F.R. §200.333(a) – (f)(1) and (2). All records relative to this project are subject to examination and audit by the State, FEMA and the Comptroller General of the United States and must reflect work related to disaster-specific costs.
- The terms of the FEMA-State Agreement are incorporated by reference into this project under the Public Assistance award and the applicant must comply with all applicable laws, regulations, policy, and guidance. This includes, among others, the Robert T. Stafford Disaster Relief and Emergency Assistance Act; Title 44 of the Code of Federal Regulations; FEMA Policy No. 104-009-2, Public Assistance Program and Policy Guide; and other applicable FEMA policy and guidance.
- The DHS Standard Terms and Conditions in effect as of the declaration date of this emergency declarations or major disaster, as applicable, are incorporated by reference into this project under the Public Assistance grant, which flow down from the Recipient to subrecipients unless a particular term or condition indicates otherwise.
- The Uniform Administrative Requirements, Cost Principles, and Audit Requirements set forth at Title 2 Code of Federal Regulations (C.F.R.) Part 200 apply to this project award under the Public Assistance grant, which flow down from the Recipient to all subrecipients unless a particular section of 2 C.F.R. Part 200, the FEMA-State Agreement, or the terms and conditions of this project award indicate otherwise. See 2 C.F.R. §§ 200.101 and 110.
- The subrecipient must submit a written request through the Recipient to FEMA before it makes a change to the approved scope of work in this project. If the subrecipient commences work associated with a change before FEMA approves the change, it will jeopardize financial assistance for this project. See FEMA Policy No. 104-009-2, Public Assistance Program and Policy Guide.
- When any individual item of equipment purchased with PA funding is no longer needed, or a residual inventory of unused supplies exceeding \$5,000 remains, the subrecipient must follow the disposition requirements in Title 2 Code of Federal Regulations (C.F.R.) § 200.313-314.
- Pursuant to section 312 of the Stafford Act, 42 U.S.C. 5155, FEMA is prohibited from providing financial assistance to any entity that receives assistance from another program, insurance, or any other source for the same work. The subrecipient agrees to repay all duplicated assistance to FEMA if they receive assistance for the same work from another Federal agency, insurance, or any other source. If an subrecipient receives funding from another federal program for the same purpose, it must notify FEMA through the Recipient and return any duplicated funding.
- In the seeking of proposals and letting of contracts for eligible work, the Applicant/Subrecipient must comply with its Local, State (provided that the procurements conform to applicable Federal law) and Federal procurement laws, regulations, and procedures as required by FEMA Policy 2 CFR Part 200, Procurement Standards, §§ 317-326.
- The Recipient must submit its certification of the subrecipient's completion of this project, the final claim for payment, and supporting documentation within 180 days from the date that the applicant completes the scope of work, or the project deadline, whichever occurs first. FEMA reimburses Large Projects (those with costs above the large project threshold) based on the actual eligible final project costs. Therefore, during the final project reconciliation (closeout), the project may be amended to reflect the reconciliation of actual eligible costs.
- The Subrecipient provided the estimate for this PW. FEMA validated the estimate and found it to be reasonable for the work to be performed.

Insurance

Additional Information

7/22/2026

No adjustments to be made to the previous insurance coverage determination, no revisions to narrative needed, updated applicant tracker if

needed, providing administrative function and forwarding project for completion.

Jean-Carlo Echevarria, PA Insurance Specialist, CRC Atlantic, Guaynabo P.R.

4/30/2026

Does the Applicant have a Commercial Policy: Yes.

Does the Applicant's Commercial Policy extend coverage for the damage described in this project: No.

Property insurance coverage for the electrical distribution facilities represented on this project are not insured or insurable. No insurance relief is anticipated. No Obtain and Maintain requirement will be made.

FEMA requires the applicant to take reasonable efforts to pursue claims to recover insurance proceeds that it is entitled to receive from its insurer(s). In the event that any insurance proceeds are received for these expenses those proceeds must be reduced from FEMA Public Assistance funding to ensure no duplication of benefits has occurred.

No duplication of benefits from insurance is anticipated for work described in this application. In the event any part or all costs are paid by an insurance policy, a duplication of benefits from insurance will occur. Applicant must notify grantee and FEMA of such recoveries and the Sub-Grant award amount must be reduced by actual insurance proceeds.

No insurance requirements will be required for this project. Insurance requirements are specific to permanent work to replace, restore, repair, reconstruct, or construct buildings, contents, equipment, or vehicles. (FEMA Recovery Policy FP 206-086-1).

No insurance narrative will be produced or uploaded into documents or attachments.

Jean-Carlo Echevarria, PA Insurance Specialist, CRC Atlantic, Guaynabo, PR

O&M Requirements

There are no Obtain and Maintain Requirements on **FAASt [Pole and Conductor Repair -Caguas Group 3 Phase 2] (Distribution)**.

406 Mitigation

There is no additional mitigation information on **FAASt [Pole and Conductor Repair -Caguas Group 3 Phase 2] (Distribution)**.

Environmental Historical Preservation

Is this project compliant with EHP laws, regulations, and executive orders?

Yes

EHP Conditions

- Any change to the approved scope of work will require re-evaluation for compliance with NEPA and other Laws and Executive Orders.
- This review does not address all federal, state and local requirements. Acceptance of federal funding requires recipient to comply with all federal, state and local laws. Failure to obtain all appropriate federal, state and local environmental permits and clearances may jeopardize funding.
- If ground disturbing activities occur during construction, applicant will monitor ground disturbance and if any potential archaeological resources are discovered, will immediately cease construction in that area and notify the State and FEMA.
- All borrow or fill material must come from pre-existing stockpiles, material reclaimed from maintained roadside ditches (provided the designed width or depth of the ditch is not increased), or commercially procured material from a source existing prior to the

event. For any FEMA-funded project requiring the use of a non-commercial source or a commercial source that was not permitted to operate prior to the event (e.g., a new pit, agricultural fields, road ROWs, etc.) in whole or in part, regardless of cost, the Applicant must notify FEMA and the Recipient prior to extracting material. FEMA must review the source for compliance with all applicable federal environmental planning and historic preservation laws and executive orders prior to a Subrecipient or their contractor beginning to borrow extraction. Consultation and regulatory permitting may be required. Non-compliance with this requirement may jeopardize receipt of federal funding. Documentation of borrow sources utilized is required at close-out and must include fill type (private, commercial, etc.), name, fill site GPS coordinates (not of the company/governmental office), address, and type of material.

- **Unexpected Discoveries:** Pursuant to Stipulation III.B of the PSPA, if, in the course of implementing this Individual Undertaking(s), previously unidentified structures, sites, buildings, objects, districts, or archaeological deposits, that may be eligible for listing in the National Register, or human remains are uncovered, or if it appears that an Individual Undertaking has affected or will affect a previously identified historic property in an unanticipated manner, the contractor must notify Subrecipient who will immediately notify the Recipient. Work must stop in the vicinity of the discovery and measures must be taken to protect the discovery and avoid additional harm. Additional staging areas and/or work pads within work site area have not been identified yet. The Recipient/Subrecipient and/or private operator must provide the information of any additional staging areas or work pads for EHP evaluation as soon as available specially if any construction activity will be necessary to prepare the site(s). Information for staging areas and/or work pads confined to previously disturbed or hardened surfaces can be provided at close-out.
- **Endangered Species Act (ESA).** The below conservation measures apply to the following species: Puerto Rican Parrot (*Amazona vittata*) for Feeders 2803-02 and 3205-07; Puerto Rican Plain Pigeon (*Patagioenas inornata wetmorei*) for Feeders 3201-04, 3205-07, 3301-01, and 3302-02; Puerto Rican Broad-Winged Hawk (*Buteo platypterus brunnescens*) for Feeders 2803-02, 3205-07 and 3301-01; Puerto Rican Sharp-Shinned Hawk (*Accipiter striatus venator*) Feeder 3301-01. 1. All personnel will be advised that there are civil and criminal penalties for harming, harassing, or killing species protected under the Endangered Species Act of 1973, as amended. During breeding seasons (see below), nest surveys shall be conducted if a project occurs within the range of any of the species listed above and if habitat for those species will be impacted by the proposed actions. Nest searches must be conducted by qualified personnel with the appropriate permits from the Puerto Rico Department of Natural and Environmental Resources (PRDNER) prior to start of work. If nesting activity is detected, all construction activities or human disturbance must be avoided within a 50-meter buffer around any nest(s) found within the project area. This avoidance strategy must be kept until fledglings successfully leave the nest(s) permanently. Outside the breeding season no nest surveys are required, but if a nest is encountered, all construction activities or human disturbance must be avoided within a 50-meter buffer around that nest(s). This avoidance strategy must be kept until fledglings successfully leave the nest(s) permanently. Furthermore, if any of the species indicated above is observed (e.g., foraging, resting) within the project area, avoid any disturbance to the individual(s) and do not flush the bird until it leaves on its own. Nesting seasons: Puerto Rican parrot: February-June. Puerto Rican plain pigeon: April-September. Puerto Rican broad-winged hawk: December-June. Puerto Rican sharp-shinned hawk: December-June. For all nest sightings, the Applicant must record the time and date of the sighting and the specific location where it was found. All sightings and incidental lethal take reports should be sent to the USFWS Caribbean Ecological Services Field Office at Caribbean_es@fws.gov. For questions, the Point of Contact (POC) is Jose Cruz-Burgos, Endangered Species Program Coordinator, and can be contacted at: . Mobile: 305-304-1386 . Office phone: 786-244-0081 . Office Direct Line: 939-320-3120 . Email: jose_cruz-burgos@fws.gov
- The Applicant shall handle, manage, and dispose of all types of hazardous waste in accordance with requirements of local, state, and federal laws, regulations, and ordinances. In addition, the Applicant shall ensure that all debris is separated and disposed of in a manner consistent with the PR DNER guidelines at a permitted site or landfill. The contractor/applicant will be responsible for the proper disposition of construction debris in authorized landfills providing the name, location, coordinates and permits of the facility to the corresponding authorities. The applicant is responsible to ensure damaged transformers are handled, managed, and disposed of in accordance with all federal and state laws and requirements. Downed electrical equipment may contain toxic and hazardous materials, such as polychlorinated biphenyls (PCBs), and may spill these materials if a rupture occurs. Applicant is responsible for screening transformers that do or may contain PCBs and the area where any related spill occurred. The applicant is then responsible to handle, manage, dispose of, or recycle damaged equipment and contaminated soil as appropriate. Where possible, temporary measures should be implemented to prevent, treat, or contain further releases or mitigate the migration of PCBs into the environment. If damaged equipment or material storage containers must be stored temporarily, containers should be placed on hardened surface areas, such as a concrete or an asphalt for no more than 90 days. Excavated contaminated material should be disposed of in accordance with federal and state laws and requirements. Unusable equipment, debris, white goods, scrap metal any other material shall be disposed in approved manner and location. In the event significant items are discovered during the implementation or development of the project the Applicant shall handle, manage, and dispose petroleum products, hazardous materials, and toxic waste in accordance with the requirements of the local and federal agencies. Noncompliance with these requirements may jeopardize receipt of federal funds. Vegetative debris management alternatives can be left on site, landfill disposal, or recycled. For vegetative debris left on site, the Applicant shall apply best management practices to ensure debris will not cause encroachment in the floodplain, interference with the natural water flows; sedimentation or erosion or nearby wetlands; alteration to water quality, danger to endangered or threatened species and/or its habitats or community safety. Applicant shall ensure disposal of vegetative waste is in accordance with requirements of local, state, and federal laws, regulations, and ordinances. The contractor/applicant will be responsible for the proper management and disposition in authorized landfills or recycle facilities. Disposal or recycle evidence should be kept on Applicant file, because it can be requested at close-out. Any change or adjustment in waste management alternatives shall be submitted for EHP review.
- Executive Order 11988 Floodplains Conditions for Feeders 2803-02, 3205-07 and 3301-01: Applicant must obtain any required

Final Reviews

Final Review

Reviewed By LEFRANC-GARCIA, CARLOS L.

Reviewed On 05/22/2025 8:21 PM PDT

Review Comments

Project reviewed, found eligible and reasonable. - CLG 05.22.2025

Recipient Review

Reviewed By Mulero, Noel

Reviewed On 06/02/2025 1:52 AM PDT

Review Comments

Recipient review completed. Applicant must ensure to compliance with all regulatory requirements, Record of Environmental Consideration (REC) Special Conditions and PA policy. Project is ready for applicant review.

Project Signatures

Reviewed By Unsigned

Reviewed On Unsigned

General Info

Project #	735474	PW #	107918	Project Type	Specialized
Project Category	F - Utilities	Applicant	PR Electric Power Authority (000-UA2QU-00)		
Project Title	FAAST [Pole and Conductor Repair - Caguas Group 3 Phase 2] (Distribution)			Event	4339DR-PR (4339DR)
Project Size	Large	Declaration Date	9/20/2017		
Activity Completion Date	9/20/2027	Incident Start Date	9/17/2017		
Process Step	Obligated	Incident End Date	11/15/2017		

Damage Description and Dimensions

The Disaster # 4339DR, which occurred between **09/17/2017** and **11/15/2017**, caused:

Damage #661604; FAASt [Distribution Pole and Conductor Repair - Caguas Group 3 - Phase 2]

General Facility Information:

- **Facility Type:** Power generation, transmission, and distribution facilities
- **Facility:** FAASt [Distribution Pole and Conductor Repair - Caguas Group 3 - Phase 2](SUB.2801-02, SUB.2801-03, SUB.2803-02, SUB.3201-04, SUB.3205-07, SUB.3301-01, SUB.3301-01, SUB.3301-02)
- **Facility Description:** The facilities listed below are part of the feeder systems in the Caguas Region. These interconnected and inter functional distribution feeders (sites) establish the electrical distribution system. The feeders all originate from a substation (start) and serve customers along a route to various locations (end). The coordinates represented by GPS end is the end of the mainline backbone of each feeder. These feeders are a subset of projects identified in the Distribution Feeders – Caguas Short Term projects in the PREPA 10-Year Infrastructure Plan.
- **Approx. Year Built:** 1980
- **Start GPS Latitude/Longitude:** [REDACTED]
- **End GPS Latitude/Longitude:** [REDACTED]

Final Scope

661604 FAASt [Distribution Pole and Conductor Repair - Caguas Group 3 - Phase 2]

***** VERSION 1 *****

Version 1 has been created to capture change in scope and cost as per Applicant provided documentation. LUMA requests the alignment of the scope and cost of Project 735474 with the mitigation proposal.

Version 0 will be fully de-obligated to reclassify 428 (Public Assistance) costs from the previous version, which will be added to 406 (Mitigation) costs in this version.

SOW from previous Versions has been removed from current SOW. It can be found in the "Versioning and Amendments" tab in GM.

Introduction

Pursuant to FEMA's Post-Fixed Cost Estimate Obligation SOP (the "SOP") for FAASt projects, FAASt subrecipients must provide to FEMA recovery

project scopes of work ("SOW") for the proposed construction work to be performed. The SOW defines the activities that will be performed using Public Assistance ("PA") funding and includes § 406 hazard mitigation proposals ("HMPs").

According to the SOP, FEMA "anticipates that [SOW] submissions might include preliminary designs, including drawings and cost estimates. FEMA also recognizes that, generally, architects and/or engineers do not include or delineate the information needed to enable FEMA to complete programmatic reviews. Therefore, in those cases, subrecipients must ensure to submit all the information described [in the SOP] and not limit the submission to a drawing set. Refer to PartC - II. Recipient/Subrecipient Checklist for Submissions as a guide to review completeness." SOP at 4.

This document contains the detailed SOW for FEMA PA Project 735474 -Distribution Pole and Conductor Repair – Caguas Group 3 – Phase 2 under DR-4339-PR Public Assistance. The document provides a detailed description of the project, the scope of PA construction activities to be completed, common EHP review information, proposed hazard mitigation measures, and project cost estimates. LUMA is seeking approval from COR3 and FEMA for PA funding for the scope described in this document.

LUMA submits this Detailed SOW pursuant to the Transmission and Distribution Operations and Maintenance Agreement between the Puerto Rico Electric Power Authority ("PREPA"), the Puerto Rico Public-Private Partnerships Authority ("P3A"), and LUMA, and in accordance with the Consent to Federal Funding Letter issued by PREPA and P3A, which collectively provides the necessary consent for LUMA, as agent of PREPA, to undertake work in connection with any Federal Funding requests related to the T&D System submitted to FEMA. References to "Subrecipient" herein refer to PREPA pursuant to this agreement and consent for LUMA to act as its agent with respect to federal funds.

Project Description

The project's scope is the replacement of poles and the repair of conductors for specific feeders in Caguas region.

The proposed restoration includes the replacement of eligible disaster damage up to required codes and standards and the request to upgrade undamaged infrastructure to fully effectuate the restoration of disaster-damaged components and restore the system's function to an approved industry standard. The scope of work consists of the removal and replacement of infrastructure to restore this facility to codes and standards.

Facilities

FACILITIES LIST – BUILDINGS AND SUBSTATIONS

The interconnected and inter-functional distribution feeders (sites) that are the object of this scope of work are part of the electrical distribution system in the Caguas Region. All the feeders originate from a substation (start) and serve customers along the route to various locations (end). The coordinates shown below as "GPS End" represent the end of each feeder's mainline backbone.

Name	Feeder Number	# Of Poles to Replace	GPS Start	GPS End	Phase	Voltage Level (kV)	Constructed Date
LAS PIEDRAS, SUB. 2801	2801-02	84			Single Phase	8.32	More than 20 years
LAS PIEDRAS, SUB. 2801	2801-03	30			Single Phase	8.32	More than 20 years
PUEBLITO DEL RIO, SUB. 2803	2803-02	91			Single Phase	8.32	More than 20 years
JUNCOS, SUB. 3201	3201-04	101			Single Phase	4.16	More than 20 years
JUNCOS, SUB. 3205	3205-07	174			Single Phase	13.2	More than 20 years

SAN LORENZO, SUB. 3301	3301-01	83		Single Phase	8.32	More than 20 years
SAN LORENZO 2, SUB. 3302	3302-02	43		Single Phase	8.32	More than 20 years

See Appendix A for the coordinates of each structure included in this project.

PROJECT AREA MAP WITH BOUNDARIES OF CONSTRUCTION

Please see the attached map identified as boundaries of construction at Appendix 735474-DR4339PR-Appendix E - Caguas Group 3 - Phase 2 -Boundaries of construction.

For Caguas Group 3 – Phase 2 picture please see document “735474-DR4339PR-Detailed SOW Caguas Group 3 - Phase 2 -V1-REV3 .pdf”

Section Scope of Work

The proposed type of work for this project:

☒ [X] Standard Project: Restores the facility/facilities to pre-disaster design and function to locally-adopted codes/standards and/or FEMA-approved industry standards.

☐ Improved Project: Restores the pre-disaster function of the facilities and incorporates improvements or changes to its pre-disaster design not required by codes or standards.

☐ Subrecipient's request letter included, see Appendix.

- Recipient's approval letter included, see Appendix.
- Alternate Project: Does not restore the pre-disaster function of the damage facility. The Subrecipient, through the Recipients, must obtain approval from FEMA.
- Subrecipient's request letter included, see Appendix.
- Recipient's approval letter included, see **Appendix** __.

In the obligated submission, LUMA proposed:

- The Removal and replacement of six hundred and six (606) damaged poles total.
 - Two (2) of 30 ft Wood poles with 45 ft S5.7 Galvanized steel round tapered and their hardware, anchors and guywires.
 - One (1) of 35 ft Concrete poles with 45 ft S5.7 Galvanized steel round tapered and their hardware, anchors and guywires.
 - Three hundred and forty-seven (347) of 35 ft Wood poles with 45 ft S5.7 Galvanized steel round tapered and their hardware, anchors and guywires.
 - Thirteen (13) of 35 ft Wood poles with 50 ft Galvanized steel round tapered and their hardware, anchors and guywires.
 - Twenty-one (21) of 40 ft Concrete poles with 45 ft S5.7 Galvanized steel round tapered and their hardware, anchors and guywires.
 - Two (2) of 40 ft Concrete poles with 50 ft Galvanized steel round tapered and their hardware, anchors and guywires.
 - Two (2) of 40 ft Galvanized with 45 ft S5.7 Galvanized steel round tapered and their hardware, anchors and guywires.
 - One hundred seventy-six (176) 40 ft Wood poles with 45-ft S5.7 Galvanized steel round tapered and their hardware, anchors, and guywires.
 - Seventeen (17) 40 ft Wood with 50 ft Galvanized steel round tapered and their hardware, anchors, and guywires.
 - One (1) of 45 ft Concrete poles with 45 ft S5.7 Galvanized steel round tapered and their hardware, anchors and guywires.
 - Twenty (20) of 45 ft Wood poles with 45 ft S5.7 Galvanized steel round tapered and their hardware, anchors and guywires.
 - One (1) 45 ft Wood with 50 ft Galvanized steel round tapered and their hardware, anchors, and guywires.
 - One (1) 50 ft Wood with 45 ft S5.7 Galvanized steel round tapered and their hardware, anchors and guywires.
 - One (1) 55 ft Concrete with 45 ft S5.7 Galvanized steel round tapered and their hardware, anchors and guywires.
 - One (1) 55 ft Wood with 50 ft Galvanized steel round tapered and their hardware, anchors and guywires.

