ESTIMATED ENERGY PRODUCTION

Date Range
2001-11-12 TO 2002-11-18

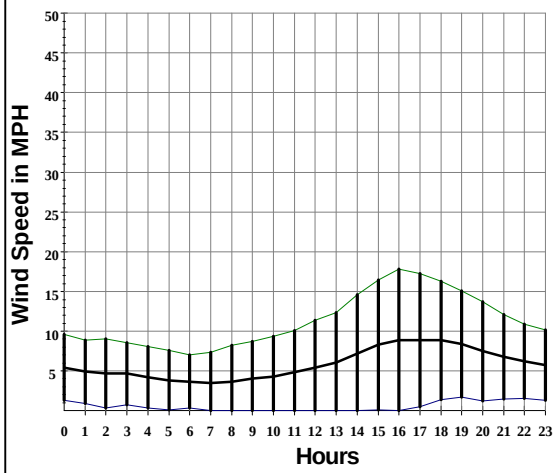
SITE 0015

Site Information

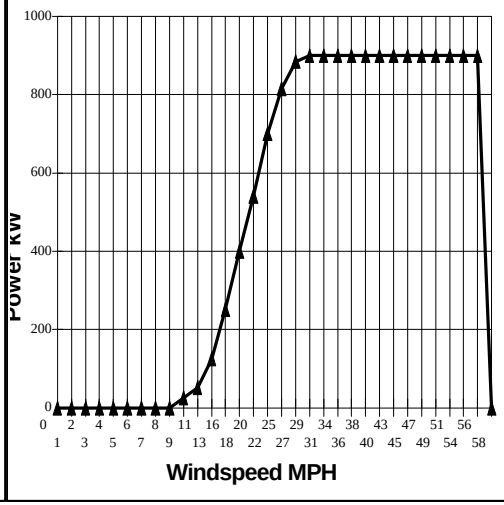
Project:	Utah State Wind
Location:	M Nielson, S Salt Lake City, UT
Site Elevation:	5338FT
Averaging Time:	10 min

Sensor 1 Information		*Sensor 2 Information*	
Channel:	1	Channel:	2
Type:	Anemometer	Type:	Direction Vane
Scale:	1.711000000	Scale:	1.000000000
Offset:	0.7800	Offset:	0.0000
Description:	Anemometer	Description:	Direction Vane
Height:	66FT	Height:	66FT

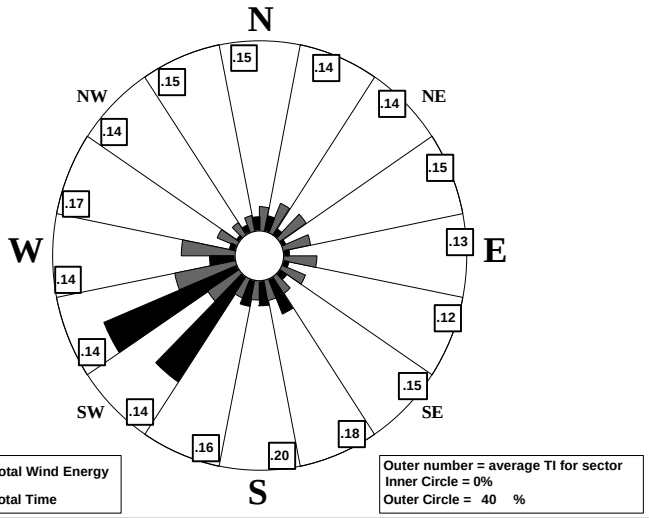
Diurnal Wind Speed Pattern



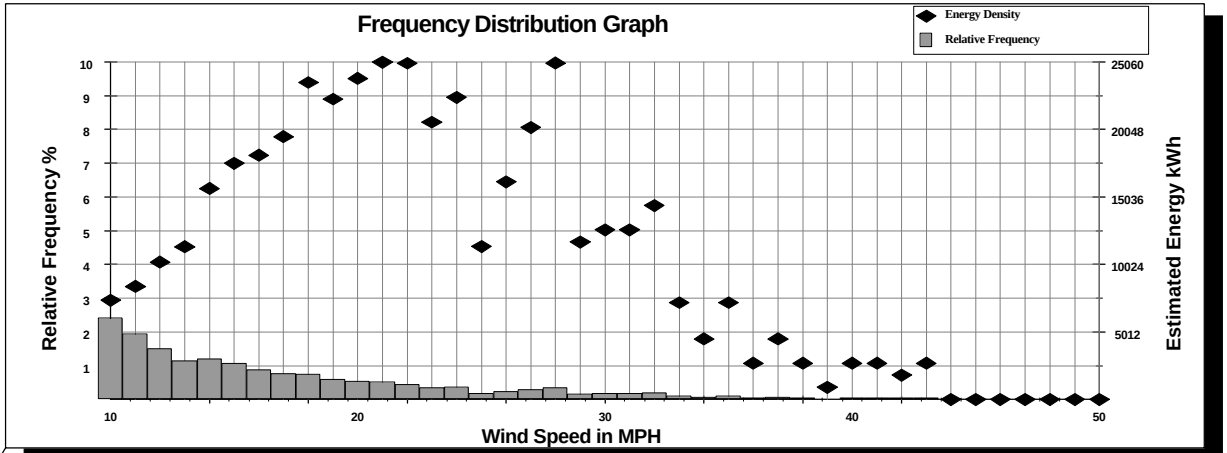
Power Curve for 900 kW Series



WIND ROSE GRAPH



Frequency Distribution Graph



Statistics

Estimated Energy Output	**437031 KWH**
Calculated Air Density	**1.036 kg/m3**
(temperature data and pressure based on elevation)	
Average Wind Speed	**5.8 MPH**
Average Turbulence Intensity	**0.15**
Mean Energy Wind Direction	**WSW**
Mean Wind Direction	**WSW**
Capacity Factor	**0.06**
Average Temperature	**0.0 F**
Turbine Manufacturer	**Enron Wind**
Turbine Model	**900 kW Series**
Turbine Rating	**900.0 kW**
Number of Turbines	**1**
Estimated Annual Production	**480893 KWH/Year**

Total hours = 8928 Total hours used in Calculations = 7961 Percent Data used = 89.1