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Canyon Hydro Starts Up New Hydroelectric System for City of Logan, Utah

Deming, WA USA – March 22, 2011 – Canyon Hydro, a USA manufacturer of hydroelectric turbine systems, has completed the startup of a new Francis-type system for the City of Logan, Utah. The new hydropower system integrates with the city's water supply line and generates enough electricity to power nearly 200 homes.

The new hydropower system is known as an “energy recovery” system. It takes advantage of the excess pressure built up when water is piped in from the mountains to the city. Before the turbine was in place, the city had to use relief valves to relieve some of this pressure before the water was fed into neighborhood plumbing systems.

“A pressure relief valve or (PRV) is commonly used to waste or dissipate valuable hydraulic energy in municipal water pipelines,” said Jeff White, Director of Logan City Light, & Power, a municipally-owned utility located in northern Utah. “We decided to capture that energy and put it to work for our community by installing a hydraulic turbine from Canyon Hydro to replace the use of the PRV. With a few plumbing changes inside our existing valve control building, we are now delivering 100% carbon-free energy and reducing our reliance on fossil fuel power.”



The Canyon Hydro Francis-type turbine fits into the existing water treatment facility for the City of Logan, Utah.

The Francis-type turbine was made in the USA by Canyon Hydro, located in Washington State. The entire system was custom-designed to obtain maximum generating efficiency based on the specific site dimensions, water pressure and flow rates available. The new system will help the community become more energy-independent for several decades to come.

About Canyon Hydro

Canyon Hydro is the waterpower division of Canyon Industries, Inc., an American company. Canyon has been in business for more than 35 years, and manufactures its own Pelton, Francis, and Crossflow-type hydroelectric turbines. Canyon Hydro also provides extensive refurbishment and replacement services, as well as on-site machining. www.canyonhydro.com.

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