



**OREGON WATER RESOURCES DEPARTMENT
WATER SUPPLY DEVELOPMENT ACCOUNT
LOAN AND GRANT APPLICATION**

I. Project Information

Project Name: Madras, OR Agricultural Water Efficiency and Reuse Project

Type of Project: Water Efficiency and Reuse Check box if project type includes storage

Funding Request Type: Loan Grant

Funding Amount Requested: \$ \$55,437 Total cost of project: \$ \$75,887

Note: Grant funding requests must demonstrate cost match of at least 25% of total project cost. This may include in-kind.

II. Applicant Information

Principal Contact: Mark Goodwin		Fiscal Officer: Debbe Chadwick	
Address: <u>625 SE Salmon Avenue #6</u>		Address: <u>625 SE Salmon Avenue #6</u>	
<u>Redmond, OR 97756</u>		<u>Redmond, OR 97756</u>	
Phone: <u>541-923-4358 X128</u>	Fax: <u>855-651-8899</u>	Phone: <u>541-923-4358 X101</u>	Fax: <u>855-651-8899</u>
Email: <u>Mark.Goodwin@or.nacdn.net</u>		Email: <u>Mark.Goodwin@or.nacdn.net</u>	

Involved Landowner 1: Scott Samsel		Involved Landowner 2: Greg Williams	
Address: <u>2978 NW JUNIPER LN</u>		Address: <u>1921 NE CHERRY LN</u>	
<u>MADRAS, OR 97741</u>		<u>MADRAS, OR</u>	
		<u>97741</u>	
Phone: <u>541-325-1526</u>	Fax: <u>N/A</u>	Phone: <u>541-325-1350</u>	Fax: <u>N/A</u>
Email: <u>samsel47@yahoo.com</u>		Email: <u>N/A</u>	

**Please include a supplementary document that lists all additional involved landowners if applicable.*

Certification:

I certify that this application is a true and accurate representation of the proposed project work and that I am authorized to sign as the Applicant or Co-Applicant. By the following signature, the Applicant certifies that they are aware of the requirements of an Oregon Water Resources Department funding award and are prepared to implement the project if awarded.

Applicant Signature: Debbe Chadwick Date: 01/08/2016

Print Name: Debbe Chadwick Title/Organization: District Manager Jefferson County SWCD

III. Project Summary

Please provide a description of the need, purpose and nature of the project. Include what the applicant intends to complete and how the applicant intends to proceed.

Purpose and Need of the Project:

The purpose of the project is to promote agricultural water reuse, efficiency, and improved water quality. The project will be located in Jefferson County within the Middle Deschutes Watershed ~ in the area typically referred to as Agency Plains in Madras, Oregon. The project area consists of irrigated lands served by the North Unit Irrigation District (NUID). Water is diverted from the Deschutes River in Bend, OR via the NUID Main Canal and pumped from the Crooked River at Smith Rocks to serve over 59,000 acres of irrigated lands within the district boundary.

There are several drainages that flow into the Deschutes River within the project area including the Campbell Creek Drainage, Willow Creek Drainage, and Mud Springs Creek drainage. Over the last several years sediment transported via excess tail water has been flowing over the canyon rim into the Deschutes River, and has been an ongoing problem in the project location. This happens when a rain event or over-ordering of water leads to the end of the lateral receiving excess water, which fills up any ponds on site and then spills over the canyon rim.

Several concerns have been expressed with the Oregon Department of Agriculture (ODA) including a concern from the Warm Springs Reservation which is across the Deschutes River from the project area. The Warm Springs Reservation has culturally important tribal waters for recreation and drinking water on the Deschutes and potentially is at risk from this sediment transport, as well as the general public/fishermen seeing the "visible effects" of the sediment flowing into the Deschutes River.

Trout Creek via Mud Springs Creek and the Deschutes River are spawning grounds for ESA listed summer steelhead and therefore, water quality is of critical importance. Mud Springs Creek is also an ODA Focus Area for Jefferson County SWCD. The ODA Middle Deschutes Ag Water Quality Management Action Plan (see Attachment #1 page 23-24) states that Irrigation improvements and tail water management are priorities throughout the watershed for improved water quality and efficiency.

