

Micro-hydro Capabilities

Gardner Energy has been designing and installing micro-hydro systems for the past 18 years and has installed 20 micro hydro systems in the intermountain west. Micro hydro power, just like solar power, can be designed for grid-tie with net metering, off-grid and grid-tie with battery backup. Micro hydro systems are typically designed to meet the customer's needs even though at times the potential exists to generate far more power than is needed. Because hydropower operates 24 hours a day a small system can provide enough energy for residential or small commercial customers.

Case Study:

Herd Hydro system, Logan, Utah

- 200 watt pelton wheel off-grid hydroelectric system
- 45 feet of head
- 50 gpm flow

The owner parked an RV vehicle on his property near a stream and wanted power for lights in the vehicle. The system is small and runs year round from a small spring located up a hill from the site.

