

SFY 2018 DWSRF Construction Loans - Funded Projects

Applicant	DOH #	Project Name	County	Loan Amount	Final Score	Legislative District	Project Description
Port of Walla Walla	2017-2235	Tyson and Burbank Shell Water Consolidation	Walla Walla County	\$6,060,000	124	16	The Port of Walla Walla has proposed improvements to allow service to two nearby water systems that exceed nitrate in their drinking water: Tyson and Burbank Shell. In addition, the Port needs to improve their existing water system to address a fluoride exceedance. The Port proposes to develop two of its existing shallow alluvium wells for blending with the basalt well water, construct two new 5 million gallon reservoirs, and install approximately 44,000 linear feet of 30- and 32-inch transmission mains from the wells to the reservoir plus additional distribution mains from the reservoir to Tyson and Burbank Shell.
City of College Place	2017-2241	Christ Community Fellowship (CCF) Consolidation	Walla Walla County	\$1,207,385	123	16	CCF has been under DOH enforcement action for years to address high nitrates (17 mg/L) in their well. The project will consolidate the CCF Water System with City of College Place. Improvements are proposed to be constructed in two phases, and include development of a replacement city-owned well on CCF property drilled into the same Columbia River Basalt Group Aquifer that the city's existing wells are completed within. Project components include installation of 4,500 feet of 12" water main (any additional costs of increasing line size above 8" to be borne by city funding) to connect the proposed well to the existing water system with a similar flow and pressure as the city's existing sources, and consolidation of the city's water rights as they relate to the new well location.
City of Richland	2017-1967	Lorayne J Water System Consolidation	Benton County	\$1,799,951	117	8	City of Richland will consolidate the Lorayne J water system to allow Lorayne J to abandon its high nitrate well. Lorayne J has exceeded nitrates for years and has been served through an emergency connection with the City. Improvements include approximately 9,200 feet of 8" water main and 118 water service connections.

Applicant	DOH #	Project Name	County	Loan Amount	Final Score	Legislative District	Project Description
Snohomish County PUD	2017-2265	Warm Beach Association Consolidation	Snohomish County	\$2,746,035	70	10	This project will consolidate and add resiliency to the Warm Beach Water Association system by connecting with Snohomish PUD 1 – Kayak water system, improving treatment and SCADA, replacing a well pump, extending approx. 2,450 feet of 8” and 12” pipe, replacing approximately 12,050 feet 6” AC with 8” and 12” pipe, installing a pressure reducing station, abandoning unused tanks and pump station, replacing 10 hydrants and all service meters.
Holiday Hideaway	2017-2226	Aeration Tank 2 (AT2) and Booster Pumps	Skagit County	\$391,375	59	40	Proposed project includes installation of new 59,200 gallon capacity concrete reservoir and booster pump station to increase storage capacity and enhance water quality. Increased storage is designed to protect against sea water intrusion; to regulate withdrawal rates from wells 2, 4 and 5; and to satisfy water right permits conditions. Treatment is designed to reduce iron and manganese concentrations.

Total Funded: \$12,204,746

SFY 2018 DWSRF Construction Loans - Unfunded Projects

Applicant	DOH #	Project Name	County	Loan Amount Request	Final Score	Legislative District	Project Description
City of Othello	2017-2258	Reservoir Project	Adams County	\$2,699,730	44	9	The City needs a new reservoir to address a deficiency in standby storage. In 2015 Othello had an extremely hot summer and experienced mechanical failures in two critical well pumps. While the City frantically worked to repair the well pumps, the City was forced to rely on standby storage to supply its customers. The City enacted water use restrictions during this period to prevent the reservoirs from dropping below the critical elevation that maintains 20 psi in the distribution system. This experience revealed the City needs more standby storage to provide its customers with safe, reliable drinking water.
City of College Place	2017-2257	Well #2	Walla Walla County	\$629,022	43	16	The City's existing Well No. 2 experiences vertical displacement during operation that has been progressively creating reliability issues for the water system. The project will include the drilling of a new well with casing, construction of a well house building, equipping the well with an adequately sized pump and variable frequency drive motor, installation of a chlorination system, and on-site piping to connect the well to the existing transmission system.
City of Prosser	2017-2263	Wells 2 and 3 Replacement	Yakima County	\$2,286,135	43	15	The City's Wells No. 2 and No. 3 are in need of substantial improvements to increase system reliability and safe production of drinking water for City of Prosser service area. The production of these wells has decreased due to sand entering the casing or formation collapse. Diminished well production could impact the City's ability to satisfy peak demands. The proposed project involves replacing Well No. 2 and Well No. 3 with a new source well. The proposed improvements will include a new well building to house the well, piping, and electrical and control equipment, and desanding equipment (if required).
City of Cheney	2017-2256	Well #3 Redrill Project	Spokane County	\$1,818,000	42	6	Well #3 is currently out of commission. This well was developed in 1962 with a production rate of 900 gpm. Since this time production has decreased due to plugging of the basalt rock fissures. The desired yield to meet projected water needs is 900 to 1200 gpm. The project includes preliminary and construction engineering, decommissioning of existing Well #3, and a new well drilled near the same location with a targeted depth of 1200 feet. The project also includes the construction of a new well house with updated chemical injection pumps, telemetry controls, site security, and backup generator.

