
Section 4.0 Design Basis and Interconnection Points

4.1 Design Basis

Design Conditions

Site Elevation	100 Ft.
Design Air Temperature	80° F
Air Temperature, Low	75° F
Maximum Wind Velocity	100 mph
Design Relative Humidity	78%
Seismic Zone	4
Fuel Gas Supply Pressure	230 psig minimum
Medium Voltage Interconnect	13.8 KV
Instrument Air System	185 scfm
Demin. Water Supply (max liq. Fuel)	48 gpm

4.2 Interconnect Points

Interconnect Points with Owner Facilities

Fuel Gas	Customer Meter Station 250 psig at Arrecife Power House
Plant Waste Water	At existing waste water system
Plant Waste Oil	At waste oil tank at Arrecifes Power House
Telephone	None
Fire Water Supply	At existing Firewater System adjacent to the Site
Raw Water Supply	At existing Raw Water Tanks above the Site