

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

NEPR Received: May 26, 2026 6:38 PM
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IN RE:

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

CASE NO. NEPR-MI-2021-0002

**SUBJECT: Motion Submitting One Initial Scope
of Work, Request for Confidentiality, Supporting
Memorandum of Law and Request for Expedited
Approval**

**MOTION SUBMITTING ONE INITIAL SCOPE OF WORK, REQUEST FOR
CONFIDENTIALITY, SUPPORTING MEMORANDUM OF LAW,
AND REQUEST FOR EXPEDITED APPROVAL**

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, respectfully submits the following:

I. Submittal of Scope of Work and Request for Confidentiality

1. On March 26, 2021, this Puerto Rico Energy Bureau (“Energy Bureau”) issued a Resolution and Order in the instant proceeding (the “March 26th Order”), ordering—in pertinent part—that the Puerto Rico Electric Power Authority (“PREPA”) submit to the Energy Bureau the specific 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. *See* March 26 Order on pages 18-19. The Energy Bureau thereafter determined that this directive should be applied to both PREPA and LUMA. *See* Resolution and Order of August 20, 2021 (“August 20 Order”) on page 3.

2. Consequently, LUMA has submitted several Transmission and Distribution projects (“T&D Projects”) to this Energy Bureau for a total of 265 SOWs and five Area Plans to

Date. The Energy Bureau has approved all the SOWs and Area Plans submitted by LUMA as of April 22, 2026.

3. In accordance with the March 26th Order issued in this proceeding, LUMA hereby submits to the Energy Bureau one (1) Initial SOW for the T&D Project for this Energy Bureau’s review and approval prior to submittal to COR3 and FEMA in thirty (30) days for the following project: “Line 8700 Costa Sur Power Plant to Garzas 2 HP – Garzas 1 HP.”¹

4. Section 428 of the Robert T. Stafford Disaster Relief and Emergency Assistance Act (known as the “Stafford Act”), administered by FEMA, provides funding through grants to states, local, tribal, and territorial governments through its Public Assistance Program to help communities respond to and recover from major disasters. LUMA has presented and received approval from the Energy Bureau for 265 initial SOWs for Section 428 projects as of this date. The Energy Bureau’s approval of these Initial SOWs allows LUMA to engage with COR3 and federal agencies to seek different federal funding sources. These include FEMA Hazard Mitigation funding under Section 406 of the Stafford Act. Section 406 provides FEMA with discretionary authority to fund mitigation measures and repair disaster-damaged facilities. The application for and determination of Section 406 funding is part of the preliminary design phase for projects approved by the Energy Bureau and the assignment of FAASt numbers by FEMA to award Section 428 funding. At the time of submission of the Initial SOWs to the Energy Bureau, it is unknown whether, and in what amounts, funding under Section 406 will be available. LUMA develops proposals for additional hazard mitigation measures consistent with the damages. The proposals

¹ The “Line 8700 Costa Sur Power Plant to Garzas 2 HP – Garzas 1 HP” T&D Project is part of LUMA’s proposed Attachment A projects. See, Exhibit 2 of the *Motion Submitting LUMA’s Adjusted Consolidated List, Proposed Attachment A, and Attachment B (Streetlights Projects)*, filed on May 14, 2026. This motion is pending before this Honorable Energy Bureau and seeks, among other things, approval of the proposed Attachment A to immediately reactivate and formulate the projects outlined therein.

are reviewed and approved by FEMA and COR3. LUMA's efforts to add mitigation measures under Section 406 comply with the Energy Bureau directives and are consistent with LUMA's commitment to pursue federal funding from all potential sources, maximize available funds, and efficiently execute proposed projects.

