# 2024 GRANT SOLICITATION

# IRRIGATION MODERNIZATION FUNDING

# GRANT APPLICATION

## APPLICATION DEADLINE: 5:00 PM ON JANUARY 17, 2024

***Application must be received by this date and time***

Send application electronically to: OWRD.Grants@water.oregon.gov

Mail application to: **OREGON WATER RESOURCES DEPARTMENT**
**Attention: Grant Coordinator**
**725 Summer Street NE, Suite A**
**Salem, OR 97301**

**Application Assistance – Instructions, Scoring Criteria and Pre-Application Conferences**

We encourage all applicants to review the *Irrigation Modernization Funding Application Instructions* and *Scoring Criteria* while drafting their application and to request a *Pre-Application Conference* before applying. OWRD will review your draft application and provide feedback. You must submit your draft application two weeks before the pre-application conference. Pre-application conferences will not be scheduled the week of the application due date. To learn more, check out the Pre-application Conference document under Irrigation Modernization Funding on the Water Project Grants and Loans, Applications, Forms and Guidance webpage.

## APPLICATION SUBMISSION INSTRUCTIONS

1. Complete Sections I through VIII in the spaces provided. **Use the Irrigation Modernization Funding Grant Application Instructions and Scoring Criteria documents when completing your application.** All resources are available at the Water Project Grants and Loans webpage.
2. Complete the application checklist.
3. Submit the application on the form provided by OWRD. Do not alter the application for the purpose of formatting or changing the document structure.
4. Please ensure that the Certification portion of Section II is signed with a live signature by the Applicant and, if applicable, the Co-Applicant.
5. Submit the completed application and all attachments via email or in hard copy. Electronic application submission is the preferred method. You may scan a copy of the signed signature page and submit it with your application as long as both documents are included in the same email.
6. If the application is submitted in hard copy, use 8 ½" x 11" single sided, unstapled pages. Provide any attachments to the application on 8 ½" x 11" single-sided, unstapled pages.

7. Applicants are discouraged from submitting information considered proprietary unless it is deemed essential for proper evaluation of the application. Please note that eligible and complete applications will be posted on OWRD's Funding Cycle History webpage.

8. Contact OWRD at 971-301-0718 or OWRD.Grants@water.oregon.gov if you have any questions.

i

OREGON WATER RESOURCES DEPARTMENT

# IRRIGATION MODERNIZATION FUNDING 2024 GRANT APPLICATION

## I. Project Information

Project Name: Kingman Lateral 1st Mile Piping

Grant Funding Request: $ 2,000,000

Match Funding: $3,100,000

Total Cost of Project (Grant Funding Request + Match Funding): $5,100,000

## II. Applicant Information

| **Applicant Name: Owyhee Irrigation District** | **Co-Applicant Name:** |
|---|---|
| Address:422 Thunderegg Blvd Nyssa, OR 97913 | Address: |
| Phone: (541)372-3540 | Phone: |
| Email: office@owyheeirrigation.org | Email: |
| **Principal Contact: Clancy Flynn** | **Fiscal Officer: Katie Wortman** |
| Address: same as above | Address: same as above |
| Phone: (541)372-3540 | Phone: same as above |
| Email: CFlynn@owyheeirrigation.org | Email: katie@owyheeirrigation.org |

**Certification**: I certify that this application is a true and accurate representation of the proposed work and that I am authorized to sign as the Applicant or Co-Applicant. By the following signature, the Applicant and Co-Applicant (if applicable) certify that they are aware of the requirements of an Oregon Water Resources Department funding award, have read and are aware of conditions within the example grant agreement on the OWRD's website and are prepared to implement the project, if awarded.

Signature of Applicant/Authorized Person: _____ Date: 23 Jan 2024

Print Name: Clancy Flynn Title: General Manager

Signature of Co-Applicant/Authorized Person: Date: _____ Print Name: _____ _____ Title:

## III. Eligibility

1. Is your project an irrigation modernization project? ☑ Yes ☐ No

   An irrigation modernization project is a project that improves water use efficiency of irrigation systems on currently irrigated agricultural lands.

   *Attention - If the answer is "No" to this question, your project is not eligible for this funding.*

2. Does your project leverage federal funding? ☑ Yes ☐ No

*Attention - If the answer is "No" to this question, your project is not eligible for this funding.*

If yes, please identify which qualifying federal match you have:

☐ Natural Resources Conservation Service funds associated with an authorized watershed

☐ U.S. Bureau of Reclamation WaterSMART grant

☑ U.S. Environmental Protection Agency grant *and* your entity is eligible to be on the Department of Environmental Quality's Intended Use Plan

Note: The federal funding source must also be listed in question 24 with match documentation.

3. Select applicant entity type for both applicant and co-applicant (if applicable).

| | | | |
|---|---|---|---|
| ☐ | City | ☐ | Non-Profit Organization |
| ☐ | Cooperative | ☐ | Partnership |
| ☐ | Corporation | ☐ | Port |
| ☐ | Oregon County | ☐ | Soil and Water Conservation District |
| ☐ | Drainage District | ☐ | Sole Proprietorship |
| ☐ | Indian Tribe | ☐ | Water Control District |
| ☐ | Individual | ☐ | Water Improvement District |
| X☐ | Irrigation District | ☐ | Other: |

4. Provide a brief, one to two paragraph description of the water supply need that the project intends to address. Please reference (and attach) supporting data or reports that document the need.

5. Is either the Applicant or Co-Applicant required to have a Water Management and Conservation Plan (WMCP)? YES__X__ No____
   If yes, has the plan been submitted to the Water Resources Department and received approval? Yes__X__ No____

*Pursuant to ORS 541.659, if an applicant is required to have a water management and* ⚠ *conservation plan, the plan* ***must be submitted*** *to OWRD* ***and receive approval*** *prior to department acceptance of an application for a grant from the account. The application will be ineligible if a required plan has not been submitted and approved prior to the application deadline. Please contact wrd_dl_wmcp@water.oregon.gov with any questions about WMCPs.*

## IV. Project Summary and Location

The Owyhee Project was contemplated between 1891 and 1924 with construction from 1928-1946 it consists of +/-115,600 acres divided between the Owyhee Irrigation District (OID) and Ridgeview Irrigation District in Oregon and the Gem Irrigation District in Idaho. Gem and Ridgeview are operated by the South Board of Control (SBC) in Homedale, Idaho. SBC and OID are contractually obligated to coordinate the allocation and delivery of the project water supply. The water supply is part gravity from the Owyhee Reservoir, which is delivered to the North Canal for OID, the South Canal for SBC, and the river water is delivered in coordination with the Old Owyhee Ditch Improvement District (+/-12,500 ac), the senior river water right holder that pre-dates the Owyhee Project, based upon their water orders.

The Kingman Lateral is the first main delivery from the North Canal, and it supplies the irrigation water to 7,456 acres in the community of Adrian, Oregon (pop. 156 in 2021). All the residents in the area either work for the farms serviced by the Kingman Lateral, or are in some way dependent on the farm economy. The farms in the area also draw in labor from surrounding communities and the transportation, sales and consumption of farm products affect lives near and far from Adrian. The Kingman Lateral serves as the primary source of irrigation water for Adrian and boasts a maximum flow rate of 130 cubic feet per second (CFS). The Kingman Lateral is primarily an earthen canal that was dug into the slope of a hill approximately 1,200 feet away from the Owyhee River. That earthen canal lining is comprised of volcanic rock and other loose native materials. Over the years, this first mile of lateral has been lined with concrete, membranes, and other lining materials attempting to save seepage water and protect the embankment from catastrophic failure. These repairs have come with limited success due to instability of the embankment that has caused these materials to fail from the movement of the embankment. In the 1970s, seepage in this section of canal began to saturate the slope so significantly that a large slough occurred, and the canal nearly fell victim to catastrophic failure. Since that time, OID has spent hundreds of man hours lining, relining, and repairing the canal embankment to prevent catastrophic failure nearly every year since. For example, in 2022 OID spent $36,676 in materials and $82,500 in equipment making the most recent lining patch repair.