In this DSOW, LUMA proposes to replace six hundred and six (606) poles as part of this 406-mitigation proposal:

- Five hundred seventy-one (571) poles with a higher-rated pole: 406 mitigation will fund the additional cost for pole strengthening (i.e., 428: remove the existing pole and replace it with a 50FT Galvanized Steel Round Pole, 406: install a 45 ft S5.7 Galvanized Steel, 12-sided, pole).
 - 428 to 406:
 - 50FT Galvanized Steel Round Pole to 45 ft S5.7 Galvanized Steel 12-sided pole = 571
- Thirty-five (35) Pole replacement with a higher-rated pole: 406 mitigation will fund the additional cost for pole strengthening (i.e., 428: remove the existing pole and replace with a 50FT Galvanized Steel Round Pole, 406: install a 50 ft S8.5 Galvanized Steel 12-sided, tapered shaft pole).
 - 428 to 406:
 - 50FT Galvanized Steel Round Pole to 50 ft S8.5 Galvanized Steel, 12-sided pole= 35

For more information, refer to the amendment letter of this project.

9.1 DESCRIPTION OF PROPOSED WORK TO BE PERFORMED

The Scope of Work entails the removal and replacement of infrastructure necessary to restore the facility in compliance with applicable codes and standards.

Proposed 428 Public Assistance Scope of Work

The work under this project consists of the removal and replacement of 606 poles and includes the following actions:

Feeder 2801-02 Scope:

Remove	Quantity	Proposed 428	Quantity
35' WOOD	50	50FT GAL STEEL ROUND POLE	50
40' WOOD	25	50FT GAL STEEL ROUND POLE	25
40' CONCRETE	5	50FT GAL STEEL ROUND POLE	5
45' WOOD	3	50FT GAL STEEL ROUND POLE	3
55' WOOD	1	50FT GAL STEEL ROUND POLE	1

Feeder 2801-03 Scope:

Remove	Quantity	Proposed 428	Quantity
35' WOOD	15	50FT GAL STEEL ROUND POLE	15
35' CONCRETE	1	50FT GAL STEEL ROUND POLE	1
40' WOOD	10	50FT GAL STEEL ROUND POLE	10
45' WOOD	3	50FT GAL STEEL ROUND POLE	3
45' CONCRETE	1	50FT GAL STEEL ROUND POLE	1

Feeder 2803-02 Scope:

35' WOOD	50	50FT GAL STEEL ROUND POLE	50
40' WOOD	29	50FT GAL STEEL ROUND POLE	29
40' CONCRETE	5	50FT GAL STEEL ROUND POLE	5
45' S3 GALV STEEL	1	50FT GAL STEEL ROUND POLE	1
45' WOOD	6	50FT GAL STEEL ROUND POLE	6

Feeder 3201-04 Scope:

Remove	Quantity	Proposed 428	Quantity
30' WOOD	1	50FT GAL STEEL ROUND POLE	1
35' WOOD	55	50FT GAL STEEL ROUND POLE	55
40' WOOD	32	50FT GAL STEEL ROUND POLE	32
40' CONCRETE	13	50FT GAL STEEL ROUND POLE	13

Feeder 3205-07 Scope:

Remove	Quantity	Proposed 428	Quantity
30' WOOD	1	50FT GAL STEEL ROUND POLE	1
35' WOOD	123	50FT GAL STEEL ROUND POLE	123
40' WOOD	43	50FT GAL STEEL ROUND POLE	43
45' WOOD	6	50FT GAL STEEL ROUND POLE	6
50' WOOD	1	50FT GAL STEEL ROUND POLE	1

Feeder 3301-01 Scope:

Remove	Quantity	Proposed 428	Quantity
35' WOOD	57	50FT GAL STEEL ROUND POLE	57
40' WOOD	23	50FT GAL STEEL ROUND POLE	23
40' GALVANIZED	1	50FT GAL STEEL ROUND POLE	1
45' WOOD	1	50FT GAL STEEL ROUND POLE	1
55' CONCRETE	1	50FT GAL STEEL ROUND POLE	1

Feeder 3302-02 Scope:

Remove	Quantity	Proposed 428	Quantity
35' WOOD	10	50FT GAL STEEL ROUND POLE	10
40' WOOD	31	50FT GAL STEEL ROUND POLE	31
45' WOOD	2	50FT GAL STEEL ROUND POLE	2

The pole replacement work includes the following actions:

1. Remove existing poles, including hardware, and install new poles, including hardware, in the exact location. If the replacement cannot be installed in the precise location, the pole will be installed within 3 feet of the existing pole location.
2. The existing foundation will be removed and replaced with a new concrete foundation base as per Distribution Construction Standards (Concrete Base Standard).
2. New guy wire/anchors are to be installed within 3 feet of the existing anchor location in compliance with the LUMA Overhead Electrical Distribution System Manual. The maximum distance an anchor will be installed for a 50-foot pole is 25 feet from the base of the pole, within the easement.

CODES & STANDARDS

The following will be referenced when applying specific codes, specifications, and standards to the project design:

1. Distribution Construction Standards (Concrete Base Standard), available in Grants Portal - Applicant Event Profiles.
2. LUMA Overhead Electrical Distribution System Manual, version 4.0, available in Grants Portal - Applicant Event Profiles.
3. Consensus-based codes, per FEMA's Public Assistance Alternative Procedures (Section 428) Guide for Permanent Work FEMA-4339-DR-PR (Feb. 2020).
4. Industry standards per FEMA Recovery Policy FP-104-009-5, Version 2, Implementing Section 20601 of the 2018 Bipartisan Budget Act through the Public Assistance Program.
5. FEMA Recovery Interim Policy FP-104-009-11 Version 2.1, Consensus-Based Codes, Specifications, and Standards for Public Assistance.
6. LUMA's latest Design Criteria Document (DCD) which aggregates the design considerations of most of the consensus-based codes, specifications, and standards listed in FEMA Recovery Interim Policy 104-009-11 Version 2.1 (Dec. 20, 2019).

SECTION 406 HAZARD MITIGATION PROPOSAL

Refer to document: 735474-DR4339PR-Detailed SOW Caguas Group 3 - Phase 2 -V1-REV3 .pdf

PROPOSED § 406 HAZARD MITIGATION SCOPE OF WORK

Refer to document: 735474-DR4339PR-Detailed SOW Caguas Group 3 - Phase 2 -V1-REV3 .pdf

COMMON EHP REVIEW INFORMATION

Refer to document: 735474-DR4339PR-Detailed SOW Caguas Group 3 - Phase 2 -V1-REV3 .pdf

PROJECT COST ESTIMATE (PCE)

The estimated costs (compliant with **Class 3 Accuracy +/-30%**) to complete the project are summarized in the table(s) below. The cost estimate(s) was developed utilizing preliminary Architectural and Engineering design information. For a more detailed cost estimate refer to Appendix B - Detailed Cost Estimate.

COST ESTIMATE				
Cost Element	428	406	PROJECT TOTAL	
PLANNING	\$ 1,505,404.27	\$ 44,244.81	\$ 1,549,649.08	Work to be Completed (WTBC): \$ 19,881,071.76
(A&E) Permitting and Assessments	\$ 71,685.91	\$ 2,106.90	\$ 73,792.81	A&E Deduction (Global A&E FAAS 335168): - \$1,524,520.51
(A&E) Environmental Documentation & Management	\$ 318,604.08	\$ 9,363.98	\$ 327,968.06	
(A&E) Engineering Services & Design	\$ 1,115,114.28	\$ 32,773.93	\$ 1,147,888.21	E&M Deduction (Global E&M FAAS 673691): - \$1,144,636.03
MANAGEMENT	\$ 573,487.35	\$ 16,855.16	\$ 590,342.51	
(A&E) Design Development Project Management A&E	\$ 19,116.24	\$ 354.58	\$ 19,678.08	Project Total: \$17,211,915.22
(A&E) - Design Lodging & Per Diem A&E	\$ -	\$ -	\$ -	
Project Management	\$ 108,325.39	\$ 3,183.75	\$ 111,509.14	VERSION SUMMARY OF KEY CHANGES: V0: \$14,075,641.42 Change Requested: + \$3,162,579.76 V1: \$17,211,915.22
Construction Management	\$ 159,302.04	\$ 4,681.99	\$ 163,984.03	
Contracting, Procurement & Contract Administration	\$ 191,162.45	\$ 5,618.39	\$ 196,780.84	
Projects Controls (Scheduling, Estimating, Support, Cost Control, Risk, Document Control & Reporting)	\$ 95,581.23	\$ 2,809.19	\$ 98,390.42	
	\$ 17,802,180.14	\$ 523,217.56	\$ 18,325,397.70	
material, labor and equipment	\$ 13,882,227	\$ 468,198.97	\$ 14,350,426.01	
Lodging & Per Diem & Travel	\$ 2,047,977.00	\$ -	\$ 2,047,977.00	
Construction Contingency	\$ 1,394,069.98	\$ 40,972.62	\$ 1,435,042.60	

permits from the Puerto Rico Permits Management Office (OGPe) prior to initiating work and comply with any conditions of the permit established by the Planning Board (JP) for constructions in floodplains. All coordination (emails, letters, documented phone calls) pertaining to these activities and compliance must be provided and maintained in the Applicants permanent files.

- Executive Order 11990 - Wetlands Conditions for Feeders (2803-02 and 3205-07) The Applicant shall ensure best management practices are implemented to prevent erosion and sedimentation to surrounding, nearby or adjacent wetlands. To ensure that wetlands are not adversely impacted, per the Clean Water Act and Executive Order 11990, equipment storage and staging of construction materials and machinery must be in a location that would prevent erosion and sedimentation.
- Endangered Species Act (ESA) Conditions for the Puerto Rican Boa (*Chilabothrus inornatus*) for feeders (2801-02; 2801-03; 2803-02; 3201-04; 3205-07; 3301-01; and 3302-02). 1. Inform all project personnel about the potential presence of the Puerto Rican (PR) boa and Virgin Islands (VI) boa in areas where the proposed work will be conducted and provide training on PR and VI boa identification. A pre-construction meeting will be conducted to inform all project personnel about the need to avoid harming these species. All personnel will be advised that there are civil and criminal penalties for harming, harassing, or killing species protected under the Endangered Species Act of 1973. An educational poster or sign with photo or illustration of these species will be displayed at the project site. 2. Prior to any construction activity, including removal of vegetation and earth movement, the boundaries of the project area and any area to be excluded and protected will be clearly marked in the project plan and in the field to avoid further habitat degradation outside of the footprint of the project. 3. Once areas are clearly marked, and right before the use of heavy machinery and any construction activity (including removal of vegetation and earth movement), biologist or designated project personnel with experience on these species will survey the areas to be cleared to verify the presence of any PR or VI boa within the Action Area. If a PR or VI boa is found during the search, it should be captured and managed as per #6 below. Once the removal of vegetation begins, the biologist or designated personnel must remain at the work site and be ready to capture any boa that might be in harm's way as the result of the habitat disturbance (see #6). 4. For VI boas, once the Action Area has been searched, vegetation will be cut about one meter above ground prior to the use of heavy machinery for land clearing. Cutting vegetation by hand will allow VI boas present on site to move away on their own to adjacent available habitat. If there is no suitable habitat adjacent to the project site, any VI boa found will be relocated accordingly (see #6).
- 5. For all boa sightings (dead or alive), record the time and date of the sighting and the specific location where it was found. Data will also include a photo of the animal (dead or alive), relocation site GPS coordinates, time and date of the relocation, and comments on how the animal was detected and its behavior. 6. If any PR or VI boa (dead or alive) is found within the Action Area and on harm's way, the action will stop, and information will be recorded (see #5). All attempts will be made to immediately safely capture and relocate the animal within suitable habitat (forested) at least 1km from the Action Area and away from construction areas. PR boa relocation sites will be pre-determined before the project starts and sites shared with the Service for revision and concurrence. Relocation of PR boas will be conducted by trained, designated personnel ensuring the animal is not harmed or injured during the capture and relocation process. 7. Measures will be taken to avoid and minimize PR boa and VI boa casualties by heavy machinery or motor vehicles being left in the Action Area. -Any heavy machinery left on site (staging areas) or near potential PR or VI boa habitat will be thoroughly inspected each morning before work starts to ensure that no boas have sheltered within engine compartments or other areas of the heavy machinery. If a PR boa or VI boa is found within vehicles or heavy machinery, boas will be safely captured accordingly. If not possible, the animal will be left alone until it leaves the vehicle or machine by itself. -The PR boa and VI boa may seek shelter within debris piles. Measures should be taken to avoid and minimize boa casualties associated with sheltering in new debris piles as a result of project activities. New debris piles should be placed in areas as far as possible from forested areas. Prior to moving, disposing, or shredding, debris piles should be carefully inspected for the presence of PR boas and VI boas. If debris piles will be left on site, we recommend they be placed in an undisturbed area. -In the event a PR boa and VI boa is found dead within the project area, the Federal Agency and the Recipient must contact the Service to appropriately dispose the animal. -If a PR boa or a VI boa is accidentally injured or killed during capture and relocation activities during the Action, the Federal Agency and the Recipient shall terminate the authorized activities and contact the Service within 24 hours to reinstate consultation. The Federal Agency will consult with the Service to determine whether authorized activities should continue as proposed and whether modifications are warranted. -Should the forms of take reach the amount of exempted take during the Action, the Federal Agency and the Recipient shall terminate the authorized activities and contact the Service within 24 hours to reinstate consultation. The Federal Agency will consult with the Service to determine whether authorized activities should continue as proposed and whether modifications are warranted. For questions and to submit reports, the Services Point of Contact (POC) is José Cruz-Burgos, Endangered Species Coordinator, and can be contacted at: . Mobile: 305-304-1386 . Office phone: 786-244-0081 . Office Direct Line: 939-320-3120
- The Subrecipient and/or Subrecipient's contractor must follow the Low Impact Debris Removal Stipulations (LIDRS) outlined in Appendix E of the Project-Specific Programmatic Agreement Among FEMA, the SHPO, ACHP, COR3, and PREPA (PSPA), executed on August 2, 2022.
- If there are any further changes to the SOW, including any increase in the extent of ground disturbance, the applicant must notify FEMA beforehand, prior to engaging in further activities not within the current SOW.

EHP Additional Info

There is no additional environmental historical preservation on **FAAST [Pole and Conductor Repair -Caguas Group 3 Phase 2] (Distribution)** .

Escalation	\$ 477,906.12	\$ 14,045.97	\$ 491,952.09
COST TOTALS	\$ 19,881,071.76	\$ 584,317.53	\$ 20,465,389.29
DEDUCTIONS	TOTAL INSURANCE PROCEEDS RECEIVED	\$ -	
	DE-OBLIGATION TO FAASt IF APPLICABLE	\$ -	
FAASt ALLOCATIONS	FAASt PROJECT # 735474 - 428	\$ 17,211,915.22	
		\$ 584,317.53	
	FAASt PROJECT # 735474 - 406 HM		
		\$ 17,796,232.75	
	FAASt PROJECT # 735474 TOTAL:		
		\$ 1,524,520.51	
	FAASt A&E # 335168 - 428		
	FAASt A&E # 335168 - 406 HM	\$ 44,806.65	
	FAASt A&E # 335168 TOTAL	\$ 1,569,327.16	
	FAASt E&M #673691 - 428	\$ 1,144,636.03	
	FAASt E&M #673691 - 406 HM	\$ 468,198.97	
	FAASt E&M #673691 TOTAL	\$ 1,612,835.00	

ATTACHMENTS/APPENDICES

The following attachments and appendices are provided with this DSOW:

Item	Document Description or Filename
A	735474-DR4339PR-Appendix A - Structure Coordinates
B	735474-DR4339PR-Appendix B - Detailed Cost Estimate
C	735474-DR4339PR-Appendix C - Project Considerations
D	735474-DR4339PR-Appendix D - Caguas Warehouse
D(A)	735474-DR4339PR-Appendix D(A) – Warehouse Location
E	735474-DR4339PR-Appendix E-Boundaries of construction

Project Notes:

1. Refer to detailed SOW provided in document labeled: "735474-DR4339PR-Detailed SOW Caguas Group 3 - Phase 2 - V1-REV3 .pdf"
2. For cost estimate detailed information please refer to document: "735474-DR4339PR-Appendix B - Detail Cost Estimate - Caguas Group 3 - Phase 2 V1-REV3.xlsx".
3. This project is part of Donor FAAS 136271 – MEPA078 Puerto Rico Electrical Power Authority (PREPA) Island Wide FAAS Project.697.
4. Since in previous version the A&E and E&M dollar amount was deducted, now in version 1 a positive value has been added with the same amount to zero out the cost.
5. A&E cost included in this project will be reduced from this project and obligated under the FAAS Project #335168, A&E, as shown in the table above. The A&E project was obligated to track and account for costs associated with individual FAAS projects.
6. Equipment and material costs included in this project will be reduced from this project and obligated under FAAS Project #673691, Equipment and Materials, as shown in the table above. Only the base cost of equipment and/or material will be reduced from this project (not labor). All costs associated with Planning, Management, General Conditions, and Contingencies will remain in this project.

406 HMP Scope

Project number: [735474] FAAS [Pole and Conductor Repair - Caguas Group 3 - Phase 2] (Distribution)

Damage # 661604; FAAS [Distribution Pole and Conductor Repair - Caguas Group 3 - Phase 2]

Applicant: PR Electric Power Authority (000-UA2QU-00)

Location: Caguas, Puerto Rico

GPS Latitude/Longitude: Start: [REDACTED]; End: [REDACTED]

Hazard Mitigation Narrative

During the incident period from September 17, 2017, to November 15, 2017, the Commonwealth of Puerto Rico experienced hurricane-force winds, heavy rain, flooding, and power outage "loss of power" from Hurricane Maria. The incident caused damage to the electrical system, such as the power generation plants, transmission and distribution lines, substations, communication systems, buildings, among other damages to the infrastructures owned, operated, and maintained by the Puerto Rico Electric Power Authority (PREPA).

Project #735474] FAAS [Pole and Conductor Repair - Caguas Group 3 - Phase 2] (Distribution)

The Distribution Pole and Conductor Repair - Caguas Group 3 - Phase 2] (Distribution) consists of seven (7 ea.) interconnected and inter-functional distribution feeders (sites) establish the electrical distribution system as follow: LAS PIEDRAS (2801-02); LAS PIEDRAS (2801-03); PUEBLITO DEL RIO (2803-02); JUNCOS (3201-04); JUNCOS (3205-07); SAN LORENZO (3301-01) & SAN LORENZO 2 (3302-02).

The Method of Repair (MOR) included the replacement of the damaged critical distribution poles (wood, concrete or galvanized), cross-arms, insulators, and all associated hardware needed for the new structure. According to the information provided by the Applicant, due to the high velocity hurricane winds, wind-blown debris, and prolonged heavy rain, were the main cause of the damages of the facilities.

In order to minimize the damages in a future event, the Applicant is proposing as a mitigation measure, increase the strength of the poles by increasing the wind tolerance to +160mph. Note: The FEMA Accelerated Award Strategy (FAAS) MOR included the PREPA distribution standards and specifications that were based on a 145mph sustained winds. However, the new PREPA Standard 2021 updates the design-criteria to a 160mph sustained winds resistant. The +160mph wind tolerance mitigation measure, will protect and make the affected infrastructure more resistant, stronger, and resilient to similar hazards.

Hazard Mitigation Proposal (HMP) Scope of Work:

In order to prevent or reduce future damages from similar events, the applicant proposed the following mitigation measures:

Mitigation Measures (Replacement)

1. To avoid damage in a future event, the Applicant is proposing as a mitigation measure, increase the strength of the poles by increasing the wind tolerance of all materials to +160mph. The FAAS MOR included the PREPA distribution standards and specifications that were based on a 145mph sustained winds. However, the new PREPA Standard 2021 updates the design-criteria to a 160mph sustained winds resistant. The above mitigation measures will protect and make the affected infrastructure more resistant, stronger, and resilient to similar hazards. Refer to Appendix J: Section VI.D.1 of the PAPPG V3.1.

