TUOLUMNE WIND PROJECT

WATER & POWER
Serving Central California since 1887

The Tuolumne Wind Project began commercial operation on May 28, 2009 and added a significant amount of renewable energy to the District's portfolio, taking it to the 28 percent qualified renewable energy eight years ahead of the Board of Director's adopted goal of 20 percent by 2017.

Located in Klickitat County, Washington along the Columbia River, the site has been recognized as one of the most productive wind resource areas in the Western United States.

This is the first wind facility owned by TID. It plays an important role in providing clean renewable energy that diversifies and complements our extensive energy portfolio. Currently, TID's ratepayers enjoy a substantial share of the clean and renewable Don Pedro large hydro project and TID's Renewable Portfolio Standard (RPS) which includes small hydro, solar, geothermal, and wind.

A wind turbine is a type of wind energy system that transforms the kinetic energy of the wind into electrical energy that can be harnessed for practical use. While the wind turbines of the past were relatively simple, today's wind turbines are complex machines that monitor and adjust for optimal generating efficiency and for safety and environmental purposes. Power generated by the turbines is transferred to a transformer which raises the voltage to that of the level of the electrical collection system. Cables carry the electricity from groups of wind turbines and transmit to a collection substation.

TWP BY THE NUMBERS

136 MEGAWATTS (MW)
Maximum power generation

62 TURBINES
Each generating between 2-2.3 MW of electricity

262 FEET
Height of turbine towers

270 FEET
Diameter of each rotor

18 PERCENT
The percentage of TID's renewable retail power supply contributed by TWP which supports TID's Renewable Portfolio Standards (RPS) annually

150,000 METRIC TONS
TWP serves nearly 20% of TID's retail demand, carbon free, offsetting over 150,000 metric tons of greenhouse gases annually