



Drinking Water State Revolving Fund

City of Shelton

New Upper Mountain View Pressure Zone Project

Capital improvements to our public water systems are critical to the long-term health and economic vitality of communities. The Drinking Water State Revolving Fund (DWSRF) loan program provides low-interest loans to eligible public water systems to build, repair, and redesign infrastructure.

The City of Shelton applied for a DWSRF loan to develop infrastructure to provide water to portions of the Shelton Urban Growth Area and improve service to the northern portion of the city (Mountain View Pressure Zone).

New Upper Mountain View Pressure Zone	
Funding Source	Amount
Drinking Water State Revolving Fund	\$9,099,999 (includes loan fee)
Internal Funds	\$1,600,000
Total budgeted to day	\$10,699,999
23% subsidy rate saved the city \$2,095,030,	

The project will construct new reservoirs at two sites, a new booster pump station, replace two existing pumps, and add two new pressure reducing stations to improve operation of the city's water system. The City of Shelton received their DWSRF loan in 2013 for \$9,009,900.



An example of a booster pump station.

The first phase of the project, now in the bidding process, will begin to address problems the water system is facing. First, it will create a new Upper Mountain View Pressure Zone to increase system capacity to provide water to the northeast portions of the Shelton Urban Growth Area (UGA). Phase two of the project, currently in design, will also fix deficient water storage, consolidate existing Group A water systems nearby, provide water to the northwest portions of the UGA, and treat an existing well to eliminate elevated levels of hydrogen sulfide causing taste and odor problems.

Consolidate

The city plans to consolidate multiple existing Group A water systems during the project. The water systems they plan to consolidate include Washington State Patrol Academy, Mason County Public Works, and Dayton Airport Business Park. The Washington Corrections Center, Hidden Haven Home Park, Evergreen Mobile Estates, and Rae Lake are all systems the city could consolidate in the future.

Project Benefits

The new Upper Mountain View Pressure Zone project will:

- Create flexibility for the city because at least two sources will be available to contribute to any pressure zone at any given time.
- Be critical in establishing necessary pressure to service the two new UGA water connections.
- Enable the city to have plenty of storage to potentially address multiple fire emergencies simultaneously.
- Allow the city to be able to shut down parts of the water system for maintenance without affecting the overall water system

Want to learn more?

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