810 ELECTRIC POWER

The electric power demand of a Navy or Marine Corps installation will normally be predicated upon an engineering study of personnel and industrial-type consumption load of the installation activities. (See Electrical Engineering, NAVFAC DM-4 for criteria for determining specific electrical requirements common to structures in this category group.) However, in the absence of an engineering study the following should be utilized for broad planning purposes:

Electric Demand Planning Factors

Cat. Group	Description	Unit of Measure(UM)	Maximum Demand Per Unit of Measure (Watts)
130	Communication & Navigational Aid	SF	13,5
	Airfield Lighting	LF	6
140	Land Operational Facilities	SF	7.5
150	Waterfront Operational Facilities	SF	5
		FB	5×10^3
170	Training Facilities	SF	7.5
210	Maint. Shops & Facilities	SF	7.5
220	Production Bldgs. & Plants	SF	7.5
310	Research, Development & Test Bldg.	SF	7.5
440	Storage, Covered	SF	2
510/20	Hospital Buildings	SF	6
		BD	4×10^3
530/40/50	Labs, Clinics, Dispensaries	SF	8
610	Administration Buildings	SF	6
710	Family Housing	SF	4.5*
		FA	6×10^3*
720	Troop Housing	SF	5.5
		MN	500
730/40	Community Facilities	SF	7
821	Heating Plants	SF	5
		MBH	3×10^3
830	Sewage Treatment Plants	MGPD	200×10^3

*Coincident demand for multiple units.

For definitive drawings of electric power plants and steam electric generator plants, see Definitive Designs, NAVFAC P-272, Part 2.