

HIGH WINDS FACILITY PROFILE



Solano County, California
Project Location

September 30, 2003
Commercial On-line Date
(COD)

145.8 MW / 162 MW
Initial Capacity / Total Capacity

950,810 MWh
Annual Energy Production



Project Site:

- Ridge tops in the Montezuma Hills, Rio Vista Area
- Sites on sheep grazing lands and barley fields, with farmers receiving \$2,500 to \$4,000 in land lease payments per wind turbine. Utilizes typically only 2% of farmland.
- Wind speed range of 14.5 mph at lower elevations up to 17.7mph

Turbines:

- 90 Vestas V80 1.8 MW turbines
- The turbines are 60 meters tall at the turbine hub and 100 meters tall including the turbine blades. The diameter of the “swept area” covered by the turbine blades is 80 meters
- High Winds' turbines can rotate to face oncoming breezes and capture energy at wind speeds from 8 to 55 mph, said FPL spokesman Steven Stengel.
- The tower is multi layer coated, made of conical tubular steel with an interior safety ladder.



Output:

- The 90-turbine High Winds wind project will generate enough energy to serve 75,000 homes
- Will be the largest windmill project to date in California based on its number of megawatts