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Received:

Nov 4, 2026

2:01 PM

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

IN RE:	**CASE NO. NEPR-MI-2021-0002**
IN RE: REVIEW OF THE PUERTO RICO ELECTRIC POWER AUTHORITY'S 10-YEAR INFRASTRUCTURE PLAN-DECEMBER 2020	**SUBJECT: Motion Submitting One (1) Amended FEMA Approval of Project, Request for Confidential Treatment, and Supporting Memorandum of Law**

MOTION SUBMITTING ONE (1) AMENDED FEMA APPROVAL OF PROJECT, 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 One Amended FEMA Approval of Project and Request for Confidentiality

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 the

Energy Bureau has not yet approved.[1] The Energy Bureau thereafter determined that this directive applies to both 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) scopes of work ("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 (29) SOWs, LUMA submitted the "38 kV Transmission Priority Poles and Structures Replacements" SOW.

3. On September 22, 2021, the Energy Bureau issued a Resolution and Order ("September 22nd Order") determining that most of the SOWs for T&D Projects that LUMA submitted in the August 30th Motion were necessary to improve the system's reliability. Therefore, it approved most of the Projects presented in the August 30th Motion, including the "38 kV Transmission Priority Poles and Structures Replacements" SOW. The Energy Bureau also ordered LUMA to submit, within ten (10) days of receiving such approval, a copy of the approval by COR3 and/or FEMA of each Project, which shall contain the costs obligated for that Project.

4. The "38 kV Transmission Priority Poles and Structures Replacement" SOW T&D Project was reassessed to address specific 38 kV lines individually. As a result, FEMA approved a particular project for Line 9800 Bayamon TC – Guaraguao Sect, labeled as the "668592 - FAASt [Line 9800 Bayamon TC – Guaraguao Sect] (Transmission)" T&D Project.

[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*.

5. Thereafter, on September 22, 2022, LUMA filed a *Motion Submitting Three FEMA Approvals of Project, Request for Confidential Treatment and Supporting Memorandum of Law*, whereby, in compliance with the September 22nd Order, LUMA submitted a copy of the project approval issued by FEMA on September 15, 2022, for the "668592 - FAASt [Line 9800 Bayamon TC – Guaraguao Sect] (Transmission)" T&D Project.

6. In compliance with the September 22nd Order, LUMA hereby submits a copy of the "668592 – FAASt * [Priority Pole Replacement Program (Line 9800)] (Transmission) (HM Cost alignment version)" amended approval,[2] which states that FEMA re-obligated the Project on October 28, 2026. *See* **Exhibit 1** to this Motion.[3]

7. As explained in prior motions,[4] FEMA has clarified how it processes certain Sub-FAASt transactions involving both positive and negative cost adjustments under Section 428 Public Assistance and Section 406 Hazard Mitigation. Because FEMA's system cannot process both adjustments in the same version, it processes the positive adjustment in the current version and the corresponding negative adjustment in a subsequent version. This procedure explains temporary discrepancies between project costs listed in the Consolidated Project List and amounts shown in individual FEMA versions. The amended FEMA approval discussed below reflects this subsequent-version process for negative adjustments. FEMA will address obligations that did not receive Section 406 funding in subsequent versions.

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[2] Although the project title changed from "FAASt [Line 9800 Bayamon TC – Guaraguao Sect] (Transmission)" to "FAASt * [Priority Pole Replacement Program (Line 9800)] (Transmission) (HM Cost alignment version)", its FAASt number has remained the same: 668592.

[3] Please note that **Exhibit 1** has digitalization and table format issues, which are found in the documents as issued by FEMA.

[4] *See, e.g., Motion Submitting Two (2) Amended FEMA Approvals of Project, Statement on New FEMA Guidance, Request for Confidential Treatment, and Supporting Memorandum of Law* filed by LUMA on September 1, 2026, in the present docket.

8. Version 1 of the "668592 – FAASt * [Priority Pole Replacement Program (Line 9800)] (Transmission) (HM Cost alignment version)" approved T&D project was created to capture the change in scope and cost as per LUMA-provided documentation and to add new guidance (two separate transactions between the 428 and 406 funding of Sub-FAASt projects; Version 1 will include only Public Assistance 428 funding, and Version 2 will include only Hazard Mitigation 406 funding). Accordingly, Version 2 was created as an administrative amendment to add the Hazard Mitigation costs pending in the previous version because IFMIS (the finance system) cannot currently accommodate two separate accounting streams within a single transaction. *See* **Exhibit 1** to this Motion, "668592 – FAASt * [Priority Pole Replacement Program (Line 9800)] (Transmission) (HM Cost alignment version)" Cost Approval, pp. 7 and 17.

9. LUMA is submitting herein a redacted public version of the amended FEMA approval (**Exhibit 1**) that protects confidential information associated with Critical Energy Infrastructure Information ("CEII"). As explained below, portions of the amended FEMA approval of the project 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.

II. Memorandum of Law in Support of Request for Confidentiality

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

10. 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).

11. 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).

12. 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.

13. 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.

14. 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).

15. 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

16. Portions of the amended FEMA Approval included in **Exhibit 1** contain CEII that, under relevant federal law and regulations, are protected from public disclosure. LUMA stresses that the amended FEMA Approval with CEII warrants 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.

17. This Energy Bureau has granted LUMA's requests for confidential treatment of portions of the amended FEMA Approvals submitted 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.

18. 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.

19. CEII or critical infrastructure information is generally exempt 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.

20. 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.*

21. 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").[5]

[5] 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

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).[6]

22. Portions of the amended FEMA Approval in **Exhibit 1** qualify as CEII because this document contains the express coordinates and physical addresses of 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 publicly available. Therefore, LUMA respectfully submits that, on balance, the public interest in protecting CEII weighs in favor of protecting the relevant portions of the amended FEMA Approval in **Exhibit 1** from disclosure, given the nature and scope of the details included in those portions of the Exhibit.

(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
(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.

[6] 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.

23. Based on the above, LUMA respectfully submits that the Energy Bureau should designate portions of the amended FEMA Approval 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 approval in **Exhibit 1**. Given the importance of ensuring the safe and efficient operation of the generation assets and the T&D System, LUMA respectfully submits that these materials constitute CEII that should be kept confidential to safeguard their integrity and protect them from external threats.

C. Identification of Confidential Information

24. In compliance with the Energy Bureau's Policy on Management of Confidential Information (CEPR-MI-2016-0009), below is a table summarizing the portions of the amended FEMA approval for which LUMA requests 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	668592 – FAASt * [Priority Pole Replacement Program (Line 9800)] (Transmission) (HM Cost alignment version)	Pages 1-2, 7-9, 11, 17-19, 21	Critical Energy Infrastructure Information, 18 C.F.R. § 388.113; 6 U.S.C. §§ 671-674.	November 4, 2026

WHEREFORE, LUMA respectfully requests that the Energy Bureau **take notice** of the aforementioned; **accept** the copy of the Amended FEMA approval 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; and 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 4th day of November 2026.



