Background

In 2013, the Oregon Legislature passed Senate Bill 839, establishing the Water Supply Development Account to provide grants and loans for water projects that have economic, environmental and social/cultural benefits. The 2020 application deadline was May 28, 2020. The Department received 12 complete applications requesting a total of $18,828,217 in grant funding.

Document Description

The following are project summaries for complete grant applications received by May 28, 2020 for the 2020 Water Project Grants and Loans funding cycle. The project summaries are adapted from submitted project applications. The application summaries are listed in alphabetical order and page number listed below.

Next Steps

The Department is soliciting public comment on the Water Projects Grants and Loans applications through 5:00 pm on August 16, 2020. Public comments submitted on applications will be considered by the Technical Review Team (TRT). The TRT will evaluate applications and make a funding recommendation to the Water Resources Commission. The Department will post the TRT funding recommendation for an additional public comment period. The tentative date for the Commission to make its funding decision is November 2020.

More Information

If you have questions please contact Grant Program Coordinator, Becky Williams, at 503.986.0869 or WRD_DL_waterprojects@oregon.gov.

2020 Applications

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## Basalt Well Project at the Miller Road Treatment Plant

### Project Information (adapted from application)

**Applicant Name:** City of Scappoose  
**County:** Columbia  
**Funding Requested:** $1,275,000 Grant  
**Total Project Cost:** $1,700,000  
**Project Summary:** The objective of the Basalt Well Project is to provide the City of Scappoose with a source of groundwater that will diversify the City’s water supply. The project proposes to construct a basalt well at the City’s existing water treatment plant site to provide a much needed additional water supply. The location selected reduces the impact on, and interference with, the City’s existing alluvial wells. Water from the basalt well would be conveyed directly to the existing treatment plant before being delivered to City customers. The project would allow the City to rely on an a more dependable groundwater source and move away from using its existing surface water source, which has experienced declining flows in the summer months when demands are highest.

## Currant Creek Flow Augmentation and Fish Passage Project

### Project Information (adapted from application)

**Applicant Name:** Young Life  
**County:** Wasco and Jefferson  
**Funding Requested:** $2,289,165 Grant  
**Total Project Cost:** $3,250,705  
**Project Summary:** The proposed project would reconstruct the Currant Creek dam’s spillway using a labyrinth weir design to safely pass a catastrophic flood event and raise the existing dam by 6.5 feet resulting in an additional 434 acre-feet of storage capacity. The project would provide increased stream flow at key times through a Seasonally Varying Flow prescription and an instream flow augmentation of approximately 108.5 acre-feet of legally protected water, as well as construct a new fish passage channel around the falls on Muddy Creek. The project seeks to increase water supply reliability for Young Life operations, improve streamflow and habitat conditions for fish and wildlife in Currant and Muddy Creeks, including opening 11 miles of instream habitat for threatened steelhead within the John Day River system. Completion of the proposed project would promote the safety and future viability of the Young Life operations, open up much needed high-quality habitat for anadromous species, and provide a pathway for improving instream conditions through increased dam release rates during key periods.
Deschutes Basin Flow Restoration – Group 3

Project Information (adapted from application)

** Applicant Name:** Tumalo Irrigation District  
** County:** Deschutes  
** Funding Requested:** $1,200,000 Grant  
** Total Project Cost:** $5,871,548  

** Project Summary:** The proposed project would enclose open, porous irrigation canals into a closed piping system resulting in water conservation, improvements to water delivery reliability and efficiencies, energy conservation, and improvements to public safety. The project work proposes to enclose the Tumalo Irrigation District’s Allen Lateral, as well as its sub-lateral and return approximately 4.2 cfs of water, which has been previously lost to seepage and evaporation, to the Deschutes Basin. The conserved water would benefit Endangered Species Act and native fish species and is anticipated to contribute to improved surface water temperatures in the basin. The conserved water would be legally protected instream through the Allocation of Conserved Water.

Eastside Lateral Pipeline and Water Conservation Project

Project Information (adapted from application)

** Applicant Name:** East Fork Irrigation District  
** County:** Hood River County  
** Funding Requested:** $2,000,000 Grant  
** Total Project Cost:** $7,654,594  

** Project Summary:** The project proposes to replace 6 miles of open irrigation canals with HDPE pipe and eliminate 14 end spills that currently lose an estimated 6 cfs on the Eastside Lateral Canal within the East Fork Irrigation District in the Hood River Basin. The project anticipates increasing summer stream flows for threatened salmon and steelhead, and increasing long-term irrigation water reliability. The anticipated benefits of eliminating end spills and piping the open canal would leave this water in the river, providing a positive impact on spawning and rearing habitat availability for Endangered Species Act listed spring Chinook, coho and winter steelhead. The project proposes to legally protect 50% of the conserved water instream through the Allocation of Conserved Water. Additionally, an anticipated project outcome is the ability to deliver water more efficiently to increase reliability and the resiliency of local agriculture in a changing climate.
Fishhawk Lake Storage Protection

Project Information (adapted from application)

Applicant Name: Fishhawk Lake Reserve & Community, Inc.
County: Clatsop
Funding Requested: $2,687,342 Grant
Total Project Cost: $3,583,123

Project Summary: The project proposes to construct a new combined spillway and fish ladder on the west side of Fishhawk Lake dam. The combined spillway and fish ladder is designed to protect the long-term integrity of the dam structure and to provide for the continued storage of water in Fishhawk Lake. The improvements would protect properties downstream of the dam from a catastrophic dam failure. The proposal anticipates that the spillway and fish ladder design will promote and improve fish habitat in Fishhawk Lake, reduce the fluctuation of lake levels, allow for cooler water temperatures in the lake, and improve downstream habitat by restoring peak and ecological flows.