Applicant	DOH #	Project Name	County	Loan Amount Request	Final Score	Legislative District	Project Description
City of Raymond	2017-2230	Raymond Heights Reservoir Rehabilitation	Pacific County	\$1,555,400	42	19	The City of Raymond (City) has a single distribution system storage reservoir, known as the Raymond Heights Reservoir. It is a painted steel reservoir with a capacity of 3 million gallons (MG), is 44 years old, and is in need of rehabilitation. A 2014 diver-inspection showed a failing coating system and key indicators of metal corrosion throughout the reservoir that are contributing to loss of structural steel. The 3-MG Raymond Heights Reservoir is the second-most valuable asset of the City's water system after the City's water treatment plant. The project consists of installing a smaller reservoir adjacent to the existing 3-MG reservoir to allow the 3-MG reservoir to be taken out of service for re-coating and repairs. This project will also correct the inlet/outlet piping configuration with the addition of a separate outlet line from the existing reservoir that will promote better mixing within the tank.
Alderwood Water & Wastewater District	2017-2255	East Side Water Pressure Reduction Phase 1	Snohomish County	\$3,030,000	41	1	This project will create a new 380 pressure zone and a new 330 pressure zone within Alderwood Water & Wastewater District's 520 pressure zone service area. The purpose of this project is to reduce areas of high water pressure that are currently as high as 185 psi. High water pressures can increase the risk of pipe failure which can be a source of contamination. This project will be accomplished by constructing one new pressure reducing valve (PRV) station and approximately two new isolation valves for the 380 pressure zone and three new PRV stations for the 330 pressure zone.
Town of Palouse	2017-2206	Palouse Water System Improvements	Whitman County	\$2,588,667	41	9	The project consists of: 1) construction of an elevated water storage reservoir adjacent to the City cemetery; 2) upgrade 1,700 LF 4-inch water main to 8-inch water main along Church Street along with 2 hydrants and 19 water services; and 3) upgrade 799 LF 4-inch water main to 8-inch water main along Culton Street with four water services.
City of Olympia	2017-2404	Kaiser Road Water Main Extension to Evergreen Parkway	Thurston County	\$864,171	38	22	This project will install approximately 1,300 linear feet of 12-inch diameter water main along Kaiser Road from the LOTT sewer lift station to Evergreen Park Way, increasing service reliability to the Evergreen State College area. The new main will provide looping to the north end of the 298 pressure zone that includes the Evergreen State College and 603 single family residences. Currently this area is served by a single 12-inch diameter asbestos concrete main via a pressure reducing valve from the 380 pressure zone. This main is 47 years old with a history of breaks.
Mason County PUD #1	2017-2253	View Ridge Heights Booster Station	Mason County	\$97,065	37	35	This project is for the installation of a booster pump station to address system low pressure. Hydraulic modeling of the water system has identified system pressure to be below 30 psi (DOH minimum allowed) during peak demand periods; this was also confirmed by customer complaints.

