

Drinking Water State Revolving Fund



City of Prosser Water System Improvements



Prosser added green sand pressure filters to increase its capacity.

Providing safe, reliable drinking water is a big job. The City of Prosser in Benton County provides drinking water to 2,800 homes and businesses, with a full-time residential population of 5,900.

The city's primary water supply is a well field, which has naturally occurring manganese that exceeds the secondary (aesthetic) maximum contaminant level. The water system also has wrestled with its disinfection system and aging infrastructure. All of these problems are being addressed with a series of projects.

Project Benefits

The city is using a \$1.98 million Drinking Water State Revolving Fund (DWSRF) loan to construct a new hypochlorite disinfection system at its water treatment plant. It will replace the existing gas chlorination system to improve safety and performance. The new system will include additional injection points to improve disinfection and residuals.

The loan will also pay for adding two new green sand pressure filters to the existing filtration plant. This would bring the total number of green sand pressure filters to eight and increase the system's drinking water capacity from 5.3 million gallons a day to 7.1 million gallons a day. New feed pumps will be added to improve performance and increase accuracy of treatment.

City of Prosser Improvement Project Funding Sources	
Funding Source	Amount
Drinking Water State Revolving Fund	\$1,999,800 (includes \$19,800 loan fee)
City of Prosser	\$183,210
Total budgeted to date	\$2,101,680
The current estimate to complete this project is \$2,183,010	

The project also includes adding backup power supplies to two wells supplying the city's largest sources of water. This will help protect the city against water outages, which can be costly and disruptive.

Want to learn more?

More DWSRF success stories are available online at <http://www.doh.wa.gov/DWSRF.aspx>

For people with disabilities, this document is available on request in other formats. To submit a request, please call 1-800-525-0127 (TDD/TTY call 711).