

**DWSRF ARRA Success Story:
ARRA Funds Renewable Hydropower in Afton, WY**

Funding from the American Recovery and Reinvestment Act has made possible an innovative project to install a micro-hydropower system in a water system serving the Town of Afton, Wyoming. The system will generate enough renewable, carbon-free energy to run the town's water system, and should produce surplus energy to be sold to the local energy utility. This unique project was partially funded by the ARRA, through the Drinking Water State Revolving Fund.

The hydropower system has been installed between the source and the town's one million gallon storage tank. The water's gravity-driven flow will be harnessed by a turbine-driven generator to generate 1,272,463 kWh of electricity – at current rates, \$95,435 worth of energy a year! This amount is sufficient to power the entire water system with plenty to spare – and the surplus energy will be sold to the local utility, Lower Valley Energy, Inc. Recovery Act funding allowed the town to complete these improvements with minimal increases of customers' water rates, and revenues from sales of renewable energy to Lower Valley Energy will further mitigate rate increases.