

O R E G O N



WATER RESOURCES
D E P A R T M E N T

Water Project Grants and Loans: 2019 Funding Recommendations and Awards

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Water Resources Development Program

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Water Projects Grants & Loans



Program Background



Application Review



Projects Recommended for Funding

Help Address Oregon's Instream and Out-of-Stream Water Needs



Placed-Based Planning

Plan & identify
actions



Feasibility Study Grants

Investigate
feasibility



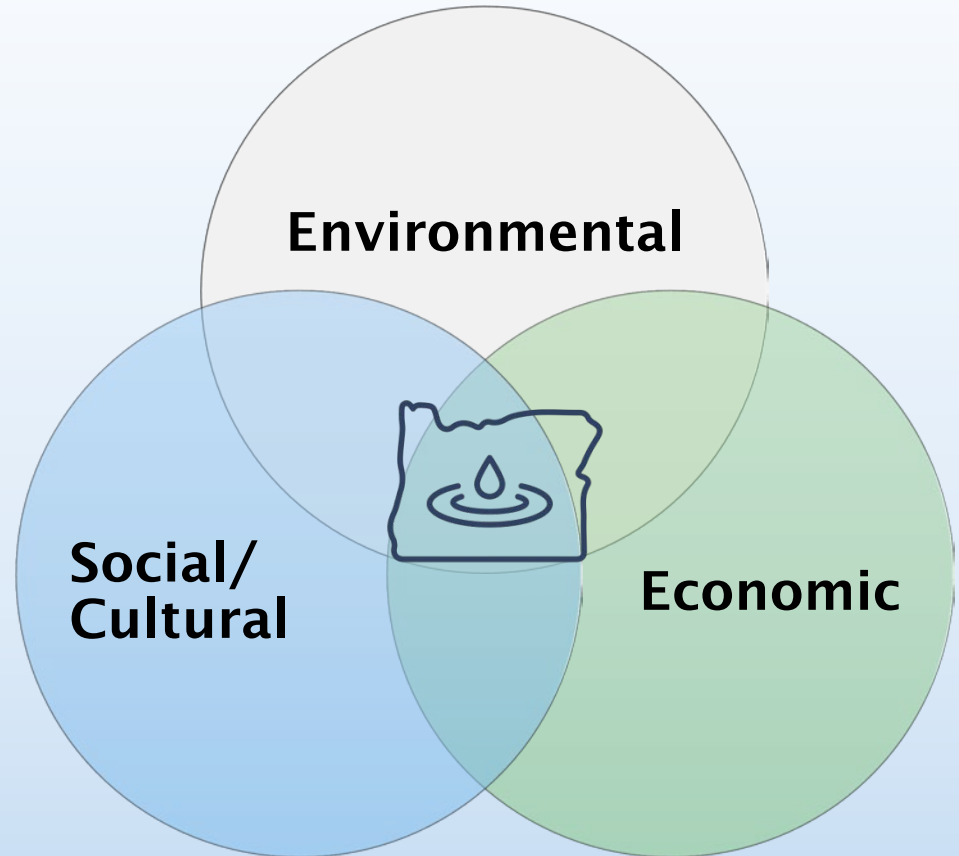
Water Project Grants & Loans

Implement

Purpose

Provide funding for Water Supply projects that:

- Meet instream and out-of-stream needs and
- Achieve Public Benefits in 3 categories



Water Project Grants and Loans

Statutory Purpose ORS 541.653

Support for water resource projects having economic, environmental and community benefits.