[Distribution Critical Poles Replacement] 406 Mitigation Scope of Work:

1. Feeder 2801-02 Scope:

- Replace seventy-eight (78) 50' Galvanized Steel Round Pole by seventy-eight (78) 45' S5.7 Galvanized Steel Poles.
- Replace six (6) 50' Galvanized Steel Round Pole by six (6) 50' S8.5 Galvanized Steel Poles.

2. Feeder 2801-03 Scope:

- Replace thirty (30) 50' Galvanized Steel Round Pole by thirty (30) 45' S5.7 Galvanized Steel Poles.

3. Feeder 2803-02 Scope:

- Replace eighty-six (86) 50' Galvanized Steel Round Pole by eighty-six (86) 45' S5.7 Galvanized Steel Poles.
- Replace five (5) 50' Galvanized Steel Round Pole by five (5) 50' S8.5 Galvanized Steel Pole.

4. Feeder 3201-04 Scope:

- Replace ninety-five (95) 50' Galvanized Steel Round Pole by ninety-five (95) 45' S5.7 Galvanized Steel Poles.
- Replace six (6) 50' Galvanized Steel Round Pole by six (6) 50' S8.5 Galvanized Steel Pole.

5. Feeder 3205-07 Scope:

- Replace one hundred fifty-eight (158) 50' Galvanized Steel Round Pole by one hundred fifty-eight (158) 45' S5.7 Galvanized Steel Poles.
- Replace sixteen (16) 50' Galvanized Steel Round Pole by sixteen (16) 50' S8.5 Galvanized Steel Pole.

6. Feeder 3301-01 Scope:

- Replace eighty-two (82) 50' Galvanized Steel Round Pole by eighty-two (82) 45' S5.7 Galvanized Steel Poles.
- Replace one (1) 50' Galvanized Steel Round Pole by one (1) 50' S8.5 Galvanized Steel Pole.

7. Feeder 3302-02 Scope:

- Replace forty-two (42) 50' Galvanized Steel Round Pole by forty-two (42) 45' S5.7 Galvanized Steel Poles.
- Replace one (1) 50' Galvanized Steel Round Pole by one (1) 50' S8.5 Galvanized Steel Pole.

Hazard Mitigation Proposal (HMP) Cost:

Total Net Hazard Mitigation Cost (Base Cost) =	\$ 468,198.97
+ HM (Applicant A&E, Management & General Conditions) =	<u>\$ 116,118.56</u>
Hazard Mitigation Total Cost =	\$ 584,317.53

Hazard Mitigation Proposal (HMP) Cost Distribution:

Equipment and Materials (E&M)	\$ 468,198.97
Architecture and Engineering (A&E)	\$ 44,806.64
Construction Cost	<u>\$ 71,311.92</u>
Hazard Mitigation Total Cost =	\$ 584,317.53

HMP Cost-Effectiveness Calculations:

FEMA's Benefit-Cost Analysis (BCA), methodology evaluates expected risk reduction benefits of a hazard mitigation project and compares those benefits to the cost of the mitigation project. FEMA Public Assistance Program and Policy Guide (PAPPG) Chapter 2. Section VII. C. defines cost effective mitigation as: The Hazard Mitigation Measure is cost effective through an acceptable Benefit Cost Analysis (BCA) with a resulting Benefit Cost Ratio equal to or greater than (1).

The Island Wide Benefit Cost Analysis (IWBCA) created for the PREPA infrastructure defines a maximum potential benefit using the incurred costs of the PREPA FEMA Accelerated Award Strategy (FAAST) fixed cost estimate, the mission assignments utilized for the reconnection effort, and the costs associated with loss of service. This maximum benefit has been developed to fund all mitigation projects from both Public Assistance Hazard Mitigation and the Hazard Mitigation Grant program.

It is the applicant's responsibility to maintain a record of approved IWBCA related projects to avoid running out of funds for their Mitigation portion projects. Please see attached IWBCA Package

The cost of the Hazard Mitigation Proposal (HMP) described herein is **\$584,317.53** (Hazard Mitigation Total Cost). The cost of this HMP combined with all other proposals (both PA and HMGP) does not exceed the maximum potential benefit and is therefore deemed cost effective per FEMA Public Assistance Program and Policy Guide (PAPPG) V3.1 April 2018, Chapter 2, VII., Section C, BCA Rule. This Hazard Mitigation Proposal meets eligible repair and restoration cost-effective requirements.

**See Mitigation Profile Documents Tab in Grants Manager for complete version of this HMP and supporting documents (HMP, HMP cost estimate, Supporting documents file).

Cost

Code	Quantity	Unit	Total Cost	Section
9001	1	Lump Sum	(\$2,709,364.00)	Uncompleted
9001	1	Lump Sum	\$18,747,102.15	Uncompleted
3510	1	Lump Sum	(\$1,962,096.73)	Uncompleted
9201	1	Lump Sum	\$0.00	Completed
3510	1	Lump Sum	\$1,962,096.73	Uncompleted
9001	1	Lump Sum	\$2,709,364.00	Uncompleted
9001	1	Lump Sum	(\$18,747,102.15)	Uncompleted
3510	1	Lump Sum	(\$1,524,520.51)	Uncompleted
9001	1	Lump Sum	(\$1,144,636.03)	Uncompleted
9001	1	Lump Sum	\$19,881,071.76	Uncompleted

CRC Gross Cost \$17,211,915.22

Total 406 HMP Cost \$0.00

Total Insurance Reductions \$0.00

CRC Net Cost \$17,211,915.22

Federal Share (90.00%) \$15,490,723.70

Non-Federal Share (10.00%) \$1,721,191.52

Subgrant Conditions

- As described in Title 2 Code of Federal Regulations (C.F.R.) § 200.333, financial records, supporting documents, statistical records and all other non-Federal entity records pertinent to a Federal award must be retained for a period of three (3) years from the date of submission of the final expenditure report or, for Federal awards that are renewed quarterly or annually, from the date of the submission of the quarterly or annual financial report, respectively, as reported to the Federal awarding agency or pass-through entity in the case of a subrecipient. Federal awarding agencies and pass-through entities must not impose any other record retention requirements upon non-Federal entities. Exceptions are stated in 2 C.F.R. §200.333(a) – (f)(1) and (2). All records relative to this project are subject to examination and audit by the State, FEMA and the Comptroller General of the United States and must reflect work related to disaster-specific costs.
- The terms of the FEMA-State Agreement are incorporated by reference into this project under the Public Assistance award and the applicant must comply with all applicable laws, regulations, policy, and guidance. This includes, among others, the Robert T. Stafford Disaster Relief and Emergency Assistance Act; Title 44 of the Code of Federal Regulations; FEMA Policy No. 104-009-2, Public Assistance Program and Policy Guide; and other applicable FEMA policy and guidance.
- The DHS Standard Terms and Conditions in effect as of the declaration date of this emergency declarations or major disaster, as applicable, are incorporated by reference into this project under the Public Assistance grant, which flow down from the Recipient to subrecipients unless a particular term or condition indicates otherwise.
- The Uniform Administrative Requirements, Cost Principles, and Audit Requirements set forth at Title 2 Code of Federal Regulations (C.F.R.) Part 200 apply to this project award under the Public Assistance grant, which flow down from the Recipient to all subrecipients unless a particular section of 2 C.F.R. Part 200, the FEMA-State Agreement, or the terms and conditions of this project award indicate otherwise. See 2 C.F.R. §§ 200.101 and 110.
- The subrecipient must submit a written request through the Recipient to FEMA before it makes a change to the approved scope of work in this project. If the subrecipient commences work associated with a change before FEMA approves the change, it will jeopardize financial assistance for this project. See FEMA Policy No. 104-009-2, Public Assistance Program and Policy Guide.
- When any individual item of equipment purchased with PA funding is no longer needed, or a residual inventory of unused supplies exceeding \$5,000 remains, the subrecipient must follow the disposition requirements in Title 2 Code of Federal Regulations (C.F.R.) § 200.313-314.
- Pursuant to section 312 of the Stafford Act, 42 U.S.C. 5155, FEMA is prohibited from providing financial assistance to any entity that receives assistance from another program, insurance, or any other source for the same work. The subrecipient agrees to repay all duplicated assistance to FEMA if they receive assistance for the same work from another Federal agency, insurance, or any other source. If an subrecipient receives funding from another federal program for the same purpose, it must notify FEMA through the Recipient and return any duplicated funding.
- In the seeking of proposals and letting of contracts for eligible work, the Applicant/Subrecipient must comply with its Local, State (provided that the procurements conform to applicable Federal law) and Federal procurement laws, regulations, and procedures as required by FEMA Policy 2 CFR Part 200, Procurement Standards, §§ 317-326.
- The Recipient must submit its certification of the subrecipient's completion of this project, the final claim for payment, and supporting documentation within 180 days from the date that the applicant completes the scope of work, or the project deadline, whichever occurs first. FEMA reimburses Large Projects (those with costs above the large project threshold) based on the actual eligible final project costs. Therefore, during the final project reconciliation (closeout), the project may be amended to reflect the reconciliation of actual eligible costs.
- The Subrecipient provided the estimate for this PW. FEMA validated the estimate and found it to be reasonable for the work to be performed.

Insurance

Additional Information

7/22/2026

No adjustments to be made to the previous insurance coverage determination, no revisions to narrative needed, updated applicant tracker if

needed, providing administrative function and forwarding project for completion.

Jean-Carlo Echevarria, PA Insurance Specialist, CRC Atlantic, Guaynabo P.R.

4/30/2026

Does the Applicant have a Commercial Policy: Yes.

Does the Applicant's Commercial Policy extend coverage for the damage described in this project: No.

Property insurance coverage for the electrical distribution facilities represented on this project are not insured or insurable. No insurance relief is anticipated. No Obtain and Maintain requirement will be made.

FEMA requires the applicant to take reasonable efforts to pursue claims to recover insurance proceeds that it is entitled to receive from its insurer(s). In the event that any insurance proceeds are received for these expenses those proceeds must be reduced from FEMA Public Assistance funding to ensure no duplication of benefits has occurred.

No duplication of benefits from insurance is anticipated for work described in this application. In the event any part or all costs are paid by an insurance policy, a duplication of benefits from insurance will occur. Applicant must notify grantee and FEMA of such recoveries and the Sub-Grant award amount must be reduced by actual insurance proceeds.

No insurance requirements will be required for this project. Insurance requirements are specific to permanent work to replace, restore, repair, reconstruct, or construct buildings, contents, equipment, or vehicles. (FEMA Recovery Policy FP 206-086-1).

No insurance narrative will be produced or uploaded into documents or attachments.

Jean-Carlo Echevarria, PA Insurance Specialist, CRC Atlantic, Guaynabo, PR

O&M Requirements

There are no Obtain and Maintain Requirements on **FAASt [Pole and Conductor Repair -Caguas Group 3 Phase 2] (Distribution)** .

406 Mitigation

There is no additional mitigation information on **FAASt [Pole and Conductor Repair -Caguas Group 3 Phase 2] (Distribution)** .

Environmental Historical Preservation

Is this project compliant with EHP laws, regulations, and executive orders?

Yes

EHP Conditions

- Any change to the approved scope of work will require re-evaluation for compliance with NEPA and other Laws and Executive Orders.
- This review does not address all federal, state and local requirements. Acceptance of federal funding requires recipient to comply with all federal, state and local laws. Failure to obtain all appropriate federal, state and local environmental permits and clearances may jeopardize funding.
- If ground disturbing activities occur during construction, applicant will monitor ground disturbance and if any potential archaeological resources are discovered, will immediately cease construction in that area and notify the State and FEMA.
- All borrow or fill material must come from pre-existing stockpiles, material reclaimed from maintained roadside ditches (provided the designed width or depth of the ditch is not increased), or commercially procured material from a source existing prior to the

event. For any FEMA-funded project requiring the use of a non-commercial source or a commercial source that was not permitted to operate prior to the event (e.g., a new pit, agricultural fields, road ROWs, etc.) in whole or in part, regardless of cost, the Applicant must notify FEMA and the Recipient prior to extracting material. FEMA must review the source for compliance with all applicable federal environmental planning and historic preservation laws and executive orders prior to a Subrecipient or their contractor beginning to borrow extraction. Consultation and regulatory permitting may be required. Non-compliance with this requirement may jeopardize receipt of federal funding. Documentation of borrow sources utilized is required at close-out and must include fill type (private, commercial, etc.), name, fill site GPS coordinates (not of the company/governmental office), address, and type of material.

- **Unexpected Discoveries:** Pursuant to Stipulation III.B of the PSPA, if, in the course of implementing this Individual Undertaking(s), previously unidentified structures, sites, buildings, objects, districts, or archaeological deposits, that may be eligible for listing in the National Register, or human remains are uncovered, or if it appears that an Individual Undertaking has affected or will affect a previously identified historic property in an unanticipated manner, the contractor must notify Subrecipient who will immediately notify the Recipient. Work must stop in the vicinity of the discovery and measures must be taken to protect the discovery and avoid additional harm. Additional staging areas and/or work pads within work site area haven't been identified yet. The Recipient/Subrecipient and/or private operator must provide the information of any additional staging areas or work pads for EHP evaluation as soon as available specially if any construction activity will be necessary to prepare the site(s). Information for staging areas and/or work pads confined to previously disturbed or hardened surfaces can be provided at close-out.
- **Endangered Species Act (ESA).** The below conservation measures apply to the following species: Puerto Rican Parrot (*Amazona vittata*) for Feeders 2803-02 and 3205-07; Puerto Rican Plain Pigeon (*Patagioenas inornata wetmorei*) for Feeders 3201-04, 3205-07, 3301-01, and 3302-02; Puerto Rican Broad-Winged Hawk (*Buteo platypterus brunnescens*) for Feeders 2803-02, 3205-07 and 3301-01; Puerto Rican Sharp-Shinned Hawk (*Accipiter striatus venator*) Feeder 3301-01. 1. All personnel will be advised that there are civil and criminal penalties for harming, harassing, or killing species protected under the Endangered Species Act of 1973, as amended. During breeding seasons (see below), nest surveys shall be conducted if a project occurs within the range of any of the species listed above and if habitat for those species will be impacted by the proposed actions. Nest searches must be conducted by qualified personnel with the appropriate permits from the Puerto Rico Department of Natural and Environmental Resources (PRDNER) prior to start of work. If nesting activity is detected, all construction activities or human disturbance must be avoided within a 50-meter buffer around any nest(s) found within the project area. This avoidance strategy must be kept until fledglings successfully leave the nest(s) permanently. Outside the breeding season no nest surveys are required, but if a nest is encountered, all construction activities or human disturbance must be avoided within a 50-meter buffer around that nest(s). This avoidance strategy must be kept until fledglings successfully leave the nest(s) permanently. Furthermore, if any of the species indicated above is observed (e.g., foraging, resting) within the project area, avoid any disturbance to the individual(s) and do not flush the bird until it leaves on its own. Nesting seasons: Puerto Rican parrot: February-June. Puerto Rican plain pigeon: April-September. Puerto Rican broad-winged hawk: December-June. Puerto Rican sharp-shinned hawk: December-June. For all nest sightings, the Applicant must record the time and date of the sighting and the specific location where it was found. All sightings and incidental lethal take reports should be sent to the USFWS Caribbean Ecological Services Field Office at Caribbean_es@fws.gov. For questions, the Point of Contact (POC) is Jose Cruz-Burgos, Endangered Species Program Coordinator, and can be contacted at: . Mobile: 305-304-1386 . Office phone: 786-244-0081 . Office Direct Line: 939-320-3120 . Email: jose_cruz-burgos@fws.gov
- The Applicant shall handle, manage, and dispose of all types of hazardous waste in accordance with requirements of local, state, and federal laws, regulations, and ordinances. In addition, the Applicant shall ensure that all debris is separated and disposed of in a manner consistent with the PR DNER guidelines at a permitted site or landfill. The contractor/applicant will be responsible for the proper disposition of construction debris in authorized landfills providing the name, location, coordinates and permits of the facility to the corresponding authorities. The applicant is responsible to ensure damaged transformers are handled, managed, and disposed of in accordance with all federal and state laws and requirements. Downed electrical equipment may contain toxic and hazardous materials, such as polychlorinated biphenyls (PCBs), and may spill these materials if a rupture occurs. Applicant is responsible for screening transformers that do or may contain PCBs and the area where any related spill occurred. The applicant is then responsible to handle, manage, dispose of, or recycle damaged equipment and contaminated soil as appropriate. Where possible, temporary measures should be implemented to prevent, treat, or contain further releases or mitigate the migration of PCBs into the environment. If damaged equipment or material storage containers must be stored temporarily, containers should be placed on hardened surface areas, such as a concrete or an asphalt for no more than 90 days. Excavated contaminated material should be disposed of in accordance with federal and state laws and requirements. Unusable equipment, debris, white goods, scrap metal any other material shall be disposed in approved manner and location. In the event significant items are discovered during the implementation or development of the project the Applicant shall handle, manage, and dispose petroleum products, hazardous materials, and toxic waste in accordance with the requirements of the local and federal agencies. Noncompliance with these requirements may jeopardize receipt of federal funds. Vegetative debris management alternatives can be left on site, landfill disposal, or recycled. For vegetative debris left on site, the Applicant shall apply best management practices to ensure debris will not cause encroachment in the floodplain, interference with the natural water flows; sedimentation or erosion or nearby wetlands; alteration to water quality, danger to endangered or threatened species and/or its habitats or community safety. Applicant shall ensure disposal of vegetative waste is in accordance with requirements of local, state, and federal laws, regulations, and ordinances. The contractor/applicant will be responsible for the proper management and disposition in authorized landfills or recycle facilities. Disposal or recycle evidence should be kept on Applicant file, because it can be requested at close-out. Any change or adjustment in waste management alternatives shall be submitted for EHP review.
- Executive Order 11988 Floodplains Conditions for Feeders 2803-02, 3205-07 and 3301-01: Applicant must obtain any required

permits from the Puerto Rico Permits Management Office (OGPe) prior to initiating work and comply with any conditions of the permit established by the Planning Board (JP) for constructions in floodplains. All coordination (emails, letters, documented phone calls) pertaining to these activities and compliance must be provided and maintained in the Applicants permanent files.