5. This SOW for Line 8700 Costa Sur Power Plant – Garzas 2HP – Garzas 1HP will consist of repairing, restoring, or replacing damaged elements and functionally interdependent non-damaged elements of the overhead portions of the line as allowed by the FEMA Public Assistance Alternative Procedures (Section 428). Transmission structures may need to be replaced to meet applicable codes and standards. The transmission lines will undergo modeling and analysis to validate design criteria, including electrical clearances and mechanical loading requirements. The engineering team will perform field assessments of overhead facilities, and document damages assets to be repaired or replaced. The result of these assessments will be used to define the SOW. Field surveys to locate existing alignment and property boundaries, and geotechnical investigations may also be performed to assist in the scoping efforts. *See Exhibit 1* of this Motion, pp. 5-6.

6. LUMA is requesting that the Energy Bureau consider and expedite approval of the “Line 8700 Costa Sur Power Plant to Garzas 2 HP – Garzas 1 HP” T&D Project.

7. LUMA hereby requests that *Exhibit 1* be maintained confidential. LUMA is submitting a redacted version for public disclosure, and an unredacted non-public version under seal of confidentiality.

8. LUMA submits a Memorandum of Law stating the legal basis for which the unredacted version of *Exhibit 1* should be filed under seal of confidentiality. As explained below, the unredacted version of the SOW in *Exhibit 1* should be protected from public disclosure as these

documents contain confidential information associated with Critical Energy Infrastructure Information (“CEII”) as defined in federal regulations, 18 C.F.R. §388.113; 6 U.S.C. §§ 671-674, and per the Energy Bureau’s Policy on Management of Confidential Information (the “SOW with CEII”). *See* Energy Bureau’s Policy on Management of Confidential Information, CEPR-MI-2016-0009 (“Policy on Management of Confidential Information”), issued on August 31, 2016, as amended by the Resolution dated September 20, 2016.

9. In addition, the SOW includes personal identifying information of individuals who are LUMA staff or contractors protected under Puerto Rico’s legal framework on privacy emanating from the Puerto Rico Constitution and should also be protected pursuant to the Energy Bureau’s Policy on Management of Confidential Information.

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 LPRC §1054n. 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 need 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 Puerto Rico Rules of Evidence.

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 supporting the request to file the 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 identifying the confidential information, a summary of the legal basis for the confidential designation, and an explanation of why each claim or designation conforms to the applicable legal basis for 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 regarding access to validated Trade Secret Information and CEII:

1. Trade Secret Information

Any document designated by the [Energy Bureau] as Validated Confidential Information because it is a trade secret under Act 80-2011 may only be accessed by the Producing Party and the [Energy Bureau], unless otherwise set forth by the [Energy Bureau] or any competent court.

2. 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. § D (on Access to Validated Confidential Information).

15. Energy Bureau 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. The SOW with CEII in *Exhibit 1* contains portions of CEII that, under relevant federal law and regulations, are protected from public disclosure. LUMA stresses that the SOW 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. In several proceedings, this Energy Bureau has considered and granted requests by PREPA to submit CEII under seal of confidentiality.² In at least two proceedings on Data Security³ and Physical Security,⁴ this Energy Bureau has, *motu proprio*, conducted them confidentially, thereby recognizing the need to protect CEII from public disclosure.

17. Additionally, this Energy Bureau has granted requests by LUMA to protect CEII in connection with LUMA's System Operation Principles. *See* Resolution and Order of May 3, 2021, table 2 on page 4, Case No. NEPR-MI-2021-0001 (granting protection to CEII included in LUMA's Responses to Requests for Information). Similarly, in the proceedings on LUMA's

² *See, e.g., In re Review of LUMA's System Operation Principles*, NEPR-MI-2021-0001 (Resolution and Order of May 3, 2021); *In re Review of the Puerto Rico Power Authority's System Remediation Plan*, NEPR-MI-2020-0019 (order of April 23, 2021); *In re Review of LUMA's Initial Budgets*, NEPR-MI-2021-0004 (order of April 21, 2021); *In re Implementation of Puerto Rico Electric Power Authority Integrated Resource Plan and Modified Action Plan*, NEPR MI 2020-0012 (Resolution of January 7, 2021, granting partial confidential designation of information submitted by PREPA as CEII); *In re Optimization Proceeding of Minigrad Transmission and Distribution Investments*, NEPR MI 2020-0016 (where PREPA filed documents under seal of confidentiality invoking, among others, that a filing included confidential information and CEII); *In re Review of the Puerto Rico Electric Power Authority Integrated Resource Plan*, CEPR-AP-2018-0001 (Resolution and Order of July 3, 2019 granting confidential designated and request made by PREPA that included trade secrets and CEII) *but see* Resolution and Order of February 12, 2021 reversing in part, grant of confidential designation).