This project is a vital component of the OID System Improvement Plan (OID SIP pg. 43), developed in collaboration with Farmers Conservation Alliance and NRCS, as OID progresses towards a watershed plan through the PL566 process. This project addresses various challenges outlined in the SIP, Malheur County Comprehensive Plan (MCCP), and the Owyhee Agricultural Water Quality Management Area Plan (OAWQMAP). These challenges include mitigating canal losses of approximately 10 CFS identified in the SIP pg. 18, addressing slope stability concerns related to the embankment referenced in the OAWQMAP pg. 29 and a goal in the MCCP pg. 23, ensuring protection against catastrophic failure, and managing sediment loading in the Owyhee River—a tributary of the Snake River both rivers are 303d listed water bodies (https://mywaterway.epa.gov/waterbody-report/OREGONDEQ/OR_SR_1705011007_05_102744/2022). These challenges have been documented and proposed solutions stated in OID Water Management and Conservation Plan (OID WMCP 2018) pgs. 19-29 & Tables: 11,12, Successfully addressing these issues not only enhances the efficiency of water conveyance but also contributes to drought resilience, flexibility in adapting to climate change, and the safeguarding of the economic future of the Adrian community, which is currently underserved and overburdened (https://screeningtool.geoplatform.gov/en/#9.43/43.7158/-117.1071). Enclosing the lateral in a conduit will eliminate the seepage, stope the continued failure of the lining materials, protect the river from a catastrophic canal failure, protect the local economy ( by preserving farm viability, production, jobs, and creating temporary jobs related to design and construction), and reduce pollutants in the Owyhee and Snake Rivers.

6. Provide a brief, 4-5 sentence summary of the proposed project. Please include the goal and scope of the project and summarize project implementation. Refer to the *Irrigation Modernization Funding*

The objective of the proposed project is to implement a comprehensive conservation strategy addressing various facets such as human safety, habitat protection, water and fuel savings, reduced sediment loading in 303d listed streams, and economic viability of the community. The project involves enclosing approximately 5,900 linear feet of an open canal by installing a 72" HDPE pipe within the existing canal profile, though the initial proposal suggested an 84" pipe, recent engineering analysis has led to the current proposal of 72" (OID SIP pg. 43). This section extends from the head gates downstream to the tunnel on the Kingman Lateral, chosen due to slope instability and significant water losses (OID SIP pg. 18). The holistic scope of work includes the rehabilitation of operation and maintenance (O&M) roads, the construction of automated headgate facilities, the establishment of a structure at the termination linking to the existing canal tunnel, and the subsequent backfilling of the pipe.

*Application Instructions* for additional information on what to include.

**Instructions:** Please answer the following questions about the location of the proposed project.

7. Please provide the following information about the project location.
   a. Latitude, Longitude (in decimal b. County: degrees): 43°43'37.68" N / 117°10'40.41" W
   b. County: Malheur
   c. Watershed/Basin: Owyhee
8. Please attach and label, Attachment #1, a site plan map(s) showing all the following items:
   a. X Project area boundaries
   b. X True north arrowin project area boundary. Use the same Tax Lot No. on the map as is used in Question 9
   c. ☐ Map title and legend
   d. ☐ Latitude and longitude of project location
   e. ☐ Property boundaries
   f. ☐ Surface water bodies
   g. ☐ Location of involved structures (existing or proposed)
   h. X Tax Map and Lot numbers of each property below. ***Note: Each property where project work is planned must be identifiable on the map or your application will be deemed incomplete.***
   i. ☐ Point(s) of Diversion and Place(s) of Use associated with the project (if applicable)
   j. ☐ Proposed measurement location(s) (if applicable)

9. Complete the table below to identify any properties that will be impacted by project implementation. Indicate the types of activities that would occur on each impacted property. ***Note: Each property identified below must be shown on the attached site map or your application may be deemed incomplete****. Add rows as needed.*

| **Tax Map No.** (e.g. 12S06W-12714) | **Tax Lot No.** (e.g. 100) | **Ownership Type ( ✓ One)** | **Property Owner of Record** | **What type of activity occurs on this site as part of project implementation? ( ✓ all that apply)** | **If applicable, identify the type and extent of ground disturbing activity (e.g. test pits, borings, new road construction, excavation, etc.).** | **Landowner Agreement Form Attached (✓ when complete)** |
|---|---|---|---|---|---|---|
| 21S45E | 100 | ☒Public<br>☐Private | USA | ☐ Access site<br>☒ Project work<br>☐Ground disturbing activity<br>☐Other impact: _____ | Sub-grade, pipe laying and backfill | ☐ |
| 21S45E | 300 | ☐Public<br>☒Private | Dorn Enterprises | ☐ Access site<br>☒ Project work<br>☐Ground disturbing activity<br>☐Other impact: _____ | Sub-grade, pipe laying and backfill | ☐ |

10. For each property listed in Question 9, evidence will be required documenting legal easement on or ownership of all lands where the work will be carried out. Evidence includes but is not limited to: (i) documentation of easement, (ii) easement holder's agreement to allow Grantee to carry out the work, or a portion of the work on the servient estate, or (iii) deed or other documentation of land ownership. *Submission of this information will be a condition of the grant agreement; you can provide it now or after the grant agreement is signed.*

## V. Project Details and Description

**Instructions:** Please answer the following questions.

11. Provide additional information (building on the project summary) to further describe the proposed project and how the project will achieve its goals.

The overarching goal of the project is to enhance drought and climate change resilience. The achievement of this goal is facilitated through the following primary objectives:

Water Savings: Eliminating seepage by enclosing the open canal in a conduit to achieve 475AF of water savings. OID has a WaterSmart grant and a pending application through OWEB for cost share match aimed at achieving final design of the project.

Catastrophic Failure Mitigation: Since the 1970s when the large slough occurred the Kingma liner has been a budget line item for OID 2018-2021 it was set at $5,000 and in 2022 it was $20,000 with actual spending of $36,600 in materials, $82,000 in equipment. This project will protect the canal from catastrophic failure by reducing/preventing:

a. Contamination of the Owyhee River from silt and aquatic herbicides used for controlling weeds. OID has completed many projects in collaboration with NRCS and the local SWCD to pressurize farm deliveries by enclosing open canals in conduit which in turn leads to a reduction of contaminates returned to the river. The outcomes of these projects have been tracked by drain sampling done by the Malheur County SWCD, to which OID contributes at least $2,500 annually.

b. River blockage due to washed-in materials could affect the course, velocity, water temperatures, and recreational make of this section of the river.

c. Property damage caused by water and washout material. There are public and private properties at risk should a canal failure happen. The public land is used for cattle and recreational purposes; there is potential injury/mortality and loss of grazing land for cattle, as well as the risk of personal property damage to the recreationists' equipment such as fishing rods, tackle, vehicles, etc. The private landowner's property would be inundated if canal failure blocked the river causing the water level to rise. Additionally, river pumps for all those who hold river water right downstream would be damaged from the added silt load in the river.

d. Habitat damage resulting from water and washout materials would become an obstruction to fish and other animal activities. A blockage would cause rising water levels that could damage habitat. The presence of those materials alone could damage the aquatic ecosystem for many years afterward.

e. Reducing the risk of injury or death from water and washout materials to people that might be in this section of the river. Individuals utilize this area for various recreational purposes, such as camping along the river embankment, fishing, and ATV riding. There is also a risk to the river property owner mentioned previously.

