

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

NEPR
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IN RE:

REVIEW OF THE PUERTO RICO
ELECTRIC POWER AUTHORITY'S
SYSTEM REMEDIATION PLAN

CASE NO.: NEPR-MI-2020-0019

SUBJECT: Procurement Plan for Preliminary
Engineering Services.

**MOTION SUBMITTING PROCUREMENT PLAN FOR PRELIMINARY
ENGINEERING SERVICES IN COMPLIANCE WITH JUNE 23rd RESOLUTION AND
ORDER APPROVING LUMA'S SYSTEM REMEDIATION PLAN**

TO THE HONORABLE PUERTO RICO ENERGY BUREAU:

COME NOW LUMA Energy, LLC ("ManagementCo"), and **LUMA Energy ServCo, LLC** ("ServCo"), (jointly referred to as "LUMA"), and respectfully state and request the following:

1. On June 23, 2021, this honorable Bureau issued a Resolution and Order approving LUMA's proposed System Remediation Plan ("SRP") ("June 23rd Order").
2. At page 24 of the June 23rd Order, the Energy Bureau stated that on or before July 15, 2021, LUMA shall file the procurement plans for field inspections and shall include "a detailed timeline and implementation work to complete these long overdue field inspections and a detailed description of the funding source."
3. In compliance with the June 23rd Order, LUMA respectfully submits the Procurement Plan for Preliminary Engineering Services inclusive of the GIS field survey and the powerline inspections. LUMA developed a consolidated procurement process and timeline that includes procurement for inspections of the health of the assets of the Transmission and Distribution System ("T&D System") and for the T&D System Field Inventory required by the Energy Bureau in Case Number NEPR-MI-2019-0011 (procurement plan for

Preliminary Engineering Services for the Transmission and Distribution System”). *See* Exhibit 1.

WHEREFORE, LUMA respectfully requests that the Bureau **take notice** of the aforementioned and **deem** that LUMA complied with that part of the June 23rd Order that required LUMA to file the procurement plan for the Distribution Lines Inspection Program.

RESPECTFULLY SUBMITTED.

In San Juan, Puerto Rico, this 15th day of July 2021.

I hereby certify that I filed this motion using the electronic filing system of this Energy Bureau and that I will send an electronic copy of this motion to the attorneys for PREPA, Joannely Marrero-Cruz, jmarrero@diazvaz.law; and Katuska Bolaños-Lugo, kbolanos@diazvaz.law.



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Exhibit 1



Procurement Plan for Preliminary Engineering Services

NEPR-MI-2020-0019

July 15, 2021

1.0 Introduction

After reviewing the scope for the geographic information system (GIS) field survey and the powerline inspections to measure the health of all assets, it became apparent that there were efficiencies to be gained by combining the two scopes into one procurement and reduce the need for multiple site visits to complete engineering services. The two scopes of work have been combined under the procurement plan for Preliminary Engineering Services for the Transmission and Distribution System.

Once completed, these engineering services will allow LUMA to properly identify which assets should be prioritized for recovery and which have been addressed satisfactorily from emergency work reimbursed by the Federal Emergency Management Agency (FEMA) such that duplication can be avoided. Further, this work will serve as the preliminary engineering information needed for federally funded projects while also achieving long-term savings as opposed to addressing each recovery project through a separate architectural and engineering (A&E) contract.

The engineering services obtained as part of this procurement will support completion of Orders 2 and 3 required as part of the resolution and order dated December 3, 2020 within case number NEPR-MI-2019-0011 regarding integrated distribution planning. The items identified in this procurement to satisfy Order 2 include updating the power flow model in Synergi which will aid in the publication of distribution feeder mapping and associated hosting capacity for distributed generation. The items identified in this procurement to satisfy Order 3 include providing an updated and reliable distribution feeder model that will be established in the GIS mapping.