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Exhibit 1

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

Department of Homeland Security
Federal Emergency Management Agency

v0

General Info

Project #	668592 **P/W #** 10891	**Project Type**	Specialized
Project Category	F - Utilities	**Applicant**	PR Electric Power Authority (000-UA2QU-00)
Project Title	FAASt * [Priority Pole Replacement Program (Line 9800)] (Transmission) (HM Cost alignment version)	**Event**	4339DR-PR (4339DR)
		Declaration Date	9/20/2017
Project Size	Large	**Incident Start Date**	9/17/2017
Activity Completion Date	9/20/2027	**Incident End Date**	11/15/2017
Process Step	Obligated		

Damage Description and Dimensions

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

Damage #661239; FAASt Line 9800 Bayamon TC - Guaraguao Sect] (Transmission)

General Facility Information:

- **Facility Type:** Power generation, transmission, and distribution facilities
- **Facility:** Line 9800 Bayamon TC - Guaraguao Sect
- **Facility Description:** Structures along the line 9800 Bayamon TC - Guaraguao Sect. includes single wooden poles and single concrete structures. Part of this line is underground, but the rest of the line and all of its structures are accessible through roads and/or situated on private properties. Some vegetation management is needed along certain portions of the line.
- **Approx. Year Built:** 1980
- **Start GPS Latitude/Longitude:** [redacted]
- **End GPS Latitude/Longitude:** [redacted]

Final Scope

661239 **FAASt Line 9800 Bayamon TC - Guaraguao Sect] (Transmission)**

Introduction

The purpose of this document is to submit for approval the detailed Scope of Work ("SOW") to COR3 and FEMA for the Transmission Priority Pole Replacement – Line 9800 Project under DR-4339-PR Public Assistance. The document provides a description of the project including scope, schedule, and cost estimates as well as Environmental & Historical 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 pursuant to 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 and provided herein as Appendix F 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 Transmission and Distribution System submitted to FEMA.

Facilities

The facilities listed below are part of the 2.70 mile long 38 kV overhead transmission Line 9800. This line is a Near-Term rebuild priority identified by LUMA. However, these structures were identified as having System Remediation Plan (SRS) issues and were considered degraded during a High-Level Assessment (HLA). Because of risk to the public these structures will be replaced by the Transmission Priority Pole Replacement Program on an expedited basis. Later, the remainder of the line will be rebuilt, except for the structures that would already have been replaced to LUMA Codes & Standards.

Line	FID	Coordinates	Voltage Level (kV)	Construction Date

L9800	Bayamon TC - Guaraguao Sect	11298397	[redacted]	38 kV	1998
		11298405			
		11298410			
		11298445			
		1000414391			

Project Scope of Work

Proposed 428 Public Assistance Scope of Work:

Bayamon TC - Guaraguao Sect Structures Scope:

- Remove five 60ft wood poles and install five 70ft galvanized steel S8 poles in the same location. Cross arms, insulators and all associated hardware will also be replaced along with the new structure.

Project Estimate

The estimated costs (Class 3 Accuracy +/-30%) to complete the project are captured in the table 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 for the mitigation of potential known risks.

Project Cost Estimate	428 Public Assistance
Planning	$27,756
Management	$16,229
Transmission Line Construction	$315,384
General Conditions	$47,531
Contingency	$57,951
Total Project Cost Estimate	**$464,850**
FAASt Project #668592 Total	**$420,866**
FAASt Project #335168 Total	**$43,984**

Work To Be Completed (WTBC): $464,850
A&E Deduction (Global A&E FAASt 335168) -$43,984
Project Total Cost: $420,866

For detailed cost estimate, please refers to document labeled: 668592-DR4339PR-Appendix G - Detailed Cost Estimate - Line 9800 Rev0.pdf.

Project Notes:

1. Refer to detailed SOW provided in document 668592-DR4339PR-Detailed SOW - Line 9800 Rev.0.pdf
2. For reference documents Appendix A thru J, see file labeled: 668592-Transmission Priority Pole Replacement-Line 9800-Attachment A-J.zip
3. For EHP Requirements, refer to pages 8 to 11 of the detailed SOW and reference documents: Appendix I & J.
4. Architectural and Engineering (A&E) costs are deducted given previously obligated Global A&E Project for the subject FAASt PREPA work (see project: 335158 - FAASt A&E PREPA).

406 HMP Scope

There is no feasible Hazard Mitigation opportunity identified nor requested by sub-applicant.

Cost

Code	Quantity	Unit	Total Cost	Section
3510	1	Lump Sum	($43,984.00)	Uncompleted
9001	1	Lump Sum	$464,850.00	Uncompleted
9201	1	Lump Sum	$0.00	Completed

CRC Gross Cost	$420,866.00
Total 406 HMP Cost	$0.00
Total Insurance Reductions	$0.00
CRC Net Cost	$420,866.00
Federal Share (90.00%)	$378,779.40
Non-Federal Share (10.00%)	$42,086.60

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

10/8/2026

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, PR

5/7/2026

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 * [Priority Pole Replacement Program (Line 9800)] (Transmission) (HM Cost alignment version)**.

406 Mitigation

There is no additional mitigation information on **FAASt * [Priority Pole Replacement Program (Line 9800)] (Transmission) (HM Cost alignment version)**.

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.
- Endangered Species Act (ESA) The below Conservation Measures are to be used in concert with the Puerto Rico and US Virgin Islands ESA Compliance Determination Matrix and shall serve as required project conditions to avoid and reduce adverse effects to threatened and endangered species when applied to FEMA grant projects. Reptiles Puerto Rican and Virgins Island Boas 1. Inform all personnel about the potential presence of the PR boa and the VI boa in areas where the proposed work will be conducted. Photographs of the PR and VI Boa are to be prominently displayed at the site. The recipient must ensure that project personnel is able to correctly identify a PR or VI boa. For information on PR boa, please visit: https://ecos.fws.gov/ecp/species/6628. 2. Prior to any construction activity, including removal of vegetation and earth movement, the boundaries of the project area must be delineated, buffer zones, and areas to be excluded and protected, should be clearly marked in the project plan and in the field to avoid further habitat degradation into forested areas. Once areas are clearly marked, and prior to any construction activity, including site preparation, project personnel able to correctly identify a PR or VI boa must survey the areas to be cleared to ensure that no boas are present within the work area. Vehicle and equipment operation must remain on designated access roads/paths and within rights-of way. 3. If a PR boa is found within any of the working or construction areas, activities should stop in the area where the boa was found. Do not capture the boa. If boas need to be moved out of harm's way, project personnel designated by the recipient shall immediately contact the Puerto Rico Department of Natural and Environmental Resources (PRDNER) Rangers for safe capture and relocation of the animal (PRDNER phone #s: 787-724-5700, 787-230-5550, 787-771-1124). If immediate relocation is not an option, project-related activities at this area must stop until the boa moves out of harm's way on its own. Activities at other work sites, where no boas have been found after surveying the area, may continue. 4. Measures should be taken to avoid and minimize PR boa casualties by heavy machinery or motor vehicles being used on site. Any heavy machinery left on site (staging) or near potential PR boa habitat (within 50 meters of potential boa habitat), needs to be thoroughly inspected each morning before work starts to ensure that no boas have sheltered within engine compartments or other areas of the equipment. If PR boas are found within vehicles or equipment, do not capture the animal and let it move on its own or call PRDNER Rangers for safe capture and relocation of the boa (PRDNER phone #s: 787-724-5700, 787-230-5550, 787-771-1124). If not possible, the animal should be left alone until it leaves the vehicle on its own. 5. PR boas may seek shelter in debris piles. Measures should be taken to avoid and minimize boa casualties associated with sheltering in debris piles as a result of project activities. Debris piles should be placed far away from forested areas. Prior to moving, disposing or shredding, debris piles should be carefully inspected for the presence of boas. If PR boas are, found within debris piles, do not capture the animal and let it move on its own or call PRDNER Rangers for safe capture and relocation of the animal. If debris piles will be left on site, we recommend they be placed in areas that will not be disturbed in the future. 6. For all boa sightings (dead or alive), personnel designated by the recipient must record the time and date of the sighting and the specific location where the boa was found. Data should

also include a photo of the animal dead or alive, and site GPS coordinates, and comments on how the animal was detected and its behavior. If the PR boa was accidentally killed as part of the project actions, please include information on what conservation measures had been implemented and what actions will be taken to avoid further killings. All boa-sighting reports should be sent to the USFWS Caribbean Ecological Services Field Office, Marelisa Rivera - Deputy Field Supervisor, 787- 851-7297 extension 206, 787-510-5207, marelisa_rivera@fws.gov. The Applicant must provide documentation at close-out that proves completion of required Conservation Measures

- Resource Conservation and Recovery Act, aka Solid Waste Disposal Act (RCRA) 1. 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. 2. If transformers: 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. 3. 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 to the requirements of the local and federal agencies. Noncompliance with these requirements may jeopardize receipt of federal funds. 1.

