



Water Project Grants and Loans Funding Recommendations

Kim Fritz-Ogren, Manager

Adair Muth, Grant Coordinator

Planning, Collaboration & Investments

November 16, 2023

Integrated Water Resources Strategy (IWRS)

Recommended Action: 13.E - Invest in Implementation of Water Resources Projects



Planning, Collaboration, & Investments Section

Builds partnerships and incentivizes Oregonians to pursue integrated and innovative solutions for complex water challenges and an uncertain water future.



Strategic
Investments



Adaptive
Planning



Cooperative
Partnerships



Accessible
Information



Effective
Coordination

Planning, Collaboration, & Investments Section



Placed-Based Planning

Plan & identify actions



Feasibility Study Grants

Investigate feasibility



Water Project Grants & Loans

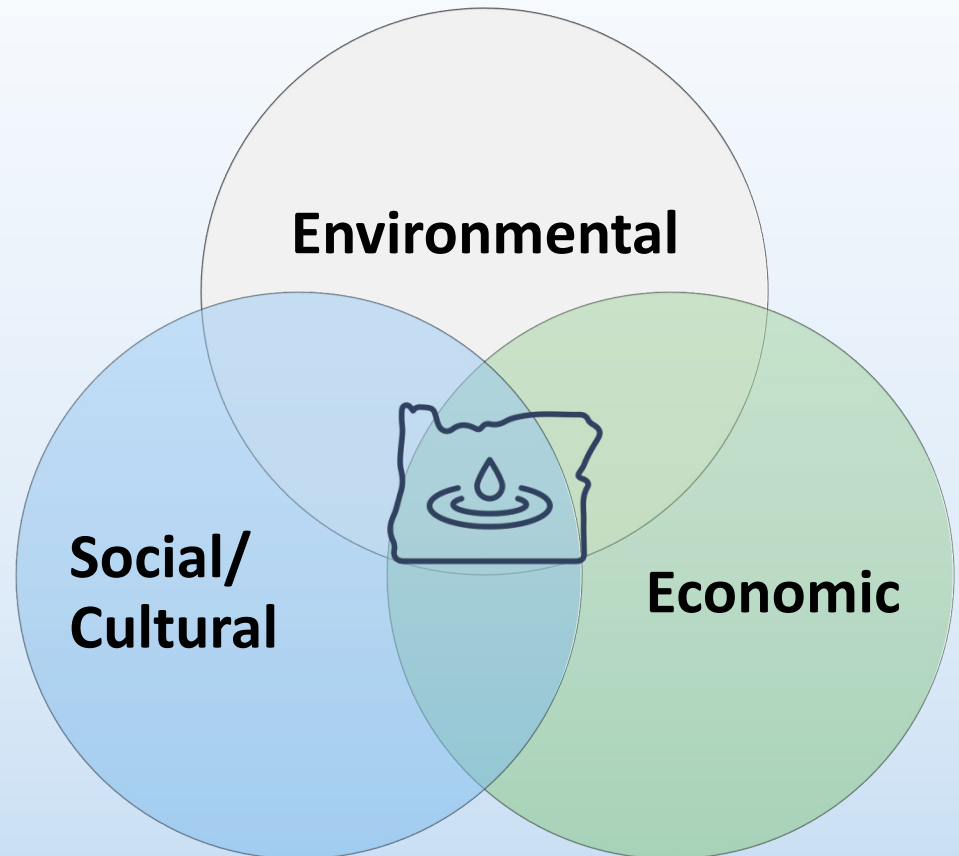
Implement

- Well Abandonment, Repair, and Replacement Fund
- Harney Domestic Well Remediation Fund
- Water Measurement Cost Share Program
- Irrigation Modernization Funding
- Direct Appropriations

Purpose

Provide funding for Water Supply projects that:

- Meet instream and out-of-stream needs and
- Achieve Public Benefits in three 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
2020	3	\$4,800,000
2021	6	\$7,617,440
2022	3	\$6,642,745
Total	37	\$43,002,410

Review Process

Applications submitted – reviewed for eligibility and completeness



Affected Tribes contacted



60-day public comment period



Multi-agency Technical Review Team



30-day public comment period



Commission awards funding

2023 Funding Cycle

- Application deadline: April 26, 2023
- Received ten applications
- Funding requested: \$28,987,945
- Funding available: \$13,956,563

Public Comments on Applications

- 60-day public comment period: May 26, 2023 – July 25, 2023
- No Tribal comments received
- One public comment received in support of Trout Unlimited's Sarthou South Fork Little Butte Cr Irrigation Efficiency Project



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



Change in conditions described



Supporting evidence or documentation

Application Scoring

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

6 Questions in each public benefit category

72 Available points in each category

24 Potential preference points: legally
protected streamflow & collaboration

240 Total points available

Minimum Category Score

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

A category score of “7” signals that the public benefits are more than “Minor”

