



Drinking Water State Revolving Fund

City of Lynden Water Treatment Plant Replacement

Congress created the federal Drinking Water State Revolving Fund (DWSRF) loan program in 1996 after reauthorizing the Safe Drinking Water Act. The program provides public water systems with low-interest loans allowing systems to address public health issues.



*Photo provided by City of Lynden
Rendering of replacement Lynden Water Treatment Plant*

The City of Lynden applied for multiple DWSRF loans to replace their old and undersized surface water treatment plant. The original plant, built in 1926, has serious code and structural issues. It has no room for expansion and cannot meet peak demands, forcing the city to rely on water storage. The new water treatment plant will ensure reliable water supply to Lynden and have the capacity to provide water to at least six nearby systems that have high nitrate levels.

Project upgrades

This project includes all site preparation, design, and construction work required to replace the old plant. The new plant will help Lynden meet current water quality standards, effectively removing contaminants present in source water from the Nooksack River. The project upgrades many features of the outdated treatment plant. Some upgrades include pretreatment with grit removal, chemical flash mixing, ultraviolet light for primary disinfection, and onsite chlorine generation for secondary distribution disinfection. The complex project is expected to be complete by the end of August 2015.

Water Treatment Plant Replacement (2011-2013)	
Funding Source	Amount
Drinking Water State Revolving Fund	\$21,715,000 (includes loan fee)
Public Works Board Trust Fund Loan	\$9,200,000
U.S. Department of Agriculture Loan	\$8,000,000
Whatcom County Economic Development Incentive Grant	\$2,000,000
Whatcom County Economic Development Incentive Loan	\$4,000,000
Internal Funds	\$2,000,000
Total budgeted to date	\$38,915,000
Lower 1.5% interest rate will save Lynden more than \$4.7M over the 20 year term¹.	

¹ Assumes 3% interest rate and 5% cost to issue bonds and service debt.

Public health benefits

The new plant will provide an additional level of treatment for Cryptosporidium and reduce disinfection byproducts. It also allows the city to meet federal requirements for the Long Term 2 Enhanced Surface Water Treatment, Stage 2 Disinfection, and Disinfection By-product rules.

Want to learn more?

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