STATE OF ALASKA

Department of Labor & Workforce Development
Alaska Vocational Technical Center

AVTEC Generator Supply and Installation

IFQ # 722AVC1000

Amendment # 1

Issue Date: April 13, 2022

This amendment is being issued to answer questions submitted by potential bidders.

Questions submitted by potential offerors and answers from the state:

Question 1: Please confirm the scheduled completion date. I did not see this noted in the RFQ.

Answer: Work to be completed within 18 months of Notice to Proceed Document.

Question 2: Drawing E0.1 Note B indicates that the Peak Utility Demand Load with NEC Factors is 24.5kW. The specified generator has a rating of 40kW which appears oversized for the application. Will you accept a proposal for a generator set rating of 30kW rather than the specified 40kW?

Answer: Generator to be sized for 40kW.

Question 3: Drawing E.03 - 263600-1.4. A states that 1 year service and maintenance is required for the ATS after substantial completion. The generator specification notes a 3-year semi-annual service and maintenance is required. Please confirm which service and maintenance duration is correct.

Answer: ATS to have 1 year service and maintenance per 263600-1.4. A.

Question 4: Drawing E.03 - 263600-2.1. A states that Caterpillar or approved equal is acceptable for the ATS. Will you accept products by Eaton (actual manufacturer of Caterpillar's ATS), Kohler, or ASCO?

Answer: Yes, if they are: equal in performance; meet the specification requirements; have in State support to respond to emergencies and service requests within 24 hours.

Question 5: Drawing E.03 - 263600-2.1. A will you please clarify the basis of design ATS Catalog Number?

Answer: ATS ratings, options and features are listed on the Drawings. Specifications do not limit to one specific catalog number.

Question 6: Drawing E.05 - 263200-1.2. B states the generator set will be rated 40kW Prime Powe rated but the previous paragraph indicates standby power is the application. Is it safe to assume this is a typo and that the application is in fact standby power?

Answer: Generator is for standby power use.

Question 7: Drawing E.05 - 263200-1.2. B mentions a load bank but the load bank is not shown elsewhere in the specifications. Our assumption is that there is no load bank required to be supplied with the generator set however, a temporary load bank will be required for equipment commissioning. Please confirm.

Answer: 263200-1.2. B mentions load bank but that is for the system capacity rating, the generator must be rated for a full load of 40KW confirmed with load bank testing at the factory.

Question 8: Drawing E.05 - 263200-1.7. A states that the a two year, 6000-hour warranty is required for the generator set and ATS. The ATS specification calls for a 3-year warranty on the ATS. Please confirm which warranty is requirement is requested.

Answer: Generator set to have a 2-year, 6000-hour warranty. ATS to have 3-year warranty.

Question 9: Drawing E.05 - 263200-2.1. A states that Caterpillar or approved equal is acceptable for the genset. Will you accept products by Kohler?

Answer: Yes, if they are: equal in performance; meet the specification requirements; have in State support to respond to emergencies and service requests within 24 hours.

Question 10: Drawing E.05 - 263200-2.4. D states a thermostatically-controlled modulating damper system is required for the generator set enclosure. It is our understanding that thermostatically controlled modulating damper system is not part of the design basis IBC Seismic Certification and will conflict with the validity of the IBC Certification. Will you accept fixed dampers in lieu of a modulating damper system?

Answer: Fixed dampers are acceptable.

Question 11: Drawing E.06 - 263200-2.5. A states that an elaborate fuel transfer system be supplied with the generator set fuel tank base. Considering the close proximity of the generator set to the existing 1000-gallon fuel tank rather than providing a second fuel tank with transfer system with the generator set there is opportunity to reduce overall project complexity and reliability by plumbing the engine direct to the existing site fuel tank. Doing this will also help with fuel circulation so that the fuel in the system does not become stale from age. In addition to this it is our understanding that the specified fuel transfer system is not part of the design basis IBC Seismic Certification and will conflict with the validity of the IBC Certification. Will you accept removal of the generator base

tank and associated fuel transfer system and allow installation to connect directly to the existing 1000-gallon fuel tank?

Answer: Design intent is to have a generator subbase tank sized for minimum 24 hours of generator operation, with the additional capability of sharing the building fuel tank. The generator subbase tank and fuel transfer system are necessary for operational needs and must be provided

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Question 12: Drawing E.06 - 263200-2.5. D states that the battery charger be rated for 12A DC Output. Will it be acceptable to provide a 10A battery charger in lieu of 12A?

Answer: 10A is acceptable.

Question 13: Drawing E.06 - 263200-2.5. F.16 reference specification 230923 but this specification was not included in the RFQ. Will you please provide a copy of this specification for review?

Answer: This requirement will be deleted. The remote annunciator panel will provide necessary information to building occupants.

Question 14: Drawing S2 Detail 3 states the minimum anchor edge distance is 3". Will you please confirm this complies with the design basis IBC Certification?

Answer: Generator pad, supports and anchors to be provided per selected Manufacturer's requirements. Generator installation to meet chosen Manufacturer's requirements.

Question 15: Will there be a pre-bid project walk scheduled for this project? If not, will contractors be able to setup a time to for a site visit?

Answer: Yes, contractors will be able to setup a time for a site visit. Please contact: Kenn.Carpenter@avtec.edu

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Question 16: Drawing M100 shows a 10' exhaust extension. This extension is not part of a factory designed package and will conflict with package UL Listing and IBC Certification. Will you please confirm if this extension is absolutely necessary?

Answer: Engine exhaust discharge is to be a minimum of 10' above grade so that engine exhaust is not trapped between the building roof, walls, and adjacent earthen bank. Engine exhaust to be directed upwards at a high enough level to not collect in the area due to potential snow buildup and the proximity of the building air intakes and personnel doors.

Changes to the IFQ:

Change 1: 263200-2.5. F.16 reference specification 230923 has been deleted from the IFQ document.