Each category must meet the minimum score

TRT Funding Recommendations

- TRT ranked projects by greatest public benefit score
- Generated TRT funding recommendation based on the:
 - Public benefit score, and
 - Available funding (\$13.9M)
- TRT recommends funding projects ranked #1 through #5

TRT Recommended Projects

Rank	Project Name	Funding
1	McKay Creek Water Rights Switch	\$4,063,000
2	Oanna & Yasui Sublateral Efficiency Project	\$1,499,875
3	Arnold Irrigation District Deschutes Basin Flow Restoration Project - P2	\$2,903,667
4	NUID Irrigation Modernization & Winter Flow Augmentation Project - S1-2	\$5,075,000
5	Sarthou South Fork Little Butte Cr Irrigation Efficiency Project	\$252,177
Total		\$13,793,719

Projects Not Recommended by TRT

Rank	Project Name	Funding
6	Deschutes Basin Flow Restoration - Group 6b	\$2,190,726
7	Mission Area Wastewater Treatment and Reuse	\$5,000,000
8	Well 10 Drilling and Construction	\$950,000
9	Water Resiliency Phase 3a - Highway 101 Backbone	\$5,053,500
10	Kingman Lateral First Mile Piping	\$2,000,000
Total		\$15,194,226

Public Comments on Funding Recommendations

- 30-day public comment period August 31 – October 2, 2023
- No Tribal comments received
- Four public comments received
 - Four in support of Tumalo Irrigation District's project
 - One in support of Owyhee Irrigation District's project

Other Considerations

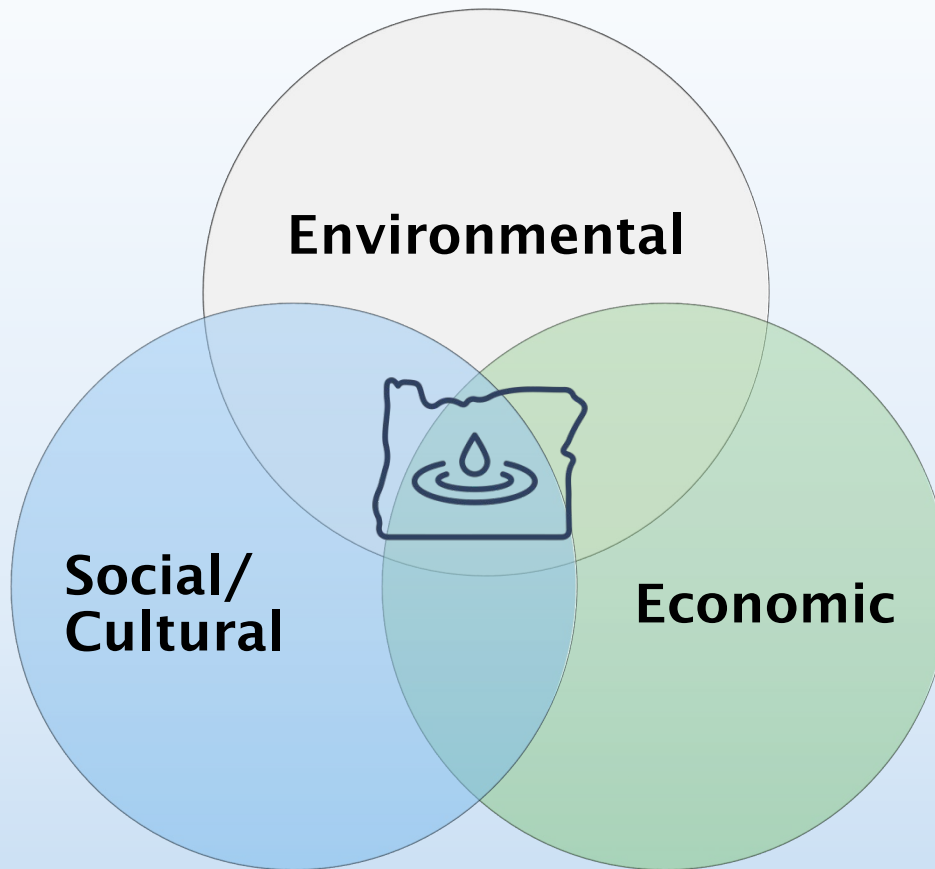
- 2023 legislative session, North Unit Irrigation District (NUID) received a Direct Appropriation for \$2,000,000
- Confirmed with NUID funding is for same project
- NUID reduced WPGI funding request from \$5,075,000 to \$3,075,000