EHP Additional Info

There is no additional environmental historical preservation on **FAASt * [Priority Pole Replacement Program (Line 9800)] (Transmission) (HM Cost alignment version)**.

Final Reviews

Final Review

Reviewed By MARTINEZ SANTIAGO, ISRAEL **Reviewed On** 08/26/2022 11:00 AM PDT

Review Comments

FEMA Final Completed. Project ready for Recipient Review.

Recipient Review

Reviewed By Salgado, Gabriel **Reviewed On** 08/26/2022 12:28 PM PDT

Review Comments

Recipient review completed. Project is ready for applicant review.

Project Signatures

Reviewed By Nieves, Ezequiel **Reviewed On** 09/14/2022 4:04 PM PDT

v1

General Info

Project #	668592 **P/W #** 10891	**Project Type**	Specialized
Project Category	F - Utilities	**Applicant**	PR Electric Power Authority (000-UA2QU-00)
Project Title	FAASt * [Priority Pole Replacement Program (Line 9800)] (Transmission) (HM Cost alignment version)	**Event**	4339DR-PR (4339DR)
		Declaration Date	9/20/2017
Project Size	Large	**Incident Start Date**	9/17/2017
Activity Completion Date	9/20/2027	**Incident End Date**	11/15/2017
Process Step	Obligated		

Damage Description and Dimensions

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

Damage #661239; FAASt Line 9800 Bayamon TC - Guaraguao Sect] (Transmission)

General Facility Information:

- **Facility Type:** Power generation, transmission, and distribution facilities
- **Facility:** Line 9800 Bayamon TC - Guaraguao Sect
- **Facility Description:** Structures along the line 9800 Bayamon TC - Guaraguao Sect. includes single wooden poles and single concrete structures. Part of this line is underground, but the rest of the line and all of its structures are accessible through roads and/or situated on private properties. Some vegetation management is needed along certain portions of the line.
- **Approx. Year Built:** 1980
- **Start GPS Latitude/Longitude:** [redacted]
- **End GPS Latitude/Longitude:** [redacted]

Final Scope

661239 **FAASt Line 9800 Bayamon TC - Guaraguao Sect] (Transmission)**

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

Version 1 has been created to capture change in scope and cost as per Applicant provided documentation and add new guidance (two separate transactions between the 428 and 406 funding of Sub-FAAST projects. This version will be only PA 428 and next version will be only Mitigation 406).

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 next 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 may include § 406 hazard mitigation proposals ("HMPs"). The SOW defines the activities that will be performed using Public Assistance ("PA") funding.

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 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 Part
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 136271 – **Transmission Priority Pole Replacement Program Line 9800** under DR-4339-PR Public Assistance. The document provides a detailed description of the project, scope of Public Assistance "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 Public Assistance "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

LUMA determined that the five (5) poles identified in Section 7.0 of this DSOW were degraded during a high-level assessment. These five poles are part of the 2.70 circuit miles of overhead transmission for 38kV Line 9800. This project will replace the five degraded poles through the Transmission Priority Pole Replacement Program on an expedited basis.

FACILITIES LIST

The following table identifies the start and end GPS coordinates of the 2.7 mile long 9800 segments from Bayamon TC to Guaraguao Sect.

Line Segment	Line Number	GPS Start	GPS End	Voltage (
Bayamon TC – Guaraguao Sect.	9800	[redacted]	[redacted]	38

The following table identifies the location of each pole to be replaced in this project.

Pole	FID	Lat	Long
1	11298397	[redacted]	
2	11298405		
3	11298410		
4	11298445		
5	1000414391		

PROJECT AREA MAP WITH BOUNDARIES OF CONSTRUCTION

For Figure 1 : TL9800 TC Map Pole Location pictures please see document labeled: *668592-DR4339PR DSOW Rev 1T pole 9800-6-03-04 11_36-1.pdf*

428 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 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** _____.

The obligated scope includes replacing transmission poles to reduce service interruptions to the transmission grid that could be caused by disaster-related damage. Project 668592 is necessary to maintain the continuity of Transmission Line 9800 - BAYAMON TC – GUARAGO SECT (TLine 9800) and mitigate the loss of service and potential damage from future storms or disasters.

- 5 structure replacements
- Bayamon TC – Guaragao Sect Structures Scope:
    - Remove five 60ft wood poles and install five 70ft galvanized steel S8 poles in the same location. Cross arms, insulators, and all associated hardware will also be replaced with the new structure.

This amendment updates the 428 scope of work, changing the specified pole from a 70-foot S8 tapered galvanized steel pole to a 70-foot round galvanized steel pole compliant with current codes and standards.

FID	Latitude	Longitude	Obligated Scope of Work	Amended 428 Scope of Work
11298397	[redacted]	[redacted]	▪ Remove and dispose of 60ft wood pole ▪ Remove and dispose of crossarms, insulators and pole hardware ▪ Install 70ft S8 galvanized 12-sided tapered steel pole ▪ Install new crossarms, insulators and pole hardware with new structure	▪ Remove and dispose of 60ft wood pole ▪ Remove and dispose of crossarms, insulators and pole hardware ▪ Replace with 70ft galvanized round steel pole ▪ Replace with new crossarms, insulators and pole hardware with new structure

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

DESCRIPTION OF PROPOSED WORK TO BE PERFORMED

1. Poles and components will be replaced per the design methodology and Project Design Criteria.
2. Bayamon TC – Guaraguao Sect. Structures Scopes:
   · Remove five 60ft wood poles and replace with five 70ft galvanized steel (round) poles in the same location. Cross arms, insulators and all associated hardware will also be replaced along with the new structure.

CODES & STANDARDS

Per FEMA's SOP, the locally adopted codes/standards and FEMA-approved industry standards used for this project are provided below:

1. Consensus-based codes, per FEMA (Public Assistance Alternative Procedures (Section 428) Guide for Permanent Work FEMA-4339-DR-PR February 2020).
2. 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.
3 . FEMA Recovery Interim Policy FP-104-009-11 Version 2.1, Consensus-Based Codes, Specifications, and Standards for Public Assistance.
4 . 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 (December 20, 2019)

406 HAZARD MITIGATION PROPOSAL

Refer to document: *668592-DR4339PR DSOW Rev 1T pole 9800-6-03-04 11_36-1.pdf*

406 HAZARD MITIGATION OPPORTUNITY

Refer to document: *668592-DR4339PR DSOW Rev 1T pole 9800-6-03-04 11_36-1.pdf*

406 SCOPE OF WORK

Refer to document: *668592-DR4339PR DSOW Rev 1T pole 9800-6-03-04 11_36-1.pdf*

COMMON EHP REVIEW INFORMATION

Refer to document: *668592-DR4339PR DSOW Rev 1T pole 9800-6-03-04 11_36-1.pdf*

PROJECT COST ESTIMATE (PCE)

The estimated costs (compliant with **Class 3 Accuracy +/-30%**) for completing 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 the referenced appendix/appendices.