Water conservation and efficiency is very important in this project area as the Irrigation District has is a junior water rights District. A total of 850 landowners receive water from NUID. Principal crops produced by NUID farmers include irrigated pasture, hay, alfalfa, wheat, carrot seed, and grass seed. North Unit Irrigation District's 2003 Water Conservation Plan documents that on an average year, with an estimated 65% district-wide on-farm efficiency, supply averages 121,492 AF for a demand of 151,000 AF, signaling that additional irrigation water supply of approximately 29,400 AF would be necessary to meet the on-farm crop use for the total acres (Net Irrigation Requirement) (NUID, 2003).

With climate change, increased drought, and ongoing environmental issues such as the Spotted Frog, the need for conserving and reusing water will be critical for the future of agriculture in Jefferson County.

Nature of the Project:

For purposes of this grant, the term "reuse" is described as "a system that reuses irrigation water runoff on the farm." This can be described as: When a landowner/water right holder captures and reuses his tailwater, as long as he does not lose control of the water and let it get into a natural drainage way, and when he re-applies the water and puts it on the same water righted ground that the water ran off from, is in compliance for this reuse. One type of tail water recovery system involves the use of a sedimentation ponds. Irrigation runoff water is directed to a pond, sediment is allowed to settle out, and the water is then returned to the irrigation system for reuse. Sediment is periodically removed from the pond and returned to fields.

The project will involve 4 landowners including Scott Samsel, Jerald Ramsey, Stan Sullivan, and Greg Williams. The project will consist of cleaning out several existing tail-water ponds and implementing a gravity fed pipeline system for water reuse in the Campbell Creek drainage. Technical studies by the Jefferson County SWCD have been conducted and a feasibility study released regarding tail water spill over the rim, which determined that one solution would be cleaning out and expanding existing ponds. The project will also consist of expanding several tail water ponds which not only

reduce sediment transport but help to hold more tail water which can potentially be re-used for irrigation. Finally, a large pump to improve water reuse and efficiency within the Mud Springs and Willow Creek Drainages will be installed.

This project will reduce the amount of tail water runoff and sediment transport in the project area, improve irrigation efficiency by promoting re-use, improve the quality of feed (alfalfa/hay crops) as well as seed crops (carrots/garlic), and provide job retention for several short-term and long-term jobs in the area.

- *Three tail water ponds will be cleaned on Scott Samsel, NUID, and Jerald Ramsey's property. This will reduce sediment-laden tail water runoff into the Deschutes River from the Campbell Creek drainage and allow for more water holding capacity in the ponds and more efficient irrigation of adjacent fields.*
- *A gravity fed pipe line will be installed on Sullivan's property to pull approximately 1267 gallons per minute of water from a pond on the rim of Campbell Creek Drainage to another pond that currently irrigates several hundred acres. Currently water from the pond on the rim is losing water due to overflow into the canyon so this pipeline will allow for more efficient water availability for irrigation.*
- *A large pump will be installed on Greg William's property that will irrigate 300 acres of pivot/wheel-line irrigation. Currently, Williams is irrigating with 4 ponds and 4 pumps, but with a recently upgraded pump back system and a new piped delivery he will be able to irrigate the entire 300 acres off one pond and pump. This will provide significant energy savings and maximize irrigation water efficiency on his property. Two of William's ponds will also be expanded on his property in the Willow Creek Drainage. This will allow for more water holding capacity to catch more tail water runoff for reuse and for improved irrigation efficiency.*

This project aims to be a proactive demonstration project for other landowners in the area given that "it is highly likely that a mandate will be given that no water must spill over the rim." Once the project is funded and proves successful, the Jefferson SWCD plans on expanding the project to landowners throughout the Madras area to improve the overall water efficiency throughout the entire project area.

IV. Project Specifics

Instructions: Answer all questions in this section by typing the answer below the question, using additional space as needed.

- 1. Describe how the project will provide public benefits in each of the three public benefit categories.** Project applications will be scored and ranked based on the economic, environmental and social/cultural public benefits identified below. Describe the conditions prior to and after project implementation to demonstrate changes resulting from the project. Descriptions should be quantitative when possible. Information provided must be sufficient to allow evaluation of the public benefits of the project. **Please see the Public Benefit and Evaluation Guidance document for a description of how public benefits will be evaluated.** Applications that do not demonstrate public benefit in each of the three categories (economic, environmental, social/cultural) will be deemed incomplete. Leave blank any categories that are not applicable to project.