Revised Recommended Projects

Rank	Project Name	Funding
1	McKay Creek Water Rights Switch	\$4,063,000
2	Oanna & Yasui Sublateral Efficiency Project	\$1,499,875
3	Arnold Irrigation District Deschutes Basin Flow Restoration Project - P2	\$2,903,667
4	NUID Irrigation Modernization & Winter Flow Augmentation Project – S1-2	\$3,075,000
5	Sarthou South Fork Little Butte Cr Irrigation Efficiency Project	\$252,177
6	Deschutes Basin Flow Restoration - 6b*	\$2,190,726
Total		\$13,984,445

Recommended for Funding





McKay Creek Water Rights Switch Project

Project Type	Flow Restoration & Protection, Water Infrastructure
Applicant	Ochoco Irrigation District & Deschutes River Conservancy
Funding Request	\$4,063,000
Total Cost	\$45,131,286
County	Crook



McKay Creek Water Rights Switch Project

Project Highlights

- Construct a pump station, 6-mile pipeline, and associated infrastructure along McKay Creek
- Irrigators will trade privately held water rights, sourced from McKay Creek, for water rights held by District, sourced from Prineville Reservoir
- Irrigators will transfer 11.2 cfs of McKay Creek water rights instream

Public Benefit Category Score Breakdown

Public Benefit Category Score Breakdown				Total
Econ	Env	Soc/Cultr	Other	
33	36.5	30	12	111.5



Oanna & Yasui Sublateral Efficiency Project

Project Type	Conservation, Flow Restoration & Protection, Water Infrastructure
Applicant	East Fork Irrigation District
Funding Request	\$1,499,875
Total Cost	\$3,800,000
County	Hood River



Oanna & Yasui Sublateral Efficiency Project

Project Highlights

- Replace 15,700 feet of non-pressure rated pipe and 8 open concrete water boxes with 11,700 ft of pipe, 3 large & 6 small pressure reducing stations
- Restore 1.5 cfs to the East Fork Hood River
- Conserved water protected through the Allocation of Conserved Water Program

Public Benefit Category Score Breakdown				Total
Econ	Env	Soc/Cultr	Other	
24	29.5	32.5	18	104



Arnold Irrigation District Deschutes Basin Flow Restoration Project - P2

Project Type	Conservation, Flow Restoration & Protection, Water Infrastructure
Applicant	Arnold Irrigation District
Funding Request	\$2,903,667
Total Cost	\$12,458,667
County	Deschutes



Arnold Irrigation District Deschutes Basin Flow Restoration Project - P2

Project Highlights

- Pipe 23,175 feet of open canal
- Restore 12.6 cfs to the Deschutes Basin during the winter
- Water would be protected instream through a change in the character of use for stored water and released for instream purposes

Public Benefit Category Score Breakdown				Total
Econ	Env	Soc/Cultr	Other	
23	28	26	12	89



Irrigation Modernization and Winter Flow Augmentation Project – Segment 1-2

Project Type	Conservation, Flow Restoration & Protection, Water Infrastructure
Applicant	North Unit Irrigation District
Funding Request	\$3,075,000
Total Cost	\$20,300,000
County	Deschutes



Irrigation Modernization and Winter Flow Augmentation Project – Segment 1-2

Project Highlights

- Pipe 34,040 feet of open canal
- Restore 5.3 cfs to the Deschutes Basin during the winter
- Water would be protected instream through a change in the character of use for stored water and released for instream purposes

Public Benefit Category Score Breakdown				Total
Econ	Env	Soc/Cultr	Other	
22.5	26.5	26	12	87



Sarthou South Fork Little Butte Cr Irrigation Efficiency Project

Project Type	Conservation, Flow Restoration & Protection, Water Infrastructure
Applicant	Trout Unlimited
Funding Request	\$252,177
Total Cost	\$315,238
County	Jackson



Sarthou South Fork Little Butte Cr Irrigation Efficiency Project

Project Highlights

- Upgrade from flood-irrigation to a combination of center-pivot, wheel-lines, and k-pods on 34.7 acres
- Eliminate 2.26 miles of irrigation ditch by moving the POD 0.9 miles downstream and installing a pump system with fish screen
- Restore 0.164 cfs to the South Fork Little Butte Creek
- The conserved water would be protected through the Allocation of Conserved Water Program

Public Benefit Category Score Breakdown

Public Benefit Category Score Breakdown				Total
Econ	Env	Soc/Cultr	Other	
21.5	28	23.5	12	85



Deschutes Basin Flow Restoration - Group 6b

Project Type	Conservation, Flow Restoration & Protection, Water Infrastructure
Applicant	Tumalo Irrigation District
Funding Request	\$2,190,726
Total Cost	\$5,465,625
County	Deschutes



Deschutes Basin Flow Restoration - Group 6b

Project Highlights

- Pipe 11,261 feet of open canal and laterals
- Restores 0.85 cfs of water to Tumalo Creek during the irrigation season and Crescent Creek in the winter
- The conserved water would be protected through the Allocation of Conserved Water Program

Public Benefit Category Score Breakdown				Total
Econ	Env	Soc/Cultr	Other	
18	24	20	9	71



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 changes resulting from project

Commission Alternatives:

The Commission may consider the following:

1. Adopt the funding recommendation contained in Table 2 of this report to fund six applications for a total award of \$13,984,445.
2. Adopt a modified funding recommendation.
3. Direct the Department to further evaluate the applications and return with a revised recommendation.

