

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

NEPR

Received:

Jan 20, 2022

8:13 PM

IN RE:

IMPLEMENTATION OF THE PUERTO
RICO ELECTRIC POWER AUTHORITY
INTEGRATED RESOURCE PLAN AND
MODIFIED ACTION PLAN

CASE NO. NEPR-MI-2020-0012

**SUBJECT: Submittal of Presentation for Technical
Conference.**

**MOTION TO SUBMIT LUMA'S PRESENTATION FOR TECHNICAL CONFERENCE
SCHEDULED FOR JANUARY 25, 2022**

TO THE PUERTO RICO ENERGY BUREAU:

COMES NOW LUMA Energy ServCo, LLC ("LUMA"), through the undersigned legal counsel, and respectfully submits the following:

1. On October 6, 2020, the Energy Bureau issued a Resolution and Order (the "October 6th Resolution") opening this docket to "manage the implementation phase of the Approved IRP and Modified Action Plan." *See* October 6th Resolution at p. 1.¹ The term Approved IRP and Modified Action Plan refers to the Puerto Rico Electric Power Authority's ("PREPA") Integrated Resource Plan ("IRP") as approved in part and rejected in part by the Energy Bureau by Final Resolution and order of August 24, 2020 in Case CEPR-AP-2018-0001, *In Re: Puerto Rico Electric Power Authority Integrated Resource Plan* ("August 24th Resolution"), and the modified action plan established by the Energy Bureau in the August 24th Resolution. *See id.*

¹ In the October 6th Resolution, the Energy Bureau also indicated that it "may open in the future additional dockets related to the implementation of the Approved IRP and Modified Action Plan, as necessary." *See id.*

2. On November 5, 2021, LUMA submitted a motion in this proceeding that, among others, acknowledged its role in connection with the preparation of the next IRP, informed the Energy Bureau of the status of LUMA's efforts with respect to the process to prepare for the next IRP cycle, and requested that the Energy Bureau schedule a Technical Conference to discuss in more detail the subjects raised in that motion regarding the next IRP Cycle, including, among others, LUMA's request for streamlining the IRP Consultant Contracting Process set forth in the August 24th Resolution. *See LUMA's Informative Motion on Status of Activities Related to Next IRP Cycle, Request for Extension to File Documents, and Request to Schedule Technical Conference* of November 5, 2021 at pp. 4-7.

2. On December 15, 2021, the Energy Bureau issued a Resolution and Order (the December 15th Resolution and Order") granting LUMA until December 17, 2021 to file the IRP Process Review Report and the RFQ/RFP document required under Sections V(B)(1) and V(B)(2) of the August 24th Resolution, respectively. In addition, the Energy Bureau scheduled a Technical Conference in this proceeding for January 25, 2022 at 2:00 p.m.

3. On December 17, 2021, LUMA submitted a Report on Resource Planning Process for the Next IRP Cycle and a proposal for the IRP Consultant Process. *See Exhibit 1* of the December 17th Motion. LUMA also submitted for the Energy Bureau's review and approval, a draft RFQ/RFP document for the IRP Consultant Contracting Process and a draft of the proposed contract for IRP consulting services. *See Exhibit 3* to the December 17th Motion.

4. LUMA hereby respectfully submits a pdf version of the slide deck and presentation that LUMA proposes to offer during the technical conference of January 25, 2022. *See Exhibit 1*. The presentation covers the hallmarks of LUMA's December 17th Motion on the IRP development

process for the next cycle and the RFP/RFQ process for the IRP Consultant Contracting Process and is submitted to assist discussions in the upcoming technical conference.

WHEREFORE, LUMA respectfully requests that this Energy Bureau **accept** and **consider** the pdf version of the slide deck and presentation that LUMA is submitting as Exhibit 1 to this Motion and **grant** LUMA leave to offer the presentation during the technical conference of January 25, 2021. *See* Exhibit 1.

RESPECTFULLY SUBMITTED.

In San Juan, Puerto Rico, this 20th day of January 2022.

I hereby certify that we filed this notice and request using the electronic filing system of this Puerto Rico Energy Bureau and that courtesy copy of this notice and request was notified to counsel for PREPA, Katuska Bolaños, kbolanos@diazvaz.law.



