

OREGON



WATER RESOURCES
DEPARTMENT

Water Project Grants and Loans

2020 Funding Recommendations

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Water Resources Development Program

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



Placed-Based Planning

Plan & identify
actions



Feasibility Study Grants

Investigate
feasibility



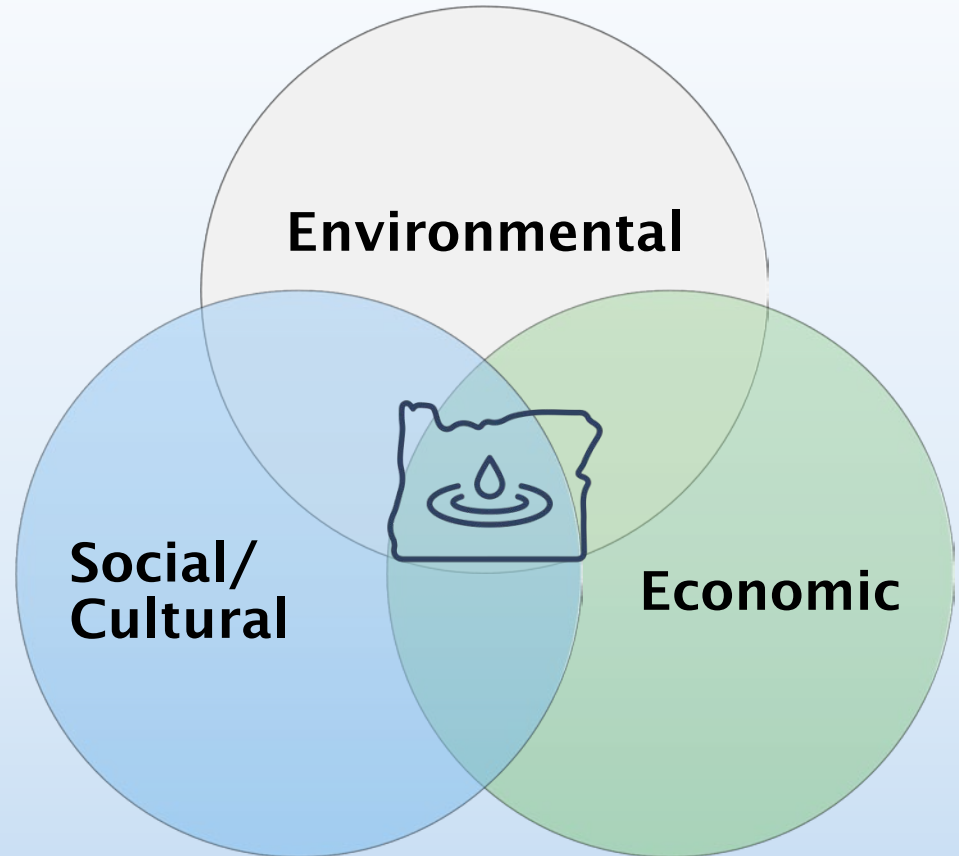
Water Project Grants & Loans

Implement

Purpose

Provide funding for Water Supply projects that:

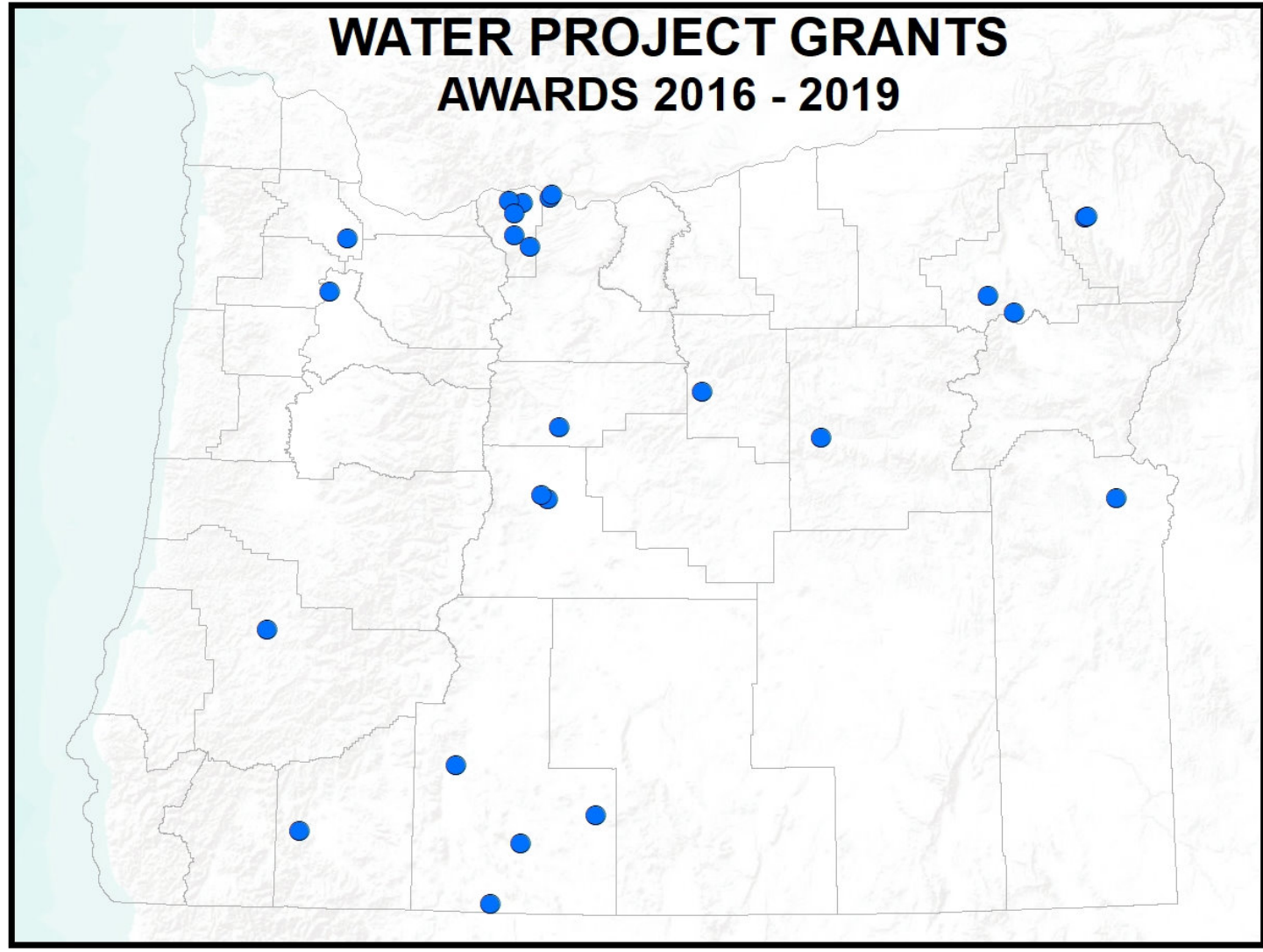
- Meet instream and out-of-stream needs and
- Achieve Public Benefits in 3 categories



Funding History

Year Awarded	Number of Grants	Total Awarded
2016	9	\$8,891,118
2017	4	\$6,282,232
2018	8	\$6,297,755
2019	4	\$2,471,120
Total	25	\$23,942,225

Map of Funded Projects



Impacts of the coronavirus pandemic

- Application deadline extended from April 29 to May 28
- Lottery Revenues decreased
- Lottery Revenue Bonds (\$15M) will not be issued in 2021
- \$8M available for the next two cycles