Recommendation

The Acting Director recommends Alternative #1

- 1. Adopt the funding recommendation contained in Table 2 of this report to fund six applications for a total award of \$13,984,445.**
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



Mission Area Wastewater Treatment and Reuse

Project Type	Reuse & Other: Wetlands and ponds water storage and reuse
Applicant	Confederated Tribes of the Umatilla Indian Reservation
Funding Request	\$5,000,000
Total Cost	\$41,250,000
County	Umatilla



Mission Area Wastewater Treatment and Reuse

Project Highlights

- Create four wetland/storage pond structures to store recycled water for reuse
- Recycled water would be used for the irrigation of the casinos' landscaping/golf course instead of using water withdrawn from the regional aquifer
- Part of larger wastewater treatment and reuse project that will produce Class A recycled water for non-potable uses

Public Benefit Category Score Breakdown

Public Benefit Category Score Breakdown				Total
Econ	Env	Soc/Cultr	Other	
22.5	11.5	18	3	55

Well 10 Drilling and Construction

Project Type	Water Infrastructure
Applicant	City of Milton-Freewater
Funding Request	\$950,000
Total Cost	\$2,655,000
County	Umatilla

Well 10 Drilling and Construction

Project Highlights

- Drill a new ~1,200-foot-deep municipal water supply well
- Replace an old open-borehole well with new sealed well for the City of Milton-Freewater
- Help the City continue to utilize aquifer system instead of relying upon the Walla Walla River during low-flow periods and provide drinking water to over 7,100 users

Public Benefit Category Score Breakdown

Public Benefit Category Score Breakdown				Total
Econ	Env	Soc/Cultr	Other	
18	4	17	3	42



Water Resiliency Phase 3a - Highway 101 Backbone

Project Type	Water Infrastructure
Applicant	City of Cannon Beach
Funding Request	\$5,053,500
Total Cost	\$6,738,000
County	Clatsop



Water Resiliency Phase 3a - Highway 101 Backbone

Project Highlights

- Construct a water transmission line (“backbone”) along US 101 in Cannon Beach to provide redundant water transmission system in case of seismic event
- A north section will provide water transmission to the north side of the city
- A south section will serve the south side of the city and connect to the Tolovana Reservoir

Public Benefit Category Score Breakdown				Total
Econ	Env	Soc/Cultr	Other	
17	3	17.5	3	40.5