2.0 Proposed Detailed Procurement and Execution Timeline

LUMA is finalizing the scope of work and qualifications for suppliers to support the timely issuance of a Request for Proposal (RFP) by August 10, 2021, to support initial mobilization on November 30, 2021. These and other proposed key milestones are provided in the detailed timeline below:

Milestone / Activity	Start Date	End Date
Development and Issuance of RFP	6/11/2021	8/9/2021
Bid Process Out to Public	8/10/2021	9/20/2021
Evaluation & Contractor Selection	9/21/2021	10/18/2021
Contract Negotiation	10/19/2021	11/1/2021
FOMB Approval	11/2/2021	11/22/2021
Contract Signing	11/23/2021	11/29/2021
Mobilization & Safety Training	11/30/2021	1/2/2022
Execution of Field Inventory and Health Assessment	1/3/2022	12/31/2024
Data Entry (Collected Data)	1/3/2022	1/30/2025
Close Out	1/30/2025	3/12/2025

3.0 Preliminary Implementation Work Scope

PRELIMINARY ENGINEERING ACTIVITIES

As part of the pre-construction activities that define this procurement, LUMA seeks contractors to perform a range of preliminary engineering activities to assure the efficient and effective deployment of engineering and construction resources in restoring the system and improving its resiliency in line with current codes and standards, including:

- Assessing the condition of transmission lines, and distribution feeders' assets
- Identifying and providing information to assist in the prioritization and staging of repair and replacement interventions
- Capturing this information in data repositories, including GIS, to support the modeling, planning and design activities necessary to carry out transmission and distribution infrastructure rehabilitation, replacement and upgrades
- Capturing equipment information to improve system reliability for reducing the impact of a power outage
- Validating distribution feeder layout and phasing thus improving the planning and design of the system for better balancing of protection, coordination and voltage regulation

PROJECT ACTIVITIES

Specific project activities, definition of which are in the final stages of development, will likely include the following:

- Update GIS data inventory of all electrical facilities on transmission and distribution lines to ascertain the disruptive damages that need to be addressed in recovery efforts
- Update geographic and attribute data in accordance with the data model and incorporate any modifications deemed necessary to meet the requirements of LUMA and those of state and federal industry regulatory agencies
- Collect facilities and attributes in the form of listings or tables of generation, transmission, distribution, aerial, underground, structures, luminaires / streetlights, customers, and joint use (phone, cable TV, internet, surveillance cameras, billboards)
- Update existing and new asset locations, based on the following scenarios:
 - Verified and requires updates to location and / or attributes
 - Verified with no updates required
 - No longer physically exists, thus marked for removal
 - Verified as a new asset with location and respective attribute updates required
- Take a GPS location for any identified new manholes / handholes and produce an infrared (IR) scan report, 360-degree camera inspection, and a partial discharge inspection for all manholes
- For Street Lighting in collecting and verifying information, convert from ESRI
- Place pre-manufactured physical asset tags on poles (distribution, transmission, and streetlight), transmission towers, underground structures (manholes and handholes) and pad-mounted equipment
- Place additional pre-manufactured, device specific asset tags on poles, transmission towers, underground structures, and pad-mounted equipment if they contain switchable devices such as switches, reclosers, capacitors, regulators, fuses, transformers, or step transformers

- Perform an infrared (IR) scan on and take nameplate photos of breakers, switches, reclosers, capacitor banks, regulators, transformers, step transformers, substation transformers, transmission towers and transmission switches
- Evaluate all ground rod installations for resistivity and corrosion and conduct a visual inspection in the form of photo attachments at each ground rod location
- Assess and record the condition of each asset for the application of a scale from “0” (condition has deteriorated to a stage where asset failure is imminent, and the asset requires immediate replacement) to “4” (in “as new” condition). For wood and concrete poles this assessment will focus on physical integrity
- Geographically locate the facilities in accordance with the official coordinate system of Puerto Rico and the graphic digitization standards defined by LUMA
- Establish quality control processes to ensure the correct inventory according to requirements and specifications, reflecting the actual state of LUMA’s electrical facilities
- Establish controls to ensure the security of data
- Use the G/Technology Mobile Viewer Advantage (MVA) mobile app as the primary inventory tool
- Define how the work will be coordinated and executed, ensuring control and order throughout the duration of the project
- Notify communities and law enforcement agencies when working in their respective areas

4.0 Procurement Process

The policies and procedures issued as part of the LUMA Consolidated Procurement Manual will guide this procurement. Due to the nature of service to be performed, LUMA cannot base the contract award solely on price or price-related factors. Thus, it is categorized as a Competitive Proposal (Section 4.1.1). Though price will remain a factor, past supplier performance, related experience, and approach / methodology will play important roles in the final selection (refer to Evaluation Criteria described below) to ensure that LUMA selects the proposal which provides the highest total value.

