






Oregon

Kate Brown, Governor

Water Resources Department
North Mall Office Building
725 Summer Street NE, Suite A
Salem, OR 97301-1271
503-986-0900
FAX 503-986-0904

MEMORANDUM

TO: Water Resources Commission

FROM: Tracy Louden, Administrator for Administrative Services Division 
Kim Ogren, Senior Advisor for Water Resources Development 
Jon Unger, Grant Program Coordinator 

SUBJECT: Agenda Item F, February 25, 2016
Water Resources Commission Meeting

Water Resources Development Program Funding Opportunities Update

I. Introduction

Oregon's Water Resources Development Program provides funding and technical assistance to help Oregonians address water resources challenges as recommended by actions 10 and 13c of the Integrated Water Resources Strategy. During this agenda item, staff will provide updates on grant requests received for Feasibility Study Grants and Water Project Grants & Loans. Staff will also provide an overview for Water Project Grant and Loan awards process. This is an informational report; the Department intends to present funding recommendations at the May 2016 Commission meeting.

II. Status Update and Report on Applications Received

Feasibility Study Grants

The Commission approved six Feasibility Study Grants during its November 2015 meeting in the amount of \$497,185. The approvals of the Alder Creek Reservoir Study and Upper Klamath Basin Irrigation Conservation Assessment Study were conditioned on the study applicants meeting certain requirements specified by the Commission. Both applicants met the conditions and are now moving forward with their grants.

The second funding cycle for Feasibility Study Grants closed on February 1, 2016. The Department received 31 applications requesting \$2,325,874. A summary of the number of applications and amounts requested by region and by project type is provided in Table 1 on the next page. A more detailed list of the applications received is provided in Attachment 1.

An application review team will develop funding recommendations, which will be brought to the May 2016 Commission meeting.

Table 1 – Feasibility Study Grant Applications – February 1, 2016

Region	#	Amount Requested	Project Type	#	Amount Requested
Northwest	8	\$1,050,131	Conservation	7	\$485,993
North Central	10	\$720,967	Reuse	6	\$274,250
Southwest	7	\$391,561	Above Ground Storage	9	\$841,973
South Central	3	\$31,250	Below Ground Storage	9	\$723,658
East	3	\$131,965			
Total	31	\$2,325,874	Total	31	\$2,325,874

Water Project Grants & Loans

The Commission adopted administrative rules for the Water Project Grants and Loans (SB 839) funding opportunity in June 2015. The Department solicited applications from August 28, 2015 through January 19, 2016. During this period, Jon Unger, Grant Coordinator, conducted 30 pre-application conferences. The Department received a total of 37 applications requesting \$50,959,520. The Department intends to present funding recommendations to the Commission at the May 2016 meeting.

A summary of the number of applications and amounts requested by region and by project type is provided in the Table 2 below. Please note that an application may have included one or more project types (i.e., the proposed project includes components that fall under one or more project types). A more detailed list of the applications received is provided in Attachment 2.

Table 2 – Water Project Grant and Loan Applications – January 19, 2016

Region	#	Amount Requested	Project Type	# of Applications
Northwest	9	\$4,122,982	Above Ground Storage	3
North Central	11	\$25,486,670	Below Ground Storage	1
Southwest	1	\$149,330	Repair or Replace Infrastructure	8
South Central	6	\$3,156,345	Streamflow Protection/Restoration	6
East	10	\$18,044,193	Water Conservation	14
Total	37	\$50,959,520	Water Reuse	4
			Other *	18

III. Water Project Grants & Loans Process Overview

Since this is the first funding cycle for the Water Project Grants and Loans, an overview of the award process is provided below in Table 3. Division 93 of the Department’s administrative rules outlines the procedures that will be used for the funding decisions. Staff will discuss the review process steps.

* Other may include: new infrastructure, water quality improvements, groundwater development, fish passage, riparian restoration, water metering, water treatment, and “Natural Storage” in stream woody debris dams.)