Crop Loss Prevention: A canal failure would lead to irrigation water being unavailable to the 7,456 acres we supply in that area. The canal would likely be down for an extended amount of time while the repairs are being made and this would lead to devastating crop loss.

Economic Damage Mitigation: Preventing economic damage through the preservation of productive farmlands.

12. Describe partnerships and collaborative efforts associated with the planning or implementation of this project. Include a description of how parties of diverse interests worked, or will work, together to achieve a common goal.

Collaborative efforts for this project involve the local NRCS office and the local SWCD, aiming to address sediment and other water quality concerns in the area (OAWQMAP pg. 31). OID and these entities have successfully implemented similar projects in the past, documenting notable success in reducing water contaminants and enhancing water quality. Although this project aligns with the trajectory of previous successful endeavors, the already awarded federal grant diminishes the immediate necessity for extensive collaboration on this specific initiative. However, recognizing the value of ongoing partnerships, letters of recommendation from these entities will be included to further support and validate the project's objectives and potential impact.

13. List letters of support for this project (name and/or affiliation of sender is sufficient). Attach copies of the letters to your application.

Letters of support are from the local office of NRCS, Malheur SWCD, and Owyhee Watershed Council.

**Project Tasks**

14. Identify tasks necessary for the proposed project using the following format. Include as many tasks as necessary to implement the project. If your proposed project receives grant funding, the tasks identified will be incorporated into your grant agreement as the "Project Description."

    *Note: Project management and administration are common functions within specified tasks and not a separate task. All cost match and grant budget funds must apply to the tasks identified below. See the Budget Procedures and Allowable Costs document on the Applications, Forms and Guidance webpage for more information.*

    **For each task address the following:**

    Task number. Task Title

    - Task schedule: State the approximate dates during which the task will be completed.
    - Description of task activities: Include specific details of the task such as purpose, planned approach, and proposed methods.

    Task 1: Final Design bids/RFP Bids

    **Task Schedule:** June 2024 to December 2024
    **Description of Task Activities:** Publish, accept bids, and award final design engineering. Publish, accept, and award proposal for conduit materials. These task will be performed by OID admin staff.
    Permits/Regulatory Approvals Required: None; all activities will occur within areas where OID holds contract authority with the USA for maintenance and operation of canal works.

    Task 2: Final Design/Materials delivery

    **Task Schedule:** July 2024 to March 2025
    **Description of Task Activities:** Final engineering design (plan and profile of pipeline) will be performed by an outside engineering firm. Materials will be sourced from the manufacturer that can meet the design detail and delivery dates published by OID.
    Permits/Regulatory Approvals Required: None; all activities will occur within areas where OID holds contract authority with the USA for maintenance and operation of canal works.

Task 3: Site Prep

**Task Schedule:** June 2024 to October 2024
**Description of Task Activities:** Reconstruct project area roads to accommodate construction activities, including roads and lay-down areas. This work will be performed by OID equipment operators.
Permits/Regulatory Approvals Required: None; all activities will occur within areas where OID holds contract authority with the USA for maintenance and operation of canal works.

Task 4: Sub-grade Excavation and Pipe Installation

**Task Schedule:** October 2024 to March 2025
**Description of Task Activities:** Dig subgrade, lay pipe, install automation of lateral headworks, and build structures to connect the pipe to existing infrastructure. This work will be performed by OID crews. OID will likely need to hire some temporary laborers to accommodate the added workload the project will create.
Permits/Regulatory Approvals Required: None; all activities will take place within areas where OID has the contract authority with the USA for maintenance and operation of canal works.

Task 5: Backfill and Site Restoration

**Task Schedule:** March 2025 to September 2026
**Description of Task Activities:** Backfill over the pipeline, commission the automation, repair roadways, and replant native plant species. This work will be performed by OID crews. OID will likely need to hire some temporary laborers to accommodate the added workload the project will create.
Permits/Regulatory Approvals Required: None; all activities will take place within areas where OID has the contract authority with the USA for maintenance and operation of canal works**.**

*Copy and paste additional tasks as needed.*

15. Project Task Scheduling – Estimated total project duration: __ months

Place an "X" in the appropriate column to indicate when each task would occur. Note that successful applicants will not receive their grant agreement until Q3 of 2024. OWRD cannot reimburse for costs incurred prior to the effective date of the grant agreement. Project tasks listed must match the tasks identified in Question 14.

| **Tasks (Add additional rows as needed)** | **Grant year** | | | | **Grant year** | | | | **Grant year** | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 2024 | | | | 2025 | | | | 2026 | | | |
| | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 |
| Task 1 | ☐ | ☒ | ☒ | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |
| Task 2 | ☐ | ☐ | ☐ | ☒ | ☒ | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |
| Task 3 | ☐ | ☐ | ☒ | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |
| Task 4 | ☐ | ☐ | ☒ | ☒ | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |
| | | | | | | | | | | | | |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Task 5 | ☐ | ☐ | ☐ | ☐ | ☒ | ☒ | ☒ | ☒ | ☒ | ☒ | ☒ | ☒ |

16. Describe how you propose to measure and report the water diverted and used from the proposed project. Include a proposed method, timing, frequency, and location of measurement in your proposal. Consider that many forms of measurement will incur additional costs.

    *Note: Funded projects with any diversion of water are required by statute to "regularly measure and report the water diverted and used from the project" [ORS 541.692(3)]. OWRD makes the final determination on the method, timing, frequency, and location of measurement. Grant funds can be used to pay for measurement and reporting expenses during the life of the grant.*

The water measurement process will extend to the headgate structure of the Kingman Lateral, which, upon completion of the project, will be automated. This automated system aligns with the current reporting practices for water deliveries by OID. Any additional reporting requirements imposed by the USA or Oregon, as part of this project, will also be integrated into the reporting procedures to ensure comprehensive and compliant documentation. The diversion and delivery records pre-project and post-project will be compared to ascertain the water savings. The labor records from the past water years for ditchrider time are non-existent but for the water year '24 the ditchrider will track time spent in this section of canal and maintenance work will be track as well. The post project time spent on this section of canal will also be tracked for the period post-project that this award will require. For the water year 2024 measuring weirs will be installed to track the volume of water being returned to the Owyhee River, if a suitable location can be sited, and these devices will be track for the required reporting period of the award as well.