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Exhibit 1

Presentation for the January 25th Technical Conference



IRP Technical Conference

January 25, 2022

NEPR-MI-2020-0012



Agenda

- Objectives
- 2023 IRP Development Status
- IRP Development Process Overview
- Review and approval process of RFQ and Contract for the IRP Technical Consultant
- Summary and Next Steps

Objectives

- Present and discuss overview of planned IRP development process including potential touchpoints with US Department of Energy (DOE)'s studies
- Present and discuss LUMA's recommended revisions to Energy Bureau's process for review and approval of the RFQ and Contract for the IRP Technical Consultant (as defined in the CEPR-AP-2018-0001 Resolution & Order)
- Discuss approval steps and timeline and questions of comments from the Energy Bureau

IRP Status

G On target
 Y Caution
 R Off plan
 C Complete

Key Activity Summary

Near-term, Pre-IRP Activities

- Select, contract, and mobilize 2023 IRP Consultant
- Continue to gather data and analyses on T&D System and historical customer consumption and generation capabilities as inputs to 2023 IRP
 - Complete hosting analysis approach
 - Update transmission system model and transfer capability analysis
- Finalize elements from DOE Puerto Rico 100% Renewable Energy Study (PR100), including stakeholder engagement, that may contribute to IRP based on DOE's final scope and schedule
- Monitor renewable RFPs as potential input to IRP

Medium-term, IRP Activities

- Develop load, energy and DER forecasts inputs to IRP
- Review IRP related filings for findings to consider for incorporation in IRP
- Engagement with stakeholders
- Submit IRP with Energy Bureau and support IRP proceeding

Key Milestones

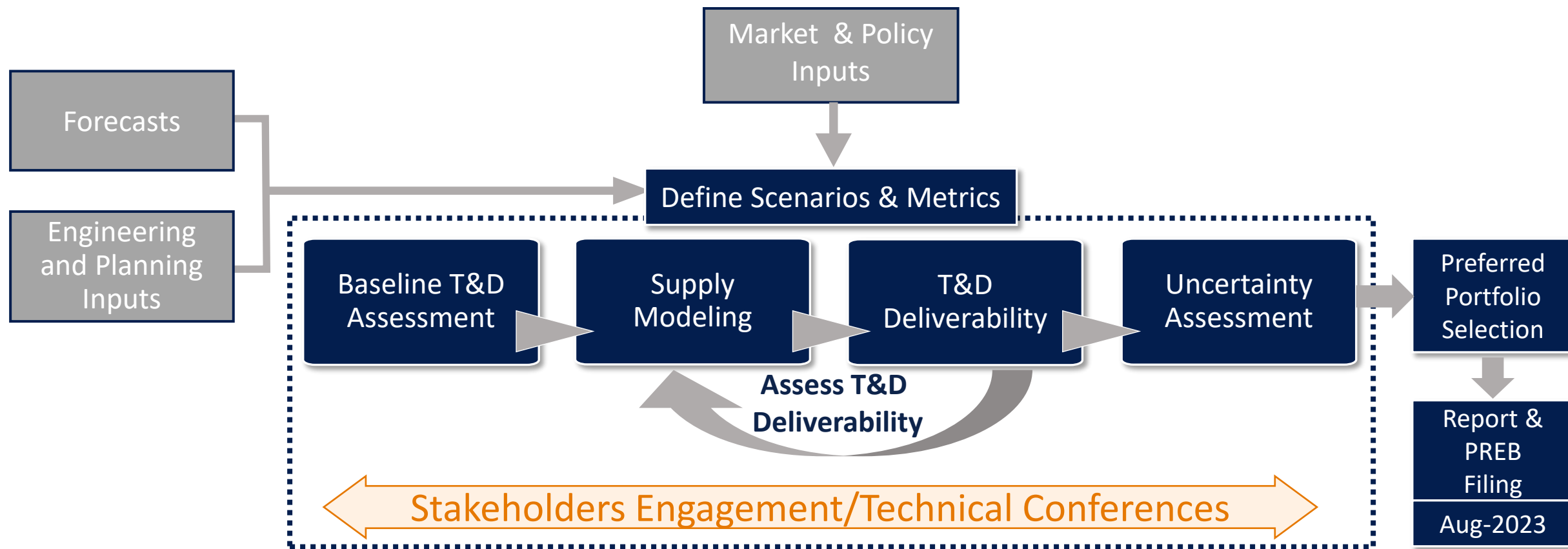
	Date	Status
Filed Draft RFQ/RFP and contract with Energy Bureau	December 2021	C
Issue RFQ/RFP	January 2022	Y
File List of Qualified Consultants with Energy Bureau	January 2022	R
File Final Contract with Energy Bureau for approval	March 2022	G
Develop IRP	March 2022 August 2023	G
File IRP	August 2023	G