³ *In re Review of the Puerto Rico Electric Power Authority Data Security Plan*, NEPR-MI-2020-0017.

⁴ *In re Review of the Puerto Rico Electric Power Authority Physical Security Plan*, NEPR-MI-2020-0018.

proposed Initial Budgets and System Remediation Plan, this Energy Bureau granted confidential designation to several portions of LUMA's Initial Budgets and Responses to Requests for Information. *See* Resolution and Order of April 22, 2021, on Initial Budgets, table 2 on pages 3-4, and Resolution and Order of April 22, 2021, on Responses to Requests for Information, table 2 on pages 8-10, Case No. NEPR-MI-2021-0004; Resolution and Order of April 23, 2021, on Confidential Designation of Portions of LUMA's System Remediation Plan, table 2 on page 5, and Resolution and Order of May 6, 2021, on Confidential Designation of Portions of LUMA's Responses to Requests for Information on System Remediation Plan, table 2 at pages 7-9, Case No. NEPR-MI-2020-0019.

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

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

- (i) Relates details about the production, generation, transportation, transmission, or distribution of energy;
- (ii) Could be useful to a person in planning an attack on critical infrastructure;
- (iii) Is exempt from mandatory disclosure under the Freedom of Information Act, 5 U.S.C. § 552; and
- (iv) Does not simply give the general location of the critical infrastructure.

Id.

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
- (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.

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 SOW with CEII qualify as CEII because it contains express coordinates to power transmission and distribution facilities (18 C.F.R. § 388.113(iv)). These specific coordinates could potentially be helpful to a person planning an attack on this or other energy infrastructure facilities interconnected with or served by these facilities and equipment. The information identified as confidential in this paragraph is not common knowledge and is not made publicly available. Therefore, it is respectfully submitted that, on balance, the public interest in protecting CEII weighs in favor of protecting the relevant portions of the SOW with CEII in *Exhibit 1* from disclosure, given the nature and scope of the details included in those portions.

23. Based on the above, LUMA respectfully submits that the SOW with CEII should be designated as CEII. This designation is a reasonable and necessary measure to protect the specific location and other engineering and design information of the energy facilities listed or discussed 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 maintained confidentially to safeguard their integrity and protect them from external threats.

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.

24. In addition, portions of the Initial SOW in *Exhibit I* contain the name, signature, and role of three LUMA employees, who reviewed the SOW as part of LUMA's internal review and approval of each document. LUMA respectfully requests that information on the names, signatures, and roles of these individuals be kept confidential, given that these details reveal their employment duties, and that their protection is in the public interest and aligned with Puerto Rico's legal framework on privacy, which protects personal information from disclosure. *See, e.g.*, Const. ELA, Art. II, Sections 8 and 10, which protect the right to control personal information and distinctive traits, which apply *ex proprio vigore* and against private parties. *See also, e.g., Vigoreaux v. Quiznos*, 173 D.P.R. 254, 262 (2008); *Bonilla Medina v. P.N.P.*, 140 D.P.R. 294, 310-11 (1996), *Pueblo v. Torres Albertorio*, 115 D.P.R. 128, 133-34 (1984). *See also* Act 122-2019, Article 4(vi) (which provides, as an exception to the rule on public disclosure, information the disclosure of which could invade the privacy of third parties or affect their fundamental rights); and Article 3(c) of Act 122-2019 (stating that personnel files and similar information is not public information subject to disclosure). It is respectfully submitted that the redaction of the aforementioned information does not affect the public's or the Energy Bureau's review of the SOW nor interfere with processes before this Energy Bureau. Therefore, on balance, the public interest in protecting privacy weighs in favor of protecting the relevant portions of the SOW.