Table 3 – Water Project Grants and Loans Award Process

1. Application submittal deadline	Jan 19
2. Staff perform a “completeness” review of applications	Jan 20-22
3. 60-day public comment period on applications	Jan 28-Mar 30
4. Technical Review Team scores and ranks applications based on public benefits	Apr 13-15
5. 14-day public comment period on the Technical Review Team’s scoring and ranking	Apr 18-May 2
6. Commission determines final scoring and ranking of projects and makes funding decisions based on the following considerations: a) Public benefits: Economic, Environmental, and Social or Cultural b) Preference for partnerships and collaborative projects c) Diversity of size, type, and geographic location d) If a project proposes to divert water, preference for projects that provide a measurable improvement in protected streamflows e) If a project proposes to increase efficiency, preference for projects that provide a measurable increased efficiency of water use	May 20

Attachment 3 provides the Commission with the draft scoring tool that will be used by the Technical Review Team.

IV. Conclusion

The Commission will be asked to make grant and loan decisions at its May 2016 meeting. This agenda item provides an opportunity to review the selection and award process.

Attachments:

- Attachment 1 – Feasibility Study Grant - Application Listing
- Attachment 2 – Water Project Grant and Loan - Application Listing
- Attachment 3 – Water Project Grant and Loan - Scoring Tool

Tracy Loudon, Administrator
 (503) 986-0920

* Other may include: new infrastructure, water quality improvements, groundwater development, fish passage, riparian restoration, water metering, water treatment, and “Natural Storage” in stream woody debris dams.)

Item F – Attachment 1 – Feasibility Study Grants: Application Listing (2016 Funding Cycle)



NORTHWEST REGION					
#	Project Title	Lead entity or individual	Project type	Funding Request	Total Cost of Project
1	Alpine Collective Action Aquifer Storage and Recovery	Benton County Community Development	Storage (not above-ground)	\$140,500	\$292,228
2	Banks-Green Mountain ASR Feasibility Study	City of Banks	Storage (not above-ground)	\$102,191	\$300,183
3	Development of a New Groundwater Source to Conserve Molalla River In-Stream Flows	Canby Utility	Water Conservation	\$106,950	\$213,900
4	Drift Creek Water Supply Development Project	East Valley Water District	Above-ground storage	\$76,320	\$152,640
5	Farm Irrigation Ponds w/ West Fork Plamer Creek Watershed Mitigation	Timothy Kreder	Above-ground Storage	\$64,170	\$128,340
6	Feasibility Analysis of RCC Dam Construction at Big Creek	City of Newport	Above-ground storage	\$460,000	\$1,203,613
7	Sterling Park Stormwater Quality Facility Groundwater Recharge feasibility Evaluation	Clean Water Services	Storage (not above-ground)	\$50,000	\$100,000
8	Sunrise Purple Pipe Groundwater & Reuse Feasibility Study	Sunrise Water Authority	Reuse	\$50,000	\$100,000
				\$1,050,131	\$2,490,904
SOUTH CENTRAL REGION					
#	Project Title	Lead entity or individual	Project type	Funding Request	Total Cost
9	Big Lake Recycled Water Study	Big Lake Youth Camp	Reuse	\$4,250	\$8,500
10	Deschutes On-Farm IWM Pilot	Deschutes SWCD	Water Conservation	\$17,000	\$30,775
11	Pine Grove Water System Improvements	Pine Grove Water District	Above-ground storage	\$10,000	\$20,000
				\$31,250	\$59,275
SOUTHWEST REGION					
	Project Title	Lead entity or individual	Project type	Funding Request	Total Cost
12	Abbie Lane Lateral Improvement	Rosie Falcon	Water Conservation	\$8,778	\$8,778
13	Applegate Reservoir Capacity Restoration Project	Applegate Partnership and Watershed Council	Above-ground storage	\$89,925	\$181,615
14	McMullin Creek Dam and Spillway Analysis	Josephine County Public Works Department	Above-ground storage	\$73,000	\$146,000
15	Oakland Agricultural Water Reservoir Feasibility Study	City of Oakland	Above-ground storage	\$10,858	\$21,716
16	Rogue Basin Pilot Study to Assess the potential water conservation in uplands soils	Rogue Basin Partnership	Water conservation	\$37,000	\$74,900
17	WISE Water Rights Evaluation	Medford Water Commission	Water conservation	\$162,000	\$1,412,000
18	Yoncalla Water Reuse Plan	City of Yoncalla	Reuse	\$10,000	\$20,000
				\$391,561	\$1,865,009