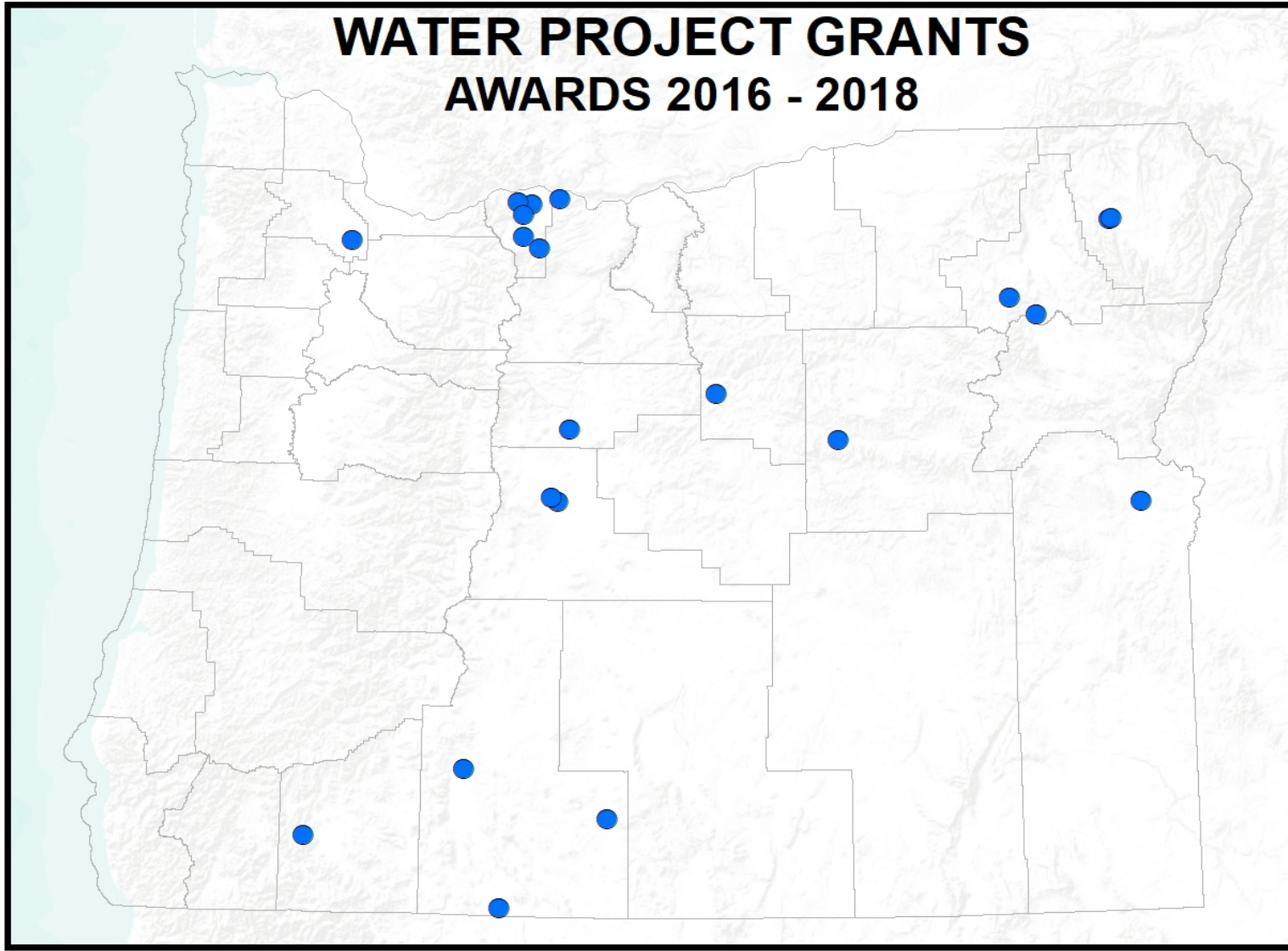
Water Supply Development Account ORS 541.656

Instream and out-of-stream water development projects

Funding History



Map of Funded Projects



Current & Future Funding

Currently Available

Approximately
\$10 million

**Available after the
Bond Sale in Spring
2021**

Additional
\$15 million

Review Process

Applications submitted



Eligibility and completeness check



Affected Tribes contacted



60-day public comment period

Review Process continued...

Multi-agency Technical Review Team



30-day public comment period



Commission awards funding

2019 Funding Cycle

- Application deadline: April 26, 2019
- 17 Applications received
- 14 Complete applications, requesting \$12,341,262 in funding

Public Comments on Applications

- 30 comments received on 3 proposed projects:
 - Canal Avenue Water Project
 - Ladera Piping Project
 - Mosier Deep Water Supply Well #2 Project
- No Tribal comments were received



Technical Review Team (TRT)



Meet to discuss applications

Consider tribal and public comments

Score applications based on public benefits

Make funding recommendation

- Positive and negative impacts
- Likelihood of achieving claimed benefits
- Based on change in conditions described in application
- Supporting guidance/documentation described in application