Risks / Issues:

- Completion of Market Baseline and Potential Studies for EE and DR must be completed in a timely manner to incorporate associated data in the IRP forecasts. Estimations and assumptions may be required where system and market data are not available.
- Delays in Energy Bureau Approval of RFQ/RFP and contract could adversely impact project schedule.

Process Overview

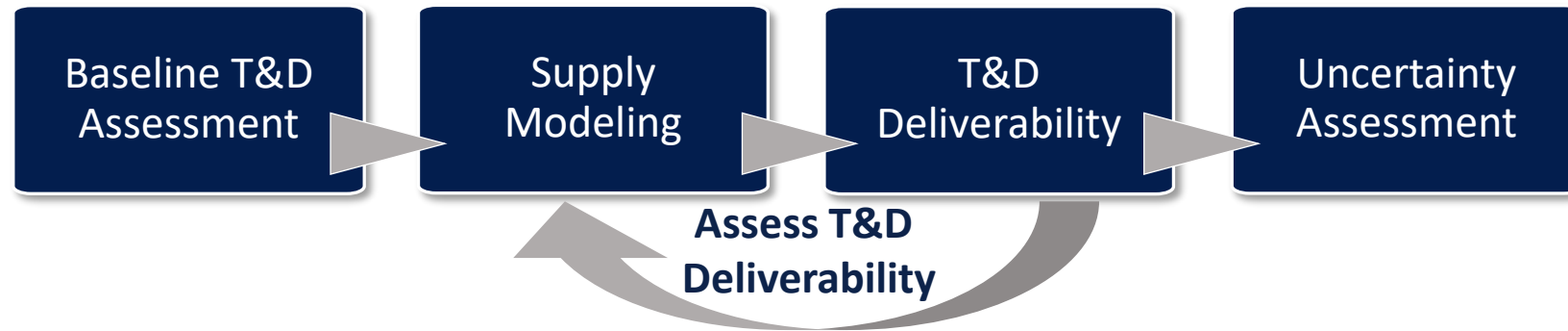
Iterative T&D Deliverability and Supply Modeling Analysis



IRP process is designed to comply with requirements in Regulation 9021 and the Energy Bureau's final order for the last IRP (CEPR-AP-2018-0001 Resolution & Order)