**Water Rights, Permits, and Regulatory Approvals**

*Attention – All current, pending, or planned water rights necessary to implement the proposed project must be listed below for the application to be accepted as complete.*

17. Identify any <u>currently held</u> water rights needed to <u>implement the proposed project</u> below. Check all of the following that apply and provide the information requested in the table below:

    a. ☐ The applicant holds the water right(s) required for the project. If checked, list all water rights required for the project in the table below, adding rows as needed. See the Application Instructions for further instruction, including how to find water right information.

    b. X The applicant has legal access to a water right that will be required for the project and has been given permission to use the water right(s). If checked, list all water rights required for the project in the table below, adding rows as needed. See the Application Instructions for further guidance, including how to find water right information.

| Water Right Number (Include prefixes, if applicable, e.g., <u>G</u> 00010) | Is this an application, permit, certificate, limited license, special or final order, transfer, decree, lease, or claim? | Water Right Amount | | | Tax Map/Lot IDs within the Place of Use where water will be used to implement the proposed project |
|---|---|---|---|---|---|
| | | Max Volume (ac-ft) | Max Rate (cfs) | Duty (ac-ft/ac) | |

| | | | | | |
|---|---|---|---|---|---|
| 75691 | Certificate | 600,000 | 2200 | 4363 | Same as certificate |

18. Identify any <u>new</u> water rights needed for the proposed project. Complete the table adding any essential information describing needed water rights or status.

| **Type of Water Right** Surface water, Groundwater, Limited License, Conserved water certificate, Storage, Secondary Use permit, Transfer, Instream Lease, etc. | **Status** Application not yet submitted, Application submitted and in progress (if submitted include application number) | **Anticipated Water Right Amount** | | | **Tax Map/Lot IDs within the anticipated Place of Use where water will be used to implement the proposed project** |
|---|---|---|---|---|---|
| | | **Max Volume (ac-ft)** | **Max Rate (cfs)** | **Duty (ac-ft/ac)** | |
| N/A | | | | | |

19. In the table below, provide a list of any permits and regulatory approvals needed to implement the project. Indicate the status and efforts to-date of each. Please attach copies of any secured permits/approvals. *Add rows as needed for additional permits.*

| **Project Activity Requiring Permit/Regulatory Approval** | **Permit/ Regulatory Approval Name and Entity Issuing** | **Status and Efforts to Date** |
|---|---|---|
| N/A | | |

If no permits or regulatory approvals are required, please provide an explanation below.

OID will perform all cultural and environmental surveys that may be required through the EPA grant that this project been awarded. OID will operate within the existing canal right-of-way (ROW).

## VI. Public Benefits

**Instructions:** Describe how the project would provide public benefits in each of the three public benefit categories (economic, environmental, social/cultural). In your responses, describe current conditions and anticipated project outcomes and benefits. Provide evidence to support your claims. Descriptions should be quantitative when possible.

Applications are scored and ranked based on the descriptions of the economic, environmental, and social/cultural public benefits and the likelihood of the project achieving the claimed benefits. More specifically, the evaluation is based on the change in conditions expected to result from the project as demonstrated in the application.

**<u>Application Tip:</u>** Please read the **Scoring Criteria** document on the Applications, Forms and Guidance webpage as you complete this section. The Scoring Criteria document will be used for both Irrigation Modernization Funding applications and Water Project Grants and Loans (WPGL) applications. Irrigation Modernization projects will be evaluated in the same manner as WPGL projects with one exception. For projects involving surface water rights where the project conserves water, priority shall be given to projects that legally protect a portion of the conserved water instream commensurate with the amount required under the approach described in ORS 537.470.

The Scoring Criteria document includes definitions of each public benefit and a description of how the public benefits are evaluated and scored. Applications that do not demonstrate public benefit in each of the three categories (economic, environmental, social/cultural) will be deemed incomplete. Applications **must** achieve a minimum score of seven in each of the three public benefit categories during the evaluation process to be eligible for funding.

Leave blank any public benefits that are not applicable to the proposed project.

20. Economic Benefits – ORS 541.673(2)
    a. Does the project create or retain jobs? If so, explain.

The project serves as a crucial safeguard for jobs, effectively preserving employment opportunities linked to the agricultural activities within the Kingman Lateral service area by acting as insurance against catastrophic canal failure. The retained jobs encompass all farmers and farm labor for the 7,456 acres serviced by Kingman Lateral, estimated at 152 positions. In addition to retaining these jobs, OID anticipates hiring contract labor or short-term workers, approximately 6 additional laborers, to assist in the pipe installation phase.

Utilizing district employees to perform the installation further contributes to job retention by preserving 6 OID staff positions. This underscores the project's impact on local employment, not only by safeguarding existing jobs but also by actively involving OID staff in the implementation phase of the project. The retention of these positions enhances the overall resilience of OID's workforce and reinforces the project's positive influence on local employment stability.

The design phase of the project is expected to involve the selection of an engineering contractor. This process will likely employ an engineer and a managing partner for the project, contributing to approximately +/- 100 hours of work. This comprehensive approach not only ensures the preservation of existing jobs critical for the local economy, but also generates additional employment opportunities during the project's implementation phases.

    b. Does the project increase economic activity? If so, explain.

There is the potential for an uptick in part and component sales throughout the procurement and construction phases. Additionally, OID is anticipated to hire contract labor or short-term personnel to aid in the pipe installation. Upon project completion, the realized water savings will enhance water availability for OID patrons as the water savings is equal to two full days of the Kingman lateral operations, contributing to increased productivity in their farm operations. This heightened productivity is expected to drive greater investments in local farms and communities, fostering economic growth. The exact increase in productivity is near impossible to quantify because each year will be different based upon water allotment, weather, crops being raised and other unforeseen potential events. However, having less loss and/or a slightly longer growing season, even by a day or two, could mean the difference of losing money or making a profit for some farmers in some fields.

The ancillary benefit of modest water quality improvements helps keep the Owyhee brown trout fishery healthy for recreational fishermen and the outfitter companies that guide hundreds of fishermen annually on the river.

c. Does the project result in increases in efficiency or innovation? If so, explain.

Certainly, the project integrates cutting-edge canal automation products to enhance water delivery efficiency and achieve water savings. Despite partial concrete lining in this canal section, its functionality resembles that of an earthen canal due to the slope instability it rests on. The concrete lining is susceptible to cracking from slope instability and impacts from falling rocks on the upslope side, leading to punctures in the liner. The transition from an earthen canal lateral to an HDPE pipe (conduit lateral) is anticipated to yield savings in water 475AF/yr., labor 100 man-hours/yr., and fuel 100gal/yr. Conduit laterals typically demand less maintenance, resulting in a reduction of man-hours. This reduction in man-hours not only translates to less fuel needed for travel to the site, but also less fuel consumption in equipment used for maintenance activities.

d. Does the project result in enhancement of infrastructure, farmland, public resource lands, industrial lands, commercial lands or lands having other key uses? If so, explain.

The project significantly contributes to the enhancement of public water delivery infrastructure. While an earthen canal has an indefinite lifespan, the generally accepted life span for a lined canal is 50 years. Presently, all concrete liners, except for repaired sections, have exceeded their life expectancy, rendering them susceptible to the same seepage rates as the earthen sections. Conduit laterals represent a substantial improvement to OID's infrastructure. Compared to earthen or lined laterals, conduit technology offers numerous benefits to farms and surrounding communities. Water delivery experiences less loss, contributing to improved slope stability that enhances public safety for recreationists and reduces the potential for sediment loading in the Owyhee River.

e. Does the project enhance 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 instream? If so, explain.

While the project's economic impact may not be easily quantified, it does make a substantial contribution to enhancing public water delivery infrastructure. Indirectly, it plays a crucial role in water conservation, allowing water to remain in the reservoir for extended periods each season. This, in turn, improves the availability of cold water vital for the Owyhee River cold water fishery downstream of the dam. Such enhancements positively influence the broader water ecosystem, ensuring the cultural significance, recreational value, and commercial opportunities are maintained for the benefit of current and future generations. The ancillary benefit of modest water quality improvements helps keep the Owyhee brown trout fishery healthy for recreational fishermen and the outfitter companies that guide hundreds of fishermen annually on the river.

f. Does the project result in increases in irrigated land for agriculture? (which may include increasing irrigated acres, agricultural economic value, or productivity of irrigated land) If so, explain.