Application Scoring

Three categories of Public Benefits: Economic, Environmental, Social/Cultural

30 available points in each public benefits category

10 Preference points: legally protected streamflow & collaboration

100 total points available

Review Process Adapted

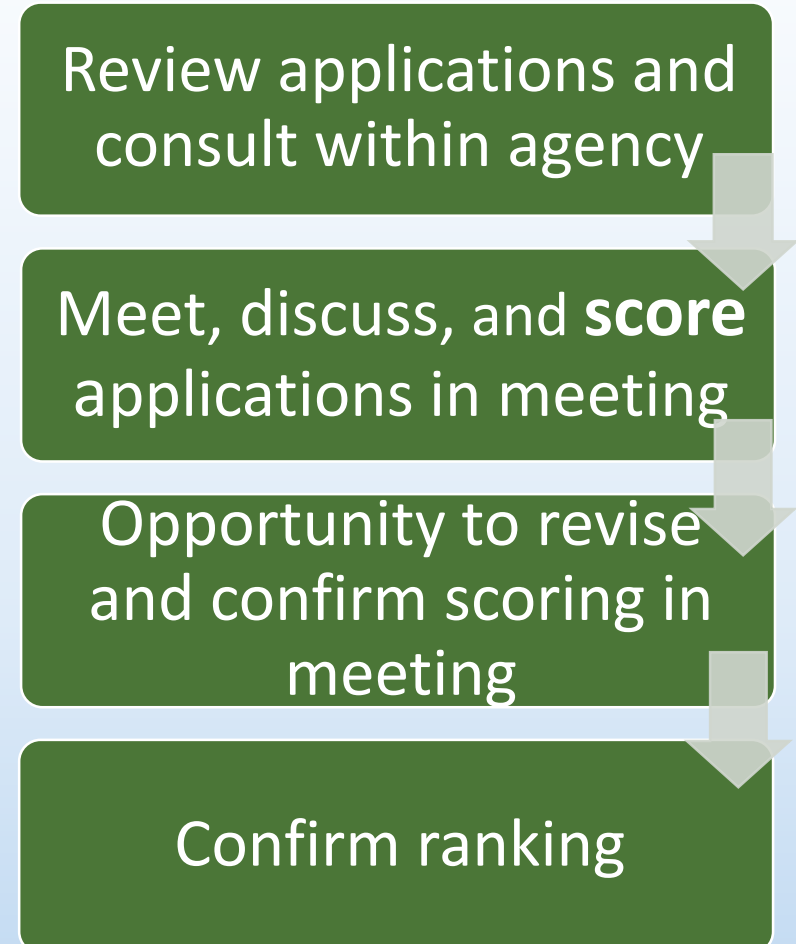
- Modified review process in 2019 to address historic range in TRT scoring
- Components of review process unchanged
- Timing of steps changed (see next slide)

Review Process Adapted

2016-2018



2019



Outcomes of Adapted Process

- Provided opportunity for additional discussion
- Increased understanding of complex issues
- Clarified application details
- Consistent application of evaluation criteria
- Appreciated opportunity to revisit and confirm score

Funding Recommendation

- Ranked projects by greatest Public Benefit score
- Recommended funding projects ranked #1 through #4
- Did not recommend funding projects ranked #5 through #14 at this time
- Considered that, at a minimum, recommended projects should achieve more than trace public benefits in all categories