COST ESTIMATE			
Cost Element	**428**	**406**	**PROJECT TOTAL**
PLANNING	**$ 30,814.73**	**$ 619.24**	**$ 31,433.97**

MANAGEMENT	**$ 21,692.18**	**$ 435.89**	**$ 22,128.07**
Transmission Priority Pole Replacements TL 9800, FAAST#: 668592	**$ 362,697.97**	**$ 7,308.08**	**$ 370,006.05**
COST TOTALS	**$ 434,172.06**	**$ 8,744.36**	**$ 442,916.42**
DEDUCTIONS	**TOTAL INSURANCE PROCEEDS RECEIVED**		**$ -**
	DE-OBLIGATION TO FAASt IF APPLICABLE?		**$ -**
FAASt ALLOCATIONS	FAAST PROJECT # 668592 - 428		$ 399,437.09
	FAAST PROJECT # 668592 - 406 HM		$ 8,744.36
	FAAST PROJECT # 668592 TOTAL:		**$ 408,181.45**
	FAASt A&E # 335168 - 428		$ 34,734.97
	FAASt A&E # 335168 - 406 HM		$ 698.02
	FAASt A&E # 335168 TOTAL		**$ 35,432.99**
	FAASt E&M #673691 - 428		$ -
	FAASt E&M #673691 - 406 HM		$ -
	FAASt E&M #673691 TOTAL		**$ -**

Refer to Appendix E - Detailed Cost Estimate

Work to be Completed (WTBC): $434,172.06

A&E Deduction (Global A&E FAASt 335168): - $34,734.97

Project Total: $399,437.09

VERSION SUMMARY OF KEY CHANGES:

V0: $420,866.00 **(WTBC, A&E Deduction)**

Change Requested: - $21,428.91

V1: $399,437.09

ATTACHMENTS/APPENDICES

The following attachments and appendices are provided with this DSOW:

Item	Document Description or Filename
A	Approved Supplier List
B	General Arrangement
C	LUMA Waste Management Plan
D	Engineering Plans
E	LUMA Wildlife, Avian and Historical Protection Procedure #335
F	Consent to Federal Funding Letter - FEMA COR3
G	Detailed Cost Estimate - Line 9800 Feb-18-2026
H	PAPPG Appendix J - Cost E?ective Hazard Mitigation Measures
I	Line 9800 FEMA - EHP Checklist
J	Line 9800 Environmental Maps
K	Hazard Mitigation Narrative

Project Notes:

1. Refer to detailed SOW provided in document labeled: "668592-DR4339PR DSOW Rev 1T pole 9800-6-03-04 11_36-1.pdf"

2. For cost estimate detailed information please refer to document: "668592 DR4339PR-LPCE T-Pole Priority Replacement TL-9800 Rev Feb-18-2026 (FEMA)(1).xlsx".

3. This project is part of Donor FAASt 136271 – MEPA078 Puerto Rico Electrical Power Authority (PREPA) Island Wide FAASt Project.697.

4. Since in previous version the A&E 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 FAASt Project #335168, A&E, as shown in in the table above. The A&E project was obligated to track and account for costs associated with individual FAASt projects.

6. This version includes both 406 HMP and 428 PA costs, with one positive amount and the other negative. They cannot be processed in the same version, so two separate versions are required. Version 1 will obligate 428 funds, and Version 2 (amendment) will obligate 406/HM funds.

406 HMP Scope

Project number: 668592; FAASt [Transmission Priority Pole Replacements – Line 9800] (Transmission)

Damage: 661239; FAASt [Line 9800 Bayamon TC - Guaraguao Sect.]

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

Location: Bayamon, 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 from Hurricane Maria. The incident caused damage to the electrical system, such as 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).

The Method of Repair (MOR) included the replacement of the damaged critical distribution pole (wood), cross-arms, insulators, guy wires, and all associated hardware needed for the new structure. The facilities listed below are part of the 2.7 circuit miles of 38kV Overhead Transmission Line 9800 from Bayamon TC to Guaraguao Sect. segment. The Subrecipient determined that nine (5) poles were degraded during a high-level assessment. Given that, this project will replace the nine (5) degraded poles through the Transmission Priority Pole Replacement Program on an expedited basis.

In order to minimize the damages in a future event, the sub-recipient proposes as a mitigation measure to increase the strength of the poles by replacing it with a with new steel galvanized, 12-sided, tapered shaft distribution pole to mitigate future damage to the structure due to high wind (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 2021 PREPA Standard 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, reduce and/or eliminate future natural disaster damage, the subrecipient proposed the following mitigation measures:

Mitigation Measures *(Replacement)*

To avoid damage in a future event, the Subrecipient proposes as a mitigation measure to increase the strength of the poles by replacing it with a 12-sided, tapered shaft distribution pole to mitigate future damage to the structure due to high wind (160mph). 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 V5.

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

1. Bayamon TC to Guaraguao Sect.: o Replace five (5ea) 70ft round galvanized steel poles of 145mph windspeed resistance ASCE/SEI 48-19 with five **(5ea)** new 70ft 12-sided galvanized steel pole, tapered shaft distribution pole to increase the strength of the pole by increasing the wind tolerance by design to 160mph.

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Hazard Mitigation Proposal (HMP) Cost:

Total Net Hazard Mitigation Cost (Base Cost) = $7,014.90

+ HM (Subrecipient A&E, Management & General Conditions) = $ 1,729.46

Hazard Mitigation Total Cost = **$ 8,744.36**

Hazard Mitigation Proposal (HMP) Cost Distribution:

Equipment and Materials (E&M) = $ 0.0

Architecture and Engineering (A&E) = $ 698.02

Construction Cost = $8,046.34

Hazard Mitigation Total Cost = **$8,744.36**

-

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 Subrecipient 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 **$8,744.36 (Hazard Mitigation Total Cost)**. The cost of this HMP combined will 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
3510	1	Lump Sum	($43,984.00)	Uncompleted
9001	1	Lump Sum	$464,850.00	Uncompleted
9201	1	Lump Sum	$0.00	Completed
9001	1	Lump Sum	($464,850.00)	Uncompleted
9001	1	Lump Sum	$434,172.06	Uncompleted
3510	1	Lump Sum	($34,734.97)	Uncompleted
3510	1	Lump Sum	$43,984.00	Uncompleted

CRC Gross Cost	$399,437.09
Total 406 HMP Cost	$0.00
Total Insurance Reductions	$0.00
CRC Net Cost	$399,437.09
Federal Share (90.00%)	$359,493.39
Non-Federal Share (10.00%)	$39,943.70

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

10/8/2026

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, PR

5/7/2026

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 * [Priority Pole Replacement Program (Line 9800)] (Transmission) (HM Cost alignment version)**.

406 Mitigation

There is no additional mitigation information on **FAASt * [Priority Pole Replacement Program (Line 9800)] (Transmission) (HM Cost alignment version)**.

