ESTIMATED ENERGY PRODUCTION

Date Range
2002-06-01 TO 2002-06-30

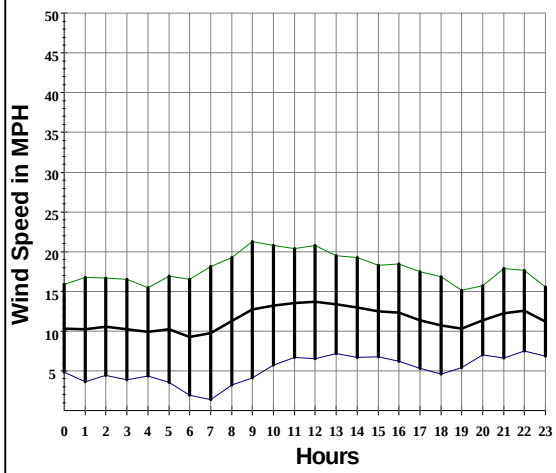
SITE 0003

Site Information

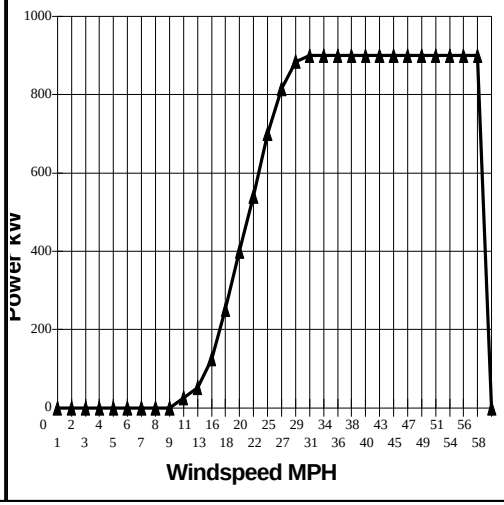
Project:	Ft Hall
Location:	Ft Hall, Siphon Road
Site Elevation:	4800FT
Averaging Time:	10 min

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:	180.0000
Description:	Anemometer	Description:	Direction Vane
Height:	66FT	Height:	66FT

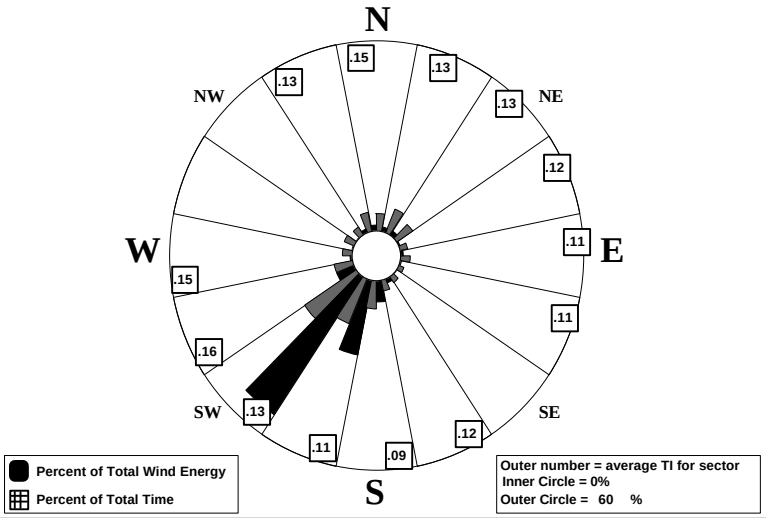
Diurnal Wind Speed Pattern



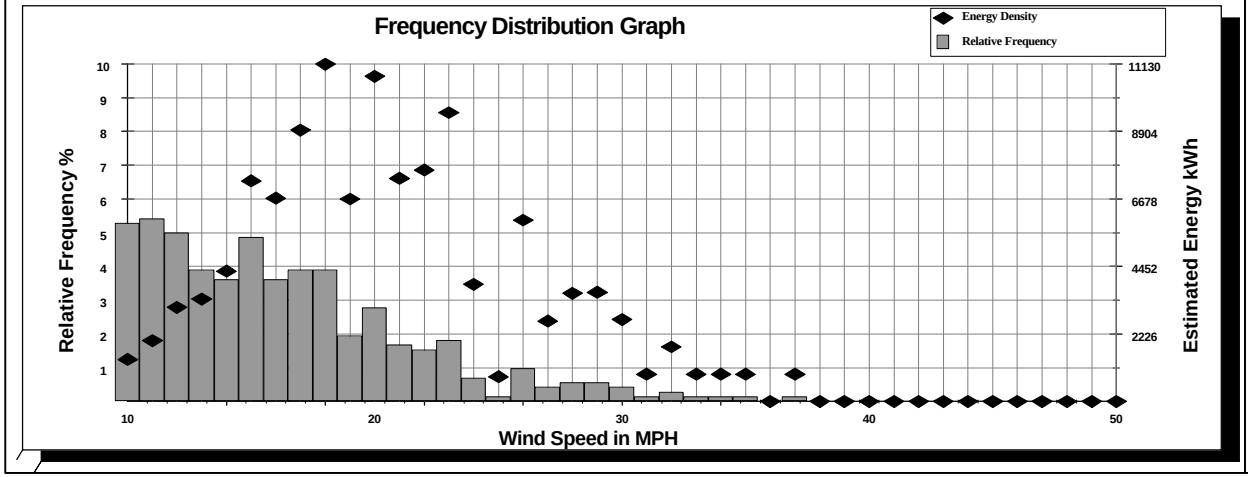
Power Curve for 900 kW Series



WIND ROSE GRAPH



Frequency Distribution Graph



Statistics

Estimated Energy Output	**120156 KWH**
Calculated Air Density	**1.054 kg/m3**
(temperature data and pressure based on elevation)	
Average Wind Speed	**11.5 MPH**
Average Turbulence Intensity	**0.13**
Mean Energy Wind Direction	**SW**
Mean Wind Direction	**SW**
Capacity Factor	**0.19**
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	**1468015 KWH/Year**

Total hours = 720 Total hours used in Calculations = 717 Percent Data used = 99.5

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