Item F – Attachment 1 – Feasibility Study Grants: Application Listing (2016 Funding Cycle)



EAST REGION					
	Project Title	Lead entity or individual	Project type	Funding Request	Total Cost of Project
19	Little Rock Creek Reservoir Project	Harney County Watershed Council	Above-ground storage	\$7,700	\$16,650
20	Ralph Hutchinson Family Study	Susan Boyd & Ira Cohen	Storage (not above-ground)	\$10,000	\$20,000
21	Upper Catherine Creek Irrigation Efficiency and Water Conservation Study	The Freshwater Trust	Water Conservation	\$114,265	\$230,120
				\$131,965	\$266,770
NORTH CENTRAL REGION					
	Project Title	Lead entity or individual	Project type	Funding Request	Total Cost of Project
22	County Line Water Improvement District Recharge Water Piping	County Line Water Improvement District	Storage (not above-ground)	\$12,500	\$25,000
23	Eastside Aquifer Recharge and Recovery Pumping Test	Walla Walla Basin Watershed Council	Storage (not above-ground)	\$44,000	\$119,000
24	Fifteen Mile Watershed Managed Underground Storage	Fifteen Mile Watershed Council	Storage (not above-ground)	\$153,185	\$316,470
25	Juniper Flats Water Conservation Feasibility Study	Juniper Flats District Improvement Company	Water Conservation	\$40,000	\$80,000
26	Pendleton Water Treatment Facility Reuse Project	Umatilla County Soil & Water Conservation District	Reuse	\$40,000	\$62,500
27	Pine Creek Reservoir Feasibility Study	Walla Walla Basin Watershed Council	Above-ground Storage	\$50,000	\$135,000
28	Rupp Ranches Agricultural Aquifer Storage and Recovery Feasibility Study	Rupp Ranches	Storage (not above-ground)	\$155,000	\$324,000
29	Umatilla Maximum Beneficial Reuse Feasibility Analysis	The City of Umatilla	Reuse	\$130,000	\$260,000
30	Upper John Day, Meadow Storage Capacity	North Fork John Day Watershed Council	Storage (not above-ground)	\$56,282	\$130,429
31	West Extension Irrigation District Reuse Reservoir Feasibility Study	West Extension Irrigation District	Reuse	\$40,000	\$80,000
				\$720,967	\$1,532,399
				\$2,294,624	\$6,155,082

Item F – Attachment 2 – Water Project Grants and Loans: Application Listing (2016 Funding Cycle)



EAST REGION						
#	Project Title	Lead entity or individual	Project type(s)	County	Funding Requested	Total Cost of Project
1	Adrian Water System Improvement	City of Adrian	Other	Malheur	\$1,029,600	\$1,372,800
2	Beaver Creek Dam Fish Passage and Flow Restoration	City of La Grande	Streamflow protection or restoration, Other	Union	\$600,000	\$1,125,700
3	Catherine Creek Wastewater Facility Improvements	City of Union	Water reuse, Other	Union	\$2,300,000	\$4,681,000
4	Greenhorn Water System Improvement	City of Greenhorn	Other	Grant	\$187,500	\$250,000
5	Haines Water System Compliance Project	City of Haines	Repair or replace infrastructure, Other	Baker	\$5,372,220	\$7,262,169
6	Lostine River Conservation Project	Freshwater Trust	Streamflow protection or restoration, Water conservation	Wallowa	\$1,488,718	\$2,132,575
7	Mountain Line Replacement Project	City of Baker City	Repair or replace infrastructure	Baker	\$184,800	\$308,618
8	Powder Valley Connector	Powder Valley Water Control District	Water conservation	Union	\$1,076,000	\$1,440,000
9	Vale Water System Improvement	City of Vale	Repair or replace infrastructure, Other	Malheur	\$5,305,000	\$7,505,000
10	Willow Creek Piping Irrigation Laterals	Malheur Watershed Council	Water conservation	Malheur	\$500,355	\$785,143
					\$18,044,193	\$26,863,005
SOUTH CENTRAL REGION						
#	Project Title	Lead entity or individual	Project type(s)	County	Funding Requested	Total Cost of Project
11	Allen Creek Pipeline	Waibel Ranches LLC.	Water conservation	Crook	\$382,400	\$706,900
12	Chiloquin Water Supply and Metering Improvement	City of Chiloquin	Repair or replace infrastructure, Other	Klamath	\$900,000	\$1,200,000
13	Klamath East Side Water Recycling Project	Klamath Drainage District	Water reuse	Klamath	\$268,673	\$358,231
14	Madras Agricultural Water Efficiency And Reuse	Jefferson County SWCD	Other	Jefferson	\$55,437	\$75,887
15	Sun Creek Restoration And Irrigation Efficiency	Trout Unlimited	Streamflow protection or restoration	Klamath	\$249,867	\$552,734
16	Tumalo Feed Canal Conservation Phase 5	Tumalo Irrigation District	Streamflow protection or restoration, Water conservation	Deschutes	\$1,299,968	\$3,407,155
					\$3,156,345	\$6,300,907