Funding Allocation Decision

**Approximately \$8 million available for
2020 and 2021**

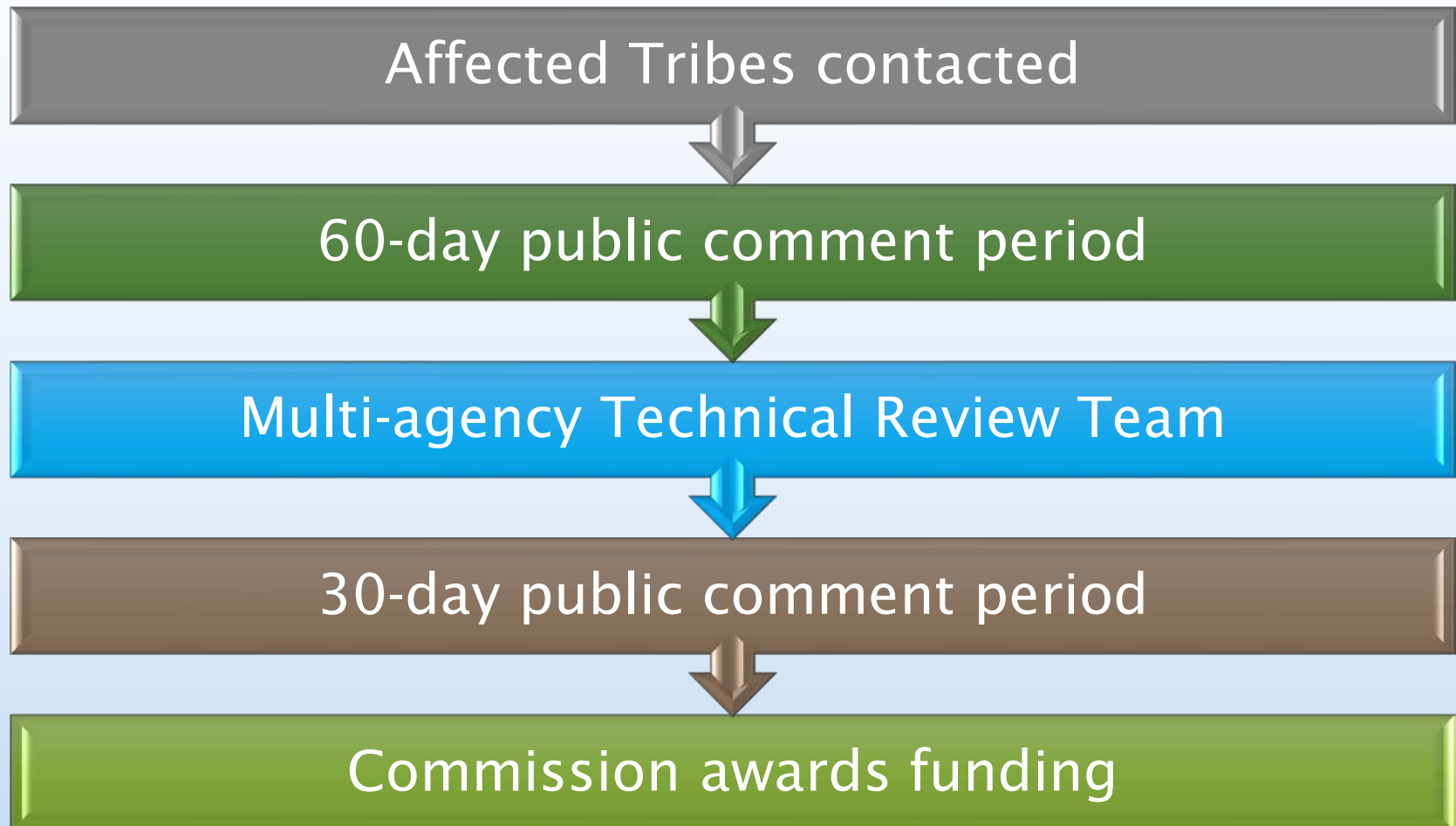
Funding Allocation, Option II was selected

- Divide the available funds between the 2020 and 2021 funding cycles
- 2020 and 2021 - No maximum award in either year

2020 Funding Cycle

- Application deadline: May 28, 2020
- 12 Applications received
- Requesting \$18,828,217 in funding

Review Process



Public Comments on Applications

- 89 comments received on multiple applications
- 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

TRT Scores Public Benefits

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

Scoring Scale Revised

- Increased the incremental range of points available on the scoring scale
- Expanded potential negative and positive scoring
- Appropriately values exceptional benefits