Applicant	DOH #	Project Name	County	Loan Amount Request	Final Score	Legislative District	Project Description
Town of Cathlamet	2017-2227	2018 Water Main Improvements	Wahkiakum County	\$508,751	36	19	Proposed project is to install an estimated 2,800 lineal feet of 8-inch water main along Columbia Street from Jacobson Road to State Route 4 and along the south side of State Route 4 to Island View Lane. Currently, potable water in this area is conveyed by a 6-inch asbestos cement (AC) water main that traverses cross-county in a northeast direction through private land from Jacobson Road to State Route 4. The City would abandon the smaller AC water main as part of this project.
City of Toppenish	2017-2261	Pump House and Water Distribution System Upgrade	Yakima County	\$1,310,624	36	15	The proposed water main improvements consist of replacement of approximately 3,750 linear feet (LF) of old, deteriorated, and undersized (4-inch) asbestos cement and cast iron water mains, including lead joints and service line gooseneck connectors with new 8-inch water main, and installation of approximately 1,300 LF of new 8-inch water main where none currently exists. Improvements will include new valves, fire hydrants, and water services. As the frequency of required repairs has increased in recent years, the City is concerned that one or more of these pipeline sections could fail. Note: This project did not include sufficient lead component replacement work to warrant a higher score.
Woodland Heights Maintenance Association	2017-2266	Pump House and Water Distribution System Upgrade	King County	\$736,830	35	45	Woodland Heights Water System (WHWS) serves a small community in Woodinville, WA comprised of 35 homes. The existing distribution system is approximately 30 years old and considered to be at the end of its useful life. Leaks were found and repaired in 2012 and 2013. This project includes the following: 1) Replacing the existing distribution system with approximately 1,645 lf of 2-inch HDPE piping and 2,975 lf of 8-inch HDPE piping; 2) Installing service meters on all 35 connections; and 3) Merging the two pressure zones by removing an existing pump, installing pressure reducing valves, replacing existing hydropneumatic tanks and installing variable frequency drives on the booster pumps.
Mason County PUD #1	2017-2254	Hood Canal Main Replacement	Mason County	\$75,531	35	35	Hood Canal improvement program has identified the need for replacing smaller diameter distribution mains to larger 8-inch and 6-inch mains to reduce the system leakage, promote water conservation, and maintain capacity as well as improve performance, efficiency, and reliability. There have been positive tests for contaminants in the past within the system.
City of Grandview	2017-2231	2018 Water Main Replacement	Yakima County	\$1,503,764	35	15	The proposed water main improvements consist of replacing approximately 5,100 linear feet (LF) of old, deteriorated, and undersized steel water main (6- and 8-inch) with new 8- and 10-inch water main. Improvements will include new valves, fire hydrants, and water services. As the frequency of required repairs has increased in recent years, the City is concerned that one or more of these pipeline sections could fail.

Total Unfunded: \$20,897,284

SFY 2018 DWSRF Construction Loans – Ineligible or Bypassed Projects

Applicant	DOH #	Project Name	County	Loan Amount Request	Comments	Legislative District	Project Description
McKee's Beach	2017-2264	Water System Upgrades	Snohomish County	\$636,300	Ineligible	10	McKee's Beach consists of up to 92 residential lots serving both full time and part time recreational properties. In May 2016, McKee's Evergreen Beach Association entered into a compliance agreement with the DOH to address an arsenic exceedance. The proposed project includes installing a water treatment system to remove arsenic, replacing two existing well pumps that have far exceeded their life expectancy, and installing a reservoir.
Grays Harbor County	2017-2236	Copalis Rocks Water System Improvements	Grays Harbor County	\$370,670	Bypassed	24	This project involves distribution improvements (new storage tank and distribution mains) and the transfer of ownership of Copalis Rocks to Grays Harbor County.
Kapowsin/Pierce County	2017-2267	Kapowsin Transmission Main Repair and New Well	Pierce County	\$1,068,075	Ineligible	2	Pierce County was named receiver of the Kapowsin Water District (KWD) on 11/27/2017 and funding is needed for a safe and reliable drinking water source. KWD has suffered unknown damage to the primary potable water transmission main between the source and the distribution point and is currently hauling water. The proposed project is to replace the surface water source with a viable ground water source.
Sandy Hook	2017-2262	Well #2	Island County	\$293,714	Ineligible	10	Project is to provide a second well to ensure continued water supply for over 200 homes that currently are served by an 85-year old well. The new well will tie into the existing supply line and reduce the demand of the existing well. Project also includes treatment to remove manganese and iron.
City of Spokane	2017-2259	High Storage System	Spokane County	\$3,030,000	Bypassed	3	The proposed project includes constructing an additional 4 million gallon reservoir with piping connections in the High Pressure zone system.
City of Spokane	2017-2260	Five Mile Booster	Spokane County	\$2,272,500	Bypassed	3	The Five Mile booster station was built in 1974 and has deteriorated. The proposed project consists of constructing a new booster station and replacing undersized pipe in the vicinity of the new booster station.

Total Ineligible or Bypassed: \$7,671,256