The project does not expand the acreage of irrigated lands because OID has a specific number of irrigable acres in its boundaries per the water rights that it utilizes; rather, it safeguards the availability of water needed for the existing irrigated lands serviced by the project. The increased water availability and extension of the irrigation season resulting from saved water undeniably enhance the economic value and productivity of the irrigated agricultural lands.

21. Environmental Benefits – ORS 541.673(3)
    a. Does the project result in measurable improvement in protected streamflows? If so, complete the subquestions below and explain.
        i. Complete the table below:
            - List the existing water right information of the source water right to be moved, protected, or transferred instream, and
            - Name the legal means proposed to permanently dedicate and protect water instream by the Oregon Water Resources Department.

        *IMPORTANT Note: You MUST include the legal protection of water instream to receive a score for this public benefit. Projects which permanently dedicate water instream will extra points.* ***If awarded funding, the legal protection of water instream will be a condition of funding. Contact the Grant Coordinator for any questions about these grant conditions.***

**Legal Protection of Water Instream** *(add rows to table as needed)*

| **Water right permit or certificate number to be used in transaction for instream protection (e.g., irrigation, reservoir, or AR/ASR; S-####)** | **Rate(s) (cfs)/duty (ac-ft/ac) or volume (acft) of the contributing water right** | **Estimated rate (cfs)/duty (acft/ac) or volume (ac-ft) of water to be legally protected instream** | **Percent (%) of right to be legally protected instream** | **Transaction for Legal Means of Instream Protection (chose one)** |
|---|---|---|---|---|
| 75691 | 600,000AF | 119AF | .02% | ☐ Instream transfer<br>☐ Allocation of Conserved Water<br>☒ Above-ground storage release<br>☐ Below-ground storage release |
| | | | | As part of the EPA grant OID has committed to counting this saved water towards the ODFW releases as a way of starting to quantify the commitment in that agreement. |

        ii. **If using the Allocation of Conserved Water Program**: Identify the percent of the conserved water that will be permanently dedicated instream and protected by the Oregon Water Resources Department: 25 %

iii. Describe how the protected streamflows accomplish one or more of the following:

(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:

The cover over the pipe will create additional scrub ground, providing habitat that local native wildlife is accustomed to. Examples of affected wildlife include sage grouse, eagles, deer, elk, and other species.

b. Does the project result in water conservation? If so, explain.

Yes, the project is expected to achieve significant savings of approximately 475 acre-feet annually by addressing seepage and evaporative losses. This conserved water will contribute to improved water availability for irrigators and will increase the reservoir elevation. Increasing the elevation keeps reservoir releases colder and ODFW can potentially call for the release of a portion of it, as needed, for in-stream purposes.

c. Does the project result in measurable improvement in groundwater levels that enhances environmental conditions in groundwater restricted areas or other areas? If so, explain.

N\A

d. Does the project result in a measurable improvement in the quality of surface water or groundwater? If so, explain.

The saved water is quantifiable, and its retention in the reservoir allows for subsequent releases for irrigation or river flows. The water quality for the flows currently being returned to the river are measurable through a sampling project but OID lacks the funding, expertise, and other resources to undertake a project of this scope. Existing data that has and will be collected through current and future water quality monitoring efforts can be extrapolated and inferences for this project's benefits can be made.

e. Does the project increase ecosystem resiliency to climate change impacts? If so, explain.

Yes, the project facilitates later season releases by saving water in this canal reach which then becomes additional water available for later releases. OID has an agreement (OID/ODFW 1983), that was made when OID developed hydro power, with ODFW to release waters, when called upon, to maintain the water temps in the river downstream of the dam.

f. Does the project result in improvements that address one or more limiting ecological factors in the project watershed? If so, explain.

Indeed, the project will address the water quality in the Owyhee River, a 303d listed stream (https://mywaterway.epa.gov/waterbody-report/OREGONDEQ/OR_SR_1705011007_05_102744/2022), by reducing the seepage from the canal. The canal seepage moves through the canal embankment and continues along its path to the river below all the while picking up contaminates and increasing in temperature.

22. Social/Cultural Benefits – ORS 541.673(4)
    a. Does the project promote public health and safety and local food systems? If so, explain.

Absolutely, the project plays a critical role in securing the water source for the agricultural area around Adrian, OR, which encompasses approximately 7,456 acres of irrigated farmland. The increased water availability resulting from the project contributes to heightened farmland productivity, potentially leading to higher yields, and reduced fallowed lands. This enhanced productivity not only ensures the resilience of the local food system but also guarantees that the public is supplied with locally grown staples.

Moreover, the project addresses public safety concerns associated with open canals. The canals, when not fenced by landowners, are utilized by the public for walking, biking, driving, and other authorized activities. This usage has resulted in injuries and fatalities in the past, exemplified by an incident in 2022 when an elderly lady got lost at night. She high-centered her car on the canal embankment, fell into the canal, and tragically drowned. This incident occurred in the North Canal, approximately 9 miles downstream from the proposed project location.

The risk of canal embankment failure also poses a threat to public health. A potential washout could have severe and potentially deadly ramifications. If the embankment were to fail, excess flows and debris would inundate the river below the canal, endangering recreationists in and around the river. These individuals could be swept away or buried by the debris. Additionally, anyone on the O&M road or the roads leading to the canal would be at risk of injury or death from the flows or debris washed toward the river. The project, by mitigating these risks, actively contributes to public safety and well-being.

    b. Does the project result in measurable improvements in conditions for members of minority or low-income communities, economically distressed rural communities, tribal communities or other communities traditionally underrepresented in public processes? If so, explain.

The community of Adrian, OR, is officially recognized as overburdened and underserved according to the newly released Climate and Economic Justice Tool by the Federal Government. Although the project's benefits to this community may take time to fully manifest and may be challenging to quantify immediately, OID maintains that this should not diminish the significance of its impact. The project's primary benefits will accumulate over the years, especially when combined with other conservation efforts by OID. Therefore, the long-

term and cumulative nature of these benefits should not be overlooked, considering the challenges associated with quantification and measurement.

c. Does the project promote recreation and scenic values? If so, explain.

The project contributes to promoting scenic views by burying a pipeline in the location of an open canal. This adjustment aligns closer with the natural scenery that existed before the canal was constructed, enhancing the overall visual aesthetics of the area. This area is often used for nature photography, ATV sightseeing, wildlife viewing and other enjoyment of the Owyhee rangeland. This project will improve these activities in the area of the canal right-of-way by restoring it to a more natural state.

d. Does this project contribute to the body of scientific data publicly available in this state? If so, explain.

Certainly, the project aligns with the scientific principles of water savings achieved by enclosing irrigation canals in conduits. This approach is rooted in sound water management practices.

e. Does this project promote state or local priorities, including but not limited to the restoration and protection of native fish species of cultural significance to Indian tribes? If so, explain.

The project promotes the ODFW current priority of maintaining the cold-water brown trout fishery downstream of the Owyhee Dam by keeping water behind the dam for later season releases. OID coordinates closely with ODFW to maintain per the OID/ODFW 1983 agreement between the two entities.

f. Does this project promote collaborative basin planning efforts, including but not limited to efforts under Oregon's Integrated Water Resources Strategy? If so, explain.

