Site Information

Project: Deep Creek
Location: Clark County
Site Elevation: 6360 ft
Averaging Time: 10 min
Date Range: 5/20/08 0:00-5/19/09 23:50

Sensor Information

Sensor/Tower Height: 98 ft
Scaled Height: 262 ft
Windvane Offset: 0 degrees

Statistics

Days Used in Calculation: 337.24
Hours Used in Calculation: 8093.67
Gust Speed: 59.3 mph
Gust Time: 3/26/2009 9:00
Estimated Energy Output: 2572246 kWh
Calculated Air Density: 1.002 kg/m^3
Average Wind Speed: 11.75 mph
Average Wind Direction: 142 degrees
Capacity Factor: 0.21
Turbine Manufacturer: GE
Turbine Model: GE 1.5 SL, 77m rotor
Turbine Rating: 1500 kW
Estimated Annual Production: 2784013 kWh/Year

Scaled Est. Annual Production: 3431953 kWh/Year
Scaled Air Density: 0.997 kg/m^3
Scaled Capacity Factor: 0.26