Economic Benefits ORS 541.673(2)

- (a) Job creation or retention:

The project will create 2-3 jobs during the implementation of the project. This will include backhoe operators for pond cleaning/expansion, and other installation/contracting jobs for the pump and pipelines. These jobs will be completed by local contractors, North Unit Irrigation District, and the landowners themselves. Once the project is completed there will be more crop production and yields and therefore will provide long -term job retention for at least 2-3 farm workers. Job creation and retention is critical in the Madras area as the average household income is 12,000 a year below the state average and the unemployment rate exceeds 6%.

- (b) Increases in economic activity:

The project will increase the local community economic activity through the sales of materials (pump/pipe/backhoe rentals) for the project implementation. The materials will be acquired through local Madras, OR businesses and therefore will have a direct economic benefit on the community. The project will also increase water holding capacity in the participating landowner ponds and increase water efficiency and re-use through piping and installing a pump. This will provide more water availability in during the irrigation season and therefore potentially increase crop production and yields by 20%. This increase in crop production will increase crop sales and net revenue which will in turn improve the local economy. The landowners will also be able to renew crop contracts through improved production due to the project. This improved crop production will increase the agricultural economic activity for at least 5-6 years if not indefinitely for the future.

- (c) Increases in efficiency or innovation:

The project will increase efficiency and innovation through providing more efficient water holding capacity in tailwater ponds by cleaning them out and expanding them. This will allow landowners to hold more water to use for irrigation rather than losing it through tailwater runoff. The gravity fed pipeline on Sullivan's property will also provide more efficient water availability from one pond to the other. Irrigation efficiency and energy use efficiency will be improved as well through installing a large pump on William's property that will irrigate 300 acres of sprinkler irrigation rather than pumping from 4 ponds with 4 pumps which he currently does to irrigate.

- (d) Enhancement of infrastructure, farmland, public resource lands, industrial lands, commercial lands or lands having other key uses:

The project will increase land values by improving and upgrading the water reuse infrastructure through cleaning ponds and installing a pipe for reuse. The land values will also increase due to more efficient irrigation

potential and crop production that will result from the improved infrastructure. There will be less irrigation runoff as well, which can lead to erosion and soil loss which negatively can affect land values.

- (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 instream:

The project will enhance recreation and aesthetics on the Deschutes River by reducing the amount of sediment laden tailwater runoff over the canyon and into the river. With multiple concerns expressed in the past and as recently as this summer 2015, of sediment input from the proposed drainages into the Deschutes River this project will help reduce that sediment input and improve water quality for ESA listed summer steelhead and other fish species. This will allow for better recreational fishing and aesthetic of the river. Warm Springs Reservation is located on the other side of the Deschutes River so they will benefit from cleaner water for fish as well, potentially increasing fishing activity along those stretches of the river and in Warm Springs proper.

- (f) Increases in irrigated land for agriculture:

The project will not increase irrigated lands for agriculture due to water rights and state law prohibiting water spreading on Irrigation District lands that are not currently irrigated.

Environmental Benefits ORS 541.673(3)

- (a) A measurable improvement in protected streamflows that accomplishes 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:

A measurable improvement of turbidity in the drainages that flow in the project area will support the ESA listed summer steelhead and other fish species in Trout Creek and the Deschutes River. Warm Springs Reservation is across the Deschutes River from the project location and the tribes that reside there will benefit from improved water quality for the culturally important tribal waters and fish resources.

- (b) A measurable improvement in groundwater levels that enhances environmental conditions in groundwater restricted areas or other areas:

Not applicable to this particular project

- (c) A measurable improvement in the quality of surface water or groundwater:

There will be improved turbidity levels of surface water in the Campbell Creek, Mud Springs Creek, Willow Creek, and Trout Creek drainages. All of these drainages flow into the Deschutes River which will improve turbidity levels of surface water there as well. The turbidity levels will improve due to the pond cleaning/expansion which will reduce the amount of turbid irrigation tailwater flowing over the ponds and the canyon rim and into the drainages/Deschutes River. The Jefferson County SWCD has been monitoring turbidity in all of these drainages over the last several years. We will continue to monitor these drainages throughout this project and expect to see improved results.

