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## **Section 4.0 Design Basis and Interconnection Points**

### **4.1 Design Conditions**

#### **Design Conditions (Assumed)**

Site Elevation	100 feet
Air Temperature, High	80° F
Air Temperature, Low	75° F
Maximum Wind Velocity	100 mph
Relative Humidity	78%
Seismic Zone	4
Fuel Gas Supply Pressure	230 psig minimum
Total NOx water Injection	37.5 gpm
Total Sprint water injection	36.2 gpm
High Voltage Interconnect	13.8 KV At Owner GSU
Instrument Air System	185 scfm by Contractor

### **4.2 Interconnect Points**

#### **Interconnect Points with Owner Facilities**

Fuel Gas	Downstream Customer Meter Station 230 psig at the Arrecifes Power House
Plant Waste Water	A waste water interconnect to Owner's existing Waste Water System
Plant Waste Oil	At waste oil tank pump to Owner's truck
13.8 KV	Owner's 13.8 / 69KV GSU's
Telephone	None
Fire Water Supply	At existing Main Firewater Header System adjacent to site
Raw Water Supply	At existing Raw Water Tanks above the site