The following table, consistent with the LUMA Consolidated Procurement Manual, highlights the requirements that will be in place throughout the contracting process.

Requirements	Description
Public Advertisement	LUMA will publicly advertise the RFP.
Affirmative Steps	LUMA will take all necessary affirmative steps to ensure that minority businesses, women’s business enterprises and labor area surplus firms are used when possible.
Solicitation from Adequate Sources	LUMA will solicit Proposals from an adequate number of qualified sources, providing them with sufficient response time before the date set for the receipt of Proposals. The facts and circumstances of the procurement will determine the number of adequate sources. LUMA has defined an adequate number of qualified sources as three.
Evaluation Criteria	The Request for Proposals (RFP) will identify all evaluation factors and their relative importance. The specific criteria and their weightings are provided below.
Consideration	LUMA will consider any response to the publicized RFP to the maximum extent practical.

Requirements	Description
Evaluation Methodology	When evaluating proposals, LUMA will consider all evaluation criteria specified in its RFP Package and evaluates offers only on the evaluation factors included in the solicitation documents. LUMA will not change its evaluation criteria after receipt of proposals without re-opening the solicitation.
Award	LUMA will make the award to the responsible firm whose proposal is most advantageous / provides the greatest total value to the program, with price and other factors considered.
Vendor Responsibility	LUMA will award a contract only to a responsible vendor possessing the ability to perform successfully under the terms and conditions of the solicitation and contract. LUMA will consider such matters as vendor integrity, compliance with public policy, record of past performance and financial and technical resources. LUMA will document its responsibility determination for the winning vendor and (if applicable) also document its determination that the otherwise lowest bidder is not responsible.
Documentation	LUMA will document the procurement history with the appropriate record keeping requirements set out in the Consolidated Procurement Manual.
Contract Documentation	A contract and an associated purchase order will be used to document the engagement. Specific Terms and Conditions (to be accepted by the bidders) will be issued with the RFP, using relevant elements of the templates provided in Sections 3.4 and 3.5 of LUMA's Consolidated Procurement Manual. As this procurement represents preliminary engineering related to restoration and recovery from hurricanes Irma and Maria, the contract and purchase order will include all clauses required by Federal statutes, executive orders and implementing regulations (refer specifically to Section 3.5.2 of LUMA's Consolidated Procurement Manual).

5.0 Proposed Evaluation Criteria

Each proposal meeting all submission requirements stated in the Request for Proposal (RFP) will be independently evaluated by the Evaluation Committee, which will assign a score for each evaluation criterion listed, up to the maximum points. Subject to final review and approval, total points scored under each criterion will have the following proposed weights:

Criteria	Weighting
Experience and Capacity	20%
Financial Capacity	20%
Approach and Methodology	30%
Pricing	30%
Total	100%

As part of the evaluation process, LUMA may request that the bidders make oral presentations of their Proposal to the Evaluation Committee. The Evaluation Committee will also consider the information provided during the presentation for evaluation purposes, and scores may be adjusted in a final evaluation based on the presentations.

6.0 Funding Source

This procurement represents preliminary engineering related to restoration and recovery of the transmission and distribution system from hurricanes Irma and Maria. The funding sources and federal funding eligibility will be determined based on the condition of the assets and will be sourced through one of the following three funding categories:

- Federal Capital Expenditure,
- Non-Federal Capital Expenditure, and
- Operating Expenditure.

The funding allocations, at this time, are preliminary in nature and will not be confirmed until further information is available as the work progresses.