



# Drinking Water State Revolving Fund

## Jefferson County Public Utility District #1 Water system consolidation and water treatment projects



Photo Courtesy Jefferson PUD

The new Sparling well and treatment plant.

Jefferson County Public Utility District #1 (PUD) is using Drinking Water State Revolving Fund loans to consolidate several small systems into the larger Quimper regional water system.

The consolidation helped two smaller systems that were facing overwhelmingly expensive regulatory requirements, and it makes for efficiencies in water management, operations and usage. It also provides the regional Quimper water system with multiple water sources for better system hydraulics and water resource management.

The Office of Drinking Water has an ongoing program to identify candidates for consolidation with larger water systems because small water systems tend to have more capacity problems than larger ones.

### Sparling Well and treatment plant

Drinking Water State Revolving Fund (DWSRF) Loans in 2010 and 2013 – totaling about \$2.4 million – enabled the utility district to drill the Sparling Well and a construct a new water treatment plant. This allowed the PUD’s Local Utility District #3 to switch from unfiltered surface water to well water.

Port Townsend had been providing the district with untreated river water. Because the watershed that drains into the rivers is not tightly controlled, Port Townsend and Local Utility District #3 are required to treat the water to remove parasites, such as *Cryptosporidium*.

Sparling Well and Treatment Plant	
DWSRF loan	\$1.6 million (2010)
DWSRF loan	\$843,350 (2013)
Balance of Jefferson County Public Infrastructure Fund	\$500,000
PUD reserves	\$250,000
<b>1% interest vs. 3% (approximate rate of Aa2 bond issue), saved Jefferson County PUD approximately \$400K in debt service on 2010 &amp; 2013 loans</b>	

Port Townsend has chosen to build a water filtration plant. The Local Utility District, by switching to well water, avoided that expense.

The bulk of the work on the treatment plant and well was accomplished with a \$1.6 million DWSRF loan granted in 2010. The PUD received another \$843,350 loan in 2013 to finish the project because a Public Works Trust Fund loan that would have covered the rest fell through.

## **Kala Point acquisition**

In 2012, the Jefferson PUD received a \$1,089,000 loan DWSRF loan to acquire and upgrade the privately-owned Kala Point water system, and consolidate Kala Point and the PUD's Local Utility District #3 water system into the larger Quimper water system.

<b>Kala Point Acquisition and upgrade</b>	
DWSRF loan	\$1,089,000
PUD rates and charges	\$450,000
PUD in-kind effort	\$70,000
PUD reserves	\$100,000

The project required laying pipes to inter-tie the water systems, installing service meters, source meters and control valve stations, replacing Kala Point's treatment system with an energy-efficient iron and manganese removal system.

When all of the work is completed, Kala Point and Local Utility District #3 will cease to exist as legal entities.

## **Want to learn more?**

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