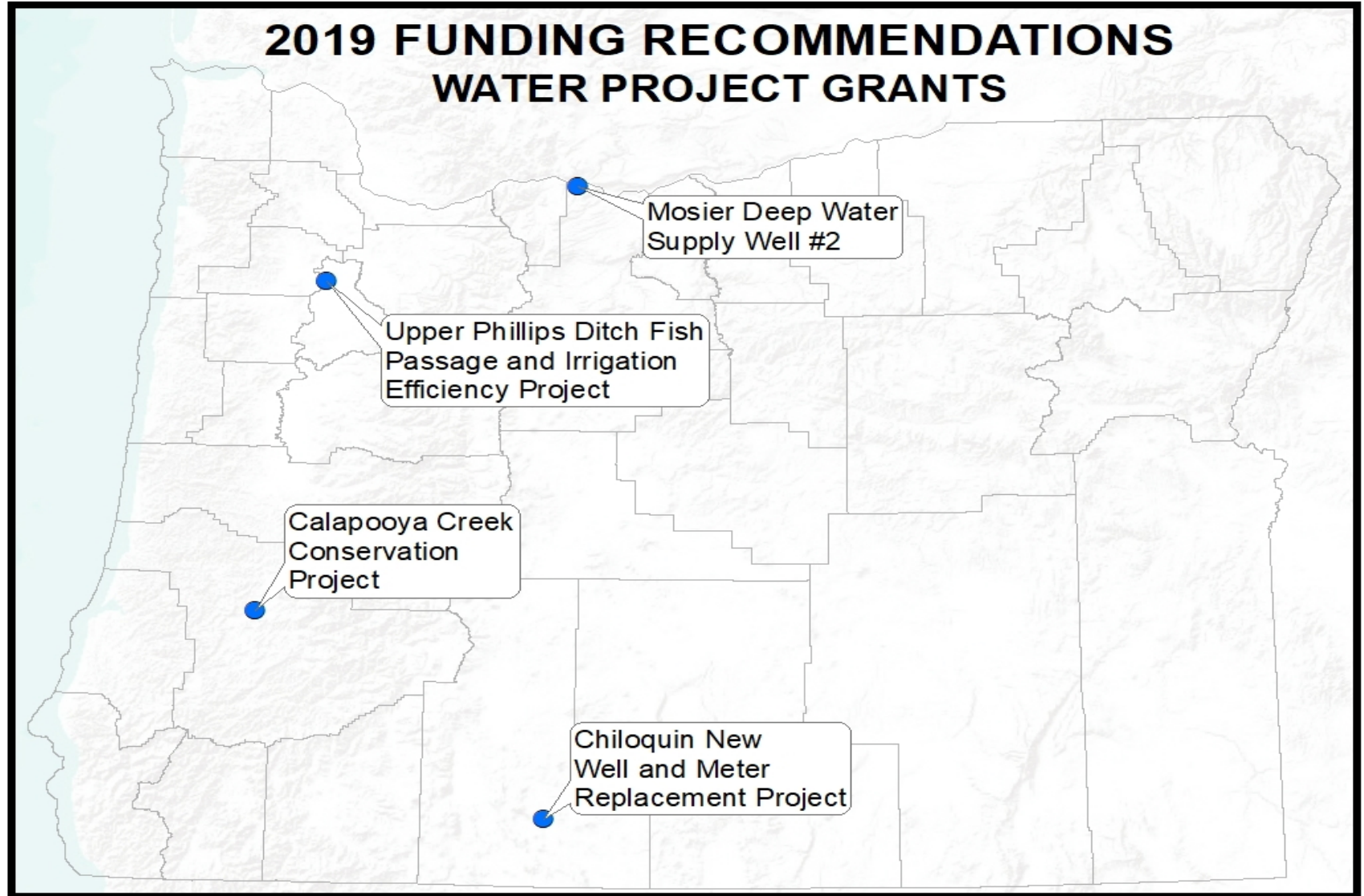
Minimum Category Score

Score	General Description
5	Project is likely to yield <i>EXCEPTIONAL</i> benefits, of unusually high standard or quality
4	Project is likely to yield <i>SIGNIFICANT</i> benefits
3	Project is likely to yield <i>MODERATE</i> benefits
2	Project is likely to yield <i>MINOR</i> benefits
1	Project is likely to yield <i>TRACE</i> benefits <i>OR PROJECT CLAIMS OF BENEFITS ARE UNSUPPORTED / UNQUANTIFIED</i>
0	<i>NO BENEFITS</i> likely
-1	Project is likely to have <i>NEGATIVE EFFECTS</i>

Recommended Projects

Rank	Project Name	Funding
1	Upper Phillips Fish Passage and Irrigation Efficiency Project	\$983,290
2	Calapooya Creek Conservation Project	\$155,106
3	Mosier Deep Water Supply Well 2	\$671,724
4	Chiloquin New Well And Meter Replacement Project	\$661,000
Total		\$2,471,120

Recommended Projects Map





Upper Philips Fish Passage and Irrigation Efficiency Project

Project Type	Water Infrastructure, Flow Restoration, Conservation, & Fish Passage
Applicant	Applegate Partnership, Inc.
Funding Request	\$983,290
Total Cost	\$1,357,267
County	Jackson

Upper Philips Fish Passage and Irrigation Efficiency Project

Project Highlights

- Restore fish passage around the Upper Philips Dam and install a new fish screen
- Install piping on 1.8 miles of irrigation ditch
- Legally protect water instream through Allocation of Conserved Water

Public Benefit Category Score Breakdown				Total
Econ	Envi	Soc/Cult	Other	
17	17	15	7.5	56.5