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.
- (ESA) Conditions: The below Conservation Measures are to be used in concert with the Puerto Rico and US Virgin Islands ESA Compliance Determination Matrix and shall serve as required project conditions to avoid and reduce adverse effects to threatened and endangered species when applied to FEMA grant projects. Reptiles Puerto Rican and Virgins Island Boas 1. Inform all personnel about the potential presence of the PR boa and the VI boa in areas where the proposed work will be conducted. Photographs of the PR and VI Boa are to be prominently displayed at the site. The recipient must ensure that project personnel is able to correctly identify a PR or VI boa. For information on PR boa, please visit: https://ecos.fws.gov/ecp/species/6628. 2. Prior to any construction activity, including removal of vegetation and earth movement, the boundaries of the project area must be delineated, buffer zones, and areas to be excluded and protected, should be clearly marked in the project plan and in the field to avoid further habitat degradation into forested areas. Once areas are clearly marked, and prior to any construction activity, including site preparation, project personnel able to correctly identify a PR or VI boa must survey the areas to be cleared to ensure that no boas are present within the work area. Vehicle and equipment operation must remain on designated access roads/paths and within rights-of way. 3. If a PR boa is found within any of the working or construction areas, activities should stop in the area where the boa was found. Do not capture the boa. If boas need to be moved out of harm's way, project personnel designated by the recipient shall immediately contact the Puerto Rico Department of Natural and Environmental Resources (PRDNER) Rangers for safe capture and relocation of the animal (PRDNER phone #s: 787-724-5700, 787-230-5550, 787-771-1124). If immediate relocation is not an option, project-related activities at this area must stop until the boa moves out of harm's way on its own. Activities at other work sites, where no boas have been found after surveying the area, may continue. 4. Measures should be taken to avoid and minimize PR boa casualties by heavy machinery or motor vehicles being used on site. Any heavy machinery left on site (staging) or near potential PR boa habitat (within 50 meters of potential boa habitat), needs to be thoroughly inspected each morning before work starts to ensure that no boas have sheltered within engine compartments or other areas of the equipment. If PR boas are found within vehicles or equipment, do not capture the animal and let it move on its own or call PRDNER Rangers for safe capture and relocation of the boa (PRDNER phone #s: 787-724-5700, 787-230-5550, 787-771-1124). If not possible, the animal should be left alone until it leaves the vehicle on its own. 5. PR boas may seek shelter in debris piles. Measures should be taken to avoid and minimize boa casualties associated with sheltering in debris piles as a result of project activities. Debris piles should be placed far away from forested areas. Prior to moving, disposing or shredding, debris piles should be carefully inspected for the presence of boas. If PR boas are, found within debris piles, do not capture the animal and let it move on its own or call PRDNER Rangers for safe capture and relocation of the animal. If debris piles will be left on site, we recommend they be placed in areas that will not be disturbed in the future.
- 6. For all boa sightings (dead or alive), personnel designated by the recipient must record the time and date of the sighting and the specific location

where the boa was found. Data should also include a photo of the animal dead or alive, and site GPS coordinates, and comments on how the animal was detected and its behavior. If the PR boa was accidentally killed as part of the project actions, please include information on what conservation measures had been implemented and what actions will be taken to avoid further killings. All boa-sighting reports should be sent to the USFWS Caribbean Ecological Services Field Office, Marelisa Rivera - Deputy Field Supervisor, 787-851-7297 extension 206, 787-510-5207, marelisa_rivera@fws.gov. The Applicant must provide documentation at close-out that proves completion of required Conservation Measures.

- (RCRA) Conditions: * 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. * If transformers: 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 to the requirements of the local and federal agencies. Noncompliance with these requirements may jeopardize receipt of federal funds.
- ***DISREGARD PREVIOUS CONDITIONS***
- ***DISREGARD PREVIOUS CONDITIONS***
- 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 * [Priority Pole Replacement Program (Line 9800)] (Transmission) (HM Cost alignment version)**.

Final Reviews

Final Review

Reviewed By LEFRANC-GARCIA, CARLOS L. **Reviewed On** 08/17/2026 8:15 PM PDT

Review Comments

Reviewed,found eligible and reasonable. CLG 08/17/26

Recipient Review

Reviewed By Mulero, Noel **Reviewed On** 08/20/2026 10:55 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

v2

General Info

Project #	668592 **P/W #** 10891	**Project Type**	Specialized
Project Category	F - Utilities	**Applicant**	PR Electric Power Authority (000-UA2QU-00)
Project Title	FAASt * [Priority Pole Replacement Program (Line 9800)] (Transmission) (HM Cost alignment version)	**Event**	4339DR-PR (4339DR)
		Declaration Date	9/20/2017
Project Size	Large	**Incident Start Date**	9/17/2017
Activity Completion Date	9/20/2027	**Incident End Date**	11/15/2017
Process Step	Obligated		

Damage Description and Dimensions

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

Damage #661239; FAASt Line 9800 Bayamon TC - Guaraguao Sect] (Transmission)

General Facility Information:

- **Facility Type:** Power generation, transmission, and distribution facilities
- **Facility:** Line 9800 Bayamon TC - Guaraguao Sect
- **Facility Description:** Structures along the line 9800 Bayamon TC - Guaraguao Sect. includes single wooden poles and single concrete structures. Part of this line is underground, but the rest of the line and all of its structures are accessible through roads and/or situated on private properties. Some vegetation management is needed along certain portions of the line.
- **Approx. Year Built:** 1980
- **Start GPS Latitude/Longitude:** 18.39819, -66.14077
- **End GPS Latitude/Longitude:** 18.37823, -66.14391

Final Scope

661239 **FAASt Line 9800 Bayamon TC - Guaraguao Sect] (Transmission)**

********** Version 2 **********

Version 2 has been created as an administrative amendment due to limitations in IFMIS (The Finance system), which cannot currently accommodate two separate accounting streams within a single transaction. This administrative amendment includes the hazard mitigation cost alignment that was pending in the previous version. Refer to document: Sub-FAAST Transactions - allocation process.pdf

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 may include § 406 hazard mitigation proposals ("HMPs"). The SOW defines the activities that will be performed using Public Assistance ("PA") funding.

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 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 Part
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 136271 – **Transmission Priority Pole Replacement Program Line 9800** under DR-4339-PR Public Assistance. The document provides a detailed description of the project, scope of Public Assistance "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 Public Assistance "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

LUMA determined that the five (5) poles identified in Section 7.0 of this DSOW were degraded during a high-level assessment. These five poles are

part of the 2.70 circuit miles of overhead transmission for 38kV Line 9800. This project will replace the five degraded poles through the Transmission Priority Pole Replacement Program on an expedited basis.

FACILITIES LIST

The following table identifies the start and end GPS coordinates of the 2.7 mile long 9800 segments from Bayamon TC to Guaraguao Sect.

Line Segment	Line Number	GPS Start	GPS End	Voltage (
Bayamon TC – Guaraguao Sect.	9800	[redacted]	[redacted]	38

The following table identifies the location of each pole to be replaced in this project.

Pole	FID	Lat	Long
1	11298397	[redacted]	
2	11298405		
3	11298410		
4	11298445		
5	1000414391		

PROJECT AREA MAP WITH BOUNDARIES OF CONSTRUCTION

For Figure 1 : TL9800 TC Map Pole Location pictures please see document labeled: *668592-DR4339PR DSOW Rev 1T pole 9800-6-03-04 11_36-1.pdf*

428 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 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** _____.

The obligated scope includes replacing transmission poles to reduce service interruptions to the transmission grid that could be caused by disaster-related damage. Project 668592 is necessary to maintain the continuity of Transmission Line 9800 - BAYAMON TC – GUARAGO SECT (TLine 9800) and mitigate the loss of service and potential damage from future storms or disasters.

- 5 structure replacements
- Bayamon TC – Guaragao Sect Structures Scope:
    - Remove five 60ft wood poles and install five 70ft galvanized steel S8 poles in the same location. Cross arms, insulators, and all associated hardware will also be replaced with the new structure.

This amendment updates the 428 scope of work, changing the specified pole from a 70-foot S8 tapered galvanized steel pole to a 70-foot round galvanized steel pole compliant with current codes and standards.