Gran Moraine Winery – Rainwater Collection, Use and Reuse

Project Information (adapted from application)

Applicant Name: Gran Moraine Winery
County: Yamhill
Funding Requested: $403,383 Grant
Total Project Cost: $539,633

Project Summary: The project proposes to collect rainwater through a series of storage tanks and pumps, treat the rainwater with existing water treatment infrastructure, add a reverse osmosis treatment system, if needed, and reuse the process water with an agricultural partner. The project anticipates collecting 150,000 gallons of rainwater annually for domestic and irrigation purposes, to offset the need for trucking in water and to reduce the operation’s carbon footprint.
Highland Ditch Piping Project

**Applicant Name:** Badger Improvement District  
**County:** Wasco  
**Funding Requested:** $2,250,000 Grant  
**Total Project Cost:** $3,000,000

**Project Summary:** This proposed project would pipe roughly 14,000 feet of the irrigation ditch with a 30-inch PVC or HDPE pipe. The current open ditch is in steep terrain, and surrounded by the Badger Creek Wilderness Area in the Mt. Hood National Forest. The ditch is difficult to access and repair, and is subject to possible washout due to debris filling the ditch. As this ditch is the main supply of irrigation water to farmers in the area, a ditch failure would threaten the economic stability of agriculture in the area. Additionally, installing a pipe would help prevent washouts which negatively affect fish habitat in Badger Creek due to large amounts of dirt and debris filling the creek. The project proposes to conserve water by improving the overall efficiency of Badger Improvement District’s irrigation system and eliminating leaching and seepage in the existing ditch. The project proposes to legally protect up to 0.5 cfs of the conserved water in Badger Creek through Allocation of Conserved Water.

Lone Pine Irrigation District Irrigation Modernization Project

**Applicant Name:** Lone Pine Irrigation District  
**County:** Crook, Deschutes, and Jefferson  
**Funding Requested:** $1,600,000 Grant  
**Total Project Cost:** $9,200,259

**Project Summary:** This Project proposes to pipe and pressurize the currently open canal system, and construct a new river crossing for the delivery system. The proposal seeks to address the watershed problems and resource concerns such as, water loss in District conveyance systems, water delivery and operation inefficiencies, instream flow for fish, and improved public safety. The piped and pressurized system would eliminate evaporation losses and seepage losses from the open unlined canals. The project proposes to conserve 3.7 cfs and legally protect the conserved water instream.
Marks Creek Riparian Meadow Restoration

Applicant Name: Crooked River Watershed Council
County: Crook
Funding Requested: $134,240 Grant
Total Project Cost: $416,066

Project Summary: The proposed project is located on Marks Creek which is a tributary to Ochoco Creek upstream of the Ochoco Reservoir. The project proposes to meet water needs, ecological needs, and Crook County economic needs by installing fish screens at points of diversion which currently have no fish screening, and create irrigation improvements by converting open ditches to a closed piping system. The project anticipates benefits to resident red band trout by improving habitat access and instream conditions.

Muddy Creek Water Use and Restoration Project

Applicant Name: Lake County Watershed
County: Lake
Funding Requested: $462,913 Grant
Total Project Cost: $816,154

Project Summary: The goal of the Muddy Creek Water Use and Restoration Project includes maintaining the water right permit for irrigation at the Shine Brother’s Ranch by addressing fish passage and habitat restoration for Goose Lake red band trout, a state listed species of concern. A 75-foot rock ramp roughened channel fish passage would be constructed at the spillway of the reservoir to restore 1.5 miles of stream channel habitat. The planned improvements would expand fish spawning and rearing habitat by 6 miles, resulting in compliance with Oregon Department of Fish and Wildlife requirements, combined with streambank stabilization efforts, riparian improvement actions, and is anticipated to sustain the working landscape on the cattle ranch for years to come.
Prineville Airport Area Aquifer – Dedicated ASR Well #1 and #2

Project Information (adapted from application)

Applicant Name: City of Prineville  
County: Crook  
Funding Requested: $2,876,174 Grant  
Total Project Cost: $3,834,900  
Project Summary: The proposed project is to construct two dedicated Aquifer Storage and Recovery (ASR) wells, and 1660 feet of new conveyance piping to connect the wells to the City’s system, which is part of the City’s larger overall ASR program. The proposed ASR wells are to be located near the Crook County Airport within the Lower Crooked River Basin. These dedicated ASR wells would play a key role in the City’s overall ASR Program by allowing the annual storage of an additional 260 million gallons of water that will be used to meet the City’s growing peak summertime water demands, and in turn is expected to encourage economic development in the region and ease peak demand stress on existing water sources. Without the City’s development of a new source of water the summertime demand could exceed the City’s available capacity by 2025.

Tri City Water System Improvements Project

Project Information (adapted from application)

Applicant Name: Tri City Water and Sanitary Authority  
County: Douglas  
Funding Requested: $1,650,000 Grant  
Total Project Cost: $2,200,000  
Project Summary: The project proposes to construct a new 500,000 gallon water storage tank and 2,600 feet of a new 8-inch water supply pipeline that would address known deficiencies to protect the substantially low-income community. The anticipated benefits of improving the water supply infrastructure to the Tri City community would ensure that it could continue to grow and thrive into the future and improve public health and safety, and enable economic and community growth. The project proposes to install a comprehensive data-driven water leak reduction and water conservation program that aims to reduce water losses by over 50% over the next five years. Economic development would be enabled by removing the risk of a development moratorium that would enable up to 100 residential homes to be developed without risk of fire losses.