Calapooya Creek Conservation Project

Project Type Conservation

Applicant Green Valley Farm and Logistics, LLC

Funding Request \$155,106

Total Cost \$206,808

County Douglas

Calapooya Creek Conservation Project

Project Highlights

- Convert 80 acres from hand-line irrigation to drip lines
- Legally protect water instream using Allocation of Conserved Water to Calapooya Creek
- Change from cattle/hay production to agricultural crop
- Use as demonstration farm in collaborative work

Public Benefit Category Score Breakdown				Total
Econ	Envi	Soc/Cult	Other	
21	15	13	5.5	54.5

Mosier Deep Water Supply Well #2

Project Type	Water Infrastructure & Water Supply Development
Applicants	Wasco County SWCD and Wade Root
Funding Request	\$671,724
Total Cost	\$906,910
County	Wasco

Mosier Deep Water Supply Well #2

Project Highlights

- Construction of a deep water supply well
- Removal of second largest irrigator from the Mosier Groundwater Withdrawal Area
- May stabilize groundwater decline
- May increase long-term groundwater availability

Public Benefit Category Score Breakdown				Total
Econ	Envi	Soc/Cult	Other	
13	14	17	3.5	47.5



City of Chiloquin New Well and Meter Replacement Project

Project Type	Water Infrastructure & Conservation
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Applicants	City of Chiloquin
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Funding Request	\$661,000
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Total Cost	\$4,025,500
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County	Klamath
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City of Chiloquin New Well and Meter Replacement Project

Project Highlights

- Relocation of Chiloquin's water supply well from 1,000 feet to 1.2 miles from Williamson River to reduce effects on river
- Install a new well, well house, pipe and new water meters throughout City
- Potential to reduce wasteful water use

Public Benefit Category Score Breakdown				Total
Econ	Envi	Soc/Cult	Other	
17	7	13.5	1	38.5

Projects Not Recommended

Rank	Project Name	Funding Request
5	Prineville Airport Area ASR Project	\$1,800,000
6	Smith Ditch Water Delivery Improvement	\$590,902
7	Canal Avenue Water Infrastructure Project	\$1,500,000
8	Highland Ditch Piping Project	\$2,250,000
9	Ladera Piping Project	\$207,408

Projects Not Recommended

Rank	Project Name	Funding Request
10	Madras Downtown Distribution Main Replacement Project	\$900,000
11	North Plains Water Reservoir 2 and Pump Station	\$1,250,000
12	Old Owyhee Ditch Improvement District Automation Spillways	\$200,851
13	Quail Ridge Irrigation Renovation and Conservation Project	\$884,981
14	Stanfield Irrigation District Efficiency Project	\$286,000



Prineville Airport Area Aquifer - ASR Project ASR Well #1

Project Type	Below-ground Storage & Water Infrastructure
Applicant	City of Prineville
Funding Request	\$1,800,000
Total Cost	\$12,235,572
County	Crook

Prineville Airport Area Aquifer - ASR Project ASR Well #1

Project Highlights

- Construct the City's dedicated Aquifer Storage and Recovery injection and recovery Well #1
- Install 2,500 ft. of conveyance piping
- To meet growing peak summertime water demand

Public Benefit Category Score Breakdown				Total
Econ	Envi	Soc/Cult	Other	
16.5	4.5	12.5	4	37.5



Smith Ditch Water Delivery Improvement

Project Type	Water Infrastructure & Conservation
Applicant	Baker Valley Soil and Water Conservation District
Funding Request	\$590,902
Total Cost	\$799,152
County	Baker

Smith Ditch Water Delivery Improvement

Project Highlights

- Install 3,550 feet of pipe in ditch system
- Goals of conserving water and protecting against future breaches
- Legally protect conserved water instream through Allocation of Conserved Water

Public Benefit Category Score Breakdown				Total
Econ	Envi	Soc/Cult	Other	
16.5	5	11	3	35.5

2nd Public Comment Period

- Letters in support (Attachment #6)
 - Mosier Deep Water Supply Well
 - Upper Phillips Ditch Fish Passage and Irrigation Efficiency Project
 - Canal Avenue Water Project
- Additional comments received supporting (see addendum)
 - Mosier Deep Water Supply Well
 - City of Prineville ASR