FID	Latitude	Longitude	Obligated Scope of Work	Amended 428 Scope of Work

11298397	[redacted]	[redacted]	▪ Remove and dispose of 60ft wood pole ▪ Remove and dispose of crossarms, insulators and pole hardware ▪ Install 70ft S8 galvanized 12-sided tapered steel pole ▪ Install new crossarms, insulators and pole hardware with new structure	▪ Remove and dispose of 60ft wood pole ▪ Remove and dispose of crossarms, insulators and pole hardware ▪ Replace with 70ft galvanized round steel pole ▪ Replace with new crossarms, insulators and pole hardware with new structure

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

DESCRIPTION OF PROPOSED WORK TO BE PERFORMED

1. Poles and components will be replaced per the design methodology and Project Design Criteria.
2. Bayamon TC – Guaraguao Sect. Structures Scopes:
   - Remove five 60ft wood poles and replace with five 70ft galvanized steel (round) poles in the same location. Cross arms, insulators and all associated hardware will also be replaced along with the new structure.

CODES & STANDARDS

Per FEMA's SOP, the locally adopted codes/standards and FEMA-approved industry standards used for this project are provided below:

1. Consensus-based codes, per FEMA (Public Assistance Alternative Procedures (Section 428) Guide for Permanent Work FEMA-4339-DR-PR February 2020).
2. 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.
3. FEMA Recovery Interim Policy FP-104-009-11 Version 2.1, Consensus-Based Codes, Specifications, and Standards for Public Assistance.
4. 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 (December 20, 2019)

406 HAZARD MITIGATION PROPOSAL

Refer to document: *668592-DR4339PR DSOW Rev 1T pole 9800-6-03-04 11_36-1.pdf*

406 HAZARD MITIGATION OPPORTUNITY

Refer to document: *668592-DR4339PR DSOW Rev 1T pole 9800-6-03-04 11_36-1.pdf*

406 SCOPE OF WORK

Refer to document: *668592-DR4339PR DSOW Rev 1T pole 9800-6-03-04 11_36-1.pdf*

COMMON EHP REVIEW INFORMATION

Refer to document: *668592-DR4339PR DSOW Rev 1T pole 9800-6-03-04 11_36-1.pdf*

PROJECT COST ESTIMATE (PCE)

The estimated costs (compliant with **Class 3 Accuracy +/-30%**) for completing 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 the referenced appendix/appendices.

COST ESTIMATE			
Cost Element	**428**	**406**	**PROJECT TOTAL**
PLANNING	**$ 30,814.73**	**$ 619.24**	**$ 31,433.97**
MANAGEMENT	**$ 21,692.18**	**$ 435.89**	**$ 22,128.07**

Transmission Priority Pole Replacements TL 9800, FAAST#: 668592	**$ 362,697.97**	**$ 7,308.08**	**$ 370,006.05**
COST TOTALS	**$ 434,172.06**	**$ 8,744.36**	**$ 442,916.42**
DEDUCTIONS	**TOTAL INSURANCE PROCEEDS RECEIVED**		**$ -**
	DE-OBLIGATION TO FAASt IF APPLICABLE?		**$ -**
FAASt ALLOCATIONS	FAAST PROJECT # 668592 - 428		$ 399,437.09
	FAAST PROJECT # 668592 - 406 HM		$ 8,744.36
	FAAST PROJECT # 668592 TOTAL:		**$ 408,181.45**
	FAASt A&E # 335168 - 428		$ 34,734.97
	FAASt A&E # 335168 - 406 HM		$ 698.02
	FAASt A&E # 335168 TOTAL		**$ 35,432.99**
	FAASt E&M #673691 - 428		$ -
	FAASt E&M #673691 - 406 HM		$ -
	FAASt E&M #673691 TOTAL		**$ -**

Refer to Appendix E - Detailed Cost Estimate

Work to be Completed (WTBC): $434,172.06

A&E Deduction (Global A&E FAASt 335168): - $34,734.97

Project Total: $399,437.09

VERSION SUMMARY OF KEY CHANGES:

V0: $420,866.00 **(WTBC, A&E Deduction)**

Change Requested: - $21,428.91

V1: $399,437.09

V2: Hazard Mitigation cost alignment.

ATTACHMENTS/APPENDICES

The following attachments and appendices are provided with this DSOW:

Item	Document Description or Filename
A	Approved Supplier List
B	General Arrangement
C	LUMA Waste Management Plan
D	Engineering Plans
E	LUMA Wildlife, Avian and Historical Protection Procedure #335
F	Consent to Federal Funding Letter - FEMA COR3
G	Detailed Cost Estimate - Line 9800 Feb-18-2026
H	PAPPG Appendix J - Cost E?ective Hazard Mitigation Measures
I	Line 9800 FEMA - EHP Checklist
J	Line 9800 Environmental Maps
K	Hazard Mitigation Narrative

Project Notes:

1. Refer to detailed SOW provided in document labeled: "668592-DR4339PR DSOW Rev 1T pole 9800-6-03-04 11_36-1.pdf"

2. For cost estimate detailed information please refer to document: "668592 DR4339PR-LPCE T-Pole Priority Replacement TL-9800 Rev Feb-18-2026 (FEMA)(1).xlsx".

3. This project is part of Donor FAASt 136271 – MEPA078 Puerto Rico Electrical Power Authority (PREPA) Island Wide FAASt Project.697.

4. Since in previous version the A&E 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 FAASt Project #335168, A&E, as shown in in the table above. The A&E project was obligated to track and account for costs associated with individual FAASt projects.

6. This version includes both 406 HMP and 428 PA costs, with one positive amount and the other negative. They cannot be processed in the same version, so two separate versions are required. Version 1 will obligate 428 funds, and Version 2 (amendment) will obligate 406/HM funds.

406 HMP Scope

Project number: 668592; FAASt [Transmission Priority Pole Replacements – Line 9800] (Transmission)

Damage: 661239; FAASt [Line 9800 Bayamon TC - Guaraguao Sect.]

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

Location: Bayamon, 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 from Hurricane Maria. The incident caused damage to the electrical system, such as 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).

The Method of Repair (MOR) included the replacement of the damaged critical distribution pole (wood), cross-arms, insulators, guy wires, and all associated hardware needed for the new structure. The facilities listed below are part of the 2.7 circuit miles of 38kV Overhead Transmission Line 9800 from Bayamon TC to Guaraguao Sect. segment. The Subrecipient determined that nine (5) poles were degraded during a high-level assessment. Given that, this project will replace the nine (5) degraded poles through the Transmission Priority Pole Replacement Program on an expedited basis.

In order to minimize the damages in a future event, the sub-recipient proposes as a mitigation measure to increase the strength of the poles by replacing it with a with new steel galvanized, 12-sided, tapered shaft distribution pole to mitigate future damage to the structure due to high wind (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 2021 PREPA Standard 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, reduce and/or eliminate future natural disaster damage, the subrecipient proposed the following mitigation measures:

Mitigation Measures *(Replacement)*

To avoid damage in a future event, the Subrecipient proposes as a mitigation measure to increase the strength of the poles by replacing it with a 12-sided, tapered shaft distribution pole to mitigate future damage to the structure due to high wind (160mph). 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 V5.

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

1. Bayamon TC to Guaraguao Sect.: o Replace five (5ea) 70ft round galvanized steel poles of 145mph windspeed resistance ASCE/SEI 48-19 with five **(5ea)** new 70ft 12-sided galvanized steel pole, tapered shaft distribution pole to increase the strength of the pole by increasing the wind tolerance by design to 160mph.