Kingman Lateral First Mile Piping

Project Type Conservation, Water Infrastructure

Applicant Owyhee Irrigation District

Funding Request \$2,000,000

Total Cost \$5,100,000

County Malheur

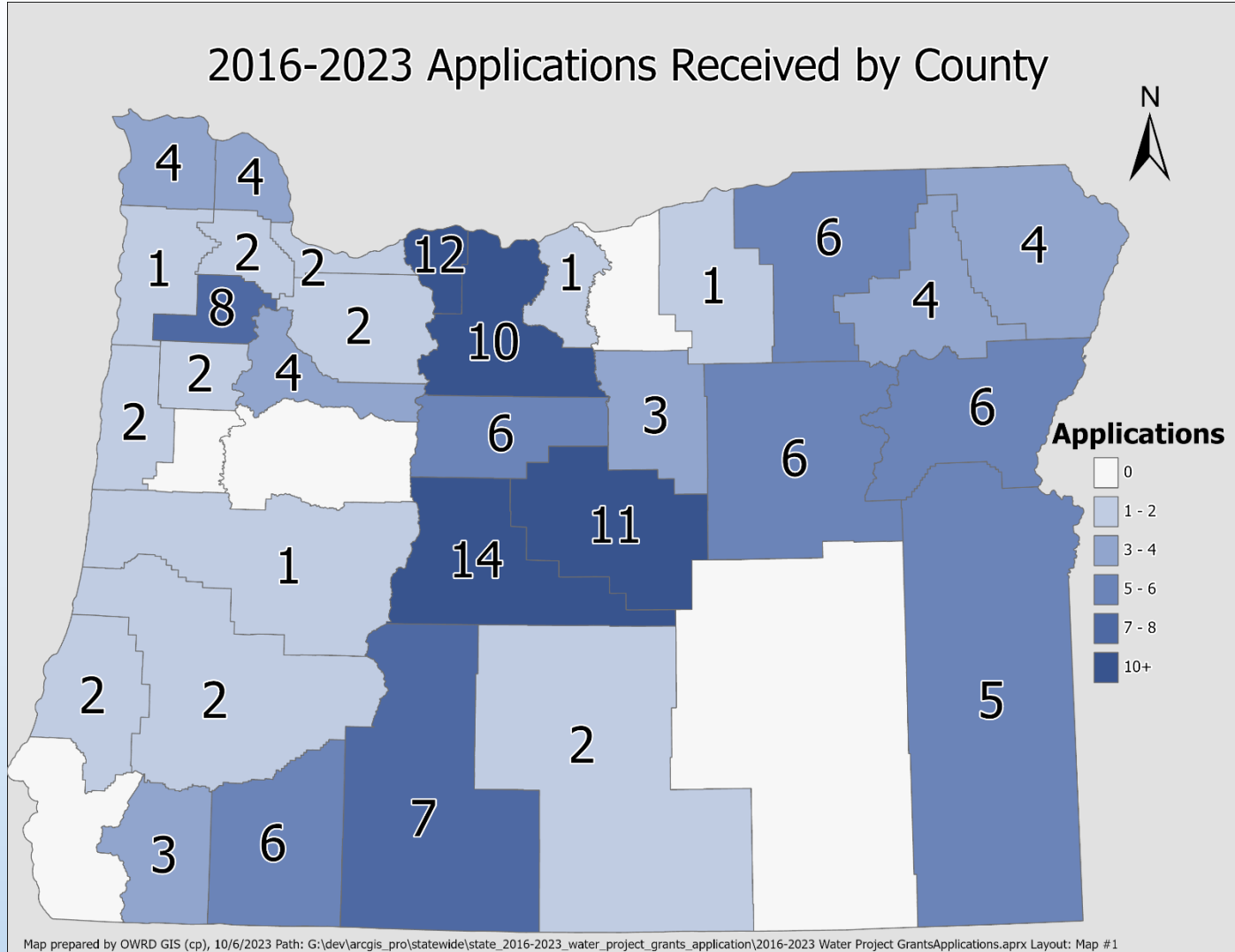
Kingman Lateral First Mile Piping

Project Highlights

- Pipe 5,900 feet of open canal and install a new headworks structure
- 25% of conserved water would be available to ODFW when called for to benefit the Owyhee River fishery