The project aligns with the conservation goals of Oregon's Integrated Water Resources Strategy (IWRS) by effectively conserving agricultural water, as outlined on page 122. Also, the project is not dissimilar to the projects referenced on page 123 highlighted as a partner story.

## VII. Project Budget

**Instructions:** Please answer the following questions about the proposed project budget using the table provided. All Grant and Match Funds must be allowable costs as described in the OWRD's Grant Budget Procedures and Allowable Costs document.

23. Please provide an estimated line-item budget for the proposed project. Please note that indirect costs **are not** an allowable grant expense. See the Budget Procedures and Allowable Costs on the OWRD Applications, Forms, and Guidance webpage for further guidance.

| **OVERALL PROJECT BUDGET Line Items** | **Number of Units*** *(e.g. # of Hours)* | **Unit Cost** *(e.g. hourly rate)* | **In-Kind Match** | **Cash Match Funds** | **OWRD Grant Funds** | **Total Cost** |
|---|---|---|---|---|---|---|
| Materials | 8,300 | 566.2 | | 2,699,500 | 1,700,000 | 4,399,500 |
| Contractual/Consulting | 2 | 100,250 | | 200,500 | 0 | 200,500 |
| Staff Salary/Benefits | 2,439 | 41/hr | 100,000 | | 300,000 | 400,000 |
| Equipment (must be approved) | | | | | | |
| Supplies | 1 | 100,000 | | 100,000 | | 100,000 |
| Other: | | | | | | |
| | | | | | | |
| | | **Totals** | **100,000** | **3,000,000** | **2,000,000** | **5,100,000** |

## VIII. Match Funding

24. **Instructions:** Fill out the table below and attach the appropriate documentation for both secured and pending match (add rows as needed). Label the documentation as Attachment #3.

    Applicants must have one of the following sources of federal match:

    - Natural Resources Conservation Service funds associated with an authorized watershed plan
    - U.S. Bureau of Reclamation WaterSMART grant
    - U.S. Environmental Protection Agency's grants that are eligible to be on the Department of Environmental Quality's Intended Use Plan

    For secured funding, you must *attach a letter of support* or other documentation from the match funding source (including match from your own organization) that:

    - Specifies the dollar amount identified for this project,
    - Equals the dollar amount shown in the "Amount/Dollar Value" column in the table below,
    - Describes the work to be accomplished through the match.

Below is the text of the email from EPA form letter that was sent to notify OID as one of the recipients that the project was approved for funding.

For pending resources, you must attach *other written documentation showing a request* for match funding. Documentation must:

- Include the amount of match funding requested or anticipated,
- Include the project name,
- Note the date on which a future funding application will be submitted,
- Identify the funding program from which funds are pending, and
- Provide evidence that the project is eligible for the funding program identified.

The total match funds listed below must match the amounts in Section I and Question 23.

| **Match Funding Source** (if in-kind, briefly describe the nature of the contribution) | **Type ( only one)** | **Status ( only one)** | **Amount/ Dollar Value** | **Date Match Funds Available** *(Month/Year)* |
|---|---|---|---|---|
| OID | ☐cash X in-kind | ☐secured ☐pending | 100,000 | 01/01/2024 |
| USA EPA STAGG | X cash ☐in-kind | ☐secured ☐pending | 3,000,000 | Upon final approval of EPA |
| | ☐cash ☐in-kind | ☐secured ☐pending | | |
| **Total of Match Funds** | | | = $3,100,000 | |

# IRRIGATION MODERNIZATION FUNDING
## APPLICATION CHECKLIST

**Please use this checklist to ensure that your application is complete, and you have included required attachments with your application.** We will not accept an application deemed ineligible or incomplete in any section.

***Application:***

☐ Section II is signed by Applicant/Authorized Person and Co-Applicant/Authorized Person (if applicable).

X All questions have been addressed.

***Required Attachments:***

X Attachment 1 – Site map (Question 8)

X Attachment 2 – Documentation of match funding (Question 24) includes the following:

a) Match documentation for **all** match funding sources listed in the match fund table.

b) Match funding documentation that clearly identifies the dollar amount and describes the work to be accomplished with the match.

***Optional Attachments:***

XProperty access authorization (Question 10): Attachment # 3

X Letters of support (Question 13): Attachment # 4

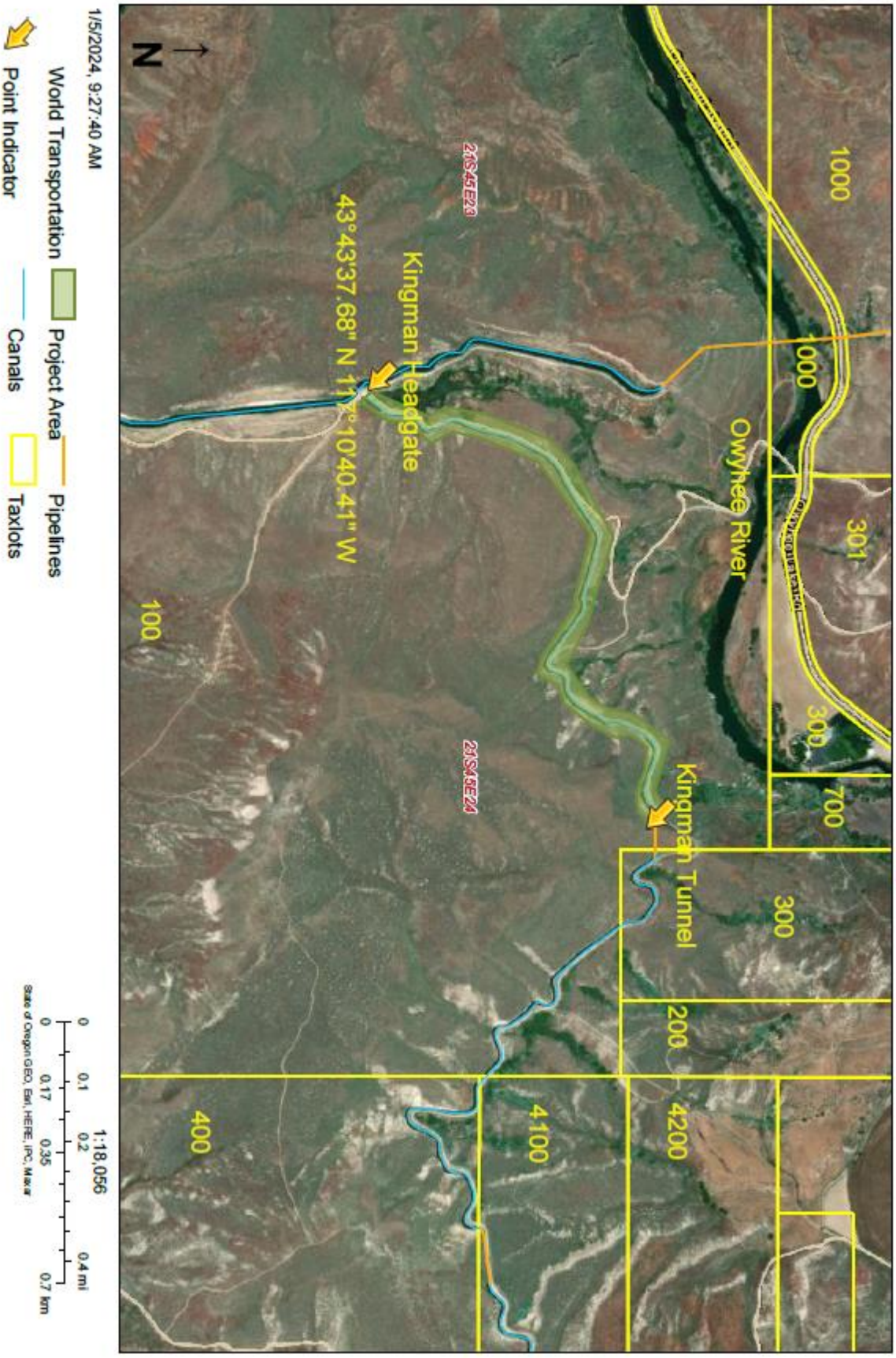
☐ Plans, designs, and/or engineering specifications: Attachment #