- (d) Water conservation:

There will be improved water conservation by the landowners reducing water use/waste by at least 10%. The cleaned and expanded ponds will be able to store more water for use so the landowners can decrease their water orders from North Unit Irrigation District. The cleaned/expanded ponds will also reduce the amount of wasted water that flows over and into the project drainages from the tailwater ponds. Sullivan's pipeline in particular will gravity feed otherwise wasted tailwater from his pond on the canyon rim to another pond where he can successfully re-use it. This will reduce the amount of ordered water from NUID and therefore reduce the amount of water pumped from the Deschutes River during irrigation season. We can also expect that after this demonstration project shows benefit, that other landowners in the project area will work with the Districts towards cleaning out ponds as well, to save water from going over the canyon rim.

(e) Increased ecosystem resiliency to climate change impacts:

Ecosystem resiliency to climate change will be positively impacted by this project through reduced sediment input and tailwater flows into the Deschutes River from the drainages in the project area. Sediment input and tailwater flows in general lead to erosion and high turbidity in surface water. This can negatively affect cold water habitat and the aquatic life that it supports. This project will help improve the habitat in the Deschutes River and therefore help to increase ecosystem resiliency to climate change. With warmer temperatures effecting the Deschutes River flows and water health it is important to keep the Deschutes River water quality in as good condition as possible to help support the health of the river during this time of climate change.

(f) Improvements that address one or more limiting ecological factors in the project watershed:

The project will reduce sediment laden tailwater runoff into the Deschutes River from the Campbell Creek, Willow Creek, and Mud Springs Creek drainages. Water Quality is a major limiting factor for the Middle Deschutes Watershed where these drainages exist (see Middle Deschutes Watershed Action Plan Page 37 Attachment #2). The Deschutes River and Trout Creek at the mouth of Mud Springs Creek supports ESA listed summer Steelhead and the reduced sediment input into these waters will benefit these fish species (see 2008 Mid-Columbia Steelhead Recovery Plan Table 1-7 Attachment #3). This project will help to continue efforts to support on-going water quality improvements in the Middle Deschutes Watershed and continue to support critical habitat for fish species.

Social/Cultural Benefits ORS 541.673(4)

(a) The promotion of public health and safety and of local food systems:

The Warm Springs Reservation depends on the Deschutes River for not only recreational resources but also drinking water (see Attachment #4 Deschutes River Conservancy (DRC) article on the Warm Springs tribe). The reservation has a drinking water treatment plant downriver from the project location that is greatly affected by the sediment laden tailwater that flows over the canyon and into the Deschutes River. This project will reduce the sediment input into the Deschutes River and help to improve water quality for the tribal members on the reservation. The project will also increase irrigation efficiency by allowing farmers to irrigate more efficiency through improved infrastructure. This will allow for increased crop production and food resources for the community.

(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:

Madras, OR is the community within the surrounding project boundary. Madras is primarily an agricultural community and depends on agriculture economically. The city consists of a population of 6,300 people with a relatively high population of Latinos and Native Americans. The average household income is \$12,000 a year below the state average and unemployment rates exceed 6%. This project will benefit the Madras community by

helping to retain and create jobs for the greater Madras community and minority population during the implementation and after the implementation through more crop production due to improved irrigation efficiency ~ which will help greatly with farm worker retention. The Warm Springs Reservation is across the Deschutes River from the project boundary so the tribes will benefit as well through improved water quality for tribal waters which is an important resource for the Warm Springs tribal community. We can also expect that after this demonstration project shows benefit, that other landowners in the project area will work with the Districts towards cleaning out ponds as well, to save water from going over the canyon rim. This will create more work/job potential as more ponds/projects are identified as a result of this project.

(c) The promotion of recreation and scenic values:

The project will improve water quality in the Deschutes River and therefore provide recreational and scenic values including better fishing and aesthetic scenery due to less sediment-laden tailwater entering the Deschutes River from the proposed project drainages. People don't want to fish where there is an impression of dirty sediment laden waters. In the past, the Jefferson SWCD and the Oregon Department of Agriculture has received several complaints from fisherman and concerns from the Warm Springs Reservation of sediment flowing into the Deschutes River. This project will help to resolve these complaints and help to enhance recreational and scenic values in the area for the future. Turbidity sampling in all the project drainages has been monitored over the last year will continue to be monitored throughout the life of the project.