C. Identification of Confidential Information

25. In compliance with the Energy Bureau's Policy on Management of Confidential Information, CEPR-MI-2016-0009, below, find a table summarizing the hallmarks of this request for confidential treatment.

Document	Name	Pages in which Confidential Information is Found, if applicable	Summary of Legal Basis for Confidentiality Protection, if applicable	Date Filed
Exhibit 1	FEMA Project Scope of Work for “Line 8700 Costa Sur Power Plant to Garzas 2 HP – Garzas 1 HP	Pages 1, 4	Right to privacy (<i>see, e.g.</i> , Const. ELA, Art. II, Sections 8 and 10)	May 22, 2026
		Page 5	Critical Energy Infrastructure Information, 18 C.F.R. § 388.113; 6 U.S.C. §§ 671-674.	May 22, 2026

WHEREFORE, LUMA respectfully requests that the Energy Bureau **take notice** of the aforementioned; **expeditiously approve** the Initial SOW for the T&D Project submitted as *Exhibit 1* to this Motion; and **grant** the request for confidential treatment of *Exhibit 1*.

RESPECTFULLY SUBMITTED.

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

In Guaynabo, Puerto Rico, on this 26th day of May 2026.



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Exhibit 1

FEMA Project Initial Scope of Work for “Line 8700 Costa Sur
Power Plant to Garzas 2 HP – Garzas 1 HP”

Redacted Version (Unredacted Version Submitted Under Seal of Confidentiality)

	Document Title: Line 8700 Costa Sur Power Plant – Garzas 1HP – Garzas 2HP FEMA Project Scope of Work (Initial)	LUMA Project ID:
		DR-4339-PR Public Assistance

FEMA Project Scope of Work (Initial)


Project Name:
Line 8700 Costa Sur Power Plant to Garzas 2
HP – Garzas 1 HP

Revision: 0

APPROVALS

The signatures below formally approve the FEMA Project Scope of Work.

Program Brief Management Leadership (PBML)		
Program Brief Owner	Signature	Date
[Redacted]	[Redacted]	05/22/2026
Grants Manager	Signature	Date
[Redacted]	[Redacted]	05/22/2026

	Document Title: Line 8700 Costa Sur Power Plant – Garzas 1HP – Garzas 2HP FEMA Project Scope of Work (Initial)	LUMA Project ID:
		DR-4339-PR Public Assistance

DOCUMENT REVISION HISTORY

This table contains the history of the revisions made to this FEMA Project Scope of Work.

Rev.	Effective Date	Description of Change
0	05/22/26	Initial Release


	Document Title: Line 8700 Costa Sur Power Plant – Garzas 1HP – Garzas 2HP FEMA Project Scope of Work (Initial)	LUMA Project ID:
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1.0 OVERVIEW


Project Name:	Line 8700 Costa Sur Power Plant – Garzas 2HP – Garzas 1HP
Project type:	Restoration to Codes/Standards: Restores the facility(s) to pre-disaster function and to approved
Region:	Ponce
Program Brief Owner:	██████████
Project Sponsor:	██████████
Damage Number:	206253
Damaged Inventory/Asset Category:	Island Wide Transmission Line System
FEMA Project Number:	#####

2.0 INTRODUCTION

The purpose of this document is to present a Project Scope of Work (SOW) with cost estimates, potential Environmental & Historical (EHP) Preservation impacts and proposed 406 hazard mitigation work to COR3 and FEMA for project status under DR-4339-PR Public Assistance. The completed document will be reviewed by COR3 and FEMA to create and version a specific project worksheet and post-fixed-cost estimates to repair, restore, or replace eligible facilities, including Section 406 hazard mitigation for a specific project.

LUMA Energy provides the Operations and Maintenance of the electric service to the entire island of Puerto Rico. Puerto Rico Electric Power Authority (PREPA) is the agency that owns the facilities, sites, and systems identified in this Scope of Work that are eligible as critical services facilities as defined in the Public Assistance Alternative Procedures (PAAP) (Section 428) and Bipartisan Budget Act (BBA) 2018 guidance documents.

