

International Marine Terminal
Portland, Maine
Standby Power System

Section 1.0: General Requirements

1.1 Scope

Provide, install, and acceptance test a complete and operable Emergency/Standby electric generating system, including all devices and equipment specified herein, as shown on the drawings, or required for the service. Equipment will be new, factory tested, and delivered ready for installation.

1.2 Approved Manufacturers:

Equipment, documentation, and services described in this specification and shown on the plans are as provided by Onan Corporation, Minneapolis, Minnesota.

Proposed substitutions will include complete submittal data, as specified herein, clearly denoting any and all deviations and/or exceptions to the equipment specified. The complete proposal must be submitted to the engineer or architect for approval/disapproval. If approved, the Contractor is responsible for the cost for all necessary revisions.

Submit the following information with the proposal package for review and evaluation in sufficient time as to not delay the progress of the project:

- A paragraph by paragraph specification compliance statement, describing the differences between the specified and the proposed equipment.
- Dimensions of the generator sets, transfer switches, paralleling equipment (when specified) and accessory hardware, including plan and elevation drawings.
- Sequence of operation if required to enhance the description included in this specification.
- Indication of the nearest field service office staffed with factory trained technicians. Provide service organization data and manpower. Indicate typical response time for emergency calls. Provide typical scenario for an emergency service call.

1.3 Submittals:

Within 10 days after award of contract, provide six sets of the following information for review:

- Manufacturer's product literature and performance data, sufficient to verify compliance to specification requirements.
- A paragraph by paragraph specification compliance statement, describing the differences between the specified and the proposed equipment.
- Manufacturer's certification of prototype testing.
- Manufacturer's published warranty documents.
- Shop drawings showing plan and elevation views with certified overall dimensions, as well as wiring interconnection details.
- Interconnection wiring diagrams showing all external connections required; with field wiring terminals marked in a consistent point-to-point manner.
- Manufacturer's installation instructions.

1.4 Warranty:

A no deductible warranty will be provided for all products against defects in materials and workmanship for a five year or 1500 hour period from the start-up date. Warranty will cover all costs of covered repairs, including travel expenses.

1.5 Single Supplier:

The supplier will be the manufacturer's authorized distributor, who will provide initial start-up services, conduct field acceptance testing, and warranty service. The supplier will have 24-hour service availability and factory-trained service technicians authorized to perform warranty service on all products provided.

1.6 Manuals:

Three copies of operators and spare parts manuals will be provided for all system equipment. The manuals will include outline, interconnection, wiring, and control drawings accurately describing the equipment provided. Provide ladder logic for all programmable logic controllers in the system.

End of Section 1 General Requirements.