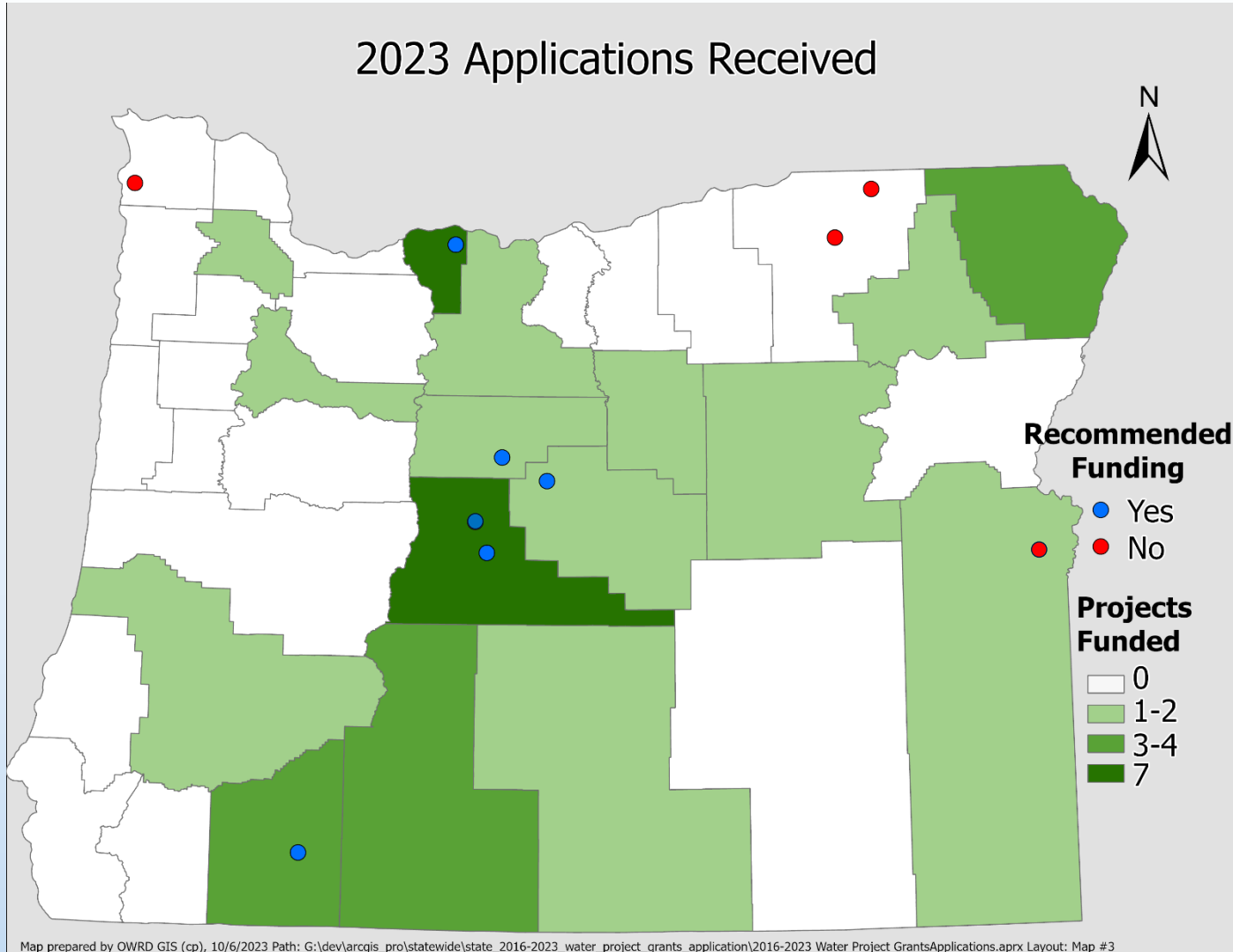
Public Benefit Category Score Breakdown

Public Benefit Category Score Breakdown				Total
Econ	Env	Soc/Cultr	Other	
12	10	10	1	33

