VIRGIN ISLANDS WATER & POWER AUTHORITY

PR-04-27

Substation Power Transformer Testing Evaluation

RFP

Date: 10/27/2026

ADDENDUM II

1. Please confirm the anticipated Period of Performance, including the expected Notice to Proceed (NTP) date, required completion date, and overall project duration.
    a. **Considering the current time of the year and the process involved, I recommend starting this project in the second week of January 2027. It shouldn't take more than 4 weeks to test the 9 Substation transformers on STT and STJ.**

2. Please confirm the expected working hours and outage windows for this project.
    a. **Monday through Saturday 8 to 5**

3. Please confirm whether any site access, badging, security clearance, escort, or training requirements will be required for personnel performing the work.
    a. **Yes, an escort, safety training and badges would be needed for most areas before performing work.**

4. Please confirm who will be responsible for coordinating and performing equipment outages, switching operations, lockout/tagout (LOTO), grounding, and system restoration activities during testing.
    a. **T&D and Substation department will be responsible for this task**

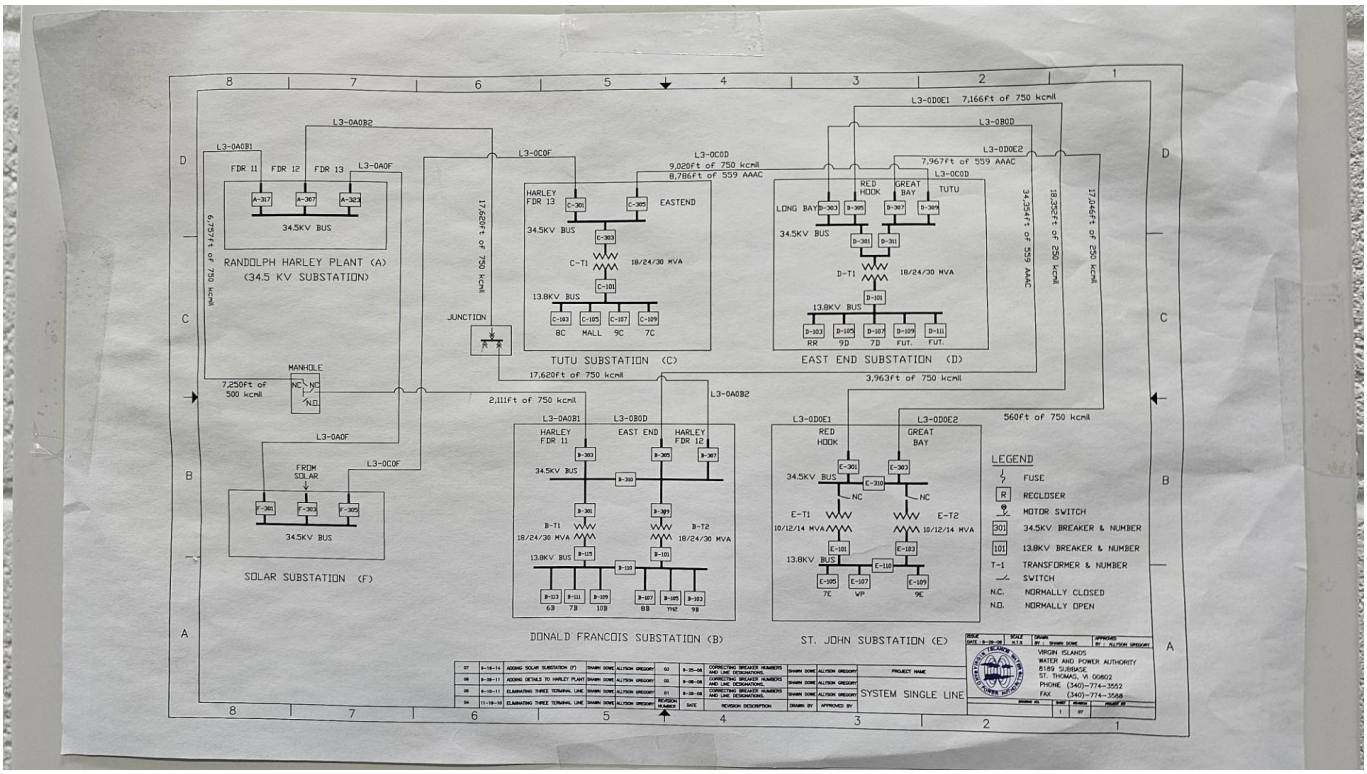
5. Please provide the names, complete physical addresses, and GPS locations (if available) of all five substations included in the project scope and identify which substations are located on St. Thomas and which are located on St. John. **(T&D and/or Substation Department can supply this information)**
    Substation Names:
    Randolph Harley – 3 transformers*
    Donald C. Francois – 2 transformers
    Tutu – 1 transformer*
    East End – 1 transformer
    St. John – 2 transformers

Please use this link to see the physical locations. It should also work for navigating to the locations when the time comes: (* means written address is not provided)
https://earth.google.com/earth/d/1hiTMwsIbOb0leCCgZlUzveRuLbNLxIcD?usp=sharing

6. Could you please provide a complete equipment list included in the project scope, including equipment quantities, kVA/MVA ratings, voltage ratings, manufacturers, locations, and substation names for all transformers, bushings, surge arresters, and associated equipment to be tested? Additionally, please provide the approximate distance between substations.

SUBSTATION	MVA	kV	Manufacturer
Harley	56	34.5/13.8	ABB
	56	34.5/13.8	ABB
Donold C. Francois	30	34.5/13.2	Siemens
	30	34.5/13.2	Siemens
Tutu	33.6	34.5/13.2	MagneTek
East End	33.6	34.5/13.2	MagneTek
St. John	12.5	34.5/13.3	Siemens
	12.5	34.5/13.3	Siemens

7. Could you please provide the most current single-line diagrams (SLDs) and the latest available electrical inspection/testing reports, transformer test reports, oil analysis history, and maintenance records for the facilities included in this project?



No formal maintenance records are available. This project will be used to establish a formal base line for us to use moving forward.

8. Please provide the expected testing procedures, required testing matrix, and acceptance criteria applicable to each transformer and associated equipment included in the project scope.

Required tests from ANSI C57 Standard are as follows:

- Insulation Resistance
- Dissipation Factor and Capacitance
- Turns Ratio
- Windings Resistance
- No Load Losses
- Load Losses
- Current Transformers
- Bushing Dissipation Factor

This is not an exhaustive list

Also required:

- Verification of proper operation of NLTC and OLTC
- Verification of proper operation of Auxiliary System – Fans, heaters, gauges, etc.
- Assessment of the structural integrity of the transformers and containment areas

9. Please confirm whether the testing scope is limited to power transformers and associated transformer components only, or if feeder circuits, feeder cables, or any additional substation equipment are also included in the project scope.
    a. Based on the scope of the RFP it appears that it is limited to the power transformers.

10. Could you please provide the previously awarded contractor and contract value?
    a. **No prior contract**