

# CURRENT PROJECTS

## Trappers Creek, Schweitzer Mountain Resort - Sandpoint, Idaho

(pictured at left)

Western States Geothermal designed, engineered and installed a geothermal district energy system for 35 homes and the roadway snowmelt system. The district energy system will also provide chilled water to improve the energy efficiency of the ski resort's snow making system and has been designed to allow for future expansion.



## Lucky Seven Ranch - Ketchum, Idaho

(pictured above)

This retreat is a leading example of the versatility and energy efficiency of a geothermal heat pump system. Western States Geothermal designed and installed this 59-ton geothermal mechanical system, including controls, to provide radiant heat, pool and spa heating, snowmelt and air conditioning.

## Northwood Place Community Workforce Housing - Ketchum, Idaho

Northwood Place provides 32 units of rent controlled housing for the City of Ketchum. From the beginning Western States Geothermal worked with the developer, architect and general contractor to provide geothermal consulting, design development estimates, and installation services. This open loop geothermal system provides snowmelt for the driveways and paths and HVAC to the Community Center.

## Sereno - Playa Del Carmen, Mexico

A cooling dominated project, Western States Geothermal designed this innovative open loop geothermal heat pump system, which maximizes the energy efficiency of the air conditioning with the rejection of waste heat to domestic hot water, pools and spas.

## Quigley Canyon Ranch - Hailey, Idaho

Western States Geothermal provided a feasibility study for the development team to evaluate the implementation of Geothermal District Energy System to provide heating and cooling service to the 386 residences of the planned golf course community. The study demonstrated favorable results for the developer, homeowners, golf course and environment.

For existing buildings, WSG offers energy audits. “We assess what the current energy demand is by evaluating existing equipment, counting appliances and calculating the loads and energy cost,” described Ron Pierce. “Then with a target for savings, we make recommendations through a feasibility study. If it doesn’t make sense, we don’t recommend it.”

WSG considers a breadth of systems in the feasibility study: high-performance HVAC, geothermal, a combination of high-performance heating and geothermal or solar, furnace or boiler replacement, and hybrid systems that maximize the benefits of temperature differentials. “For the mountain environment, geothermal-boiler hybrid systems work especially well when snowmelt is used,” noted Pierce.

## DELIVERING on the PROMISE

WSG is committed to making homes and buildings as energy efficient as possible, and they assert the technology is here. Troy Quesnel, who has a background in high-end construction, responded to the question about cost. “There is a higher initial cost, but it is rapidly recovered through lower operating costs, tax credits and incentives. After the initial costs are recovered, the savings continue, making it a great investment that raises resale value.”

“We embrace the saying *delivering on the promise* because we have the focus, discipline, and commitment to get the job done right the first time,” added Ron Pierce. “We’re pragmatists, so our energy solutions make sense and work for the client.”

*For more information call Western States Geothermal at 208.726.0637 or visit [www.westernstatesgeo.com](http://www.westernstatesgeo.com)*