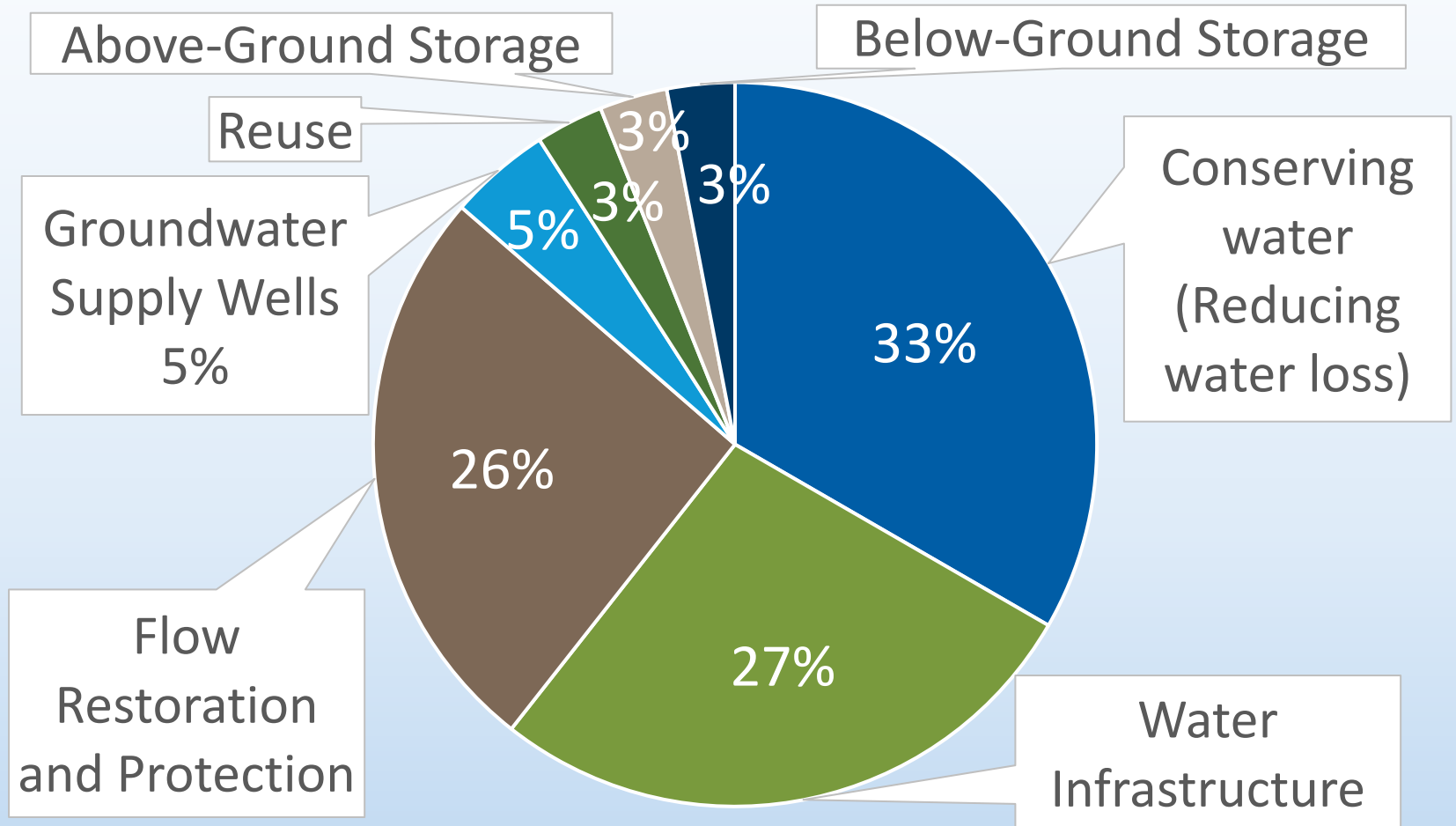


Map prepared by OWRD GIS (cp), 10/6/2023 Path: G:\dev\arccgis_pro\statewide\state_2016-2023_water_project_grants_application\2016-2023 Water Project GrantsApplications.aprx Layout: Map #1

