

Electric Substation. FAC: 8131

CATCODE: 813231

OPR: AFCEC/COS

OCR: AFSC/SEW

1.1. **Description.** The main electrical substation is the point of supply for a base or portion of a base electrical distribution system. It is usually the dividing point between government owned facilities and those of a utility company.

1.2. **Requirements Determination.** When transformers are not required, a substation sometimes is designated as a switching station; in this case, capacity may be designated as the number of primary distribution feeders.

1.3. **Scope Determination.** Contact OPR for latest requirements and guidance.

1.4. **Dimensions.** Contact OPR for latest requirements and guidance.

1.5. **Design Considerations.** Capacity and unit of designation is kilovolt amperes (kVA). Supply a substation by one or more feeders. Each substation should be located as near as feasible to the center of its load.