- Executive Order 11990 - Wetlands Conditions for Feeders (2803-02 and 3205-07) The Applicant shall ensure best management practices are implemented to prevent erosion and sedimentation to surrounding, nearby or adjacent wetlands. To ensure that wetlands are not adversely impacted, per the Clean Water Act and Executive Order 11990, equipment storage and staging of construction materials and machinery must be in a location that would prevent erosion and sedimentation.
- Endangered Species Act (ESA) Conditions for the Puerto Rican Boa (*Chilabothrus inornatus*) for feeders (2801-02; 2801-03; 2803-02; 3201-04; 3205-07; 3301-01; and 3302-02). 1. Inform all project personnel about the potential presence of the Puerto Rican (PR) boa and Virgin Islands (VI) boa in areas where the proposed work will be conducted and provide training on PR and VI boa identification. A pre-construction meeting will be conducted to inform all project personnel about the need to avoid harming these species. All personnel will be advised that there are civil and criminal penalties for harming, harassing, or killing species protected under the Endangered Species Act of 1973. An educational poster or sign with photo or illustration of these species will be displayed at the project site. 2. Prior to any construction activity, including removal of vegetation and earth movement, the boundaries of the project area and any area to be excluded and protected will be clearly marked in the project plan and in the field to avoid further habitat degradation outside of the footprint of the project. 3. Once areas are clearly marked, and right before the use of heavy machinery and any construction activity (including removal of vegetation and earth movement), biologist or designated project personnel with experience on these species will survey the areas to be cleared to verify the presence of any PR or VI boa within the Action Area. If a PR or VI boa is found during the search, it should be captured and managed as per #6 below. Once the removal of vegetation begins, the biologist or designated personnel must remain at the work site and be ready to capture any boa that might be in harm's way as the result of the habitat disturbance (see #6). 4. For VI boas, once the Action Area has been searched, vegetation will be cut about one meter above ground prior to the use of heavy machinery for land clearing. Cutting vegetation by hand will allow VI boas present on site to move away on their own to adjacent available habitat. If there is no suitable habitat adjacent to the project site, any VI boa found will be relocated accordingly (see #6).
- 5. For all boa sightings (dead or alive), record the time and date of the sighting and the specific location where it was found. Data will also include a photo of the animal (dead or alive), relocation site GPS coordinates, time and date of the relocation, and comments on how the animal was detected and its behavior. 6. If any PR or VI boa (dead or alive) is found within the Action Area and on harm's way, the action will stop, and information will be recorded (see #5). All attempts will be made to immediately safely capture and relocate the animal within suitable habitat (forested) at least 1km from the Action Area and away from construction areas. PR boa relocation sites will be pre-determined before the project starts and sites shared with the Service for revision and concurrence. Relocation of PR boas will be conducted by trained, designated personnel ensuring the animal is not harmed or injured during the capture and relocation process. 7. Measures will be taken to avoid and minimize PR boa and VI boa casualties by heavy machinery or motor vehicles being left in the Action Area. -Any heavy machinery left on site (staging areas) or near potential PR or VI boa habitat will be thoroughly inspected each morning before work starts to ensure that no boas have sheltered within engine compartments or other areas of the heavy machinery. If a PR boa or VI boa is found within vehicles or heavy machinery, boas will be safely captured accordingly. If not possible, the animal will be left alone until it leaves the vehicle or machine by itself. -The PR boa and VI boa may seek shelter within debris piles. Measures should be taken to avoid and minimize boa casualties associated with sheltering in new debris piles as a result of project activities. New debris piles should be placed in areas as far as possible from forested areas. Prior to moving, disposing, or shredding, debris piles should be carefully inspected for the presence of PR boas and VI boas. If debris piles will be left on site, we recommend they be placed in an undisturbed area. -In the event a PR boa and VI boa is found dead within the project area, the Federal Agency and the Recipient must contact the Service to appropriately dispose the animal. -If a PR boa or a VI boa is accidentally injured or killed during capture and relocation activities during the Action, the Federal Agency and the Recipient shall terminate the authorized activities and contact the Service within 24 hours to reinstate consultation. The Federal Agency will consult with the Service to determine whether authorized activities should continue as proposed and whether modifications are warranted. -Should the forms of take reach the amount of exempted take during the Action, the Federal Agency and the Recipient shall terminate the authorized activities and contact the Service within 24 hours to reinstate consultation. The Federal Agency will consult with the Service to determine whether authorized activities should continue as proposed and whether modifications are warranted. For questions and to submit reports, the Services Point of Contact (POC) is José Cruz-Burgos, Endangered Species Coordinator, and can be contacted at: . Mobile: 305-304-1386 . Office phone: 786-244-0081 . Office Direct Line: 939-320-3120
- The Subrecipient and/or Subrecipient's contractor must follow the Low Impact Debris Removal Stipulations (LIDRS) outlined in Appendix E of the Project-Specific Programmatic Agreement Among FEMA, the SHPO, ACHP, COR3, and PREPA (PSPA), executed on August 2, 2022.
- If there are any further changes to the SOW, including any increase in the extent of ground disturbance, the applicant must notify FEMA beforehand, prior to engaging in further activities not within the current SOW.
- If ground disturbing activities occur during construction, the applicant will monitor ground disturbance, and if any previously unidentified historic properties, including archeological resources, are discovered, the applicant will immediately cease construction in that area and notify the Recipient (if applicable) and FEMA. Should any unanticipated effects to previously identified historic properties, including archaeological resources, be identified during construction activities, the applicant will immediately cease construction in that area and notify the Recipient (if applicable) and FEMA.

EHP Additional Info

There is no additional environmental historical preservation on **FAASt [Pole and Conductor Repair -Caguas Group 3 Phase 2] (Distribution)** .

Final Reviews

Final Review

Reviewed By LEFRANC-GARCIA, CARLOS L. **Reviewed On** 08/11/2026 1:39 PM PDT

Review Comments

[735474] FAASt [Pole and Conductor Repair -Caguas Group 3 Phase 2] (Distribution) facilities included in this project are: poles and structures (including their foundations), framing and insulators, load break switches (manual and automated), capacitor banks, voltage regulators, transformers (including lightning arresters and fuse cut-outs), conductors, guy wires, anchoring, grounding assemblies, underground cable, underground cable systems, fault interrupting equipment (fuses, reclosers, and sectionalizers), and any other associated components. V 1 of this project includes a change request of \$3,136,273.80 total federal share of 15,490,723.70. Reviewed, found eligible and reasonable. Subrecipient and its agents are responsible for complying with all applicable grant and subgrant conditions, including any Federal, State and Local requirements. CLG 08/11/26.

Recipient Review

Reviewed By Mulero, Noel **Reviewed On** 08/18/2026 8:52 PM PDT

Review Comments

Recipient review completed. Since this version include both 406 HMP and 428 PA costs, one with positive amount and the other negative, we'll process first the positive funds and in a later version we'll de-obligate the negative portion. This project does not apply to the Department of Energy's executive order. This means that FEMA is the lead agency for environmental matters. Project is ready for applicant review.

Project Signatures

Reviewed By Unsigned **Reviewed On** Unsigned

Fixed Cost Offer

As a Public Assistance (PA) Subrecipient PR Electric Power Authority (000-UA2QU-00), in accordance with Section 428 of the Robert T. Stafford Disaster Relief and Emergency Assistance Act, the Applicant agrees to accept a permanent work subaward based on a Fixed Cost Offer in the amount of \$17,211,915.22 for subaward number 107918 under Disaster # 4339. The Applicant accepts responsibility for all costs above the Fixed Cost Offer.

The Applicant understands that by participating in this pilot program they will be reimbursed for allowable costs in accordance with 2 CFR Part 200, and the reimbursement will not exceed the Fixed Cost Offer. The Applicant also understands that by agreeing to this Fixed Cost Offer, they will not receive additional funding related to the facilities or sites included in the subaward. The Applicant also acknowledges that failure to comply with the requirements of applicable laws and regulations governing assistance provided by FEMA and the PA Alternative Procedures Pilot Program Guidance (such as procurement and contracting; environmental and historic preservation compliance; and audit and financial accountability) may lead to loss of federal funding.

Award Information

EMMIE Imported Version Information

Version #	Eligibility Status	Current Location	Bundle Number	Project Amount	Cost Share	Federal Share Obligated	Date Obligated
No Records							

Drawdown History

EMMIE Drawdown Status As of Date	IFMIS Obligation #	Expenditure Number	Expended Date	Expended Amount
6/11/2026	4339DRPRP01079181	201741A0-06102026	6/9/2026	\$3,805,979.81

Obligation History

Version #	Date Obligated	Obligated Cost	Cost Share	IFMIS Status	IFMIS Obligation #
0	9/17/2025	\$12,668,077.28	90%	Accepted	4339DRPRP01079181
1	8/24/2026	\$2,822,646.42	90%	Accepted	4339DRPRP01079181

**Department of Homeland Security
Federal Emergency Management Agency**

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General Info

Project #	750692	PW #	107979	Project Type	Specialized
Project Category	F - Utilities	Applicant		Applicant	PR Electric Power Authority (000-UA2QU-00)
Project Title	FAASt * [Pole and Conductor Repair - Mayaguez Group 3 - Phase 2] (Distribution)			Event	4339DR-PR (4339DR)
Project Size	Large	Declaration Date		Declaration Date	9/20/2017
Activity Completion Date	9/20/2027	Incident Start Date		Incident Start Date	9/17/2017
Process Step	Obligated	Incident End Date		Incident End Date	11/15/2017

Damage Description and Dimensions

The Disaster # 4339DR, which occurred between **09/17/2017** and **11/15/2017**, caused:

Damage #1309792; FAASt [Pole and Conductor Repair - Mayaguez Group 3- Phase 2] (Distribution)

General Facility Information:

- **Facility Type:** Power generation, transmission, and distribution facilities
- **Facility:** Pole and Conductor Repair Mayaguez Group 3 Phase 2
- **Facility Description:** The specific facilities included in this project are: poles and structures (including their foundations), framing and insulators, load break switches (manual and automated), capacitor banks, voltage regulators, transformers (including lightning arresters and fuse cut-outs), conductors, guy wires, anchoring, grounding assemblies, underground cable, underground cable systems, fault interrupting equipment (fuses, reclosers, and sectionalizers), and any other associated components.
- **Approx. Year Built:** 1980
- **GPS Latitude/Longitude:** [REDACTED]

Final Scope

1309792 FAASt [Pole and Conductor Repair - Mayaguez Group 3- Phase 2] (Distribution)

INTRODUCTION

This document is to submit for COR3 and FEMA approval the Detailed Scope of Work (SOW) for project 750692 Distribution Pole and Conductor Repair - Mayagüez Group 3 - Phase 2 under DR-4339-PR Public Assistance. The document provides a detailed project description, including scope, schedule, cost estimates Environmental and Historic Preservation (EHP) requirements. LUMA Energy is seeking approval from COR3 and FEMA for project funding to repair, restore, or replace the eligible facilities.

LUMA submits this Detailed SOW under the Transmission and Distribution Operations & Maintenance Agreement between the Puerto Rico Electric Power Authority (PREPA), the Puerto Rico Public-Private Partnerships Authority (P3A), and LUMA Energy, and in accordance with the Consent to Federal Funding Letter issued by PREPA and P3A, which collectively provides the necessary consent for LUMA Energy, as an agent of PREPA, to undertake work in connection with any Federal Funding requests related to the T&D System submitted to FEMA.

FACILITIES

Facilities Description

The interconnected and inter-functional distribution feeders (sites) that are the object of this scope of work are part of the electrical distribution system in the Mayagüez Region. All the feeders originate from a substation (start) and serve customers along the route to various locations (end). The coordinates shown below as "GPS End" represent the end of each feeder's mainline backbone.

Facilities List

The table below describes seven distribution feeders being replaced as part of the project. The table identifies the GPS location of the line segments, the voltage level, and an indication of the extent of work by identifying the number of poles to be replaced.

Name	Feeder Number	Number Of Poles to be Replaced	GPS Start	GPS End[KGF1]	Phase	Voltage Level (kV)	Construction Date
SAN GERMAN, SUB. 6406	6406-02	24			1 Phase	13.2	More than 20 years
LAJAS, SUB. 6601	6601-03[LG2]	138			1 Phase	7.2	More than 20 years
LA PARGUERA, SUB. 6603	6603-01	53			1 Phase	13.2	15 years
CABO ROJO, SUB. 6703	6703-01	67			1 Phase	7.2	More than 20 years
COMBATE, SUB. 6704	6704-02[LG3]	122			1 Phase	13.2	More than 20 years
COMBATE, SUB. 6704	6704-03	121			1 Phase	13.2	More than 20 years
PUERTO REAL, SUB. 6705	6705-01	33			1 Phase	7.2	More than 20 years

PROJECT SCOPE OF WORK

The project's scope is the replacement of poles and the repair of conductors for specific feeders in the Mayagüez region to be performed under the "Proposed 428 Public Assistance Scope of Work". Each work type specific to said scope of work for this group is included below.

The proposed restoration includes the replacement of eligible disaster damage up to required codes and standards and the request to upgrade undamaged infrastructure to fully effectuate the restoration of disaster-damaged components and restore the system's function to an approved industry standard. The Scope of Work consists of the removal and replacement of the following infrastructure to restore this facility to codes and standards.

A. Proposed 428 Public Assistance Scope of Work

Feeder 6406-02 Scope:

Remove	Quantity	Install	Quantity
35' WOOD	11	45FT S5.7 GALV STEEL	11
40' WOOD	3	45FT S5.7 GALV STEEL	3
35' WOOD	7	50FT S8 GALV STEEL	7

40' WOOD	3	50FT S8 GALV STEEL [M81] [Y02]	3
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Feeder 6601-03 Scope:

Remove	Quantity	Install	Quantity
30' WOOD	4	45FT S5.7 GALV STEEL	4
35' WOOD	109	45FT S5.7 GALV STEEL	109
40' WOOD	15	45FT S5.7 GALV STEEL	15
40' CONCRETE	1	45FT S5.7 GALV STEEL	1
45' WOOD	3	45FT S5.7 GALV STEEL	3
35' WOOD	4	50FT S8 GALV STEEL	4
40' WOOD	2	50FT S8 GALV STEEL	2

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Feeder 6603-01 Scope:

Remove	Quantity	Install	Quantity
35' WOOD	39	45FT S5.7 GALV STEEL	39
40' WOOD	10	45FT S5.7 GALV STEEL	10
35' WOOD	4	50FT S8 GALV STEEL	4

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Feeder 6703-01 Scope:

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Remove	Quantity	Install	Quantity
30' WOOD	2	45FT S5.7 GALV STEEL	2
35' WOOD	31	45FT S5.7 GALV STEEL	31
40' WOOD	30	45FT S5.7 GALV STEEL	30
35' CONCRETE	1	45FT S5.7 GALV STEEL	1
35' WOOD	2	50FT S8 GALV STEEL	2

40' WOOD	1	50FT S8 GALV STEEL	1
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Feeder 6704-02 Scope:

Remove	Quantity	Install	Quantity
30' WOOD	7	45FT S5.7 GALV STEEL	7
35' WOOD	60	45FT S5.7 GALV STEEL	60
40' STEEL	1	45FT S5.7 GALV STEEL	1
40' WOOD	42	45FT S5.7 GALV STEEL	42
45' WOOD	2	45FT S5.7 GALV STEEL	2
35' WOOD	4	50FT S8 GALV STEEL	4
40' WOOD	6	50FT S8 GALV STEEL	6

Feeder 6704-03 Scope:

Remove	Quantity	Install	Quantity
30' WOOD	1	45FT S5.7 GALV STEEL	1
35' WOOD	51	45FT S5.7 GALV STEEL	51
40' WOOD	55	45FT S5.7 GALV STEEL	55
40' CONCRETE	13	45FT S5.7 GALV STEEL	13
40' WOOD	1	50FT S8 GALV STEEL	1

Feeder 6705-01 Scope:

Remove	Quantity	Install	Quantity
35' WOOD	21	45FT S5.7 GALV STEEL	21
40' WOOD	9	45FT S5.7 GALV STEEL	9

45' WOOD	1	45FT S5.7 GALV STEEL	1
35' WOOD	1	50FT S8 GALV STEEL	1
40' WOOD	1	50FT S8 GALV STEEL	1

B. Scope Notes

The work includes the following actions:

A. Pole Replacement

1. Remove existing poles, including hardware, and install new poles, including hardware, in the exact location. If the replacement cannot be installed in the precise location, the pole will be installed within 3 feet.
2. All new poles will be installed in the existing locations. No new locations are included in this scope of work. For the depths of the poles to be installed, refer to APPENDIX C – Project Considerations, column C (Soil area and depth impact).
3. The existing foundation will be removed and replaced with a new concrete foundation base as per the Distribution Construction Standards (Concrete Base Standard). The maximum auger width to be used is 42" and the maximum depth to be drilled is 15 feet. Refer to APPENDIX C – Project Considerations, column I (Concrete Foundation), for specific locations where this work applies.
4. New guy wire/anchors are to be installed within 3 feet of the existing anchor in compliance with the LUMA Overhead Electrical Distribution System Manual. The maximum distance an anchor will be installed for a 50-foot pole is 25 feet from the base of the pole, within the right-of-way.
5. Vegetation clearance will be performed solely to the extent that it allows crews to conduct work and will be limited to 10 feet radius surrounding the surface of the pole but not to exceed the width of the right-of-way for the exclusive purpose of gaining access to the pole to conduct repairs. The costs related to Vegetation clearance procedures are in project [727562] FAAS [Region 5 -Mayaguez Group C] (Vegetation). The vegetation removal process will be managed according to federal and state regulations.
6. All work for this program will be performed within the current electrical right-of-way.

B. Material Disposal:

1. PCBs, oil from the transformer and breakers, sealants, and chemical wastes typical of a construction site are considered hazardous waste and will be disposed of by the contractor in authorized facilities per applicable federal and state regulations. Refer to the Waste Management Plan in the applicant profile.
2. Debris to be removed includes luminaires, polearms, photocells, metal scrap, wiring, concrete, steel, and wood poles. The debris will be separated and taken to an authorized waste disposal facility per applicable federal, state, and local regulations. Refer to the Waste Management Plan in the applicant profile.

3. Transformers will be contained and returned to LUMA in compliance with applicable federal, state, and local regulations. Removing the transformer will require testing the existing oil for PCB levels. The oil will be drained and delivered to the authorized waste disposal site per environmental regulations. Refer to the Waste Management Plan in the applicant profile.

C. Access Roads:

1. Poles are close to the roads and are site-accessible with existing access points at the established locations. The construction of access roads is not required for this scope of work. Refer to APPENDIX C – Project Considerations in column G, “Site Accessible.”

D. Staging Area:

1. All materials are stored and dispatched from the Mayagüez Regional Warehouse located at coordinates [REDACTED]. Refer to Warehouse locations in the applicant profile. No additional or temporary staging areas are required.

E. Fill, Gravel, Sand, etc.

1. Fill, gravel, and sand materials will be obtained from an approved supplier as referenced in the LUMA Vendor Directory List in the applicant profile. LUMA will retain and make available for review the documentation provided by material suppliers.

F. List of Equipment to be used:

1. Skid Steer, Excavator, Dump trucks, Manlifts, 120-ton Motor Crane, Boom Trucks, 45-ton Crane, Zoom Boom, Air compressor, Truck Digger, Water truck, Pump Truck, Concrete Vibrator, Oil Tanker, Filtering Machine, and Flatbed platform.

2. Vegetation will be brushed utilizing machete, chainsaw, electric pruner, telescopic pole pruner, bucket truck, and/or chipper.

G. Specific List of Permits Required:

1. DTOP Endorsements and Municipality Notifications.

2. Excavation and Demolition Notification in the Department of Transportation and Public Works Agency - (DTOP).

C. Proposed 406 Hazard Mitigation Grant Program Scope of Work

406 Hazard Mitigation Proposal

This version of the project will be fully funded using PA 428 funds. A future version of this project may contain PA 406 HM measures.

PROJECT COST ESTIMATE

The estimated costs (compliant with Class 3 Accuracy +/-30%) to complete the project are captured in the table(s) below. The cost estimate was developed utilizing preliminary Architectural and Engineering design information and may be subject to change. LUMA has allocated 10% of the project cost to mitigate known risks. For more details, refer to APPENDIX B – Detailed Cost Estimate.

COST ESTIMATE			
Cost Element	428	406	PROJECT TOTAL
PLANNING	\$1,303,262	\$-	\$1,303,262
MANAGEMENT	\$496,481	\$-	\$496,481

Mayaguez Group 3 - Phase 2	\$15,430,664	\$-	\$15,430,664
COST TOTALS	\$17,230,407	\$-	\$17,230,407
DEDUCTIONS	TOTAL INSURANCE PROCEEDS RECEIVED		
FAAST ALLOCATIONS	FAAST PROJECT #750692 TOTAL:		\$12,921,047
FAAST A&E # 335168 TOTAL	\$1,799,743	\$-	\$1,799,743
FAAST E&M #673691 TOTAL	\$2,509,617.00	\$-	\$2,509,617

Work To Be completed: \$17,230,407.00

A&E Deduction (Global A&E FAASt# 335168): \$1,799,743.00

E&M Deduction (FAAST# 673691): \$2,509,617.00

Project Total Cost (FAAST Project# 805521): \$12,921,047.00

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Project Cost Estimate Notes:

1. A&E cost included in this project will be reduced from this project and obligated under the FAASt Project #335168, A&E, as show in in the table above. The A&E project was obligated to track and account for costs associated with individual FAASt projects.
2. Equipment and material costs included in this project will be reduced from this project and obligated under FAASt Project #673691, Equipment and Materials, as shown in the table above. Only the base cost of equipment and/or material will be reduced from this project (not labor). All costs associated with Planning, Management, General Conditions, and Contingencies will remain in this project.