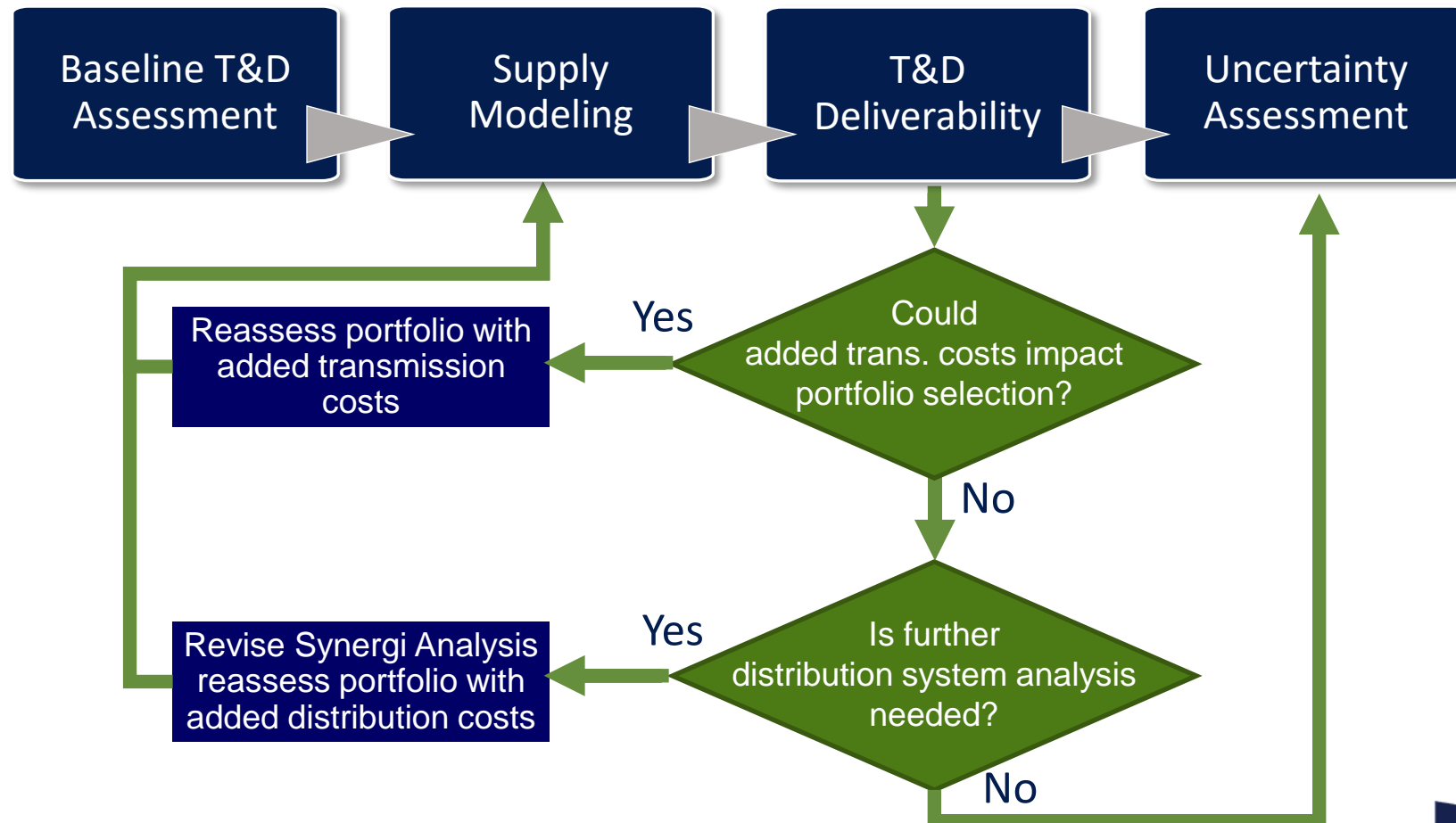
Process Overview

Iterative Portion of the Process



Process Overview

Iterative Portion of the Process and Subtask Detail



Planned IRP Schedule*

Provided December 17, 2021

Task	Description	Start Date	End Date	Status	Q4 2021	Q1 2022	Q2 2022	Q3 2022	Q4 2022	Q1 2023	Q2 2023	Q3 2023	Q4 2023
1	Procurement Process & Contract	10/18/21	3/25/22	In Progress									
2	Forecasts for Load, EE, DER, EV	10/18/21	7/29/22	In Progress									
3	Define Scenarios and Metrics	4/1/22	7/27/22	Not Started									
4	Assess Generation Options	4/1/22	6/26/23	Not Started									
5	T&D Deliverability Assessment	5/2/22	6/26/23	Not Started									
6	Resource Portfolio Scoring	5/6/22	6/6/23	Not Started									
7	Study Report	6/19/23	8/11/23	Not Started									
8	IRP Filing	6/19/23	8/23/23	Not Started									

* Quarters and Years shown on slide are on a calendar year basis.

