

North Umpqua River Hydroelectric Project



PACIFICORP

Pacific Power
Rocky Mountain Power
PacifiCorp Energy



Lemolo I Hydroelectric Development

The North Umpqua Hydroelectric Project in southern Oregon's Cascade Mountains generates 188.49 megawatts of emission-free energy.

PacifiCorp owns and operates eight distinct developments constructed between 1947 and 1956:

- **Lemolo 1:** 31.99 MW
- **Lemolo 2:** 38.55 MW
- **Clearwater 1:** 15 MW
- **Clearwater 2:** 26 MW
- **Toketee:** 42.5 MW
- **Fish Creek:** 11 MW
- **Slide Creek:** 18 MW
- **Soda Springs:** 11 MW

We are serious about our responsibility as a steward of the environment, including the North Umpqua's natural surroundings, and fish and wildlife habitat. PacifiCorp maintains and enhances what nature offers and makes significant investments while we retain considerable benefits for our customers in the form of low-cost renewable energy resources. The North Umpqua Hydroelectric Project has been certified by the Low Impact Hydropower Institute.

Fish passage facilities at Soda Springs Dam were completed in 2012 and provide access to nearly six miles of historic habitat for salmon and steelhead. This is the major project among the \$120 million in fish and wildlife enhancement actions prescribed in PacifiCorp's 35-year operating license granted by the Federal Energy Regulatory Commission in 2003. Special care was taken during this work to minimize any disruption for downriver users.

Work in 2011 on another project prescribed in the license provided a tailrace barrier to protect fish from hydropower turbines at the Slide Creek powerhouse, upstream of Soda Springs Dam. Similar to one completed below the Soda Springs powerhouse in 2007, the tailrace barrier will protect upstream migrating fish from effects related to outflows from the powerhouse.

Recreation on the North Umpqua River

Three reservoirs – Lemolo, Toketee and Soda Springs – and four forebays provide water storage for the hydroelectric projects. They also provide recreation opportunities for neighbors and visitors, including: boating, camping, hiking, biking and fishing. Additionally, Lemolo and Toketee lakes offer viewpoints and boat launches.

All of the recreation sites are operated and maintained by the U.S. Forest Service Umpqua National Forest. For more information about these recreation facilities, visit www.fs.fed.us/r6/umpqua/recreation or call the Diamond Lake Ranger District at 541-498-2531.

A new fish passage facility was placed in the middle of the existing Soda Springs Hydroelectric Development

Generating recreation opportunities with the same resources PacifiCorp uses to generate power is an additional way we provide benefits to the community.

PacifiCorp is one of the lowest-cost electricity producers in the United States, providing almost 1.9 million customers in the West with reliable, efficient energy. PacifiCorp operates as Pacific Power in Oregon, Washington and California, and as Rocky Mountain Power in Utah, Wyoming and Idaho. PacifiCorp's electric generation, commercial and energy trading, and mining functions are operated as PacifiCorp Energy.

Some of the renewable attributes associated with PacifiCorp's owned hydro electric facilities may be used to comply with state renewable portfolio standards or other regulatory requirements, or sold to third parties in the form of renewable energy credits or other environmental commodities.

