



Jamaica Public Service Company Limited

Request for Proposal # 951107

TECHNICAL SERVICES

FOR

2022 – 2041 Transmission Analysis and
Expansion Plan in Support of Jamaica's
Integrated Resource Plan (IRP) #2

Questions and Answers.

June 14, 2023

The below question were asked and the following response are provided.

1. If the primary bidder is a local consultant and the third-party support is a foreign-based company. Will JPSCo disburse the funds if this company is successful?

Answer: **JPS will only disburse funds to the primary supplier whether it be a local or foreign one.**

2. If the bid submission is done through a joint venture arrangement with a foreign-based company. In what currency will payments be made?

Answer: **Payments will be made based on the type of the supplier on our Oracle system. So if a local supplier is the primary and submits the invoice, then invoice will be paid in JMD. If the primary is a foreign company and submits the invoice, then will be paid in USD. Ex. If EMPCC Re Ltd. is partnering with ABB USA and EMPCC RE is the primary and submits an invoice for payment, then it will be paid in JMD to the EMPCC Re Ltd. account on Oracle. If ABB USA is the primary and submits invoice for payment, then it will be paid in USD to the ABB account in Oracle.**

3. Will JPSCo provide the expected demand load growth over the study period?

Answer: **Yes**

4. Will JPSCo provide the forecast load growth of each of the connected substations?

Answer: **No – just overall system peak for the years 2022 – 2041.**

5. Will a copy of the Plexos model be provided and which version if yes?

Answer: **Yes, Plexos version 9. Excel output for the plants' dispatch, BESS charging and discharging will also be provided.**

6. Will JPSCo be providing a calibrated version of its existing transmission system database (GIgSILENT/PowerFactory model)?

Answer: **Yes**

7. Will JPSCo provide information with regard to the location of renewable energy (RE) sites and the capacity potential (MW) that exists at these sites and the capacity factor of their renewable energy technologies?

Answer: **Yes, JPS has these proposed plants modelled however may require tuning.**

8. Battery energy storage system:

Answer: **Yes, same as above.**

- a. How will the battery be charged?

Answer: **Battery will be charged from the grid.**

b. Will the batteries be providing:
i. frequency regulation?

Answer: **Yes**

ii. Frequency responsive spinning reserve?

Answer: **Yes**

9. When will IRP2 be made public?

Answer: **JPS is not sure when the IRP 2 will be made public.**

10. Does JPSCo have and will provide the proposed location of the RE sites mentioned for each time window if not already in the IRP2 and the capacity factor for each?

Answer: **Yes**