Scoring Increments

Public Benefits

Exceptional benefit

12 points

High benefit

6 points

Medium benefit

3 points

Minor benefit

1 point

No benefit

0 points

Minor negative impact

-1 point

Medium negative impact

-3 points

Application Scoring

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

6 public benefit questions in each category

72 available points in each category

24 potential preference points: legally
protected streamflow & collaboration

240 total points available

Scoring Public Benefits

Public Benefits	
Exceptional benefit	12 points
High benefit	6 points
Medium benefit	3 points
Minor benefit	1 point
No benefit	0 points
Minor negative impact	-1 point
Medium negative impact	-3 points

Minimum Category Score

“1” indicates a minor benefit

6 Public benefits are scored per category

Category score of “6” indicates minor
public benefits

Category score of “7” indicates moderate
public benefits

The Department set a minimum category
score of 7 to be funded

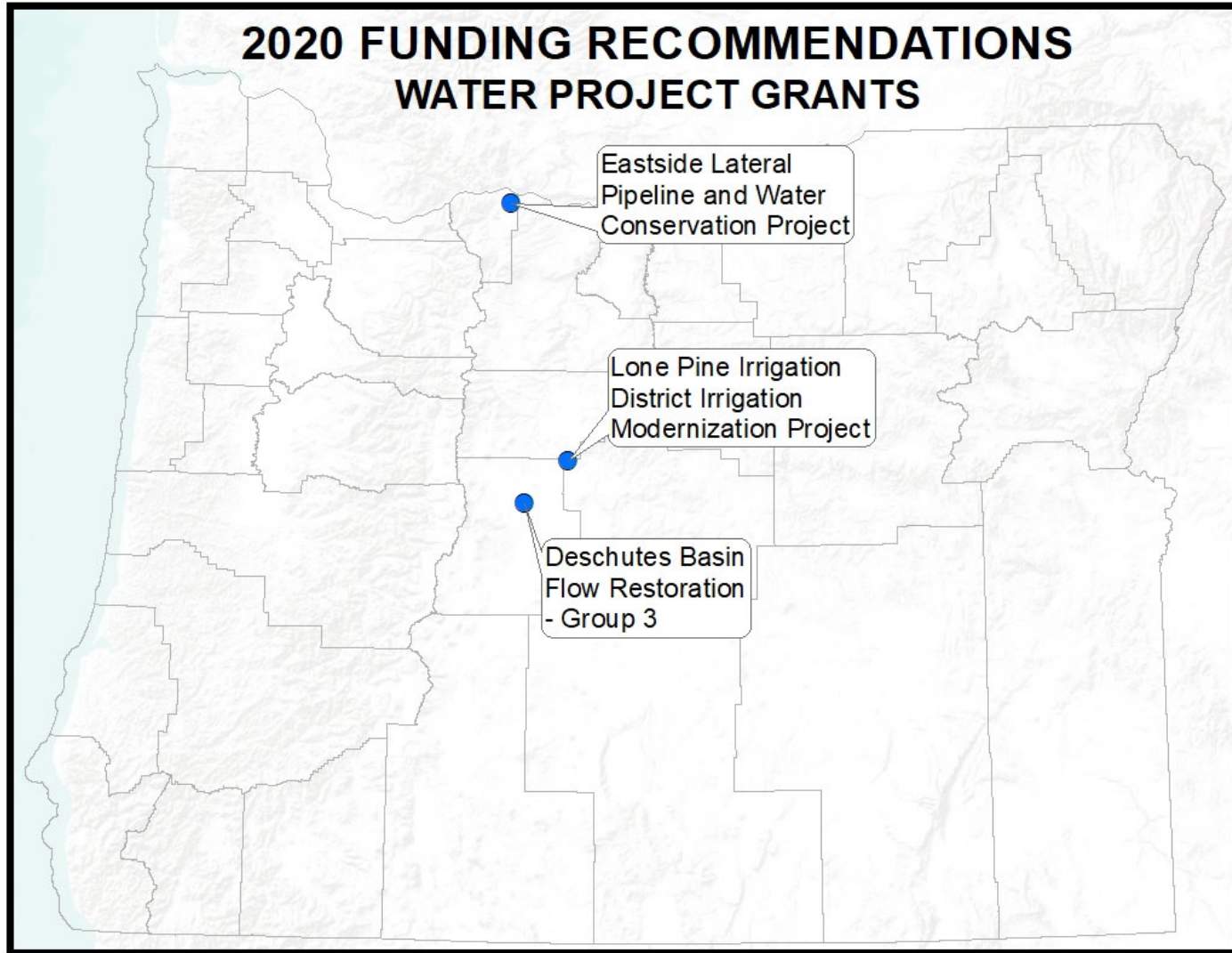
Funding Recommendation

- Ranked projects by greatest Public Benefit score
- Recommended funding projects ranked #1 through #3
- Did not recommend funding projects ranked #4 through #12 at this time

Recommended Projects

Rank	Project Name	Funding
1	Deschutes Basin Flow Restoration - Group 3	\$1,200,000
2	Eastside Lateral Pipeline and Water Conservation Project	\$2,000,000
3	Lone Pine Irrigation District Modernization Project	\$1,600,000
Total		\$4,800,000

Recommended Projects Map





Deschutes Basin Flow Restoration - Group 3

Project Type	Conservation; Flow Restoration & Protection
Applicant	Tumalo Irrigation District
Funding Request	\$1,200,000
Total Cost	\$5,871,548
County	Deschutes

Deschutes Basin Flow Restoration - Group 3

Project Highlights

- Enclose irrigation canals into a closed piping system
- Deliver pressurized water to patrons, eliminating the need for wasteful retention ponds
- Legally protect 100% conserved water instream through Allocation of Conserved Water

Public Benefit Category Score Breakdown				Total
Econ	Envi	Soc/Cult	Other	
28	25	16	12	81



Eastside Lateral Pipeline and Water Conservation Project

Project Type	Conservation; Flow Restoration & Protection; Water Infrastructure
Applicant	East Fork Irrigation District
Funding Request	\$2,000,000
Total Cost	\$7,654,594
County	Hood River

Eastside Lateral Pipeline and Water Conservation Project

Project Highlights

- Replace 6 miles of open irrigation canals with HDPE pipe and eliminate 14 end spills