- Carefully evaluated all comments to determine:
 - If new information was provided
 - If there was a need to reconvene the TRT to re-evaluate recommendation
- **Department determined:**
 - **No new information was provided and therefore no need to reconvene TRT**
 - **Commission may consider the comments in final decision**



Funding Award

The Commission shall make the final decision based on (ORS 541.673-677 and OAR 690-093-0100):

- Equal importance of each public benefit category
- Awards based on greatest public benefit
- Best achieve target outcomes
- Based on change as a result of project

Commission Alternatives:

The Commission may consider the following alternatives:

1. Adopt the funding recommendation contained in Table 1 of this report to fund four applications for a total award of \$2,471,120.
2. Adopt a modified funding recommendation.
3. Direct the Department to further evaluate the applications and return with a revised recommendation.

Recommendation

The Director recommends Alternative #1

1. Adopt the funding recommendation contained in Table 1 of this report to fund four applications for a total award of \$2,471,120.
2. Adopt a modified funding recommendation.
3. Direct the Department to further evaluate the applications and return with a revised recommendation.

Thank you

OREGON



WATER RESOURCES
DEPARTMENT

Additional slides if needed

Canal Avenue Water Project

Project Type	Water Infrastructure
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Applicant	Rogue Community College (RCC)
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Funding Request	\$1,500,000
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Total Cost	\$2,000,000
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County	Josephine
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Highlights

- Connect RCC campus to City of Grants Pass system
 - Install 1,500 ft. of pipe and construct a booster pump station
 - Serve domestic supply and fire mitigation purposes
 - Critical step towards annexing campus into the City
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Highland Ditch Piping Project

Project Type	Water Infrastructure & Conservation
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Applicant	Badger Improvement District
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Funding Request	\$2,250,000
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Total Cost	\$3,000,000
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County	Wasco
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Highlights

- Install pipe on roughly 14,000 ft. of irrigation ditch
 - Currently open ditch in steep terrain and subject to washout; pipe may prevent sediment and debris runoff in Badger Creek
 - Legally protect water instream through ACW
-

Ladera Piping Project

Project Type Water Infrastructure & Conservation

Applicant Arnold Irrigation District

Funding Request \$207,408

Total Cost \$314,548

County Deschutes

Highlights

- Pipe approximately 7,090 ft. of an open ditch
 - Conserve water through system improvements
 - Install all hardware for weir boxes and delivery gates
 - Legally protect water instream through ACW
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Madras Downtown Distribution Main Replacement Project

Project Type	Water Infrastructure
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Applicant	City of Madras
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Funding Request	\$900,000
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Total Cost	\$1,200,000
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County	Jefferson
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Highlights

- Replace 2,200 ft. of existing undersized water distribution mainline with a new main in downtown commercial district
- Increase fire flows for safety
- Would replace fire hydrants and service connections



North Plains - Water Reservoir No. 2 and Pump Station

Project Type	Water Infrastructure
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Applicant	City of North Plains
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Funding Request	\$1,250,000
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Total Cost	\$7,600,000
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County	Washington
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Highlights

- Constructing a new tank and pump station
 - Would provide for City's water storage needs through the 20 year Water System Master Plan period
 - Install Supervisory Control and Data Acquisition control system to improve efficiency
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Old Owyhee Ditch Improvement District Automation Spill Ways

Project Type Water Infrastructure

Applicant Old Owyhee Ditch Improvement
District and Malheur SWCD

Funding Request \$200,851

Total Cost \$323,251

County Malheur

Highlights

- Develop system wide automation of head gate and spillway structures
- Potential to increase delivery efficiency
- Maintain infrastructure integrity



Quail Ridge Irrigation Renovation and Conservation Project

Project Type	Water Infrastructure
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Applicant	City of Baker City
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Funding Request	\$884,981
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Total Cost	\$1,179,974
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County	Baker
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Highlights

- Rehabilitate the irrigation system at Quail Ridge Golf Course
- Install a new mainline, lateral lines, electrical wiring, sprinkler heads and control system
- Anticipated to preserve a recreation asset and conserve water



Stanfield Irrigation District Efficiency Project

Project Type	Water Infrastructure & Conservation
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Applicant	Stanfield Irrigation District
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Funding Request	\$286,000
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Total Cost	\$423,500
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County	Umatilla
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Highlights

- Install a pipeline from the East Improvement District (EID) to the Stanfield Irrigation District's Canal
 - Reduce reliance on groundwater by using Columbia River water
 - Anticipate saving on electric power pumping costs
-