This document will be updated with information developed during the initial design and engineering phase through the construction phase. If preliminary architectural and engineering work has not been completed, the type of work designation is considered initial and is based on currently available information. A Detailed Scope of Work will be submitted for continued advancing work.

	Document Title: Line 8700 Costa Sur Power Plant – Garzas 1HP – Garzas 2HP FEMA Project Scope of Work (Initial)	LUMA Project ID:
		DR-4339-PR Public Assistance

3.0 FACILITIES

3.1 Facilities Description

The specific facilities included in this project are structures (including their foundations), framing and insulators, load break switches (manual and automated), conductors, guy wires, anchoring, grounding assemblies, and any other associated components.

Most of the construction along this line segment consists of wood pole guyed structures, with some interspersed self-supporting steel and concrete poles. This line primarily traverses forested and urban areas between the Costa Sur Power Plant – Garzas 2HP – Garzas 1HP.

3.2 Facilities List

The facilities listed below are Line 8700 consisting of a 7.7-mile circuit of 38 kV overhead transmission line between Costa Sur Power Plant, Garzas 2 HP and Garzas 1HP substation. This line is a Near-Term priority identified by LUMA.


Name	Number	GPS Start	GPS End	Voltage (kV)
Costa Sur Power Plant - Garzas 1HP	8700	██████████	██████████	38
Garzas 1HP – Garzas 2HP	8700	██████████	██████████	38

4.0 PROJECT SCOPE OF WORK

The scope of work for Line 8700 Costa Sur Power Plant – Garzas 2HP – Garzas 1HP will consist of repairing, restoring, or replacing damaged elements and functionally interdependent non-damaged elements of the overhead portions of the line as allowed by FEMA Public Assistance Alternative Procedures (Section 428).

Transmission structures may need to be replaced in certain circumstances to meet applicable codes and standards. The transmission lines will undergo modeling and analysis to validate design criteria, including electrical clearances and mechanical loading requirements. The engineering team will perform field assessments of overhead facilities, and document damaged assets to be repaired or replaced. The results of these detailed assessments will be used to define the scope of work. Field surveys to locate existing alignment and property boundaries and geotechnical investigations may also be performed to assist in the scoping efforts.

The repair or replacement of a transmission structure and components may include replacing insulators with polymer type; repairing, replacing, or adding guy wires; repairing or replacing anchors, structure connections, structure foundations, or portions of the foundations; restoring the

	Document Title: Line 8700 Costa Sur Power Plant – Garzas 1HP – Garzas 2HP FEMA Project Scope of Work (Initial)	LUMA Project ID:
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integral ground of the structure and overhead ground conductor; restoring communications associated with the transmission line; replacing conductor spans when broken with splices, bird cages, pitting, burns, kinks, or stretched conductors; repairing or adding vibration and/or drag dampers or armor rods; and other repairs necessary to conform with codes and standards based upon engineering design specifications and requirements.

Vegetation removal will be considered part of the scope of work to comply with codes and standards and allow for construction access. The scope of vegetation removal will be defined during the preliminary engineering phase.

The preliminary engineering phase may also dictate a need for soil boring or testing to evaluate suitability for the installation of structures/poles or underground cable systems. Facilities will remain along their existing route and within the right-of-way when possible.


Scope of Work Assumptions

In order to develop the Class 5 estimate and Initial Scope of Work, the following assumptions were made:

1. The project scope to be FEMA-funded is based on a full rebuild of TL8700
2. The full TL8700 rebuild will begin at Costa Sur TC Breaker No. 8720 and continue through Garzas 1. The rebuild includes approximately 60 structures to be replaced
3. The new conductor will be 556.5 ACSS, with OPGW to be installed as part of the rebuild
4. Breaker replacements are assumed at Costa Sur TC (1 breaker), Garzas 2 (2 breakers), and Garzas 1 (1 breaker), for a total of four breaker replacements
5. In addition to the replacement of structures, breakers, conductors, and OPGW, the scope is assumed to include the replacement of miscellaneous associated components, including GOAB switches and substation protection equipment
6. This rebuild and connection to the Hydro Plant will create a possibility for a Black Start capability for the Costa Sur Power Plant
7. As discussed with PREPA, TL1100 is assumed to remain unused following the TL8700 rebuild, since the rebuilt TL8700 will provide a more robust connection between Costa Sur TC, Garzas 1, and Garzas 2