- Create a pressurized, on-demand system to deliver water to irrigators
- Legally protect 50% of conserved water instream through Allocation of Conserved Water

Public Benefit Category Score Breakdown				Total
Econ	Envi	Soc/Cult	Other	
19	27	21	12	79



Lone Pine Irrigation District Irrigation Modernization Project

Project Type	Conservation; Flow Restoration & Protection; Water Infrastructure; Other: Habitat Enhancement/ Public Safety
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Applicants	Lone Pine Irrigation District
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Funding Request	\$1,600,000
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Total Cost	\$9,200,259
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County	Crook, Deschutes, and Jefferson
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Lone Pine Irrigation District Irrigation Modernization Project

Project Highlights

- Pipe and pressurize up to 10.5 miles of open canals and laterals
- Construct a new river crossing for the delivery system
- Legally protect 100% of conserved water instream through Allocation of Conserved Water

Public Benefit Category Score Breakdown				Total
Econ	Envi	Soc/Cult	Other	
17	16	11	7	51

Projects Not Recommended

Rank	Project Name	Funding Request
4	Prineville Airport Area Aquifer – Dedicated ASR Well #1 and #2	\$2,876,174
5	Muddy Creek Water Use & Restoration Project	\$462,913
6	Highland Ditch Piping Project	\$2,250,000
7	Currant Creek Storage, Flow Augmentation & Fish Passage	\$2,289,165
8	Marks Creek Riparian Meadow Restoration	\$134,240

Projects Not Recommended

Rank	Project Name	Funding Request
9	Fishhawk Lake Storage Protection Project	\$2,687,342
10	Tri City Water System Improvements	\$1,650,000
11	Gran Moraine Rainwater Collection & Reuse	\$403,383
12	Basalt Well Project at the Miller Road Treatment Plant	\$1,275,000

2nd Public Comment Period

Letters supporting –

- Deschutes Basin Flow Restoration-Group 3 Project
- Eastside Lateral Pipeline & Water Conservation Project
- Lone Pine Irrigation Modernization Project



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 2 of this report to fund three applications for a total award of \$4,800,000.
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 2 of this report to fund three applications for a total award of \$4,800,000.
2. Adopt a modified funding recommendation.
3. Direct the Department to further evaluate the applications and return with a revised recommendation.