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Hazard Mitigation Proposal (HMP) Cost:

Total Net Hazard Mitigation Cost (Base Cost) = $ 7,014.90

+ HM (Subrecipient A&E, Management & General Conditions) = $ 1,729.46

Hazard Mitigation Total Cost = **$ 8,744.36**

Hazard Mitigation Proposal (HMP) Cost Distribution:

Equipment and Materials (E&M) = $ 0.0

Architecture and Engineering (A&E) = $ 698.02

Construction Cost = $8,046.34

Hazard Mitigation Total Cost = **$8,744.36**

-

HMP Cost-Effectiveness Calculations:

FEMA's Benefit-Cost Analysis, BCA, methodology evaluates the 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, Version 3.1, April 2018, Chapter 2, Section VII.C, page 98, considers mitigation measures to be cost-effective when they are demonstrated through an acceptable BCA using FEMA's BCA methodologies and have a resulting Benefit-Cost Ratio, or BCR, equal to or greater than 1.0.

For PREPA infrastructure under FEMA DR-4339-PR, FEMA developed an Island Wide Benefit Cost Analysis, or IWBCA, to evaluate cost-effectiveness at the electrical system level rather than through separate project-specific BCAs. The IWBCA characterizes the PREPA/LUMA system as a single project for mitigation purposes, focuses on system-wide resiliency, and supports the development of cost-effective mitigation projects while avoiding double counting, or duplication, of benefits. The IWBCA applies one BCA to the entire FAASt project and includes benefits based on future costs avoided from physical damage to infrastructure, costs related to the response and reconnection effort, and loss of function for electric service caused by the storm.

The IWBCA established a maximum potential mitigation benefit for the PREPA system of $7.6 billion. This figure represents the estimated total potential mitigation benefit with the highest confidence and was developed using the incurred costs of the PREPA FEMA Accelerated Award Strategy, FAASt, fixed cost estimate, FCE, the mission assignments used for the reconnection effort, and costs associated with loss of service. The IWBCA results were developed by the PA Mitigation team using the best available data and were further refined and concurred with by FEMA Region 2 PA Mitigation team members and FEMA HQ groups, including the Community Infrastructure Resilience, CIR, Branch and Disaster Implementation, DI, Branch. This maximum potential benefit must be tracked to ensure that the combined cost of all approved mitigation proposals does not exceed the maximum potential benefit.

The Hazard Mitigation Proposal, HMP, described herein has a total Hazard Mitigation cost of **[$8,744.36].** In accordance with FEMA's internal IWBCA benefit tracking, the maximum potential benefit remaining in the IWBCA is **[$4,989,168,395.47]**. The cost of this HMP, when combined with all other approved IWBCA-related proposals funded, does not exceed the remaining available IWBCA benefit. Therefore, this HMP is deemed cost-effective under the FEMA PAPPG Version 3.1, April 2018, Chapter 2, Section VII.C, BCA Rule, because the IWBCA demonstrates an acceptable BCA with a Benefit-Cost Ratio equal to or greater than 1.0.

For validation, reviewers should refer to the attached IWBCA Package, including the IWBCA narrative and backup documentation, which define the IWBCA methodology, inputs, and supporting calculations. Reviewers should also confirm that the project has been included in the current IWBCA benefit tracking record to verify that the total approved IWBCA-related mitigation costs remain below the maximum potential benefit and that no duplication of benefits has

occurred.

This Hazard Mitigation Proposal meets the eligible repair and restoration cost-effectiveness 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
3510	1	Lump Sum	($43,984.00)	Uncompleted
9001	1	Lump Sum	$464,850.00	Uncompleted
9201	1	Lump Sum	$0.00	Completed
9001	1	Lump Sum	($464,850.00)	Uncompleted
9001	1	Lump Sum	$434,172.06	Uncompleted
3510	1	Lump Sum	($34,734.97)	Uncompleted
3510	1	Lump Sum	$43,984.00	Uncompleted

CRC Gross Cost	$399,437.09
Total 406 HMP Cost	$8,744.36
Total Insurance Reductions	$0.00
CRC Net Cost	$408,181.45
Federal Share (90.00%)	$367,363.31
Non-Federal Share (10.00%)	$40,818.14

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.
- The Applicant certifies that all work claimed was or will be delivered in an impartial manner without discrimination as required by Title VI of the Civil Rights Act, Section 308 of the Stafford Act, 42 U.S.C. § 5151, and applicable provisions of laws and authorities prohibiting discrimination.
- The Applicant certifies that all impacts/damage claimed was a direct result of the Presidential declaration, was not pre-exisiting damage, and did not result from a lack of maintenance.
- The applicant certifies that all work claimed was required as a direct result of the major disaster declaration, is located within the designated area, and is the Applicant's legal responsibility.
- The applicant certifies that all costs claimed are reasonable and of a type recognized as ordinary and necessary for the type of work as required by 44 C.F.R. § 206.228 and 2 C.F.R. § 200.404.
- The applicant certifies that no work or costs claimed are covered by another funding source. 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 applicant acknowledges it is required to notify FEMA through the recipient if it receives assistance for the same work or costs from another Federal agency, insurance, or any other source and return any duplicated funds to FEMA.
- The applicant certifies that all facilities are being restored in accordance with all federal and SLTT code and standard requirements.
- The applicant acknowledges it must comply with EHP laws, regulations, and Executive Orders (EO), including but not limited to, the Endangered Species Act (ESA), National Environmental Policy Act (NEPA), and the National Historic Preservation Act (NHPA). The applicant must afford FEMA the opportunity to perform EHP reviews prior to starting any work that has potential to impact the environment or historic properties, including archaeological resources. If the applicant starts work prior to FEMA's completion of the EHP review, it jeopardizes PA funding for the entire project.
- The applicant acknowledges that under 2 C.F.R. Part 200, it must follow their documented procurement procedures, provided they conform to federal procurement and contracting requirements. The applicant certifies that it is using the most restrictive of either its own documented policies and procedures for procurement or federal procurement and contracting laws in accordance with 2 C.F.R. §§ 200.317 - 200.327. The Applicant is

following Environmental Protection Agency guidelines for procurement of recovered materials; and including all applicable required contract provisions.

- The applicant certifies that all information provided is true and correct. Upon submittal this project application becomes a legal document. The False Claims Act (31 U.S.C. §§ 3729-3733) prohibits the submission of false or fraudulent claims for payment to the federal government. It is a violation of federal law to intentionally make false statements or hide information when applying for Public Assistance. This can carry severe criminal and civil penalties including a fine of up to $250,000, imprisonment, or both (18 U.S.C. §§ 287, 1001, 1040, and 3571).
- The applicant acknowledges that it must obtain and maintain insurance coverage for all buildings, contents, equipment, and vehicles in an amount equal to or greater than the total cost, prior to any reductions as required by the Stafford Act § 311, 42 U.S.C. §5154, 44 C.F.R §§ 206.251 - 206.253, and in accordance with FEMA Policy 206-086-1 Public Assistance Policy on Insurance.

Insurance

Additional Information

10/8/2026

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, PR

5/7/2026

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 * [Priority Pole Replacement Program (Line 9800)] (Transmission) (HM Cost alignment version)**.

406 Mitigation

There is no additional mitigation information on **FAASt * [Priority Pole Replacement Program (Line 9800)] (Transmission) (HM Cost alignment version)**.

