Design Standard

Emergency Generator Systems

Detailed specifications follow.

PART 1  GENERATORS

1.1 Generator equipment shall be supplied by a single manufacturer who has been regularly engaged in the sales and service of engine-generator sets, generators, engine auxiliaries, transfer switches, and controls for a minimum of fifteen years.

1.2 A manufacturer’s representative shall provide local factory-trained services, all required stock of replacement parts, and technical assistance.

1.3 Accessibility to the generator for service and fueling is critical. Coordinate each emergency generator installation with TAMU Utilities & Energy Services.

1.4 The fuel shall be diesel and be contained by a 24-hour double wall tank.

1.5 Approved Generator Manufacturers:
   A. Caterpillar
   B. Onan
   C. Kohler
   D. Stewart & Stephenson

PART 2  LIFE SAFETY TRANSFER SWITCH

2.1 Life safety loads are to be on a separate transfer switch from the legally required and optional generator loads.

2.2 The switch shall be fed from a separate overcurrent protective device in the generator.

2.3 Approved Transfer Switch Manufacturers:
   A. Russelectric
   B. ASCO
   C. Zenith