

Water Supply Services

- Source Identification and Evaluation
- Treatment Facilities
- Storage Facilities
- Transmission Systems
- Distribution Systems
- Easement Negotiations
- Financing Options Analysis
- Privatized Community Water Systems
- Detailed Record (“As-built”) Plans



600,000 GALLON WATER TANK
City of Buffalo, Wyoming

In much of the world, access to clean drinking water is not assured. Even in the United States, it is not always guaranteed. Securing and maintaining such access is one of the primary quality-of-life challenges that municipalities face today and will continue to face in the future.

Nelson Engineering is a leader in water resources planning and design for Wyoming’s municipalities. Since opening our doors in 1964, we have designed expansions, rehabilitations, and new water systems throughout the state. Our very first project was to convert the Town of Jackson supply system from a contaminated surface water source to a pure, dependable water system. Today we are overseeing construction of our design for comprehensive upgrades to the Green River/Rock Springs/Sweetwater County Joint Powers Water Board regional water system. Our designs encompass all facets of water supply: source, treatment, storage, distribution, and quality. We are especially adept at developing groundwater resources for public supply—from site selection and well design, to system modeling and pump selection.

Most importantly, we work with you to design a system that will serve your customers for many years. We listen to your needs, evaluate your problem, and develop a plan of action. Our wealth of experience in water supply, along with our detailed knowledge of AWWA industry standards, informs our design approach to potable water supply engineering.

In addition to our technical expertise, Nelson Engineering also has experience with helping municipalities develop financing options to fund the development, operation, and maintenance of their water systems. Over the years, Nelson Engineering has frequently worked with water service organizations such as the Wyoming Water Development Commission and the Rural Water Association to help municipalities address water supply concerns, including those related to project financing.



DRILLING 16" WATER SUPPLY WELL
Teton Village, Wyoming



TURBIDITY MONITORING INSTALLATION