

SECTION 16201

EMERGENCY/STANDBY GENERATING SYSTEM

PART 1 - GENERAL REQUIREMENTS

1.1 SUMMARY

- A. This section describes the requirements for additions to the existing ANC Emergency/Standby electric generating distribution system.
- B. A limited amount of Emergency/Standby Power is available for Tenant use.
 - 1. Emergency loads are those that are required for life safety only such as emergency egress lighting, exit signage and fire alarm system equipment. Emergency circuits shall be in accordance with NEC Article 700.
 - 2. Standby loads are those for which it is desired to provide backup power to in order to prevent damage to the facility, to aid in rescue or evacuation, or to aid in continuing operation of the airport in a limited capacity. Standby loads may include mechanical equipment required for freeze protection, telecommunications systems and checkstand equipment (computers and processors).
 - 3. Proposed Tenant emergency and standby loads must be submitted and approved by ANC as part of the Design Submittal process.
 - 4. Refer to Section 16010 – Electrical Requirements for additional information.
- C. Tenant emergency/standby loads will typically be limited to branch circuits for emergency and standby loads as noted above. The Tenant's Design Engineer shall contact ANC regarding any major equipment or loads that the Tenant desires to provide generator support for. Support of major non-essential loads may require the addition of new generators or transfer switches at the Tenant's expense.
- D. Uninterruptible Power Supplies (UPS) are the responsibility of the Tenant. No UPS capacity is available from ANC for Tenant use.
- E. Related Sections:
 - 1. 16010 Electrical General Provisions

1.2 DESCRIPTION

- A. The existing system complies with the applicable requirements of NFPA 110 - Emergency and Standby Power Systems for Level 1, Type 10, Class 2 systems.

PART 2 – PRODUCTS (NOT USED)

PART 3 - EXECUTION

3.1 INSTALLATION

- A. Emergency system wiring shall comply with NEC Article 700. Standby system wiring shall comply with NEC Article 702.
- B. Installation shall comply with applicable state and local codes as required by the authority having jurisdiction.

END OF SECTION