Item F – Attachment 2 – Water Project Grants and Loans: Application Listing (2016 Funding Cycle)



SOUTHWEST REGION						
#	Project Title	Lead entity or individual	Project type(s)	County	Funding Requested	Total Cost of Project
17	Little Butte Creek Conservation And Quality Improvement	Jackson Soil and Water Conservation District	Water conservation	Jackson	\$149,330	\$569,600
					\$149,330	\$569,600
NORTH CENTRAL REGION						
#	Project Title	Lead entity or individual	Project type(s)	County	Funding Requested	Total Cost of Project
18	Coe Branch Pipeline And Efficiency Project	Middle Fork Irrigation District	Water conservation	Hood River	\$985,500	\$1,871,390
19	Desolation Creek Natural Water Storage	North Fork John Day Watershed Council	Other	Grant	\$361,709	\$504,319
20	Dog River Pipeline Replacement Project	City of The Dalles	Water conservation	Hood River	\$4,000,000	\$8,097,700
21	Highline Canal Pipeline	East Fork Irrigation District	Streamflow protection or restoration, Water conservation	Hood River	\$985,500	\$1,871,390
22	JDR Ranch Irrigation Efficiency Project	JDR Ranch LLC	Streamflow protection or restoration, Water conservation	Sherman	\$361,709	\$504,319
23	Kingsley Reservoir Expansion and Lowline Pipeline Project	Farmers Irrigation District	Water conservation, Above ground storage	Hood River	\$4,000,000	\$8,097,700
24	Morrow Regional Water Recycling And Reuse Project	Port of Morrow	Water reuse	Morrow	\$566,299	\$784,699
25	Mosier Deep Water Supply Well	Wasco County Soil and Water Conservation District	Other	Wasco	\$225,193	\$300,258
26	Painted Hills Reservoir Expansion	Pape Properties, Inc.	Above ground storage	Wheeler	\$3,000,000	\$4,241,000
27	Umatilla Beneficial Reuse Phase 1	City of Umatilla	Water reuse	Umatilla	\$10,094,422	\$35,030,968
28	West Fork Hood River Irrigation Conservation Development Project	Dee Irrigation District	Water conservation	Hood River	\$917,238	\$1,225,013
					\$25,486,670	\$59,283,863

Item F – Attachment 2 – Water Project Grants and Loans: Application Listing (2016 Funding Cycle)