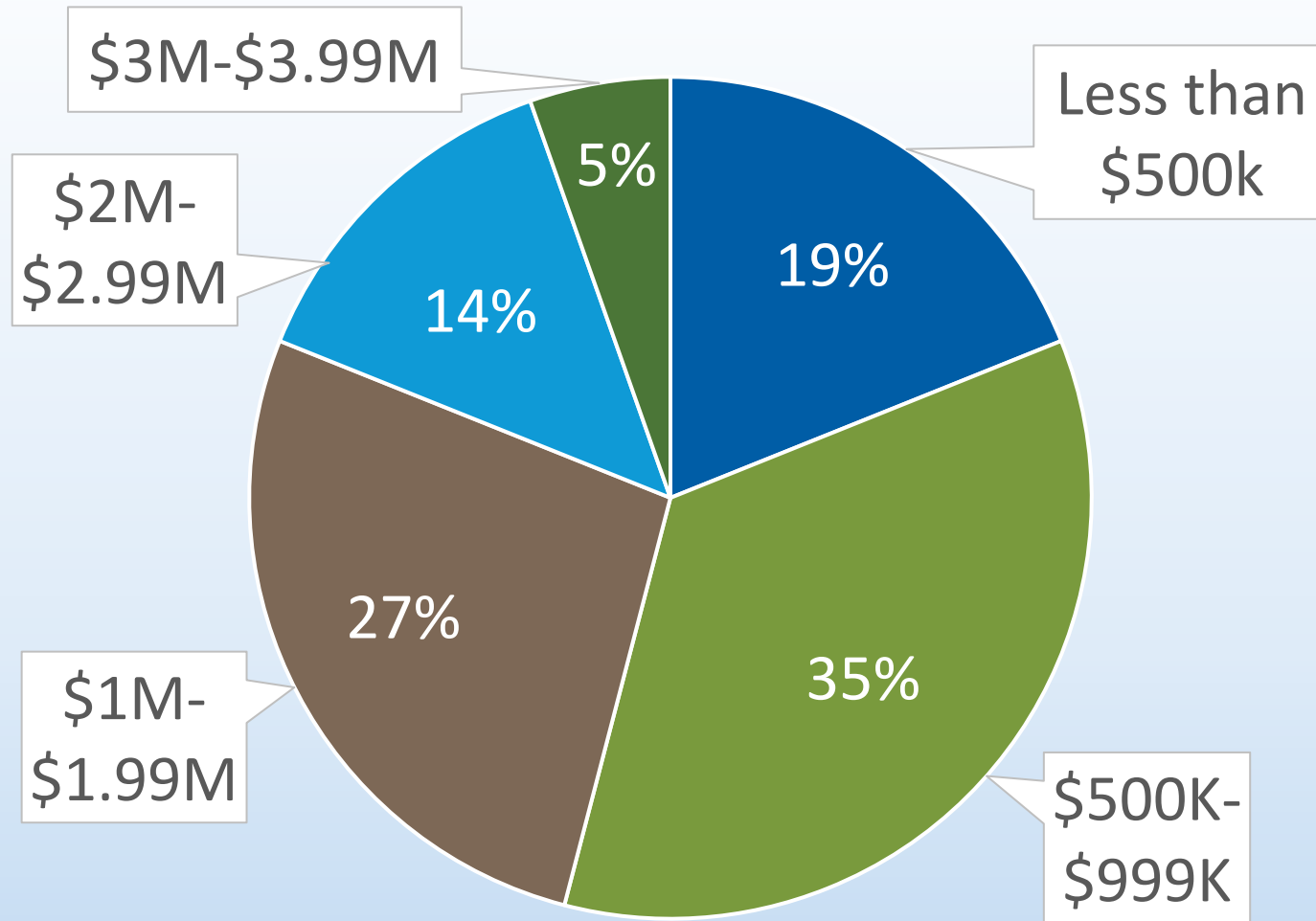
2023 Applications Received



WPGL Awards - Project Types Number of Projects 2016-2022

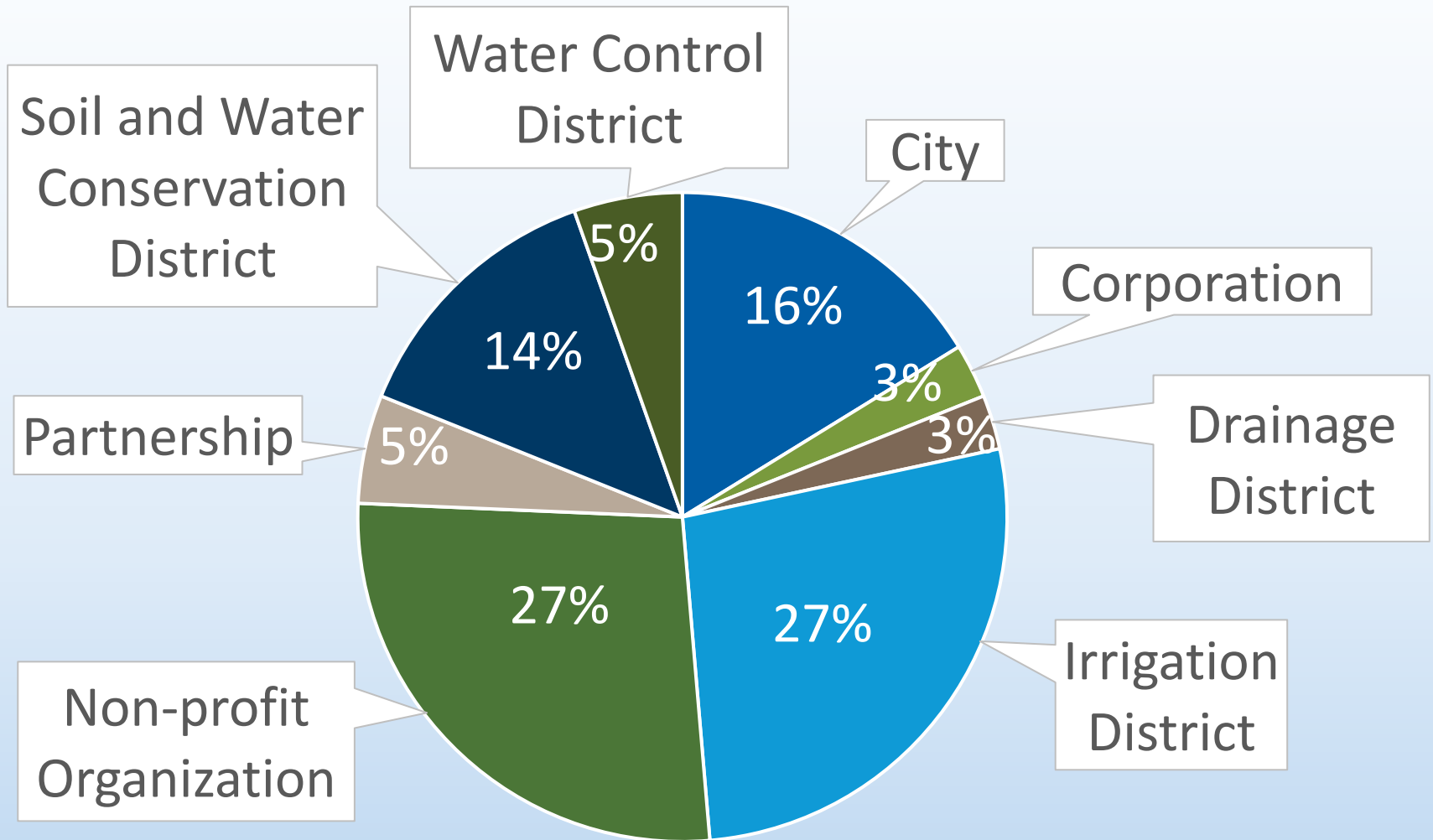


WPGL Awards – Award Size Number of Projects 2016-2022



WPGL Awards - Entity Types

Number of Projects 2016-2022



Scores Across Time

Year	High Score	Lowest Score Funded	Lowest Score
2023	111.5	TBD	33
2022	96	37	27
2021	125	54	8
2020	81	51	11