5.0 TYPE OF PROJECT

1. **Restoration to Codes/Standards:** Restores the facility(s) to pre-disaster function and to approved codes/standards.
2. **Improved Project:** Restores the pre-disaster function of the facility(s) and incorporates improvements, including any:
 - a. Other improvements, not required by codes and standards.
 - b. Changes in facility size, capacity, dimension, or footprint.
3. **Alternate Project:** Does not restore the pre-disaster function of the damaged facility(s).


	Document Title: Line 8700 Costa Sur Power Plant – Garzas 1HP – Garzas 2HP FEMA Project Scope of Work (Initial)	LUMA Project ID:
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Choose One (Restoration, Improved or Alternate)

Restoration to Codes/Standards: Restores the facility(s) to pre-disaster function and to approved

This work will follow FEMA (Public Assistance Alternative Procedures (Section 428) Guide for Permanent Work FEMA-4339-DR-PR February 2020).

Note: If preliminary A&E work has not been completed, the type of work designation is considered initial and is based on currently available information. The type of work designation may be revised based on the completed preliminary A&E work results.

	Document Title: Line 8700 Costa Sur Power Plant – Garzas 1HP – Garzas 2HP FEMA Project Scope of Work (Initial)	LUMA Project ID:
		DR-4339-PR Public Assistance

6.0 PRELIMINARY ENGINEERING

Is architectural and engineering (A&E) funding required to help define the intended scope of work?

Yes, architectural and engineering funding required to help define the intended scope of work

7.0 CODES AND STANDARDS

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


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 (BBA) 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) aggregates the design considerations of the vast majority of the consensus-based codes, specifications, and standards listed in FEMA Recovery Interim Policy 104-009-11 Version 2.1 (December 20, 2019).

Codes, Specifications, and Standards

Yes, applicable codes and standards will be identified and incorporated into the plans and specifications.

Industry Standards

Yes: applicable industry standards will be identified and incorporated into the plans and specifications.

	Document Title: Line 8700 Costa Sur Power Plant – Garzas 1HP – Garzas 2HP FEMA Project Scope of Work (Initial)	LUMA Project ID:
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8.0 COST ESTIMATE

Cost estimates to complete this work have been prepared in conformance with class 5 accuracy, which is between -50% and +100% of the final project cost. The estimate includes and is not limited to materials, construction labor and equipment, engineering, management, and contingencies.

Estimated Budget for Architectural & Engineering Design:	\$4,873,900.00
Estimated Budget for Procurement & Construction:	\$31,681,262.15
Estimated Overall Budget for the Project:	\$36,555,162.15

9.0 406 HAZARD MITIGATION PROPOSAL

9.1 406 Mitigation Opportunity Scope of Work

During the preliminary design phase, LUMA will develop 406 Hazard Mitigation proposals consistent with the damages. These proposals will be supported by BCAs.

9.2 406 Mitigation Opportunity Cost Estimate

Estimated Budget for Architectural & Engineering to Design:	Unknown at this time
Estimated Budget for Procurement:	Unknown at this time
Estimated Budget for Construction:	Unknown at this time
Estimated Overall Budget for the Project:	Unknown at this time

Note: Detailed engineering cost estimates will be included as an attachment if available.

10.0 ENVIRONMENTAL & HISTORIC PRESERVATION REQUIREMENTS

EHP considerations will be identified and evaluated during the preliminary design phase and submitted to FEMA for review. Requirements will be incorporated into the final design and construction documents, which must be approved by FEMA before construction activities.

END OF DOCUMENT