☐ Secured permits and regulatory approvals needed to implement the project (Question 19): Attachment #

☐ Other: Attachment #

Sources referenced:

- Oregon's 2017 Integrated Water Resources Strategy (OIWRS 2017)
- 1983 OID/ODFW Agreement (OID/ODFW 1983)
- Final Report for Down and Dirty 2022 by Gary Faw (Faw 2022)
- 2015 Drought Effects by Scott Jensen (Jensen 2015)
- Malheur County Comprehensive Plan (MCCP)
- Owyhee Agricultural Water Quality Management Area Plan (OAWQMAP 2021)
- Owyhee Irrigation District Water Management and Conservation Plan 2018 (OID WMCP 2018)
- Owyhee Irrigation District System Improvement Plan (OID SIP 2021)
    - The above materials can be accessed here: https://owyheeirrigation.specialdistrict.org/oregon-local-planning-documents


Kingman Lateral 1st Mile Piping
1000
1000
301
300
700
300
200
4200
4100
400
100
Owyhee River
Kingman Tunnel
Kingman Headgate
43°43'37.68" N 117°10'40.41" W
24S45E23
24S45E24
N
1/5/2024, 9:27:40 AM
World Transportation
Project Area
Pipelines
Point Indicator
Canals
Taxlots
0 0.1 0.2 0.4 mi
0 0.17 0.35 0.7 km
1:18,056
State of Oregon GEO, Esri, HERE, iPC, Maxar

Attachment #2
R10CommunityGrants <R10CommunityGrants@epa.gov>

Tue 3/7/2023 1:39 PM
Dear FY23 Community Grants Recipients,

Congress identified your project and an associated funding level in the Consolidated Appropriations Act of 2023 (P.L. 117-328) (FY 2023 Appropriations Act).

EPA is working diligently to develop final guidance for projects identified in the FY 2023 Appropriations Act. Our goal is to issue the final implementation guidance applicable to these projects during Spring 2023. In the meantime, potential grant recipients may begin several preparatory steps:

1. Review and/or attend EPA Grants Management Training for Applicants and Recipients. EPA's EPA's online grants training courses and webinars are free and are designed to introduce potential EPA grant recipients to key aspects of the entire grant lifecycle, from preparation of an application through grant closeout. Consider registering for the following EPA Grants Webinar Series session:

· What to Expect When You're Expecting... a Grant: March 29, 2023: 1:00 - 2:00 pm ET

2. Obtain a Unique Entity Identifier (UEI). Recipients must have an active SAM.gov registration and a Unique Entity Identifier before registering with Grants.gov. Registering at SAM.gov is free and new registrations can take an average of 7 – 10 business days to process.

3. Register at Grants.Gov. Potential grant recipients can register on the federal grant portal (Grants.gov) as the grants process will be conducted online. Questions on using the grants.gov system is available through Grants.gov directly. This site also includes grants.gov-specific training and 24-7 grants.gov support.

4. Identify Cost Share Funding. Recipients should begin to think about how they will provide the 20 percent non-federal cost share requirement based on the total project cost. Eligible sources of funding to meet the cost share requirement are identified in the preliminary Implementation Memorandum. EPA supports waiving the non-federal cost share for projects located in, or that primarily serve, disadvantaged communities.

Note: Criteria for requesting a waiver from the cost share requirement for projects identified in the FY 2023 Appropriations Act will be provided in the FY 2023 Implementation Guidance and may differ from cost share waiver request criteria for projects identified in the FY 2022 Appropriations Act.

5. Environmental Information. Each community grant project will need to comply with the National Environmental Policy Act (NEPA), which requires EPA to review and assess environmental information relating to the project prior to awarding any grants. Recipients may begin to identify project information that will support the environmental review process including:

Preparing a project summary, including a description of the needs the project addresses, the scope, and project implementation plans.

Describing any potential environmental impacts of the proposed project (such as addressing water quality and quantity problems, public health concerns, inadequate systems, more stringent effluent limits, etc.).
Describing the project details (such as planning area description; planning period; description of construction phases; owner and operator of the facilities; location of facilities, including a map).
Describing project costs, including funding from EPA and all other sources.

Please keep an eye out for additional correspondence on final implementation guidance for FY2023 Community Grants Projects. You can also visit the EPA Community Grants program webpage for program updates and for access to training information and resource materials as they become available.

Once the final implementation guidance has been released, we will be reaching out to schedule a kickoff webinar for our regional recipients and offer individual community meetings to discuss your projects and provide technical assistance to help move them along. We look forward to working with your communities to ensure these much-needed infrastructure projects are successful and appreciate your patience.

Sincerely,

The Region 10 Community Grants Team

R10CommunityGrants@epa.gov

Below are the Oregon projects on the list. To see the full list of EPA STAG projects visits the following website:
https://www.epa.gov/sustainable-water-infrastructure/epa-community-grants#projects then click the Lists of Projects.

| **Community Grants FY23 Project Listing** | | | |
|---|---|---|---|
| **State** | **EPA Region** | **Project Recipient and Name** | **Amount** |
| OR | 10 | City of Falls City for Water System Project | 1,600,000 |
| OR | 10 | City of Burns for Water System Improvements | 3,500,000 |
| OR | 10 | City of Prairie City for Water Distribution System Improvements | 602,000 |
| OR | 10 | City of Redmond for Water System Construction | 2,000,000 |
| OR | 10 | City of Grants Pass for Water Treatment Plant Relocation Project | 2,000,000 |
| OR | 10 | City of Paisley for Water System Improvements | 2,820,000 |

| | | | |
|---|---|---|---|
| OR | 10 | Confederated Tribes of Warm Springs for the Warm Springs Public Water System Drinking Water Infrastructure including through an interagency agreement with the Indian Health Service | 5,000,000 |
| OR | 10 | Tualatin Valley Water District for the Willamette Water Supply System Construction Project | 3,000,000 |
| OR | 10 | Talent Irrigation District for Billings Siphon and Eastside Canal Project | 5,000,000 |
| OR | 10 | Owyhee Irrigation District for Kingman Lateral Pipeline | 3,000,000 |
| OR | 10 | Ochoco Irrigation District for McKay Creek Infrastructure Improvement | 2,500,000 |
| OR | 10 | City of Carlton for Sewer Collection Pipe Replacement | 2,200,000 |
| OR | 10 | Clackamas County for a Watershed Protection Project and Wastewater Facility Decommission | 2,000,000 |
| OR | 10 | City of Aumsville for a Waste Water Treatment Plant Project | 1,252,950 |

OREGON
WATER RESOURCES DEPARTMENT

# Water Project Grants and Loans

## Landowner Agreement

*Instructions to Applicants: Work with landowners to complete this form for all properties on which the proposed project would occur. Submit this completed form as part of your grant/loan application. For questions contact WRD_DL_waterprojects@water.oregon.gov.*