Project Notes:

1. Refer to detailed SOW provided in document 750692-DR4339PR-Detailed SOW Mayaguez Group.
2. For reference documents Appendix A thru C, see file labeled:

APPENDIX A - Structure Coordinates

APPENDIX B - Detail Cost Estimate

APPENDIX C - Project Considerations

406 HMP Scope

406 Hazard Mitigation measures were not requested by the Subrecipient for this project in Version 0. However, the mitigation opportunities will be applied in a future version (V1) of the Permanent Work Project. The project is ready for insurance completion

Cost

Code	Quantity	Unit	Total Cost	Section
9001	1	Lump Sum	\$17,230,407.00	Uncompleted
9001	1	Lump Sum	(\$2,509,617.00)	Uncompleted
3510	1	Lump Sum	(\$1,799,743.00)	Uncompleted
9201	1	Lump Sum	\$0.00	Completed

CRC Gross Cost	\$12,921,047.00
Total 406 HMP Cost	\$0.00
Total Insurance Reductions	\$0.00

CRC Net Cost	\$12,921,047.00
Federal Share (90.00%)	\$11,628,942.30
Non-Federal Share (10.00%)	\$1,292,104.70

Subgrant Conditions

- As described in Title 2 Code of Federal Regulations (C.F.R.) § 200.333, financial records, supporting documents, statistical records and all other non-Federal entity records pertinent to a Federal award must be retained for a period of three (3) years from the date of submission of the final expenditure report or, for Federal awards that are renewed quarterly or annually, from the date of the submission of the quarterly or annual financial report, respectively, as reported to the Federal awarding agency or pass-through entity in the case of a subrecipient. Federal awarding agencies and pass-through entities must not impose any other record retention requirements upon non-Federal entities. Exceptions are stated in 2 C.F.R. §200.333(a) – (f)(1) and (2). All records relative to this project are subject to examination and audit by the State, FEMA and the Comptroller General of the United States and must reflect work related to disaster-specific costs.
- The terms of the FEMA-State Agreement are incorporated by reference into this project under the Public Assistance award and the applicant must comply with all applicable laws, regulations, policy, and guidance. This includes, among others, the Robert T. Stafford Disaster Relief and Emergency Assistance Act; Title 44 of the Code of Federal Regulations; FEMA Policy No. 104-009-2, Public Assistance Program and Policy Guide; and other applicable FEMA policy and guidance.
- The DHS Standard Terms and Conditions in effect as of the declaration date of this emergency declarations or major disaster, as applicable, are incorporated by reference into this project under the Public Assistance grant, which flow down from the Recipient to subrecipients unless a particular term or condition indicates otherwise.
- The Uniform Administrative Requirements, Cost Principles, and Audit Requirements set forth at Title 2 Code of Federal Regulations (C.F.R.) Part 200 apply to this project award under the Public Assistance grant, which flow down from the Recipient to all subrecipients unless a particular section of 2 C.F.R. Part 200, the FEMA-State Agreement, or the terms and conditions of this project award indicate otherwise. See 2 C.F.R. §§ 200.101 and 110.
- The subrecipient must submit a written request through the Recipient to FEMA before it makes a change to the approved scope of work in this project. If the subrecipient commences work associated with a change before FEMA approves the change, it will jeopardize financial assistance for this project. See FEMA Policy No. 104-009-2, Public Assistance Program and Policy Guide.
- When any individual item of equipment purchased with PA funding is no longer needed, or a residual inventory of unused supplies exceeding \$5,000 remains, the subrecipient must follow the disposition requirements in Title 2 Code of Federal Regulations (C.F.R.) § 200.313-314.
- Pursuant to section 312 of the Stafford Act, 42 U.S.C. 5155, FEMA is prohibited from providing financial assistance to any entity that receives assistance from another program, insurance, or any other source for the same work. The subrecipient agrees to repay all duplicated assistance to FEMA if they receive assistance for the same work from another Federal agency, insurance, or any other source. If an subrecipient receives funding from another federal program for the same purpose, it must notify FEMA through the Recipient and return any duplicated funding.
- In the seeking of proposals and letting of contracts for eligible work, the Applicant/Subrecipient must comply with its Local, State (provided that the procurements conform to applicable Federal law) and Federal procurement laws, regulations, and procedures as required by FEMA Policy 2 CFR Part 200, Procurement Standards, §§ 317-326.
- The Recipient must submit its certification of the subrecipient's completion of this project, the final claim for payment, and supporting documentation within 180 days from the date that the applicant completes the scope of work, or the project deadline, whichever occurs first. FEMA reimburses Large Projects (those with costs above the large project threshold) based on the actual eligible final project costs. Therefore, during the final project reconciliation (closeout), the project may be amended to reflect the reconciliation of actual eligible costs.
- The Subrecipient provided the estimate for this PW. FEMA validated the estimate and found it to be reasonable for the work to be performed.

Insurance

Additional Information

7/29/2026

No adjustments to be made to the previous insurance coverage determination, no revisions to narrative needed, updated applicant tracker if needed, providing administrative function and forwarding project for completion.

Charlotte De Jesus Negron, PA Insurance Specialist
CRC Atlantic, Guaynabo P.R.

4/30/2025

Does the Applicant have a Commercial Policy: Yes.

Does the Applicant's Commercial Policy extend coverage for the damage described in this project: No.

Property insurance coverage for the electrical distribution facilities represented on this project are not insured or insurable. No insurance relief is anticipated. No Obtain and Maintain requirement will be made.

FEMA requires the applicant to take reasonable efforts to pursue claims to recover insurance proceeds that it is entitled to receive from its insurer(s). In the event that any insurance proceeds are received for these expenses those proceeds must be reduced from FEMA Public Assistance funding to ensure no duplication of benefits has occurred.

No duplication of benefits from insurance is anticipated for work described in this application. In the event any part or all costs are paid by an insurance policy, a duplication of benefits from insurance will occur. Applicant must notify grantee and FEMA of such recoveries and the Sub-Grant award amount must be reduced by actual insurance proceeds.

No insurance requirements will be required for this project. Insurance requirements are specific to permanent work to replace, restore, repair, reconstruct, or construct buildings, contents, equipment, or vehicles. (FEMA Recovery Policy FP 206-086-1).

No insurance narrative will be produced or uploaded into documents or attachments.

Jean-Carlo Echevarria, PA Insurance Specialist, CRC Atlantic, Guaynabo, PR

O&M Requirements

There are no Obtain and Maintain Requirements on **FAASt * [Pole and Conductor Repair - Mayaguez Group 3 - Phase 2] (Distribution)**.

406 Mitigation

There is no additional mitigation information on **FAASt * [Pole and Conductor Repair - Mayaguez Group 3 - Phase 2] (Distribution)**.

Environmental Historical Preservation

Is this project compliant with EHP laws, regulations, and executive orders?

Yes

EHP Conditions

- Any change to the approved scope of work will require re-evaluation for compliance with NEPA and other Laws and Executive Orders.
- This review does not address all federal, state and local requirements. Acceptance of federal funding requires recipient to comply with all federal, state and local laws. Failure to obtain all appropriate federal, state and local environmental permits and clearances may jeopardize funding.
- If ground disturbing activities occur during construction, applicant will monitor ground disturbance and if any potential archaeological resources are discovered, will immediately cease construction in that area and notify the State and FEMA.
- a. The Subrecipient and/or Subrecipient's contractor must follow the Low Impact Debris Removal Stipulations (LIDRS) outlined in Appendix E of the Project-Specific Programmatic Agreement Among FEMA, the SHPO, ACHP, COR3, and PREPA(PSPA), executed on August 2, 2022.
- b. Pursuant to Stipulation III.B of the PSPA, if, in the course of implementing this Individual Undertaking(s), previously unidentified structures, sites, buildings, objects, districts, or archaeological deposits, that may be eligible for listing in the National Register, or human remains are uncovered, or if it appears that an Individual Undertaking has affected or will affect a previously identified historic property in an unanticipated manner, the contractor must notify Subrecipient who will immediately notify the Recipient. Work must stop in the vicinity of the discovery and measures must be taken to protect the discovery and avoid additional harm.
- c. Additional staging areas and/or work pads within work site area haven't been identified yet. The Recipient/Subrecipient and/or private

operator must provide the information of any additional staging areas or work pads for EHP evaluation as soon as available specially if any construction activity will be necessary to prepare the site(s). Information for staging areas and/or work pads confined to hardened surfaces can be provided at closeout.

- d. All borrow or fill material must come from pre-existing stockpiles, material reclaimed from maintained roadside ditches (provided the designed width or depth of the ditch is not increased), or commercially procured material from a source existing prior to the event. For any FEMA-funded project requiring the use of a non-commercial source or a commercial source that was not permitted to operate prior to the event (e.g., a new pit, agricultural fields, road ROWs, etc.) in whole or in part, regardless of cost, the Applicant must notify FEMA and the Recipient prior to extracting material. FEMA must review the source for compliance with all applicable federal environmental planning and historic preservation laws and executive orders prior to a Sub-recipient or their contractor beginning borrow extraction. Consultation and regulatory permitting may be required. Non-compliance with this requirement may jeopardize receipt of federal funding. Documentation of borrow sources utilized is required at close-out and must include fill type (private, commercial, etc.), name, fill site GPS coordinates (not of the company/governmental office), address, and type of material.
- Conservation Measures for *Cordia alliodora*, *Aristida chrysophylla*, and *Stahlia monosperma* (Feeders 6406-02, 6704-02, 6704-03, 6705-01): 1. Before initiating any work within the range of listed plant species and in areas with suitable habitat, applicants must conduct plant surveys. In the event that listed species are discovered at the project site, the Service must be notified. The Applicant must develop conservation measures to minimize or avoid impacts on those species and share those measures with the Service for evaluation and approval. If no listed plants are found during surveys, no further action is required. However, if a listed plant species is found while the project is being conducted, project personnel shall stop work, and the Service should be contacted for further technical assistance. Service's point of contacts: - Jose Cruz-Burgos, Endangered Species Program Coordinator, Mobile: 305-304-1386, Office: 786-244-0081, jose_cruz-burgos@fws.gov. - Omar Monsegur, Fish and Wildlife Biologist, Mobile: (305) 304-0292, omar_monsegur@fws.gov.
- Conservation Measures for *Atlantea tulita* (Feeder 6406-02): 1. The contractor must inform all personnel about the potential presence of the Puerto Rican harlequin butterfly and its host plant, prickly bush (*Oplonia spinosa*), in the project areas. A pre-work meeting should inform all project personnel about the need to avoid harming this butterfly and its occupied host plant. All personnel will be advised that there are civil and criminal penalties for harming, harassing, or killing species protected under the Endangered Species Act of 1973, as amended. Educational material (e.g., posters, flyers, or signs with photos or illustrations of all the life stages of the Puerto Rican harlequin butterfly (i.e., eggs, caterpillar, chrysalids, and adult, and its host plant) should be prepared and available to all personnel for reference. 2. Before starting any project activity, including removal of vegetation and earth movement, the contractor must clearly delineate the boundaries of the working area in the field to avoid unnecessary habitat impacts. Once the project areas are clearly marked, and before any work activity, including site preparation, personnel with knowledge and ability to identify the Puerto Rican harlequin butterfly (all life stages) and the prickly bush must survey the areas where the work will be performed for the presence of the species and its host plant. It is important to note that the Puerto Rican harlequin butterfly can be observed year-round in all life stages; thus, oviposition (egg-laying) may occur at any time during the year. 3. If the prickly bush is present on the project site, try to avoid cutting the plant, even if no eggs, caterpillars, or chrysalids are present. 4. If there is no prickly bush within the project area, but the butterfly is observed flying within the project area, do not harass, harm, pursue, wound, kill, trap, capture, collect, or attempt to engage in any such conduct, the species.
- Continuation of Conservation Measures for *Atlantea tulita* (Feeder 6406-02): 5. Adult butterflies are often observed flying near the host plant as part of their mating behavior and for laying eggs. Project-related activities must stop if the prickly bush is found in the project area and the Puerto Rican harlequin butterfly is observed flying in that same area. A temporary 50-meter (164 feet) buffer zone of no activity or human disturbance should be established and clearly marked around that prickly bush until the butterfly moves out on its own. 6. Once the Puerto Rican harlequin butterfly has moved away, within a period of 24 to 36 hours, a search of the prickly bush that has been buffered should be conducted to determine the presence of any eggs, caterpillars, or chrysalids of the butterfly on the plant. The contractor or the Applicant should send a report of the observation and its findings to caribbean_es@fws.gov after the 36-hour search is concluded. 7. If, after the initial search or after the 24 to 36-hour search, any life stage of the Puerto Rican harlequin butterfly is found in the prickly bush, take the following actions: -Clearly mark the host plant with flagging tape. -Establish a 10-meter (32-foot) buffer zone around the bush for its protection. -Eggs are typically found on the prickly bush's newly grown, tender branches. Once the egg hatch, the caterpillar moves and feeds throughout the bush. Therefore, avoid cutting off the prickly bush within the project site even if no eggs, caterpillars, or chrysalids are present. Work within the 10-meter buffered area may resume when no signs of any live life stage of the butterfly are detected, which usually takes approximately 60 to 120 days. 8. For all Puerto Rican harlequin butterfly sightings (all life stages), the time and date of the sighting and the specific location where the butterfly was found must be recorded. Data should also include a photo of the butterfly (if possible) and the habitat where it was observed, site GPS coordinates, and comments on how the butterfly was detected and its behavior. All Puerto Rican harlequin butterfly sighting reports should be sent to the Service's Caribbean Ecological Service Field Office at caribbean_es@fws.gov. 9. For questions regarding the Puerto Rican harlequin butterfly, the Point of Contacts are: -Jose Cruz-Burgos, Endangered Species Coordinator: Mobile: 305-304-1386 Office phone: 786-244-0081 Office Direct Line: 939-320-3120 Email: jose_cruz-burgos@fws.gov -Carlos Pacheco, Fish and Wildlife Biologist Mobile: 786-847-5951 Office Direct Line: 939-320-3113 Email: carlos_pacheco@fws.gov
- Conservation Measures for *Agelaius xanthomus*, *Accipiter striatus venator*, *Amazona vittata*, *Buteo platypterus brunneus*, *Caprimulgus noctitherus* (Feeders 6406-02, 6601-03, 6603-01, 6703-01, 6704-02, 6704-03): 1. All personnel will be advised that there are civil and criminal penalties for harming, harassing, or killing species protected under the Endangered Species Act of 1973, as amended. During breeding seasons (see below), nest surveys shall be conducted if a project occurs within the range of any of the species listed above and if habitat for those species will be impacted by the proposed actions. Nest searches must be conducted by qualified personnel with the appropriate permits from the Puerto Rico Department of Natural and Environmental Resources (PRDNER) prior to start of work. If nesting activity is detected, all construction activities or human disturbance must be avoided within a 50-meter buffer around any nest(s) found within the project area. This avoidance strategy must be kept until fledglings successfully leave the nest(s) permanently. Outside the breeding season no nest surveys are required, but if a nest is encountered, all construction activities or human disturbance must be avoided within a 50-meter buffer around that nest(s). This avoidance strategy must be kept until fledglings successfully leave the nest(s) permanently. Furthermore, if any of the species indicated above is observed (e.g., foraging, resting) within the project area, avoid any disturbance to the individual(s) and do not flush the bird until it leaves on its own. Nesting seasons: - Puerto Rican parrot: February-June. - Puerto Rican plain pigeon: April-September. - Puerto Rican broad-winged hawk: December-June. - Puerto Rican sharp-shinned hawk:

December-June. - Puerto Rican nightjar: February-August. - Elfín-woods warbler: March-June. - Yellow-shouldered blackbird: February-November. For all nest sightings, the Applicant must record the time and date of the sighting and the specific location where it was found. All sightings and incidental lethal take reports should be sent to the USFWS Caribbean Ecological Services Field Office at Caribbean_es@fws.gov. For questions, the Point of Contact (POC) is Jose Cruz-Burgos, Endangered Species Program Coordinator, and can be contacted at: Mobile: 305-304-1386 Office phone: 786-244-0081 Office Direct Line: 939-320-3120 Email: jose_cruz-burgos@fws.gov 2. Work conducted within the Yellow-shouldered blackbird Critical Habitat that includes vegetation removal or habitat modification requires consultation with the Service. Road repairs or other actions within the existing footprint do not require consultation.

- Conservation Measures for *Chilabothrus inornatus* (For all feeders): 1. Inform all project personnel about the potential presence of the Puerto Rican (PR) boa and Virgin Islands (VI) boa in areas where the proposed work will be conducted and provide training on PR and VI boa identification. A pre-construction meeting will be conducted to inform all project personnel about the need to avoid harming these species. All personnel will be advised that there are civil and criminal penalties for harming, harassing, or killing species protected under the Endangered Species Act of 1973. An educational poster or sign with photo or illustration of these species will be displayed at the project site. 2. Prior to any construction activity, including removal of vegetation and earth movement, the boundaries of the project area and any area to be excluded and protected will be clearly marked in the project plan and in the field to avoid further habitat degradation outside of the footprint of the project. 3. Once areas are clearly marked, and right before the use of heavy machinery and any construction activity (including removal of vegetation and earth movement), biologist or designated project personnel with experience on these species will survey the areas to be cleared to verify the presence of any PR or VI boa within the Action Area. If a PR or VI boa is found during the search, it should be captured and managed as per #6 below. Once the removal of vegetation begins, the biologist or designated personnel must remain at the work site and be ready to capture any boa that might be in harm's way as the result of the habitat disturbance (see #6). 4. For VI boas, once the Action Area has been searched, vegetation will be cut about one meter above ground prior to the use of heavy machinery for land clearing. Cutting vegetation by hand will allow VI boas present on site to move away on their own to adjacent available habitat. If there is no suitable habitat adjacent to the project site, any VI boa found will be relocated accordingly (see #6).
- Continuation of Conservation Measures for *Chilabothrus inornatus* (For all feeders): 5. For all boa sightings (dead or alive), record the time and date of the sighting and the specific location where it was found. Data will also include a photo of the animal (dead or alive), relocation site GPS coordinates, time and date of the relocation, and comments on how the animal was detected and its behavior. 6. If any PR or VI boa (dead or alive) is found within the Action Area and on harm's way, the action will stop, and information will be recorded (see #5). All attempts will be made to immediately safely capture and relocate the animal within suitable habitat (forested) at least 1 km from the Action Area and away from construction areas. PR boa relocation sites will be pre-determined before the project starts and sites shared with the Service for revision and concurrence. Relocation of PR boas will be conducted by trained, designated personnel ensuring the animal is not harmed or injured during the capture and relocation process. 7. Measures will be taken to avoid and minimize PR boa and VI boa casualties by heavy machinery or motor vehicles being left in the Action Area. - Any heavy machinery left on site (staging areas) or near potential PR or VI boa habitat will be thoroughly inspected each morning before work starts to ensure that no boas have sheltered within engine compartments or other areas of the heavy machinery. If a PR boa or VI boa is found within vehicles or heavy machinery, boas will be safely captured accordingly. If not possible, the animal will be left alone until it leaves the vehicle or machine by itself. - The PR boa and VI boa may seek shelter within debris piles. Measures should be taken to avoid and minimize boa casualties associated with sheltering in new debris piles as a result of project activities. New debris piles should be placed in areas as far as possible from forested areas. Prior to moving, disposing, or shredding, debris piles should be carefully inspected for the presence of PR boas and VI boas. If debris piles will be left on site, we recommend they be placed in an undisturbed area. - In the event a PR boa and VI boa is found dead within the project area, the Federal Agency and the Recipient must contact the Service to appropriately dispose the animal. - If a PR boa or a VI boa is accidentally injured or killed during capture and relocation activities during the Action, the Federal Agency and the Recipient shall terminate the authorized activities and contact the Service within 24 hours to reinstate consultation. The Federal Agency will consult with the Service to determine whether authorized activities should continue as proposed and whether modifications are warranted. - Should the forms of take reach the amount of exempted take during the Action, the Federal Agency and the Recipient shall terminate the authorized activities and contact the Service within 24 hours to reinstate consultation. The Federal Agency will consult with the Service to determine whether authorized activities should continue as proposed and whether modifications are warranted. For questions and to submit reports, the Service's Point of Contact (POC) is Jose Cruz-Burgos, Endangered Species Coordinator, and can be contacted at: Mobile: 305-304-1386 Office phone: 786-244-0081 Office Direct Line: 939-320-3120 Email: Caribbean_es@fws.gov or jose_cruz-burgos@fws.gov
- The Applicant must provide documentation at close-out that proves completion of required Conservation Measures.
- The Applicant shall handle, manage, and dispose of all types of hazardous waste in accordance with requirements of local, state, and federal laws, regulations, and ordinances. In addition, the Applicant shall ensure that all debris is separated and disposed of in a manner consistent with the PR DNER guidelines at a permitted site or landfill. The contractor/applicant will be responsible for the proper disposition of construction debris in authorized landfills providing the name, location, coordinates and permits of the facility to the corresponding authorities. The applicant is responsible to ensure damaged transformers are handled, managed, and disposed of in accordance with all federal and state laws and requirements. Downed electrical equipment may contain toxic and hazardous materials, such as polychlorinated biphenyls (PCBs), and may spill these materials if a rupture occurs. Applicant is responsible for screening transformers that do or may contain PCBs and the area where any related spill occurred. The applicant is then responsible to handle, manage, dispose of, or recycle damaged equipment and contaminated soil as appropriate. Where possible, temporary measures should be implemented to prevent, treat, or contain further releases or mitigate the migration of PCBs into the environment. If damaged equipment or material storage containers must be stored temporarily, containers should be placed on hardened surface areas, such as a concrete or an asphalt for no more than 90 days. Excavated contaminated material should be disposed of in accordance with federal and state laws and requirements. Unusable equipment, debris, white goods, scrap metal any other material shall be disposed in approved manner and location. In the event significant items are discovered during the implementation or development of the project the Applicant shall handle, manage, and dispose petroleum products, hazardous materials, and toxic waste in accordance with the requirements of the local and federal agencies. Noncompliance with these requirements may jeopardize receipt of federal funds.
- Applicant must obtain any required permits from the Puerto Rico Permits Management Office (OGPe) prior to initiating work and comply

with any conditions of the permit established by the Planning Board (JP) for constructions in floodplains. All coordination (emails, letters, documented phone calls) pertaining to these activities and compliance must be provided and maintained in the Applicant's permanent files.