(d) Contribution to the body of scientific data publicly available in this state:

The Jefferson SWCD has monitored turbidity within the proposed project drainages over the last year including Mud Springs, Campbell Creek, and Willow Creek Drainages. A turbidity meter is used to conduct this monitoring and is calibrated on a regular basis for accuracy. The SWCD plans on continuing to monitor for turbidity on these drainages for at least 2 years after the project is completed. Data will available through the SWCD and ODA to the general public. The monitoring for this project will contribute a significant amount of data to the general public and will allow for the Jefferson SWCD, OWRD, and the general public to easily track the environmental success of the project.

(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:

The project will play a significant role in supporting state and local priorities for the Middle Deschutes Watershed. The 2014 ODA Middle Deschutes Ag Quality Plan (Attachment #1) and the 2015 Middle Deschutes Watershed Council Action Plan (see Attachment #5 pages 45-48) state that Water Quality/Quantity is a priority concern for the Watershed. This project will have a direct impact on improving water quality/quantity by reducing sediment laden runoff into the project drainages and improving irrigation efficiency by expanding/cleaning ponds implementing more efficient infrastructure through installing a more efficient irrigation pump and pipeline system.

(f) The promotion of collaborative basin planning efforts, including but not limited to efforts under Oregon's Integrated Water Resources Strategy:

During the project planning the Jefferson SWCD consulted with Oregon Department of Agriculture, Natural Resource Conservation Service, OWRD, North Unit Irrigation District, landowners and board members in the Jefferson SWCD Board meetings which are advertised to the public in the Madras Pioneer (see Attachment #6). In the SWCD board meetings we had input from multiple entities including board members, landowners, NRCS, and North Unit Irrigation District (see Attachment #7 SWCD board minutes for October 2015). The SWCD also spent a day in the field with several landowners to look at potential projects. The planning process was very collaborative and publically advertised.

2. Identify Project Location.

(a) Attach map of project implementation area if appropriate. List map(s) in this space and attach to application.

Maps Attachment #8:

(1) Location Map of All Proposed Projects, (2) Sullivan Pipeline Proposal Map, (3) Ramsey and Samsel Pond Cleaning Proposal, (4) Williams Plan Map1, (5) Conservation Plan Map 2 (Williams Pump)

(b) Township Range Section Quarter-Quarter Section

*see
Attachment
#9*

(c) Tax Lot Number(s)

1014050001200, 1013100001200, 1013100001000, 1013090000200, 1013170000200, 1013080000500, 111400001800

(d) Latitude/Longitude

-121.088932/ 44.575317; -121.081383/44.725421; -121.172864/44.717773;-121.201656/44.705214

(e) County

Jefferson

(f) Watershed

Middle Deschutes

(g) River/Stream Mile (where applicable)

Middle Deschutes Mile 95, Willow Creek Mile 14, Trout Creek at Mud Springs Mouth Mile 0

3. (a) Will the project result in a physical change on private land? Yes No

If yes, attach evidence that landowners are aware of and agree to the proposal. List attachments below.

See Attachent #10: "Cooperative Agreement"

(b) Will the project result in monitoring on private land? Yes No

If yes, attach evidence that landowners agree to the proposal and are aware that monitoring information is public record. List attachments below.

4. Provide a project schedule, including beginning and completion dates. Use the following table as a guide. Attach a separate sheet to application if needed.

Estimated Project Duration: July 1, 2016 to May 2017

Place an "X" in the appropriate column to indicate when each Key Task of the project will take place.

Project Key Tasks	2016				2017				2018 & Beyond
	1 st Qtr	2 nd Qtr	3 rd Qtr	4 th Qtr	1 st Qtr	2 nd Qtr	3 rd Qtr	4 th Qtr	
Engineering Designs			X						
Staff Project Management/Administration			X	X	X	X	X	X	X
Ramsey Pond Cleaning				X	X	X			
Samsel Pond Cleaning				X	X	X			
Williams Pond Cleaning/Expansion/Pump Installation				X	X	X			
Sullivan Pipeline Installation				X	X	X			

5. Describe any conditions that may affect the completion of the project.

There are no known conditions that would affect the completion of the project.