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.
- (ESA) Conditions: The below Conservation Measures are to be used in concert with the Puerto Rico and US Virgin Islands ESA Compliance Determination Matrix and shall serve as required project conditions to avoid and reduce adverse effects to threatened and endangered species when applied to FEMA grant projects. Reptiles Puerto Rican and Virgins Island Boas 1. Inform all personnel about the potential presence of the PR boa and the VI boa in areas where the proposed work will be conducted. Photographs of the PR and VI Boa are to be prominently displayed at the site. The recipient must ensure that project personnel is able to correctly identify a PR or VI boa. For information on PR boa, please visit: https://ecos.fws.gov/ecp/species/6628. 2. Prior to any construction activity, including removal of vegetation and earth movement, the boundaries of the project area must be delineated, buffer zones, and areas to be excluded and protected, should be clearly marked in the project plan and in the field to avoid further habitat degradation into forested areas. Once areas are clearly marked, and prior to any construction activity, including site preparation, project personnel able to correctly identify a PR or VI boa must survey the areas to be cleared to ensure that no boas are present within the work area. Vehicle and equipment operation must remain on designated access roads/paths and within rights-of way. 3. If a PR boa is found within any of the working or construction areas, activities should stop in the area where the boa was found. Do not capture the boa. If boas need to be moved out of harm's way, project personnel designated by the recipient shall immediately contact the Puerto Rico Department of Natural and Environmental Resources (PRDNER) Rangers for safe capture and relocation of the animal (PRDNER phone #s: 787-724-5700, 787-230-5550, 787-771-1124). If immediate relocation is not an option, project-related activities at this area must stop until the boa moves out of harm's way on its own. Activities at other work sites, where no boas have been found after surveying the area, may continue. 4. Measures should be taken to avoid and minimize PR boa casualties by heavy machinery or motor vehicles being used on site. Any heavy machinery left on site (staging) or near potential PR boa habitat (within 50 meters of potential boa habitat), needs to be thoroughly inspected each morning before work starts to ensure that no boas have sheltered within engine compartments or other areas of the equipment. If PR boas are found within vehicles or equipment, do not capture the animal and let it move on its own or call PRDNER Rangers for safe capture and relocation of the boa (PRDNER phone #s: 787-724-5700, 787-230-5550, 787-771-1124). If not possible, the animal should be left alone until it leaves the vehicle on its own. 5. PR boas may seek shelter in debris piles. Measures should be taken to avoid and minimize boa casualties associated with sheltering in debris piles as a result of project activities. Debris piles should be placed far away from forested areas. Prior to moving, disposing or shredding, debris piles should be carefully inspected for the presence of boas. If PR boas are, found within debris piles, do not capture the animal and let it move on its own or call PRDNER Rangers for safe capture and relocation of the animal. If debris piles will be left on site, we recommend they be placed in areas that will not be disturbed in the future.
- 6. For all boa sightings (dead or alive), personnel designated by the recipient must record the time and date of the sighting and the specific location where the boa was found. Data should also include a photo of the animal dead or alive, and site GPS coordinates, and comments on how the animal was detected and its behavior. If the PR boa was accidentally killed as part of the project actions, please include information on what conservation measures had been implemented and what actions will be taken to avoid further killings. All boa-sighting reports should be sent to the USFWS Caribbean Ecological Services Field Office, Marelisa Rivera - Deputy Field Supervisor, 787-851-7297 extension 206, 787-510-5207, marelisa_rivera@fws.gov. The Applicant must provide documentation at close-out that proves completion of required Conservation Measures.
- (RCRA) Conditions: * 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. * If transformers: 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 to the requirements of the local and federal agencies. Noncompliance with these requirements may jeopardize receipt of federal funds.
- ***DISREGARD PREVIOUS CONDITIONS***
- ***DISREGARD PREVIOUS CONDITIONS***
- On May 16, 2025, the Secretary of the U.S. Department of Energy (DOE) issued Order 202-25-2 (Order), pursuant to the authority vested in him by section 202(c) of the Federal Power Act (FPA), 16 U.S.C. § 824a(c), and section 301(b) of the Department of Energy Organization Act, 42 U.S.C. § 7151(b). The Order sought to expedite repair and maintenance efforts to the electrical grid of Puerto Rico by directing the Puerto Rico Electric Power Authority (PREPA) to perform vegetation management, including vegetation clearing to reestablish a right-of-way, for particular transmission and distribution facilities in the Territory as specified in the Order. The Order required PREPA to identify certain parameters by which the directed work would be performed, and required that all work be performed, to the maximum extent practicable, in a manner consistent with all applicable Federal, State, or local environmental laws or regulations and minimize any adverse environmental impacts. However, pursuant to Section 202(c)(3) of the FPA, to the extent any omission or action taken by PREPA that was necessary to comply with the Order, including any omission or action taken to voluntarily comply with the Order, caused PREPA to not comply with any Federal, State, or local environmental law or regulation, including any environmental conditions in this REC's "Standard Conditions," such omission or action shall not be considered a violation of such environmental law or regulation, or subject PREPA to any requirement, civil or criminal liability, or citizen suit under such environmental law or regulation. On August 15, 2025, DOE reissued the Order to direct PREPA to also perform asset management, including component refurbishment and replacement. To renew/reissue the Order, DOE was required to consult with the primary Federal agency with expertise in the environmental interest protected by such

law or regulation and include in the Order conditions necessary to minimize any adverse environmental impacts to the extent practicable. Pursuant to Section 202(c)(4)(B) of the FPA, DOE provided the relevant agencies the opportunity to submit conditions for worked performed under the Order, to be included in the Order. According to DOE, no conditions were submitted by the agencies for inclusion in the Order. On November 12, 2025, DOE reissued the Order to direct PREPA to also perform asset management, including component refurbishment and replacement. DOE and FEMA have agreed that DOE is the lead agency for activities that fall under the prior and any future DOE 202(c) orders issued under the Federal Power Act to resolve the current and related emergencies in Puerto Rico. FEMA has requested that DOE provide FEMA with all documentation relating to their EHP compliance. FEMA will review and incorporate all available information and data for this project pertaining to applicable environmental laws and regulations into this REC when it is received from DOE. On February 10, 2026, and again on May 7, 2026, DOE reissued the Order to direct PREPA to perform vegetation management, including vegetation clearing to re-establish the right-of-way, and asset management, including component refurbishment and replacement, to ensure operational availability of the transmission and distribution facilities. On August 07, 2026, DOE reissued the Order to direct PREPA to perform vegetation management, including vegetation clearing to re-establish the right-of-way, and asset management, including component refurbishment and replacement, to ensure operational availability of the transmission and distribution facilities.

- 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 * [Priority Pole Replacement Program (Line 9800)] (Transmission) (HM Cost alignment version)**.

Final Reviews

Final Review

Reviewed By LEFRANC-GARCIA, CARLOS L. **Reviewed On** 10/19/2026 1:34 PM PDT

Review Comments

Version 2 contemplates $7,869.92, (federal share) of only HM Cost Alignment for Priority Pole Replacement Program (Line 9800)] (Transmission).

Recipient Review

Reviewed By Mulero, Noel **Reviewed On** 10/22/2026 5:38 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. This project applies to the Department of Energy's executive order. This means that DOE 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 $408,181.45 for subaward number 10891 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
0	Eligible	Awarded	PA-02-PR-4339-PW-10891(12473)	$420,866.00	90%	$378,779.40	9/15/2022

Drawdown History

EMMIE Drawdown Status As of Date	IFMIS Obligation #	Expenditure Number	Expended Date	Expended Amount
1/30/2024	4339DRPRP00108911	2017311M-01292024	1/26/2024	$94,694.85
7/27/2026	4339DRPRP00108911	2017311M-07232026	7/22/2026	$98,000.55
7/29/2026	4339DRPRP00108911	2017311M-07282026	7/27/2026	($98,000.55)
8/18/2026	4339DRPRP00108911	2017311M-08172026	8/14/2026	$89,070.81

Obligation History

Version #	Date Obligated	Obligated Cost	Cost Share	IFMIS Status	IFMIS Obligation #
2	10/28/2026	$7,869.92	90%	Accepted	4339DRPRP00108911
0	9/15/2022	$378,779.40	90%	Accepted	4339DRPRP00108911
1	9/12/2026	($19,286.01)	90%	Accepted	4339DRPRP00108911