- The Applicant shall ensure best management practices are implemented to prevent erosion and sedimentation to surrounding, nearby or adjacent wetlands. To ensure that wetlands are not adversely impacted, per the Clean Water Act and Executive Order 11990, equipment storage and staging of construction materials and machinery must be in a location that would prevent erosion and sedimentation.

EHP Additional Info

There is no additional environmental historical preservation on **FAASt * [Pole and Conductor Repair - Mayaguez Group 3 - Phase 2] (Distribution)**.

Final Reviews

Final Review

Reviewed By LEFRANC-GARCIA, CARLOS L.

Reviewed On 09/12/2025 6:27 PM PDT

Review Comments

Reviewed, found eligible and reasonable. CLG 09/12

Recipient Review

Reviewed By Mulero, Noel

Reviewed On 09/18/2025 1:28 PM PDT

Review Comments

Recipient review completed. Applicant must ensure to compliance with all regulatory requirements, Record of Environmental Consideration (REC) Special Conditions and PA policy. Project is ready for applicant review.

Project Signatures

Reviewed By Unsigned

Reviewed On Unsigned

General Info

Project #	750692	P/W #	107979	Project Type	Specialized
Project Category	F - Utilities	Applicant	PR Electric Power Authority (000-UA2QU-00)		
Project Title	FAAST * [Pole and Conductor Repair - Mayaguez Group 3 - Phase 2] (Distribution)			Event	4339DR-PR (4339DR)
Project Size	Large	Declaration Date	9/20/2017		
Activity Completion Date	9/20/2027	Incident Start Date	9/17/2017		
Process Step	Obligated	Incident End Date	11/15/2017		

Damage Description and Dimensions

The Disaster # 4339DR, which occurred between *09/17/2017* and *11/15/2017*, caused:

Damage #1309792; FAAST [Pole and Conductor Repair - Mayaguez Group 3- Phase 2] (Distribution)

General Facility Information:

- **Facility Type:** Power generation, transmission, and distribution facilities
- **Facility:** Pole and Conductor Repair Mayaguez Group 3 Phase 2
- **Facility Description:** The specific facilities included in this project are: poles and structures (including their foundations), framing and insulators, load break switches (manual and automated), capacitor banks, voltage regulators, transformers (including lightning arresters and fuse cut-outs), conductors, guy wires, anchoring, grounding assemblies, underground cable, underground cable systems, fault interrupting equipment (fuses, reclosers, and sectionalizers), and any other associated components.
- **Approx. Year Built:** 1980
- **GPS Latitude/Longitude:** [REDACTED]

Final Scope

1309792 FAAST [Pole and Conductor Repair - Mayaguez Group 3- Phase 2] (Distribution)

***** VERSION 1 *****

Version 1 has been created to capture change in scope and cost as per Applicant provided documentation. LUMA requests the alignment of the scope and cost of Project 752540 with the mitigation proposal.

Version 0 costs will be fully de-obligated to avoid any duplication of costs. SOW from previous Versions has been removed from current SOW. It can be found in the "Versioning and Amendments" tab in GM.

INTRODUCTION

Pursuant to FEMA's Post-Fixed Cost Estimate Obligation SOP (the "SOP") for FAAST projects, FAAST subrecipients must provide to FEMA recovery project scopes of work ("SOW") for the proposed construction work to be performed. The SOW defines the activities that will be performed using Public Assistance ("PA") funding and includes § 406 hazard mitigation proposals ("HMPs").

C - II. Recipient/Subrecipient Checklist for Submissions as a guide to review completeness." SOP at 4.

This document contains the detailed SOW for FEMA PA Project 750692 -Distribution Pole and Conductor Repair – Mayagüez Group 3 – Phase

2 under DR-4339-PR Public Assistance. The document provides a detailed description of the project, the scope of PA construction activities to be completed, common EHP review information, proposed hazard mitigation measures, and project cost estimates. LUMA is seeking approval from COR3 and FEMA for PA funding for the scope described in this document.

LUMA submits this Detailed SOW pursuant to the Transmission and Distribution Operations and Maintenance Agreement between the Puerto Rico Electric Power Authority ("PREPA"), the Puerto Rico Public-Private Partnerships Authority ("P3A"), and LUMA, and in accordance with the Consent to Federal Funding Letter issued by PREPA and P3A, which collectively provides the necessary consent for LUMA, as agent of PREPA, to undertake work in connection with any Federal Funding requests related to the T&D System submitted to FEMA. References to "Subrecipient" herein refer to PREPA pursuant to this agreement and consent for LUMA to act as its agent with respect to federal funds.

PROJECT DESCRIPTION

The project's scope is the replacement of poles and the repair of conductors for specific feeders in Mayagüez region.

The proposed restoration includes the replacement of eligible disaster damage up to required codes and standards and the request to upgrade undamaged infrastructure to fully effectuate the restoration of disaster-damaged components and restore the system's function to an approved industry standard. The scope of work consists of the removal and replacement of infrastructure to restore this facility to codes and standards.

FACILITIES

FACILITIES LIST – BUILDINGS AND SUBSTATIONS

The interconnected and inter-functional distribution feeders (sites) that are the object of this scope of work are part of the electrical distribution system in the Mayagüez Region. All the feeders originate from a substation (start) and serve customers along the route to various locations (end). The coordinates shown below as "GPS End" represent the end of each feeder's mainline backbone.

Name	Feeder Number	# Of Poles to Replace	GPS Start	GPS End	Phase	Voltage Level (kV)	Constructed Date
SAN GERMAN SUBEST. 6406	6406-02	24			1 Phase	13.2	More than 20 years
LAJAS, SUB. 6601	6601-03	138			1 Phase	7.2	More than 20 years
LA PARGUERA SUBEST. 6603	6603-01	53			1 Phase	13.2	More than 20 years
CABO ROJO SUBEST. 6703	6703-01	67			1 Phase	7.2	More than 20 years
COMBATE SUBEST. 6704	6704-02	122			1 Phase	13.2	More than 20 years
COMBATE SUBEST. 6704	6704-03	121			1 Phase	13.2	More than 20 years
PUERTO REAL SUBEST. 6705	6705-01	33			1 Phase	7.2	More than 20 years

See Appendix A for the coordinates of each structure included in this project.

PROJECT AREA MAP WITH BOUNDARIES OF CONSTRUCTION

Please see the attached map identified as boundaries of construction at Appendix 750692-DR4339PR-Appendix E - Mayagüez Group 3 - Phase 2 - Boundaries of construction. For image see detail: "750692-DR4339PR-Detailed SOW Mayaguez Group 3 - Phase 2 V1-REV4.pdf"

SECTION 428 PROJECT SCOPE OF WORK

The proposed type of work for this project:

 X Standard Project: Restores the facility/facilities to pre-disaster design and function to locally-adopted codes/standards and/or FEMA-approved industry standards.

 Improved Project: Restores the pre-disaster function of the facilities and incorporates improvements or changes to its pre-disaster design not required by codes or standards.

 Subrecipient's request letter included, see **Appendix** ____.

 Recipient's approval letter included, see **Appendix** ____.

 Alternate Project: Does not restore the pre-disaster function of the damage facility. The Subrecipient, through the Recipients, must obtain approval from FEMA.

 Subrecipient's request letter included, see **Appendix** ____.

 Recipient's approval letter included, see **Appendix** ____.

In the obligated submission, LUMA proposed:

- Removal and replacement of five hundred eighty-eight (558) damaged poles.
 - Fourteen (14) of 30 ft Wood poles with 45 ft S5.7 Galvanized steel round tapered and their hardware, anchors and guywires.
 - One (1) of 35 ft Concrete poles with 45 ft S5.7 Galvanized steel round tapered and their hardware, anchors and guywires.
 - Three hundred and twenty-two (322) of 35 ft Wood poles with 45 ft S5.7 Galvanized steel round tapered and their hardware, anchors and guywires.
 - Twenty-two (22) of 35 ft Wood poles with 50 ft S8 Galvanized steel round tapered and their hardware, anchors and guywires.
 - Fourteen (14) of 40 ft Concrete poles with 45 ft S5.7 Galvanized steel round tapered and their hardware, anchors and guywires.
 - One (1) of 40 ft Galvanized steel with 45 ft S5.7 Galvanized steel round tapered and their hardware, anchors and guywires.
 - One hundred sixty four (164) 40 ft Wood poles with 45-foot S5.7 Galvanized steel round tapered and their hardware, anchors, and guywires.
 - Fourteen (14) 40 ft Wood with 50 ft S8 Galvanized steel round tapered and their hardware, anchors, and guywires.

- Five (5) of 45 ft Wood poles with 45 ft S5.7 Galvanized steel round tapered and their hardware, anchors and guywires.
- One (1) 45 ft Wood with 50 ft S8 Galvanized steel round tapered and their hardware, anchors, and guywires.

In this DSOW, LUMA proposes to replace five hundred and eighty-eight (558) poles with this 406-mitigation proposal:

- Five hundred twenty-two (522) poles with a higher-rated pole: 406 mitigation will fund the additional cost for pole strengthening (i.e., 428: remove the existing pole and replace it with a 50FT round galvanized, 406 install a 45 ft S5.7 Galvanized Steel 12-sided pole).
 - 428 to 406:
 - 50 ft Galvanized Steel Round to 45 ft S5.7 Galvanized Steel 12-sided = 522
- Thirty-six (36) Pole replacement with a higher-rated poles: 406 mitigation will fund the additional cost for pole strengthening (i.e., 428: remove the existing pole and replace with a 50FT round galvanized, 406: install 50 ft S8.5 Galvanized Steel 12-sided pole).

o 428 to 406:

- 50 ft Galvanized Steel Round to 50 ft S8.5 Galvanized Steel 12-sided = 36 For more information, refer to the amendment request of this project.

9.1 DESCRIPTION OF PROPOSED WORK TO BE PERFORMED

The Scope of Work entails the removal and replacement of infrastructure necessary to restore the facility in compliance with applicable codes and standards.

Proposed 428 Public Assistance Scope of Work

The work under this project consists of the removal and replacement of 558 poles and includes the following actions:

Feeder 6406-02 Scope:

Remove	Quantity	Proposed 428	
35' WOOD	18	50FT GAL STEEL ROUND POLE	
40' WOOD	6	50FT GAL STEEL ROUND POLE	

Feeder 6601-03 Scope:

Remove	Quantity	Proposed 428	
30' WOOD	4	50FT GAL STEEL ROUND POLE	
35' WOOD	113	50FT GAL STEEL ROUND POLE	
40' WOOD	17	50FT GAL STEEL ROUND POLE	
40' CONCRETE	1	50FT GAL STEEL ROUND POLE	
45' WOOD	3	50FT GAL STEEL ROUND POLE	

Feeder 6603-01 Scope:

Remove	Quantity	Proposed 428	
35' WOOD	43	50FT GAL STEEL ROUND POLE	
40' WOOD	10	50FT GAL STEEL ROUND POLE	

Feeder 6703-01 Scope:

Remove	Quantity	Proposed 428	
30' WOOD	2	50FT GAL STEEL ROUND POLE	
35' WOOD	33	50FT GAL STEEL ROUND POLE	
35' CONCRETE	1	50FT GAL STEEL ROUND POLE	

40' WOOD	31	50FT GAL STEEL ROUND POLE	
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Feeder 6704-02 Scope:

Remove	Quantity	Proposed 428	
30' WOOD	7	50FT GAL STEEL ROUND POLE	
35' WOOD	64	50FT GAL STEEL ROUND POLE	
40' STEEL	1	50FT GAL STEEL ROUND POLE	
40' WOOD	48	50FT GAL STEEL ROUND POLE	
45' WOOD	2	50FT GAL STEEL ROUND POLE	

Feeder 6704-03 Scope:

Remove	Quantity	Proposed 428	Quantity
30' WOOD	1	50FT GAL STEEL ROUND POLE	
35' WOOD	51	50FT GAL STEEL ROUND POLE	
40' WOOD	56	50FT GAL STEEL ROUND POLE	
40' CONCRETE	13	50FT GAL STEEL ROUND POLE	

Feeder 6705-01 Scope:

Remove	Quantity	Proposed 428	Quantity
35' WOOD	22	50FT GAL STEEL ROUND POLE	
40' WOOD	10	50FT GAL STEEL ROUND POLE	
45' WOOD	1	50FT GAL STEEL ROUND POLE	

The pole replacement work includes the following actions:

1. Remove existing poles, including hardware, and install new poles, including hardware, in the exact location. If the replacement cannot be installed in the precise location, the pole will be installed within 3 feet of the existing pole location.
2. The existing foundation will be removed and replaced with a new concrete foundation base as per Distribution Construction Standards (Concrete Base Standard).

2. New guy wire/anchors are to be installed within 3 feet of the existing anchor location in compliance with the LUMA Overhead Electrical Distribution System Manual. The maximum distance an anchor will be installed for a 50-foot pole is 25 feet from the base of the pole, within the easement.

CODES & STANDARDS

The following will be referenced when applying specific codes, specifications, and standards to the project design:

1. Distribution Construction Standards (Concrete Base Standard), available in Grants Portal - Applicant Event Profiles.
2. LUMA Overhead Electrical Distribution System Manual, version 4.0, available in Grants Portal - Applicant Event Profiles.
3. Consensus-based codes, per FEMA's Public Assistance Alternative Procedures (Section 428) Guide for Permanent Work FEMA-4339-DR-PR (Feb. 2020).
4. Industry standards per FEMA Recovery Policy FP-104-009-5, Version 2, Implementing Section 20601 of the 2018 Bipartisan Budget Act through the Public Assistance Program.
5. FEMA Recovery Interim Policy FP-104-009-11 Version 2.1, Consensus-Based Codes, Specifications, and Standards for Public Assistance.
6. LUMA's latest Design Criteria Document (DCD) which aggregates the design considerations of most of the consensus-based codes, specifications, and standards listed in FEMA Recovery Interim Policy 104-009-11 Version 2.1 (Dec. 20, 2019).

SECTION 406 HAZARD MITIGATION PROPOSAL

FEMA PAPPG v.3.1 provides, "Hazard mitigation is any sustained action taken to reduce or eliminate long-term risk to people and property from natural hazards and their effects." Subrecipient proposes to lessen or eliminate long-term risk to people and property from future natural hazards and their effects by replacing the damaged poles with higher rated poles rated to withstand winds of 160mph. Doing so will directly reduce the long-term risk of physical damage to the poles as well as the potential of future, similar negative consequences to people that would result from extended blackouts like those that occurred after Hurricane Maria.

Below is a description of the proposed mitigation opportunity and the proposed scope of work.

PROPOSED § 406 HAZARD MITIGATION SCOPE OF WORK

The Distribution Pole and Conductor Repair in Mayagüez Group 3 will replace damaged poles with higher-rated poles, as referenced in Appendix B—Detailed Cost Estimate, in compliance with Appendix J of the Public Assistance Program and Policy Guide ver. 3.1 (2018). Design standards have increased from FEMA consensus-based standards (145 mph rating) to the new LUMA standard (160 mph rating).

§ 406 SCOPE OF WORK

The work includes the following actions:

Utilize 406 Hazard Mitigation Pole below in place of 428 Identified Pole		C
45ft Galvanized Steel S-5.7 12-sided pole(s)		
50ft Galvanized Steel S8.5 12-sided pole(s)		
	Total	

Feeder 6406-02 Scope:

Proposed 428	Quantity	Proposed 406	C
50FT GAL STEEL ROUND POLE	14	45FT S5.7 GALV STEEL 12-sided pole	
50FT GAL STEEL ROUND POLE	10	50FT S8.5 GALV STEEL 12-SIDED	

Feeder 6601-03 Scope:

Proposed 428	Quantity	Proposed 406	Quar
50FT GAL STEEL ROUND POLE	132	45FT S5.7 GALV STEEL 12-sided pole	13

50FT GAL STEEL ROUND POLE	6	50FT S8.5 GALV STEEL 12-SIDED	
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Feeder 6603-01 Scope:

Proposed 428	Quantity	Proposed 406	Quantity
50FT GAL STEEL ROUND POLE	49	45FT S5.7 GALV STEEL 12-sided pole	
50FT GAL STEEL ROUND POLE	4	50FT S8.5 GALV STEEL 12-SIDED	

Feeder 6703-01 Scope:

Proposed 428	Quantity	Proposed 406	Quantity
50FT GAL STEEL ROUND POLE	64	45FT S5.7 GALV STEEL 12-sided pole	
50FT GAL STEEL ROUND POLE	3	50FT S8.5 GALV STEEL 12-SIDED	

Feeder 6704-02 Scope:

Proposed 428	Quantity	Proposed 406	Quantity
50FT GAL STEEL ROUND POLE	112	45FT S5.7 GALV STEEL 12-sided pole	
50FT GAL STEEL ROUND POLE	10	50FT S8.5 GALV STEEL 12-SIDED	

Feeder 6704-03 Scope:

Proposed 428	Quantity	Proposed 406	Quantity
50FT GAL STEEL ROUND POLE	120	45FT S5.7 GALV STEEL 12-sided pole	1
50FT GAL STEEL ROUND POLE	1	50FT S8.5 GALV STEEL 12-SIDED	

Feeder 6705-01 Scope:

Proposed 428	Quantity	Proposed 406	Quantity
50FT GAL STEEL ROUND POLE	31	45FT S5.7 GALV STEEL 12-sided pole	
50FT GAL STEEL ROUND POLE	2	50FT S8.5 GALV STEEL 12-SIDED	

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COMMON EHP REVIEW INFORMATION

Please check any items applicable to the proposed scope of work in this Project. If an item is checked, provide a description of the scope extent and location of the selected activity.

☒ **Ground disturbance outside of existing footprint.** If checked, provide a description of the ground disturbing activities including the extent, location, and depth of the disturbance.

- Remove existing poles, including hardware, and install new poles, including hardware, in the exact location. If the replacement cannot be installed in the precise location, the pole will be installed within 3 feet.
- All pole installations are to replace existing pole locations; no new locations are included in this scope of work. For the depths of the poles to be installed, refer to APPENDIX C—Project Considerations, column C (Soil area and depth impact).
- The existing foundation will be removed and replaced with a new concrete foundation base as per Distribution Construction Standards (Concrete Base Standard). The maximum auger width to be used is 42" and the maximum depth to be drilled is 15ft. Refer to APPENDIX C – Project Considerations, column I (Concrete Foundation) for specific locations where this work applies.
- New guy wires/anchors are to be installed within 3 feet of the existing anchor in compliance with the LUMA Overhead Electrical Distribution System Manual. The maximum distance an anchor will be installed for a 50-foot pole is 25 feet from the base of the pole, within the easement.

☐ **Soil testing or boring to be performed as part of pre-construction activities.** If checked, provide a description, location, and dimensions of the testing/boring activities.

☐ **Relocation of utilities.** If checked, include a description of the relocation including the type of utility, relocation coordinates, and the extent and depth of associated ground disturbance.

☒ **Vegetative Removal.** If checked, describe the removal work to be performed, its location, and its extent.

- Vegetation clearance will be performed solely to the extent that it allows crews to conduct work and will be limited to a 10-foot radius surrounding the surface of the pole but not to exceed the width of the easement for the exclusive purpose of gaining access to the pole to conduct repairs. The costs related to Vegetation clearance procedures are in project FAAS 727562 [Region 5 Mayaguez Transmission 38kV/Distribution EHP sensitive areas] (Vegetation). The vegetation removal process will be managed according to federal and state regulations.

- Vegetation will be removed utilizing machete, chainsaw, electric pruner, telescopic pole pruner, bucket truck, and/or chipper.

☒ **Demolition.** If checked, include a description of what will be removed and the extent and depth of any ground disturbing activities. Additionally, include a description of (1) demolition debris type (construction debris, white goods, hazardous materials, etc.); (2) GPS location of temporary debris storage sites; (3) final debris disposal location; and (4) final debris disposal method.