NORTH WEST REGION						
#	Project Title	Lead entity or individual	Project type(s)	County	Funding Requested	Total Cost of Project
29	Clackamas ASR Well	Sunrise Water Authority	Below ground storage	Clackamas	\$1,500,000	\$2,000,000
30	Clackamas Water Conservation and Lower Milk Creek Restoration Projects	Clackamas Soil and Water Conservation District	Water conservation, Other	Clackamas	\$300,000	\$459,695
31	Dallas Water Storage	La Creole Orchards	Above ground storage, Other	Polk	\$96,910	\$139,461
32	Dayton Water System Improvement	City of Dayton	Water conservation, Repair or replace infrastructure, Other	Yamhill	\$1,940,627	\$2,587,503
33	Fiddlehead Farm Irrigation Innovation	Fiddlehead Farm	Other	Multnomah	\$25,304	\$35,495
34	Hazelnut Drip Irrigation Project	Jonathan Edmonds	Water conservation	Marion	\$40,716	\$54,288
35	Jetty Creek Fish Passage Restoration	Lower Nehalem Watershed Council	Repair or replace infrastructure, Other	Tillamook	\$56,050	\$618,607
36	Tide Creek Rainwater Collection Project	Canaan Hill Farm	Other	Columbia	\$10,500	\$14,585
37	Willakia Vineyard Reservoir Lining And Wetland Restoration	Ste. Michelle Wine Estates	Repair or replace infrastructure	Yamhill	\$152,875	\$219,195
					\$4,122,982	\$6,128,829
					\$50,959,520	\$99,146,204

Item F - Attachment 3 - Water Project Grants and Loans Scoring Tool

Project ID	
Project Title	
Lead entity or individual	
General project type	
Funding Requested	Total Cost of Project

1. ECONOMIC - The evaluation of economic benefits for a project shall be based on the changes in economic conditions expected to result from the project	Max Possible	Reviewer Score
(a) Job creation or retention;	5	
(b) Increases in economic activity;	5	
(c) Increases in efficiency or innovation;	5	
(d) Enhancement of infrastructure, farmland, public resource lands, industrial lands, commercial lands or lands having other key uses;	5	
(e) Enhanced economic value associated with tourism or recreational or commercial fishing, with fisheries involving native fish of cultural significance to Indian tribes or with other economic values resulting from restoring or protecting water in-stream;	5	
(f) Increases in irrigated land for agriculture.	5	
Total Economic	30	0

2. ENVIRONMENTAL - The evaluation of environmental benefits for a project shall be based on the changes in environmental conditions expected to result from the project	Max Possible	Reviewer Score
(a) A measurable improvement in protected streamflows that: (A) Supports the natural hydrograph; (B) Improves floodplain function; (C) Supports state or federally listed sensitive, threatened or endangered fish species; (D) Supports native fish species of cultural importance to Indian tribes; or (E) Supports riparian habitat important for wildlife;	5	
(b) A measurable improvement in groundwater levels that enhances environmental conditions in groundwater restricted areas or other areas;	5	
(c) A measurable improvement in the quality of surface water or groundwater;	5	
(d) Water conservation;	5	
(e) Increased ecosystem resiliency to climate change impacts;	5	
(f) Improvements that address one or more limiting ecological factors in the project watershed.	5	
Total Environmental	30	0

***NOTE: Evaluate projects based on the environmental benefits demonstrated in the application. However, please note that for projects that dedicate 25% of conserved water or newly developed water to in-stream use, a total environmental score below 18 will be replaced with a total environmental score of 18 in accordance with ORS 541.683(1)(b)(A).*

3. SOCIAL/CULTURAL - The evaluation of the social or cultural benefits for a project shall be based on the changes in social or cultural conditions expected to result from the project.	Max Possible	Reviewer Score
(a) The promotion of public health and safety and of local food systems;	5	
(b) A measurable improvement in conditions for members of minority or low-income communities, economically distressed rural communities, tribal communities or other communities traditionally underrepresented in public processes;	5	
(c) The promotion of recreation and scenic values;	5	
(d) Contribution to the body of scientific data publicly available in this state;	5	
(e) The promotion of state or local priorities, including but not limited to the restoration and protection of native fish species of cultural significance to Indian tribes;	5	
(f) The promotion of collaborative basin planning efforts, including but not limited to efforts under the state integrated water resources strategy.	5	
Total Social & Cultural	30	0

OTHER CONSIDERATIONS	Max Possible	Reviewer Score
Preference points for collaboration. Repeat points from 3f here, if 3f ≥ a median score	5	

TOTAL PUBLIC BENEFIT SCORE	95	0
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Item F - Attachment 3 - Water Project Grants and Loans Scoring Tool

Comments:

Strengths (e.g., strengths of this application include...)

Weakenesses (e.g., areas of this application that could be improved include...)