



VIRGIN ISLANDS WATER & POWER AUTHORITY

PR-11-22

PV Interconnection Power System Studies for St. Croix, USVI

Date: 12/08/2021

ADDENDUM II

Questions and Answers

1. *When is the expected NTP date for the study?*

NTP Date will be issued before commencement of the project and after the successful Offeror signs Contract document(s) and same is fully executed and approved by WAPA

2. *Can VIWAPA supply the existing St. Croix system one-line diagram, and identify whether it is up to date with respect to recent renewable and RICE generation additions?*

Yes, single line diagrams can be provided. RICE generation additions may not be up to date.

3. *Will final design details (including system electrical one-line diagram, substation drawing packages layout drawings, elevation drawings, short circuit studies and interconnection data) be available for the PV and BESS sites upon receipt of the NTP for the study? This type of data is generally required for the requested transient studies. If not available, when would they be available within the 150 day study period?*

Final designs will not be ready for the PV and BESS as this study is informing the PV and BESS. However, Wartsila may have their one-line diagram, drawing packages available for the new diesel engines to be installed on STJ. We would expect bidders to model transient studies with comparable data provided by WAPA for proposed PV and an ideal BESS solution.

4. *Invoice payment terms are stated as net 60 days versus net 30 days. Why is 60 days being proposed.*

60 days

5. *Are there any preliminary studies results available for the new PV and BESS expansion plans ?*

Dynamic Stability Model & FESTIV modeling (In progress)

6. *Will any existing PSS/E model or other modeling data for the existing system and the solar farms be provided?*

PSS/E model exists, but needs to be validated.

7. *Are there any specific operation/planning criteria (such as normal/emergency voltage range, thermal loading, etc.)? Will these criteria be available to the Offeror?*

Yes, criteria along with normal/emergency operating plans can be provided.

8. *For relay evaluations and settings, will the existing relay coordination and setting files be provided? Is there any specific criteria?*

Yes, all existing relay files required for the study will be provided. Relay brands are SEL (351, 451, 487, 411L, 421) & Basler (BEI – 951).