

Naughton Plant



PACIFICORP

Rocky Mountain Power
Pacific Power
PacifiCorp Energy



Naughton Plant is named for Edward M. Naughton, a former president of Utah Power & Light Co., now Rocky Mountain Power. We commissioned Unit 1 in 1963 on 1,120 acres near Kemmerer, Wyo., and added two more units during the following eight years, for a total generating capability of 700 megawatts. PacifiCorp owns and operates the plant.

We have electrostatic precipitators on all three units to control particulate emissions and Unit 3 additionally is equipped with a wet sulfur-dioxide scrubber. That scrubber uses a byproduct from the coal mine – unrefined soda ash water – as a reagent. Plans are in the offering for new scrubbers on Units 1 and 2, both to use the same mine water byproduct.

We can burn as much as 2.8 million tons of sub-bituminous coal at Naughton per year. It comes from adjacent coal deposits mined by Chevron Mining Inc., delivered on a 4,200-foot belt conveyor.

That coal is burned in a boiler 20 stories tall to produce steam that is 1,800 pounds per square inch at Units 1 and 2 – 2,400 PSI on Unit 3 – at nearly 1,000 degrees Fahrenheit. Pipes carry that steam to the turbine to turn its blades to engage the generator to produce electricity.

The spent steam is sent to the condenser, where cool water tubes transform the steam back into water. That water is returned to the boiler to again be heated into steam to repeat the cycle. Excess heat is sent to large cooling towers where the heat is transferred to the atmosphere, creating white plumes often seen rising above the plant.

Water for plant operations are conveyed by pipeline from a diversion dam and pump station 8 miles from the Hams Fork River.

Power generated by Naughton Plant begins its journey to customers through high-voltage transmission lines that connect with substations in Evanston and Rock Springs, Wyo.; Ogden, Utah; and north of Preston, Idaho.

Viva Naughton adds to power output

Fifteen miles upstream from Naughton Plant is Viva Naughton Dam, named for Edward Naughton's wife. The earthen embankment is about 70 feet high and 3,200 feet long. The drainage area above the dam contains 235 square miles and collects about 100,000 acre feet of water annually, and the dam impounds 45,370 acre feet of water. Two fully automatic hydroelectric plants were installed in 1986 at the "toe" of the dam, where they are capable of generating a combined 750 kilowatts.

Recreation opportunities

Generating recreation opportunities with the same resources we use to generate power is an additional way PacifiCorp provides for the community.

Viva Naughton Marina provides a restaurant, camp sites, boat ramp, restroom and fee parking near fishing areas.

At the Hams Fork Fishing Area, trout fishing access is available along the riverbank, as well as camp sites in Bridger Forest. The area is also popular for snowmobiling and hunting.

Fishing, parking and picnic tables are also available to the public during spring, summer and autumn at the Naughton Unit 3 Pond. Although motorized boats are prohibited, other flotation devices are allowed.

Visit pacificorp.com/recreation for details about the recreation amenities – and any fees – at our recreation areas.

PacifiCorp is one of the lowest-cost electricity producers in the United States, providing approximately 1.7 million customers in the West with reliable, efficient energy. PacifiCorp operates as Rocky Mountain Power in Utah, Wyoming and Idaho, and as Pacific Power in Oregon, Washington and California. PacifiCorp's electric generation, commercial and energy trading, and mining functions are operated as PacifiCorp Energy.

We are serious about our commitment to the communities in which we do business. So are our 140 Naughton Plant employees. They are active in their communities and – as a group – contribute to the health of those communities through local initiatives and through our Community Giving Campaign, which includes the United Way and other human services organizations.

