

Prebid RFI Responses
Upgrade Building 10 & 34 Emergency Generator
Project 564-16-118

1. We have not been able to find the Conduit and Wire size for the Feeders on drawing E101, 3 of 3. Can you please clarify with the Engineers?

RFI Question 1 Response: New feeder sizes are shown as minimum amperage size, the actual wire and conduits shall be sized as NEC 2014 minimum wire size and conduit size with full size neutrals. They shall be increased in size per any UPS, ATS, or Generator manufacture installation recommendations or requirements.

2. Is it required to use double sized neutral conductors for feeders serving the UPS and its loads?

RFI Question 2 Response: The neutrals of new feeders shall be increased in size if recommended by the equipment manufacture. Conduit shall then be sized to the new conductor sizes. All conductor shall be copper.

3. A breaker is shown on drawing 3 of 3 serving as a disconnect for the load bank. What type of connection will need to be provided at this location?

RFI Question 3 Response: Contractor shall provide and install a docking station that will allow connection of either a load bank or a portable generator. This shall be Trystar GDS-085W-LMF-K or equal. See new docking station specification.

4. Are there any energy guide requirements for the UPS.

RFI Question 4 Response: The UPS shall be Energy Star qualified. See revised specification 26 33 53 for energy, power quality, and serviceability requirements.

5. Do you know when this 125kW generator specification section will be available for preparation of bid?

RFI Question 5 Response: Generator specification 26 32 13 is included in this addendum.

6. Is a steel frame foundation acceptable for the UPS building and/or generator?

RFI Question 6 Response: Yes. The foundation must meet all structural, manufactures, and safety requirements. Contractor must provide stairs and standing areas as for needed for maintenance as well as safety rails for any type of foundation used.

7. Is a fused or breaker disconnect required for the UPS load feeder serving the boiler plant main panel 10EP.

RFI Question 7 Response: Yes

8. Is it acceptable to locate the ATS, Panel 9-2E, and boiler plant feeder disconnect in the same building as the UPS?

RFI Question 8 Response: Yes. If a building is built to house the UPS, it should be sized to include these devices with adequate NEC required clearances.

9. Will any battery powered emergency lights be required?

RFI Question 9 Response: Yes. Contractor shall provide battery powered emergency lighting as required by NEC 2014 and NFPA 101.

10. Will a disconnect be needed on the load side of the UPS.

RFI Question 10 Response: Yes. A 200 Amp fused or breaker disconnect is required. The overcurrent size must meet UPS manufactures requirements but not exceed 200 Amps.

11. Will the contractor be able to salvage the old generator?

RFI Question 11 Response: No. The VA wants keep the existing generator, day tank, and ATS for future use. Contractor shall remove from existing location and move to location on campus as directed by COR.