Thank you

OREGON



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Additional slides if needed



Prineville Airport Area Aquifer – Dedicated ASR Well #1 and #2

Project Type	Below-ground Storage & Water Infrastructure
Applicant	City of Prineville
Funding Request	\$2,876,174
Total Cost	\$3,834,900
County	Crook

Prineville Airport Area Aquifer – Dedicated ASR Well #1 and #2

Project Highlights

- Construct the City’s dedicated Aquifer Storage and Recovery injection and recovery Wells #1 and #2
- Install 1,660 ft. of conveyance piping
- To meet growing peak summertime water demand

Public Benefit Category Score Breakdown				Total
Econ	Envi	Soc/Cult	Other	
19	6	11	2	38



Muddy Creek Water Use and Restoration Project

Project Type	Water Infrastructure
Applicant	Lake County Umbrella Watershed Council
Funding Request	\$462,913
Total Cost	\$816,154
County	Lake

Muddy Creek Water Use and Restoration Project

Project Highlights

- Construct a 75-foot rock ramp roughened channel fish passage at the spillway of the reservoir
- Restore 1.5 miles of stream channel habitat and improve watershed connectivity
- Maintains the water right permit for local irrigation

Public Benefit Category Score Breakdown				Total
Econ	Envi	Soc/Cult	Other	
6	8	8	3	25

Highland Ditch Piping Project

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

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
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Currant Creek Storage, Flow Augmentation & Fish Passage

Project Type Above-Ground Storage

Applicant Young Life

Funding Request \$2,289,165

Total Cost \$3,250,705

County Wasco and Jefferson

Highlights

- Reconstruct the Currant Creek dam's spillway and raise the existing dam by 6.5 feet, increase reservoir capacity by 434 acre-feet
- Legally protect water in stream and increase stream flow at key times through a Seasonally Varying Flow prescription
- construct a new fish passage channel around the falls on Muddy Creek



Marks Creek Riparian Meadow Restoration

Project Type	Conservation; Water Infrastructure
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Applicant	Crooked River Watershed Council
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Funding Request	\$134,240
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Total Cost	\$416,066
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County	Crook
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Highlights

- Install fish screens at points of diversion which currently have no fish screening
 - Create irrigation improvements by piping ditches.
 - Improved ecosystem resiliency from fish passage installation and wetland restoration
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Fishhawk Lake Storage Protection Project

Project Type Above-Ground storage

Applicant Fishhawk Lake Reserve & Community, Inc.

Funding Request \$2,687,342

Total Cost \$3,583,123

County Clatsop

Highlights

- Construct a combined spillway and fish ladder on the west side of Fishhawk Lake dam
 - Reduce the risk from a catastrophic dam failure
 - Strong community support
-



Tri City Water System Improvements

Project Type Conservation; Water Infrastructure

Applicant Tri City Water & Sanitary Authority

Funding Request \$1,650,000

Total Cost \$2,200,000

County Douglas

Highlights

- Construct a new 500,000 gallon water storage tank and 2,600 feet of a new 8-inch water supply pipeline
- Install a comprehensive data-driven water leak reduction and water conservation program
- Creates a redundant, efficient water delivery system



Gran Moraine Rainwater Collection & Reuse

Project Type Conservation; Reuse, Water Infrastructure

Applicant Gran Moraine Winery

Funding Request \$403,383

Total Cost \$539,633

County Yamhill

Highlights

- Collect rainwater for domestic and irrigation uses
- Innovative infrastructure enhancement that would result in more efficient water use
- Offset the need for trucking in water and reduces the operation's carbon footprint



Basalt Well Project at the Miller Road Treatment Plant

Project Type	Water Infrastructure
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Applicant	City of Scappoose
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Funding Request	\$1,275,000
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Total Cost	\$1,700,000
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County	Columbia
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Highlights

- Construct a basalt well at the City's existing water treatment
 - Diversify the City's water supply
 - Potential to improve drinking water quality
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