- PCBs, oil from the transformer and breakers, sealants, and other chemical waste typical of a construction site are considered hazardous waste and will be disposed of by the contractor in approved facilities.
- Transformers will be contained and returned to LUMA in compliance with applicable regulations. Removing the transformer will require testing the existing oil for PCB levels. Per environmental regulations, the oil will be drained and delivered to the authorized waste disposal site.
- Information on GPS location of temporary debris storage sites, final debris disposal location, and final debris disposal method are not yet available.

☒ **Staging areas, landing area for air transport, and access roads.** If checked, provide GPS location of staging areas, and access roads. Include a description of the extent of any related vegetative removal, ground disturbance, or stabilization measures required (such as gabion walls, retaining walls, paving, etc.).

· All work for this program will be performed within the current electrical easement.

- Poles are close to the roads and are site accessible with existing access points at the established locations. **The construction of access roads is not required for this scope of work.** Refer to APPENDIX C—Project Considerations in column G, "Site Accessible."
- All materials are stored and dispatched from the Mayagüez Regional Warehouse located at Carr. #2 KM 1495 Bo. Cuba, Mayagüez (██████████). Refer to Appendix D – Mayagüez Warehouse.

☒ **Fill material.** If the project includes the use of fill material, provide the source of the fill

material including the provider's name and address (if known).

- Fill, gravel, and sand materials will be obtained from an approved supplier as referenced in the LUMA Vendor Directory List in Grants Portal - Applicant Event Profiles. LUMA will retain and make available for review the documentation provided by material suppliers.

☐ **Work in water including coffer dams, dredging, placement of equipment in water, or other work in wetlands.** If checked, provide a description of the activities to be performed in water or wetlands.

The following items are generally intended for buildings:

☐ **Facility is over 45 years old.** If checked, provide a thorough description of materials to be used and method of repair, including cleaning

methods. If substitute materials will be used in the restoration, specify whether they match the original color, texture, and design of the damaged facility.

___ **Known renovations to the facility.** If checked, provide dates of any previous major renovations to the interior or exterior of the facility.

___ Photos of all sides of the facility are provided.

PROJECT COST ESTIMATE

The estimated costs (compliant with **Class 3 Accuracy +/-30%**) to complete the project are summarized in the table(s) below. The cost estimate(s) was developed utilizing preliminary Architectural and Engineering design information. For a more detailed cost estimate refer to Appendix B - Detailed Cost Estimate.

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COST ESTIMATE			
Cost Element	428	406	PROJECT TOTAL
PLANNING	\$ 1,361,127.54	\$ 40,874.12	\$ 1,402,001.66
(A&E) Permitting and Assessments	\$ 64,815.59	\$ 1,946.39	\$ 66,761.98
(A&E) Environmental Documentation & Management	\$ 288,069.32	\$ 8,650.61	\$ 296,719.93
(A&E) Engineering Services & Design	\$ 1,008,242.63	\$ 30,277.12	\$ 1,038,519.75
MANAGEMENT	\$ 518,524.79	\$ 15,571.09	\$ 534,095.88
(A&E) Design Development Project Management A&E	\$ 17,284.16	\$ 519.04	\$ 17,803.20
(A&E) - Design Lodging & Per Diem A&E	\$ -	\$ -	\$ -
Project Management	\$ 97,943.57	\$ 2,941.21	\$ 100,884.78
Construction Management	\$ 144,034.66	\$ 4,325.30	\$ 148,359.96
Contracting, Procurement & Contract Administration	\$ 172,841.60	\$ 5,190.36	\$ 178,031.96

Projects Controls (Scheduling, Estimating, Support, Cost Control, Risk, Document Control & Reporting)	\$ 86,420.80	\$ 2,595.18	\$ 89,015.98
Mayaguez Group 3 - Phase 2	\$ 16,092,838.47	\$ 483,261.45	\$ 16,576,099.92
material, labor and equipment	\$ 12,517,705.20	\$ 432,530.28	\$ 12,950,235.48
Lodging & Per Diem & Travel	\$ 1,885,761.00	\$ -	\$ 1,885,761.00
Construction Contingency	\$ 1,257,268.29	\$ 37,755.26	\$ 1,295,023.55
Escalation	\$ 432,103.98	\$ 12,975.91	\$ 445,079.89
COST TOTALS	\$ 17,972,490.80	\$ 539,706.66	\$ 18,512,197.46
DEDUCTIONS	TOTAL INSURANCE PROCEEDS RECEIVED		\$ -
	DE-OBLIGATION TO FAASt IF APPLICABLE		\$ -
FAASt ALLOCATIONS	FAASt PROJECT # 750692 428		\$ 15,534,571.38
	FAASt PROJECT # 750692 406 HM		\$ 539,706.66
	FAASt PROJECT # 750692 TOTAL:		\$ 16,074,278.04
	FAASt A&E # 335168 - 428		\$ 1,378,411.70
	FAASt A&E # 335168 - 406 HM		\$ 41,393.16
	FAASt A&E # 335168 TOTAL		\$ 1,419,804.86
	FAASt E&M #673691 - 428		\$ 1,059,507.72
	FAASt E&M #673691 - 406 HM		\$ 432,530.28

	FAAST E&M #673691 TOTAL	\$ 1,492,038.00
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428 Project Summary, Version 1:

Work to Be Completed (WTBC): \$17,972,490.80

E&M Deduction (#673691) 428: -\$1,059,507.72

A&E Deduction (Global A&E FAASt 335168): -\$1,378,411.70

Project Total Cost: \$15,534,571.38

Total Project Cost V1: V0 WTBC– (V0 De-obligation V1) + V1 (Cost Change) = \$12,921,047.00- \$12,921,047.00+ \$15,534,571.38= \$15,534,571.38

VERSION SUMMARY OF KEY CHANGES:

V0: \$12,921,047.00 (WTBC, A&E Deduction)

V1: \$15,534,571.38 (WTBC, A&E Deduction, E&M Deduction, Reconcile funding from De-obligation of V0)

Project Cost Estimate Notes:

1. Refer to detailed SOW provided in document: "750692-DR4339PR-Detailed SOW Mayaguez Group 3 - Phase 2 V1-REV4.pdf".
2. Refer to detailed cost estimate in document: "750692-DR4339PR-Appendix B - Detail Cost Estimate - Mayaguez Group 3 - Phase 2 V1-REV4.xlsx".
3. A&E costs included in this project will be reduced from this project and obligated under the FAASt Project #335168, A&E, as shown in the table above. The A&E project was obligated to track and account for costs associated with individual FAASt projects.
4. Equipment and material costs included in this project will be reduced from this project and obligated under FAASt Project #673691, Equipment and Materials, as shown in the table above. Only the base cost of equipment and/or material will be reduced from this project (not labor). All costs associated with Planning, Management, General Conditions, and Contingencies will remain in this project.
5. This project is part of 136271-MEPA078 Puerto Rico Electrical Power Authority Island Wide FAASt Project.
6. Since in previous version the A&E and E&M dollar amount was deducted, now in version 1 a positive value has been added with the same amount to zero out the cost.

ATTACHMENTS/APPENDICES:

The following attachments and appendices are provided with this DSOW:

Item	Document Description or Filename
A	750692-DR4339PR-Appendix A - Structure Coordinates
B	750692-DR4339PR-Appendix B - Detailed Cost Estimate

C	750692-DR4339PR-Appendix C - Project Considerations
D	750692-DR4339PR-Appendix D - Mayagüez Warehouse
D(A)	750692-DR4339PR-Appendix D(A) – Warehouse Location
E	750692-DR4339PR-Appendix E-Boundaries of construction

406 HMP Scope

Project number: FAASt [Pole and Conductor Repair - Mayaguez Group 3 - Phase 2] (Distribution))

Damage # 750692;

FAASt [Distribution Pole and Conductor Repair - Mayaguez Group 3 - Phase 2]

Applicant: PR Electric Power Authority (000-UA2QU-00)

Location: Mayaguez, Puerto Rico

GPS Latitude/Longitude: Start: [REDACTED]

Hazard Mitigation Narrative

During the incident period from September 17, 2017, to November 15, 2017, the Commonwealth of Puerto Rico experienced hurricane-force winds, heavy rain, flooding, and power outage “loss of power” from Hurricane Maria. The incident caused damage to the electrical system, such as the power generation plants, transmission and distribution lines, substations, communication systems, buildings, among other damages to the infrastructure owned, operated, and maintained by the Puerto Rico Electric Power Authority (PREPA).

Project # [750692] FAASt [Pole and Conductor Repair - Mayaguez Group 3 - Phase 2] (Distribution))

The Distribution Pole and Conductor Repair – Mayaguez Group 3Phase 2 consists of seven (7 ea.) interconnected and inter-functional distribution feeders (sites) establish the electrical distribution system as follows: SAN GERMAN (6406-02); LAJAS, (6601-03); LA PARGUERA (6603-01); CABO ROJO (6703-01); COMBATE (6704-02); COMBATE (6704-03) & PUERTO REAL (6705-01).

The Method of Repair (MOR) included the replacement of the damaged critical distribution poles (wood, concrete or galvanized), cross-arms, insulators, and all associated hardware needed for the new structure. According to the information provided by the Applicant, due to the high velocity hurricane winds, wind-blown debris, and prolonged heavy rain, were the main cause of the damages of the facilities.

In order to minimize the damages in a future event, the Applicant is proposing as a mitigation measure, increase the strength of the poles by increasing the wind tolerance to +160mph. Note: The FEMA Accelerated Award Strategy (FAASt) MOR included the PREPA distribution standards and specifications that were based on a 145mph sustained winds. However, the new PREPA Standard 2021 updates the design-criteria to a 160mph sustained winds resistant. The +160mph wind tolerance mitigation measure, will protect and make the affected infrastructure more resistant, stronger, and resilient to similar hazards.

Hazard Mitigation Proposal (HMP) Scope of Work:

In order to prevent or reduce future damages from similar events, the applicant proposed the following mitigation measures:

Mitigation Measures (*Replacement*)

1. To avoid damage in a future event, the Applicant is proposing as a mitigation measure, increase the strength of the poles by increasing the wind tolerance of all materials to +160mph. The FAASt MOR included the PREPA distribution standards and specifications that were based on a 145mph sustained winds. However, the new PREPA Standard 2021 updates the design-criteria to a 160mph sustained winds resistant. The above mitigation measures will protect and make the affected infrastructure more resistant, stronger, and resilient to similar hazards. Refer to Appendix J: Section VI.D.1 of the PAPPG V3.1.

[Distribution Critical Poles Replacement] 406 Mitigation Scope of Work:

➤

1. Feeder 6406-02 Scope:
 - Replace fourteen (14) 50FT Gal Steel Round Poles by fourteen (14) 45FT S5.7 Galv Steel 12-sided poles.
 - Replace ten (10) 50FT Gal Steel Round Poles by ten (10) 50FT S8.5 Galv Steel 12-sided poles.
2. Feeder 6601-03 Scope:
 - Replace one hundred thirty-two (132) 50FT Gal Steel Round Poles by one hundred thirty-two (132) 45FT S5.7 Galv Steel 12-sided poles.
 - Replace six (6) 50FT Gal Steel Round Poles by six (6) 50FT S8.5 Galv Steel 12-sided poles.
3. Feeder 6603-01 Scope:
 - Replace forty-nine (49) 50FT Gal Steel Round Poles by forty-nine (49) 45FT S5.7 Galv Steel 12-sided poles.
 - Replace four (4) 50FT Gal Steel Round Poles by four (4) 50FT S8.5 Galv Steel 12-sided poles.
4. Feeder 6703-01 Scope:
 - Replace sixty-four (64) 50FT Gal Steel Round Poles by sixty-four (64) 45FT S5.7 Galv Steel 12-sided poles.
 - Replace three (3) 50FT Gal Steel Round Poles by three (3) 50FT S8.5 Galv Steel 12-sided poles.
5. Feeder 6704-02 Scope:
 - Replace one hundred twelve (112) 50FT Gal Steel Round Poles by one hundred twelve (112) 45FT S5.7 Galv Steel 12-sided poles.
 - Replace ten (10) 50FT Gal Steel Round Poles by ten (10) 50FT S8.5 Galv Steel 12-sided poles.
6. Feeder 6704-03 Scope:
 - Replace one hundred twenty (120) 50FT Gal Steel Round Poles by one hundred twenty (120) 45FT S5.7 Galv Steel 12-sided poles.
 - Replace one (1) 50FT Gal Steel Round Pole by one (1) 50FT S8.5 Galv Steel 12-sided pole.
7. Feeder 6705-01 Scope:
 - Replace thirty-one (31) 50FT Gal Steel Round Poles by thirty-one (31) 45FT S5.7 Galv Steel 12-sided poles.
 - Replace two (2) 50FT Gal Steel Round Poles by two (2) 50FT S8.5 Galv Steel 12-sided poles.

Hazard Mitigation Proposal (HMP) Cost

Total Net Hazard Mitigation Cost (Base Cost) =	
\$432,530.28	
+ HM (Applicant A&E, Management & General Conditions)	
=	<u>\$107,176.38</u>
Hazard Mitigation Total Cost =	
\$539,706.66	

Hazard Mitigation Proposal (HMP) Cost Distribution:

Equipment and Materials (E&M) =	\$432,530.28
Architecture and Engineering (A&E) =	\$41,393.16
Construction Cost =	<u>\$65,783.22</u>
Hazard Mitigation Total Cost =	\$539,706.66

HMP Cost-Effectiveness Calculations:

FEMA's Benefit-Cost Analysis (BCA), methodology evaluates expected risk reduction benefits of a hazard mitigation project and compares those benefits to the cost of the mitigation project. FEMA Public Assistance Program and Policy Guide (PAPPG) Chapter 2. Section VII. C. defines cost effective mitigation as: The Hazard Mitigation Measure is cost effective through an acceptable Benefit Cost Analysis (BCA) with a resulting Benefit Cost Ratio equal to or greater than (1).

The Island Wide Benefit Cost Analysis (IWBCA) created for the PREPA infrastructure defines a maximum potential benefit using the incurred costs of the PREPA FEMA Accelerated Award Strategy (FAAST) fixed cost estimate, the mission assignments utilized for the reconnection effort, and the costs associated with loss of service. This maximum benefit has been developed to fund all mitigation projects from both Public Assistance Hazard Mitigation and the Hazard Mitigation Grant program.

It is the applicant's responsibility to maintain a record of approved IWBCA related projects to avoid running out of funds for their Mitigation portion projects.". Please see attached IWBCA Package

The cost of the Hazard Mitigation Proposal (HMP) described herein is **\$539,706.66** (Hazard Mitigation Total Cost). The cost of this HMP

combined with all other proposals (both PA and HMGP) does not exceed the maximum potential benefit and is therefore deemed cost effective per FEMA Public Assistance Program and Policy Guide (PAPPG) V3.1 April 2018, Chapter 2, VII., Section C, BCA Rule. This Hazard Mitigation Proposal meets eligible repair and restoration cost-effective requirements.

**See Mitigation Profile Documents Tab in Grants Manager for complete version of this HMP and supporting documents (HMP, HMP cost estimate, Supporting documents file).

Cost

Code	Quantity	Unit	Total Cost	Section
9001	1	Lump Sum	\$17,230,407.00	Uncompleted
9001	1	Lump Sum	(\$2,509,617.00)	Uncompleted
3510	1	Lump Sum	(\$1,799,743.00)	Uncompleted
9201	1	Lump Sum	\$0.00	Completed
9001	1	Lump Sum	\$2,509,617.00	Uncompleted
3510	1	Lump Sum	\$1,799,743.00	Uncompleted
9001	1	Lump Sum	(\$17,230,407.00)	Uncompleted
9001	1	Lump Sum	\$17,972,490.80	Uncompleted
9001	1	Lump Sum	(\$1,059,507.72)	Uncompleted
3510	1	Lump Sum	(\$1,378,411.70)	Uncompleted

CRC Gross Cost \$15,534,571.38

Total 406 HMP Cost \$0.00

Total Insurance Reductions \$0.00

CRC Net Cost \$15,534,571.38

Federal Share (90.00%) \$13,981,114.25

Non-Federal Share (10.00%) \$1,553,457.13

Subgrant Conditions

- As described in Title 2 Code of Federal Regulations (C.F.R.) § 200.333, financial records, supporting documents, statistical records and all other non-Federal entity records pertinent to a Federal award must be retained for a period of three (3) years from the date of submission of the final expenditure report or, for Federal awards that are renewed quarterly or annually, from the date of the submission of the quarterly or annual financial report, respectively, as reported to the Federal awarding agency or pass-through entity in the case of a subrecipient. Federal awarding agencies and pass-through entities must not impose any other record retention requirements upon non-Federal entities. Exceptions are stated in 2 C.F.R. §200.333(a) – (f)(1) and (2). All records relative to this project are subject to examination and audit by the State, FEMA and the Comptroller General of the United States and must reflect work related to disaster-specific costs.
- The terms of the FEMA-State Agreement are incorporated by reference into this project under the Public Assistance award and the applicant must comply with all applicable laws, regulations, policy, and guidance. This includes, among others, the Robert T. Stafford Disaster Relief and Emergency Assistance Act; Title 44 of the Code of Federal Regulations; FEMA Policy No. 104-009-2, Public Assistance Program and Policy Guide; and other applicable FEMA policy and guidance.
- The DHS Standard Terms and Conditions in effect as of the declaration date of this emergency declarations or major disaster, as applicable, are incorporated by reference into this project under the Public Assistance grant, which flow down from the Recipient to subrecipients unless a particular term or condition indicates otherwise.
- The Uniform Administrative Requirements, Cost Principles, and Audit Requirements set forth at Title 2 Code of Federal Regulations (C.F.R.) Part 200 apply to this project award under the Public Assistance grant, which flow down from the Recipient to all subrecipients unless a particular section of 2 C.F.R. Part 200, the FEMA-State Agreement, or the terms and conditions of this project award indicate otherwise. See 2 C.F.R. §§ 200.101 and 110.
- The subrecipient must submit a written request through the Recipient to FEMA before it makes a change to the approved scope of work in this project. If the subrecipient commences work associated with a change before FEMA approves the change, it will jeopardize financial assistance for this project. See FEMA Policy No. 104-009-2, Public Assistance Program and Policy Guide.
- When any individual item of equipment purchased with PA funding is no longer needed, or a residual inventory of unused supplies exceeding \$5,000 remains, the subrecipient must follow the disposition requirements in Title 2 Code of Federal Regulations (C.F.R.) § 200.313-314.
- Pursuant to section 312 of the Stafford Act, 42 U.S.C. 5155, FEMA is prohibited from providing financial assistance to any entity that receives assistance from another program, insurance, or any other source for the same work. The subrecipient agrees to repay all duplicated assistance to FEMA if they receive assistance for the same work from another Federal agency, insurance, or any other source. If an subrecipient receives funding from another federal program for the same purpose, it must notify FEMA through the Recipient and return any duplicated funding.
- In the seeking of proposals and letting of contracts for eligible work, the Applicant/Subrecipient must comply with its Local, State (provided that the procurements conform to applicable Federal law) and Federal procurement laws, regulations, and procedures as required by FEMA Policy 2 CFR Part 200, Procurement Standards, §§ 317-326.
- The Recipient must submit its certification of the subrecipient's completion of this project, the final claim for payment, and supporting documentation within 180 days from the date that the applicant completes the scope of work, or the project deadline, whichever occurs first. FEMA reimburses Large Projects (those with costs above the large project threshold) based on the actual eligible final project costs. Therefore, during the final project reconciliation (closeout), the project may be amended to reflect the reconciliation of actual eligible costs.
- The Subrecipient provided the estimate for this PW. FEMA validated the estimate and found it to be reasonable for the work to be performed.

Insurance

Additional Information

7/29/2026

No adjustments to be made to the previous insurance coverage determination, no revisions to narrative needed, updated applicant tracker if needed, providing administrative function and forwarding project for completion.

Charlotte De Jesus Negron, PA Insurance Specialist
CRC Atlantic, Guaynabo P.R.

4/30/2025

Does the Applicant have a Commercial Policy: Yes.

Does the Applicant's Commercial Policy extend coverage for the damage described in this project: No.

Property insurance coverage for the electrical distribution facilities represented on this project are not insured or insurable. No insurance relief is anticipated. No Obtain and Maintain requirement will be made.

FEMA requires the applicant to take reasonable efforts to pursue claims to recover insurance proceeds that it is entitled to receive from its insurer(s). In the event that any insurance proceeds are received for these expenses those proceeds must be reduced from FEMA Public Assistance funding to ensure no duplication of benefits has occurred.