**Project and Applicant Information**

Project Name: Kingman Lateral 1st mile piping

Funding Applicant: Owyhee Irrigation Dist. Co-Applicant (if applicable): _____

Funding Applicant Contact Information:
Name: Blaney Flynn
Phone Number: (541) 372-3540
Email Address: bflynn@owyheeirrigation.org

Co-Applicant Contact Information:
Name: _____
Phone Number: _____
Email Address: _____

**Landowner Information**

Landowner(s) Name: USA

Landowner Authorized Representative: Bryan Horsburgh, Snake River Area Office Deputy Area Manager

Landowner Contact Information (or Authorized Representative)
Address: 230 Collins Road
(required) Boise, ID 83702
(optional) Phone Number: 208-383-2251
(optional) Email Address: bhorsburgh@usbr.gov

**Property Information**

List each property owned by the above-mentioned Landowner on which the project would occur:

| County | Tax map | Lot number |
|---|---|---|
| Malheur | 21S45E | 100 |
| | | |
| | | |

**Landowner Acknowledgement**

1. Insert Landowner's Name Bureau of Reclamation is/are the legal owner(s) (the Landowner) of the above described property (the Property).
2. I am authorized to act on behalf of the Landowner.
3. I am aware of and agree to the above-mentioned proposed project and grant permission for the Applicant, and the Applicant's agents, to conduct the following activities on the Property. (List activities below)

| |
|---|
| a. Kingman Lateral 1st Mile Piping Project |
| b. |
| c. |
| d. |

4. I am aware that monitoring information related to the Project is a matter of public record.
5. I certify that the above-mentioned information is true and accurate, I am aware of and agree to the proposed work, and I am authorized to sign as the Landowner or Authorized Representative.

Signature of Landowner or Authorized Representative: BL M
Date: 4/26/2023 Print Name: Bryan Horsburgh

1/21/2022

USDA
United States Department of Agriculture

**Natural Resources Conservation Service**

2925 SW 6th Ave.
Suite 2
Ontario, OR 97914
Voice 541-823-5132

March 28, 2022

Clancy Flynn
Owyhee Irrigation District
422 Thunderegg Blvd
Nyssa, OR 97913

FE: Owyhee Irrigation District Kingman Lateral Pipeline

Dear Clancy,

I am writing to concur with the goals of the application to fund the conversion of the 5,800 feet of Kingman Lateral from open canal to pipeline.

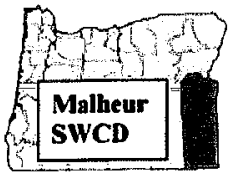
NRCS understands the difficulties with the existing open lateral that continues to lose water due to excessive seepage and evaporation and the resulting issues with the destabilizing hillside that the Kingman Lateral transects. Upgrading the Kingman Lateral to a pipe would eliminate water losses due to seepage and evaporation and dramatically reduce the risk of a canal failure. Water quality in the Owyhee River would be enhanced by decreasing erosion. Finally, costly operations and maintenance charges incurred by the District to repair the failing canal liner could be avoided by piping, benefitting the bottom line of patrons who rely on dependable water deliveries from the Kingman Lateral.

This grant application proposes to continue the ongoing efforts to improve water quality and quantity in Malheur County. This is of particular interest to NRCS as it supports the local priorities and overall set forth in the Malheur County long range plan. Implementation of this project will leverage the ongoing NRCS conservation efforts in the area.

Thank you for your consideration,

Lynn Larsen
District Conservationist
USDA-NRCS
2925 SW 6th Ave. Ste 2
Ontario, OR 97914

An Equal Opportunity Provider and Employer




2925 SW 6th Ave. STE#2
Ontario, OR. 97914

3/28/2022

Clancy Flynn
Owyhee Irrigation District
422 Thunderegg Blvd
Nyssa, OR 97913

RE: Owyhee Irrigation District Kingman Lateral Pipeline

Dear Clancy,

The Malheur Soil And Water Conservation District (MSWCD) strongly supports the Owyhee Irrigation District (OID) request for funding assistance for the construction of a 5,800-foot-long pipeline along a problem section of the Kingman Lateral. Despite numerous attempts at repair, the existing lined canal system loses up to 8 percent of its water to evaporation and seepage. The water loss exacerbates the impacts of ongoing drought and affects agricultural production in Malheur County. Erosion introduces sediment to the Owyhee River that adversely affects water quality. The seeping water also destabilizes the steep hillside that the Kingman Lateral transects, risking canal failure that would shut water deliveries off to over 6,000 acres of high-quality farmland near Adrian, Oregon.

Upgrading the Kingman Lateral to a pipe would eliminate water losses due to seepage and evaporation and dramatically reduce the risk of a canal failure. Drought impacts would be mitigated by providing more reliable water delivery to farms, saving at least 475 acre-feet of water annually. By legally protecting in-stream any amount of water that is conserved by piping, the project would enhance streamflow in the lower Owyhee River for the benefit of the popular fisheries of rainbow and brown trout and other aquatic species. Water quality in the Owyhee River would be enhanced by decreasing erosion. Finally, costly operations and maintenance charges incurred by the District to repair the failing canal liner could be avoided by piping, benefitting the bottom line of patrons who rely on dependable water deliveries from the Kingman Lateral.

The past several years of drought have demonstrated the importance of addressing both agricultural and environmental water needs in the Snake River Basin to ensure a vibrant community and resilient ecosystem. The Kingman Lateral Pipeline provides a much-needed example of a win-win solution that improves agricultural and environmental resiliency in the region.

Sincerely,
Bret D. Clean
District Manager

Owyhee Watershed Council
106 Owyhee Street
P.O. Box 275 ◦ Adrian, OR 97901
Telephone: (541) 372-5782 ◦ Fax: (541) 372-5785
Nicole Sullivan-Coordinator
Email: nicole.agratek@gmail.com

March 30, 2022

Clancy Flynn
Owyhee Irrigation District
422 Thunderegg Blvd
Nyssa, OR 97913

RE: Owyhee Irrigation District Kingman Lateral Pipeline

Dear Clancy,

Owyhee Watershed Council extends our support to Owyhee Irrigation District (OID) for the Kingman Lateral Pipeline Project.

The 5,800 foot long section of the Kingman Lateral proposed for piping has severely degraded over the past several years and is a highly important section of the lateral system delivering irrigation water to approximately 6,000 acres of high quality/high yielding cropland near Adrian. We are aware that OID has made several attempts to stabilize this section of the Kingman lateral, and each year the repairs become increasingly extensive. If this section of the Kingman lateral were to fail, there would be numerous implications to watershed health and local community economics.

Water quality and quantity are both top resource concerns and priorities for restoration in the Lower Owyhee Basin. Piping this section of the Kingman Lateral would support ongoing restoration actions addressing both resource concerns. Piping will eliminate the risk of irrigation lateral failure, which would transport sediment to the Lower Owyhee River and degrade water quality and aquatic habitat for our rainbow and brown trout fisheries. The Owyhee Basin experiences drought at least 5 of every 7 years. As we continue to experience above average dry periods, water quantity and conservation management strategies will ensure both economic and watershed health viability. Piping this section of the Kingman lateral will support water conservation management strategies by eliminating water loss through evaporation and seepage.

This project will improve watershed health/function and ensure economic viability for our small agricultural community here in Adrian and we look forward to seeing this project move forward to implementation.

Thank you,

Nicole Sullivan

Nicole Sullivan
Coordinator