LUMA's IRP Team

- LUMA's team of experienced and qualified personnel and an external consultant will support the development of the IRP
- IRP development requires support from all LUMA's departments; support services and utility transformation departments will lead LUMA's effort: IRP Project Management team, load forecasting, supply assessment, T&D analysis and DER planning
- LUMA will use T&D System and market data where available and will use estimations and assumptions where required
- As outlined in LUMA's System Remediation Plan improvement programs, LUMA continues to make improvements to data collection and record keeping practices

Support Services

Mario Hurtado
Chief Regulatory
Officer

**IRP Project
Management**

Load Forecasting

Supply Assessment

Utility Transformation

Shay Bahramirad
SVP Asset Management
& Engineering

IRP T&D Analysis

DER Planning



Stakeholder Involvement

Approach

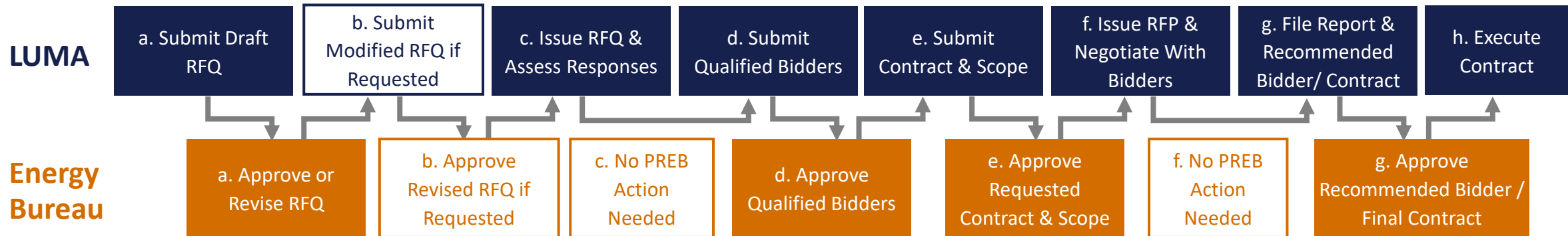
- LUMA supports a quality stakeholder input process to support the development of a practicable and comprehensive IRP.
- Stakeholder engagement will include engagement in Spanish and will be suitable for non-technical audiences.
- LUMA team has extensive experience with stakeholder engagement which will be reflected in the design and management of the process.

Involvement with Department of Energy

- LUMA currently plans to work with US DOE to arrange and participate in stakeholder meetings that address the purposes of both the LUMA IRP and those of the US DOE PR100.
- If the DOE's final schedule and scope for the PR100 stakeholder sessions do not meet the needed content or schedule of the IRP, LUMA is prepared to conduct separate stakeholder sessions for the IRP.
- Whether the stakeholder sessions are held jointly or individually, LUMA and DOE will engage a facilitator to serve as the neutral host of the stakeholder meetings, encouraging and facilitating the sharing of information and opinions among the participants to achieve broad input and feedback to the process. LUMA and DOE recognize the need for a facilitator with a strong understanding of the energy issues facing Puerto Rico (preference for Puerto Rico-based organization).

IRP Consultant RFQ & Contract Approval Process

Original CEPR-AP-2018-0001, August 24, 2020, Final Resolution & Order Process

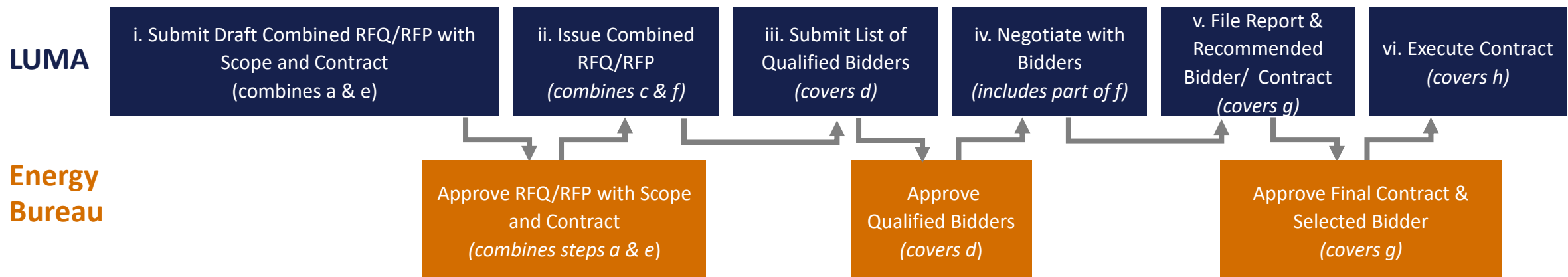


- Process described in August 2020 Order described 4 and possibly 5 sequential points of review and approval by the Energy Bureau (steps a, d e and g require approval with step b potentially requires approval)
- LUMA proposed a revised approval process with the intent of accelerating the time to solicit and contract an IRP Consultant while preserving the requested points of review and approval by the Energy Bureau