No duplication of benefits from insurance is anticipated for work described in this application. In the event any part or all costs are paid by an insurance policy, a duplication of benefits from insurance will occur. Applicant must notify grantee and FEMA of such recoveries and the Sub-Grant award amount must be reduced by actual insurance proceeds.

No insurance requirements will be required for this project. Insurance requirements are specific to permanent work to replace, restore, repair, reconstruct, or construct buildings, contents, equipment, or vehicles. (FEMA Recovery Policy FP 206-086-1).

No insurance narrative will be produced or uploaded into documents or attachments.

Jean-Carlo Echevarria, PA Insurance Specialist, CRC Atlantic, Guaynabo, PR

O&M Requirements

There are no Obtain and Maintain Requirements on **FAASt * [Pole and Conductor Repair - Mayaguez Group 3 - Phase 2] (Distribution)**.

406 Mitigation

There is no additional mitigation information on **FAASt * [Pole and Conductor Repair - Mayaguez Group 3 - Phase 2] (Distribution)**.

Environmental Historical Preservation

Is this project compliant with EHP laws, regulations, and executive orders?

Yes

EHP Conditions

- Any change to the approved scope of work will require re-evaluation for compliance with NEPA and other Laws and Executive Orders.
- This review does not address all federal, state and local requirements. Acceptance of federal funding requires recipient to comply with all federal, state and local laws. Failure to obtain all appropriate federal, state and local environmental permits and clearances may jeopardize funding.
- If ground disturbing activities occur during construction, applicant will monitor ground disturbance and if any potential archaeological resources are discovered, will immediately cease construction in that area and notify the State and FEMA.
- a. The Subrecipient and/or Subrecipient's contractor must follow the Low Impact Debris Removal Stipulations (LIDRS) outlined in Appendix E of the Project-Specific Programmatic Agreement Among FEMA, the SHPO, ACHP, COR3, and PREPA(PSPA), executed on August 2, 2022.
- b. Pursuant to Stipulation III.B of the PSPA, if, in the course of implementing this Individual Undertaking(s), previously unidentified structures, sites, buildings, objects, districts, or archaeological deposits, that may be eligible for listing in the National Register, or human remains are uncovered, or if it appears that an Individual Undertaking has affected or will affect a previously identified historic property in an unanticipated manner, the contractor must notify Subrecipient who will immediately notify the Recipient. Work must stop in the vicinity of the discovery and measures must be taken to protect the discovery and avoid additional harm.
- c. Additional staging areas and/or work pads within work site area haven't been identified yet. The Recipient/Subrecipient and/or private

operator must provide the information of any additional staging areas or work pads for EHP evaluation as soon as available specially if any construction activity will be necessary to prepare the site(s). Information for staging areas and/or work pads confined to hardened surfaces can be provided at closeout.

- d. All borrow or fill material must come from pre-existing stockpiles, material reclaimed from maintained roadside ditches (provided the designed width or depth of the ditch is not increased), or commercially procured material from a source existing prior to the event. For any FEMA-funded project requiring the use of a non-commercial source or a commercial source that was not permitted to operate prior to the event (e.g., a new pit, agricultural fields, road ROWs, etc.) in whole or in part, regardless of cost, the Applicant must notify FEMA and the Recipient prior to extracting material. FEMA must review the source for compliance with all applicable federal environmental planning and historic preservation laws and executive orders prior to a Sub-recipient or their contractor beginning borrow extraction. Consultation and regulatory permitting may be required. Non-compliance with this requirement may jeopardize receipt of federal funding. Documentation of borrow sources utilized is required at close-out and must include fill type (private, commercial, etc.), name, fill site GPS coordinates (not of the company/governmental office), address, and type of material.
- Conservation Measures for *Cordia alliodora*, *Aristida chrysophylla*, and *Stahlia monosperma* (Feeders 6406-02, 6704-02, 6704-03, 6705-01): 1. Before initiating any work within the range of listed plant species and in areas with suitable habitat, applicants must conduct plant surveys. In the event that listed species are discovered at the project site, the Service must be notified. The Applicant must develop conservation measures to minimize or avoid impacts on those species and share those measures with the Service for evaluation and approval. If no listed plants are found during surveys, no further action is required. However, if a listed plant species is found while the project is being conducted, project personnel shall stop work, and the Service should be contacted for further technical assistance. Service's point of contacts: - Jose Cruz-Burgos, Endangered Species Program Coordinator, Mobile: 305-304-1386, Office: 786-244-0081, jose_cruz-burgos@fws.gov. - Omar Monsegur, Fish and Wildlife Biologist, Mobile: (305) 304-0292, omar_monsegur@fws.gov.
- Conservation Measures for *Atlantea tulita* (Feeder 6406-02): 1. The contractor must inform all personnel about the potential presence of the Puerto Rican harlequin butterfly and its host plant, prickly bush (*Oplonia spinosa*), in the project areas. A pre-work meeting should inform all project personnel about the need to avoid harming this butterfly and its occupied host plant. All personnel will be advised that there are civil and criminal penalties for harming, harassing, or killing species protected under the Endangered Species Act of 1973, as amended. Educational material (e.g., posters, flyers, or signs with photos or illustrations of all the life stages of the Puerto Rican harlequin butterfly (i.e., eggs, caterpillar, chrysalids, and adult, and its host plant) should be prepared and available to all personnel for reference. 2. Before starting any project activity, including removal of vegetation and earth movement, the contractor must clearly delineate the boundaries of the working area in the field to avoid unnecessary habitat impacts. Once the project areas are clearly marked, and before any work activity, including site preparation, personnel with knowledge and ability to identify the Puerto Rican harlequin butterfly (all life stages) and the prickly bush must survey the areas where the work will be performed for the presence of the species and its host plant. It is important to note that the Puerto Rican harlequin butterfly can be observed year-round in all life stages; thus, oviposition (egg-laying) may occur at any time during the year. 3. If the prickly bush is present on the project site, try to avoid cutting the plant, even if no eggs, caterpillars, or chrysalids are present. 4. If there is no prickly bush within the project area, but the butterfly is observed flying within the project area, do not harass, harm, pursue, wound, kill, trap, capture, collect, or attempt to engage in any such conduct, the species.
- Continuation of Conservation Measures for *Atlantea tulita* (Feeder 6406-02): 5. Adult butterflies are often observed flying near the host plant as part of their mating behavior and for laying eggs. Project-related activities must stop if the prickly bush is found in the project area and the Puerto Rican harlequin butterfly is observed flying in that same area. A temporary 50-meter (164 feet) buffer zone of no activity or human disturbance should be established and clearly marked around that prickly bush until the butterfly moves out on its own. 6. Once the Puerto Rican harlequin butterfly has moved away, within a period of 24 to 36 hours, a search of the prickly bush that has been buffered should be conducted to determine the presence of any eggs, caterpillars, or chrysalids of the butterfly on the plant. The contractor or the Applicant should send a report of the observation and its findings to caribbean_es@fws.gov after the 36-hour search is concluded. 7. If, after the initial search or after the 24 to 36-hour search, any life stage of the Puerto Rican harlequin butterfly is found in the prickly bush, take the following actions: -Clearly mark the host plant with flagging tape. -Establish a 10-meter (32-foot) buffer zone around the bush for its protection. -Eggs are typically found on the prickly bush's newly grown, tender branches. Once the egg hatch, the caterpillar moves and feeds throughout the bush. Therefore, avoid cutting off the prickly bush within the project site even if no eggs, caterpillars, or chrysalids are present. Work within the 10-meter buffered area may resume when no signs of any live life stage of the butterfly are detected, which usually takes approximately 60 to 120 days. 8. For all Puerto Rican harlequin butterfly sightings (all life stages), the time and date of the sighting and the specific location where the butterfly was found must be recorded. Data should also include a photo of the butterfly (if possible) and the habitat where it was observed, site GPS coordinates, and comments on how the butterfly was detected and its behavior. All Puerto Rican harlequin butterfly sighting reports should be sent to the Service's Caribbean Ecological Service Field Office at caribbean_es@fws.gov. 9. For questions regarding the Puerto Rican harlequin butterfly, the Point of Contacts are: -Jose Cruz-Burgos, Endangered Species Coordinator: Mobile: 305-304-1386 Office phone: 786-244-0081 Office Direct Line: 939-320-3120 Email: jose_cruz-burgos@fws.gov -Carlos Pacheco, Fish and Wildlife Biologist Mobile: 786-847-5951 Office Direct Line: 939-320-3113 Email: carlos_pacheco@fws.gov
- Conservation Measures for *Agelaius xanthomus*, *Accipiter striatus venator*, *Amazona vittata*, *Buteo platypterus brunescens*, *Caprimulgus noctitherus* (Feeders 6406-02, 6601-03, 6603-01, 6703-01, 6704-02, 6704-03): 1. All personnel will be advised that there are civil and criminal penalties for harming, harassing, or killing species protected under the Endangered Species Act of 1973, as amended. During breeding seasons (see below), nest surveys shall be conducted if a project occurs within the range of any of the species listed above and if habitat for those species will be impacted by the proposed actions. Nest searches must be conducted by qualified personnel with the appropriate permits from the Puerto Rico Department of Natural and Environmental Resources (PRDNER) prior to start of work. If nesting activity is detected, all construction activities or human disturbance must be avoided within a 50-meter buffer around any nest(s) found within the project area. This avoidance strategy must be kept until fledglings successfully leave the nest(s) permanently. Outside the breeding season no nest surveys are required, but if a nest is encountered, all construction activities or human disturbance must be avoided within a 50-meter buffer around that nest(s). This avoidance strategy must be kept until fledglings successfully leave the nest(s) permanently. Furthermore, if any of the species indicated above is observed (e.g., foraging, resting) within the project area, avoid any disturbance to the individual(s) and do not flush the bird until it leaves on its own. Nesting seasons: - Puerto Rican parrot: February-June. - Puerto Rican plain pigeon: April-September. - Puerto Rican broad-winged hawk: December-June. - Puerto Rican sharp-shinned hawk:

December-June. - Puerto Rican nightjar: February-August. - Elfín-woods warbler: March-June. - Yellow-shouldered blackbird: February-November. For all nest sightings, the Applicant must record the time and date of the sighting and the specific location where it was found. All sightings and incidental lethal take reports should be sent to the USFWS Caribbean Ecological Services Field Office at Caribbean_es@fws.gov. For questions, the Point of Contact (POC) is Jose Cruz-Burgos, Endangered Species Program Coordinator, and can be contacted at: Mobile: 305-304-1386 Office phone: 786-244-0081 Office Direct Line: 939-320-3120 Email: jose_cruz-burgos@fws.gov 2. Work conducted within the Yellow-shouldered blackbird Critical Habitat that includes vegetation removal or habitat modification requires consultation with the Service. Road repairs or other actions within the existing footprint do not require consultation.

- Conservation Measures for *Chilabothrus inornatus* (For all feeders): 1. Inform all project personnel about the potential presence of the Puerto Rican (PR) boa and Virgin Islands (VI) boa in areas where the proposed work will be conducted and provide training on PR and VI boa identification. A pre-construction meeting will be conducted to inform all project personnel about the need to avoid harming these species. All personnel will be advised that there are civil and criminal penalties for harming, harassing, or killing species protected under the Endangered Species Act of 1973. An educational poster or sign with photo or illustration of these species will be displayed at the project site. 2. Prior to any construction activity, including removal of vegetation and earth movement, the boundaries of the project area and any area to be excluded and protected will be clearly marked in the project plan and in the field to avoid further habitat degradation outside of the footprint of the project. 3. Once areas are clearly marked, and right before the use of heavy machinery and any construction activity (including removal of vegetation and earth movement), biologist or designated project personnel with experience on these species will survey the areas to be cleared to verify the presence of any PR or VI boa within the Action Area. If a PR or VI boa is found during the search, it should be captured and managed as per #6 below. Once the removal of vegetation begins, the biologist or designated personnel must remain at the work site and be ready to capture any boa that might be in harm's way as the result of the habitat disturbance (see #6). 4. For VI boas, once the Action Area has been searched, vegetation will be cut about one meter above ground prior to the use of heavy machinery for land clearing. Cutting vegetation by hand will allow VI boas present on site to move away on their own to adjacent available habitat. If there is no suitable habitat adjacent to the project site, any VI boa found will be relocated accordingly (see #6).
- Continuation of Conservation Measures for *Chilabothrus inornatus* (For all feeders): 5. For all boa sightings (dead or alive), record the time and date of the sighting and the specific location where it was found. Data will also include a photo of the animal (dead or alive), relocation site GPS coordinates, time and date of the relocation, and comments on how the animal was detected and its behavior. 6. If any PR or VI boa (dead or alive) is found within the Action Area and on harm's way, the action will stop, and information will be recorded (see #5). All attempts will be made to immediately safely capture and relocate the animal within suitable habitat (forested) at least 1 km from the Action Area and away from construction areas. PR boa relocation sites will be pre-determined before the project starts and sites shared with the Service for revision and concurrence. Relocation of PR boas will be conducted by trained, designated personnel ensuring the animal is not harmed or injured during the capture and relocation process. 7. Measures will be taken to avoid and minimize PR boa and VI boa casualties by heavy machinery or motor vehicles being left in the Action Area. - Any heavy machinery left on site (staging areas) or near potential PR or VI boa habitat will be thoroughly inspected each morning before work starts to ensure that no boas have sheltered within engine compartments or other areas of the heavy machinery. If a PR boa or VI boa is found within vehicles or heavy machinery, boas will be safely captured accordingly. If not possible, the animal will be left alone until it leaves the vehicle or machine by itself. - The PR boa and VI boa may seek shelter within debris piles. Measures should be taken to avoid and minimize boa casualties associated with sheltering in new debris piles as a result of project activities. New debris piles should be placed in areas as far as possible from forested areas. Prior to moving, disposing, or shredding, debris piles should be carefully inspected for the presence of PR boas and VI boas. If debris piles will be left on site, we recommend they be placed in an undisturbed area. - In the event a PR boa and VI boa is found dead within the project area, the Federal Agency and the Recipient must contact the Service to appropriately dispose the animal. - If a PR boa or a VI boa is accidentally injured or killed during capture and relocation activities during the Action, the Federal Agency and the Recipient shall terminate the authorized activities and contact the Service within 24 hours to reinstate consultation. The Federal Agency will consult with the Service to determine whether authorized activities should continue as proposed and whether modifications are warranted. - Should the forms of take reach the amount of exempted take during the Action, the Federal Agency and the Recipient shall terminate the authorized activities and contact the Service within 24 hours to reinstate consultation. The Federal Agency will consult with the Service to determine whether authorized activities should continue as proposed and whether modifications are warranted. For questions and to submit reports, the Service's Point of Contact (POC) is Jose Cruz-Burgos, Endangered Species Coordinator, and can be contacted at: Mobile: 305-304-1386 Office phone: 786-244-0081 Office Direct Line: 939-320-3120 Email: Caribbean_es@fws.gov or jose_cruz-burgos@fws.gov
- The Applicant must provide documentation at close-out that proves completion of required Conservation Measures.
- The Applicant shall handle, manage, and dispose of all types of hazardous waste in accordance with requirements of local, state, and federal laws, regulations, and ordinances. In addition, the Applicant shall ensure that all debris is separated and disposed of in a manner consistent with the PR DNER guidelines at a permitted site or landfill. The contractor/applicant will be responsible for the proper disposition of construction debris in authorized landfills providing the name, location, coordinates and permits of the facility to the corresponding authorities. The applicant is responsible to ensure damaged transformers are handled, managed, and disposed of in accordance with all federal and state laws and requirements. Downed electrical equipment may contain toxic and hazardous materials, such as polychlorinated biphenyls (PCBs), and may spill these materials if a rupture occurs. Applicant is responsible for screening transformers that do or may contain PCBs and the area where any related spill occurred. The applicant is then responsible to handle, manage, dispose of, or recycle damaged equipment and contaminated soil as appropriate. Where possible, temporary measures should be implemented to prevent, treat, or contain further releases or mitigate the migration of PCBs into the environment. If damaged equipment or material storage containers must be stored temporarily, containers should be placed on hardened surface areas, such as a concrete or an asphalt for no more than 90 days. Excavated contaminated material should be disposed of in accordance with federal and state laws and requirements. Unusable equipment, debris, white goods, scrap metal any other material shall be disposed in approved manner and location. In the event significant items are discovered during the implementation or development of the project the Applicant shall handle, manage, and dispose petroleum products, hazardous materials, and toxic waste in accordance with the requirements of the local and federal agencies. Noncompliance with these requirements may jeopardize receipt of federal funds.
- Applicant must obtain any required permits from the Puerto Rico Permits Management Office (OGPe) prior to initiating work and comply

with any conditions of the permit established by the Planning Board (JP) for constructions in floodplains. All coordination (emails, letters, documented phone calls) pertaining to these activities and compliance must be provided and maintained in the Applicant's permanent files.

- The Applicant shall ensure best management practices are implemented to prevent erosion and sedimentation to surrounding, nearby or adjacent wetlands. To ensure that wetlands are not adversely impacted, per the Clean Water Act and Executive Order 11990, equipment storage and staging of construction materials and machinery must be in a location that would prevent erosion and sedimentation.

EHP Additional Info

There is no additional environmental historical preservation on **FAAST * [Pole and Conductor Repair - Mayaguez Group 3 - Phase 2] (Distribution)**.

Final Reviews

Final Review

Reviewed By LEFRANC-GARCIA, CARLOS L.

Reviewed On 08/11/2026 6:39 PM PDT

Review Comments

[750692] FAASt [Pole and Conductor Repair - Mayaguez Group 3 - Phase 2] (Distribution) intends to replace poles and structures (including their foundations), framing and insulators, load break switches (manual and automated), capacitor banks, voltage regulators, transformers (including lightning arresters and fuse cut-outs), conductors, guy wires, anchoring, grounding assemblies, underground cable, underground cable systems, fault interrupting equipment (fuses, reclosers, and sectionalizes), and any other associated components corresponding to the feeders under Mayaguez Group 3 phase 2. Version 1 has a change request for the amount of CRC gross cost of \$2,613,524.38 for a 90% federal share of \$13,981,114.25. Reviewed, found eligible and reasonable. Subrecipient and its agents are responsible for compliance with all grants and subgrant conditions, including any applicable Federal, State and Local requirements. CLG 08/11/2026

Recipient Review

Reviewed By Mulero, Noel

Reviewed On 08/18/2026 9:05 PM PDT

Review Comments

Recipient review completed. Since this version include both 406 HMP and 428 PA costs, one with positive amount and the other negative, we'll process first the positive funds and in a later version we'll de-obligate the negative portion. This project does not apply to the Department of Energy's executive order. This means that FEMA is the lead agency for environmental matters. Project is ready for applicant review.

Project Signatures

Reviewed By Unsigned

Reviewed On Unsigned

Fixed Cost Offer

As a Public Assistance (PA) Subrecipient PR Electric Power Authority (000-UA2QU-00), in accordance with Section 428 of the Robert T. Stafford Disaster Relief and Emergency Assistance Act, the Applicant agrees to accept a permanent work subaward based on a Fixed Cost Offer in the amount of \$15,534,571.38 for subaward number 107979 under Disaster # 4339. The Applicant accepts responsibility for all costs above the Fixed Cost Offer.

The Applicant understands that by participating in this pilot program they will be reimbursed for allowable costs in accordance with 2 CFR Part 200, and the reimbursement will not exceed the Fixed Cost Offer. The Applicant also understands that by agreeing to this Fixed Cost Offer, they will not receive additional funding related to the facilities or sites included in the subaward. The Applicant also acknowledges that failure to comply with the requirements of applicable laws and regulations governing assistance provided by FEMA and the PA Alternative Procedures Pilot Program Guidance (such as procurement and contracting; environmental and historic preservation compliance; and audit and financial accountability) may lead to loss of federal funding.

Award Information

EMMIE Imported Version Information

Version #	Eligibility Status	Current Location	Bundle Number	Project Amount	Cost Share	Federal Share Obligated	Date Obligated
No Records							

Drawdown History

EMMIE Drawdown Status As of Date	IFMIS Obligation #	Expenditure Number	Expended Date	Expended Amount
6/29/2026	4339DRPRP01079791	201741Z0-06262026	6/25/2026	\$2,133,001.69

Obligation History

Version #	Date Obligated	Obligated Cost	Cost Share	IFMIS Status	IFMIS Obligation #
0	9/25/2025	\$11,628,942.30	90%	Accepted	4339DRPRP01079791
1	8/24/2026	\$2,352,171.95	90%	Accepted	4339DRPRP01079791