IRP Consultant RFQ & Contract Approval Process

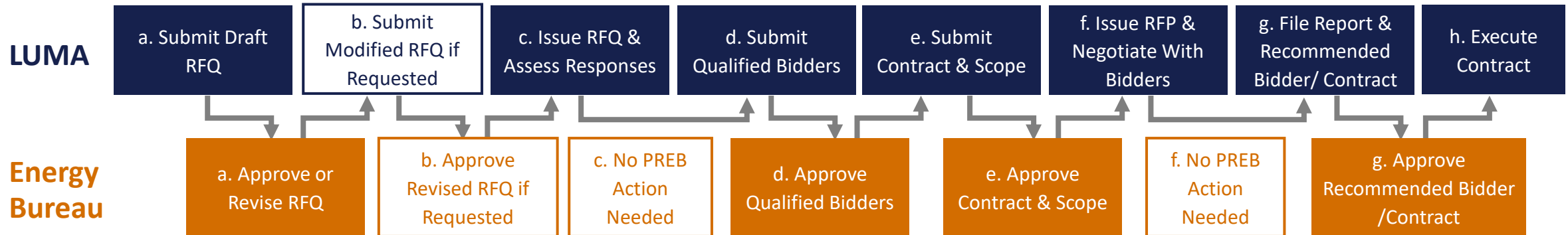
- Proposed process combines the review and approval of the RFQ, RFP and draft contract in a single step to reduce costs and improve timeframe.
- Process still preserves steps for the Energy Bureau to approve qualified bidders and final contract if the Energy Bureau still desires to incorporate these steps.

Proposed Consolidated Process *(letters refer to steps in the original process)*

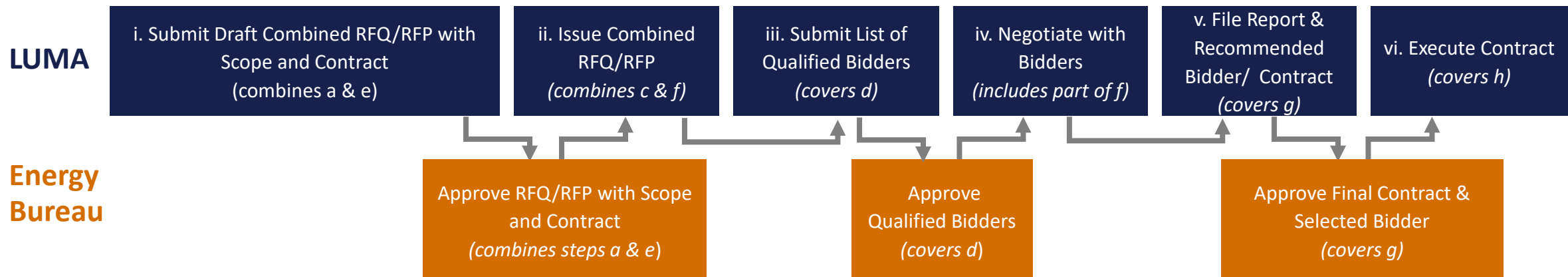


Comparison of the Original and Proposed Approval Process

Original CEPR-AP-2018-0001, August 24, 2020, Final Resolution & Order Process



Proposed Consolidated Process *(letters refer to steps in the original process)*



Summary and Next Steps

- IRP development methodology built upon Regulation 9021 and the Final Resolution of the last IRP
- IRP will integrate LUMA's improvements in T&D System data and enhanced T&D modeling capabilities
- While the draft scope and schedule for the DOE PR100 study is still being discussed, we are working toward sharing assumptions and results with DOE
- To preserve the project schedule, we need to proceed with process of soliciting proposals from technical consultants as soon as possible
- Therefore, require timely Energy Bureau approval of the draft RFQ / RFP and contract documents submitted on December 17, 2021.



Thank you and
Questions?