6. Attach a completed feasibility analysis if one has been completed.

Not Applicable

7. Provide suggestions for interim and long-term project performance benchmarks.

Project photographs and a progress report outlining turbidity improvements in the project drained can be submitted during the implementation and post implementation of the project. A final completion report can be submitted when the projects fully complete. Every year a status report can be conducted including pictures, success, and water quality data from the drainages within project areas.

8. Provide letters of support for the proposed project (list in this space and attach to application).

The Letters of support will include NRCS, ODA, and the Middle Deschutes Watershed Council(see attachment #11.)

9. Describe partnerships and collaborative efforts associated with the project.

Partnerships for this project include the Natural Resources Conservation Service (NRCS), participating landowners, and North Unit Irrigation District (NUID). The NRCS will be providing in-kind engineering associated with the project. The participating landowners will be involved in the project implementation and will have in-kind

match as well. The NUID is a partner that fully supports the project and will be involved with the implementation as well.

10. Consultations/communications with affected Indian tribes and with the Legislative Commission on Indian Services regarding the project.

Has the Legislative Commission on Indian Services been contacted to identify tribes affected by the project?

Yes No

Please provide correspondence as an attachment to this application.

See Attachment #12 Email where the LCIS determined that the affected tribes would be the The Confederated Tribes of Warm Springs

Has there been consultation/communications with affected Indian tribes?

Yes No

Please provide a description of consultation/communication that occurred and attach documents to this application if applicable.

See Attachment #13 email to Bobby Brunoe Confederated Tribes of Warm Springs.

11. Provide a description of:

(a) Required local, state and/or federal permits and/or authorizations for project implementation that have been secured to date. Please attach secured permits/authorizations to the application.

Not Applicable

(b) Required local, state and/or federal permits and/or authorizations that will be secured in the future to implement the project. Describe efforts to date in securing these permits and/or authorizations.

Not Applicable

12. Provide any additional supplemental materials to demonstrate ability to implement the project. Examples include project plans and specifications, engineering details and water availability analysis. List documents in this space and attach to application.

Engineering Designs for the project will be conducted by the NRCS Basin Engineer in Spring of 2016. A lidar contour map has already been completed on Williams property (See Attachment #14)

V. Storage Project Requirements (if not a storage project continue to Section VI)

For any storage project please contact Water Resources Grant Administrator, Jon Unger, at (503) 986-0869 prior to completing the application.

13. Storage Project Type: Above Ground Below Ground

14. If above-ground storage, would the proposed storage project be located in-channel?

Yes No N/A

15. Identify the capacity in acre-feet of the proposed storage project.

16. Has a water right application been filed for the proposed storage project?

Application not yet made.

Water right application made; permit not yet issued Application #

Permit issued. Application # Permit #

For Questions 17 & 18 answer the following:

(a) Does the proposed storage project impound surface water on a perennial stream?

Yes No Uncertain

(b) Does the proposed storage project divert water from a stream that supports state- or federally-listed sensitive, threatened or endangered fish species?

Yes No Uncertain

(c) Does the proposed storage project divert more than 500 acre-feet of water annually?

Yes No

17. Water Dedicated Instream N/A

For above ground storage projects seeking grant funding: If you answered “yes” to any of the questions posed in a-c above a minimum volume of water equal to at least 25% of the stored water must be dedicated to instream use.

Identify percentage of stored water to be dedicated to instream use.

 %

Note: Any storage project dedicating 25% of stored water to instream use will automatically receive a median score in the environmental public benefit category with the opportunity to demonstrate additional environmental benefit to increase the score.

18. Seasonally Varying Flow Prescription

For all storage projects: If you answered “yes” to any of the questions posed in a-c above the project will need a **Seasonally Varying Flow (SVF) Prescription**, determining the duration, timing, frequency and volume of flows (including ecological baseflow), necessary for protection and maintenance of biological, ecological, and physical functions outside of the official irrigation season. The initial step in defining

the SVF for the project is to schedule an SVF meeting with OWRD. For assistance and more information please contact Water Resources Grant Administrator Jon Unger at (503) 986-0869.

Identify whether the storage project will need a Seasonally Varying Flow Prescription.

Yes No Uncertain

VI. Environmental Public Benefit for Conservation Projects Dedicating Water Instream (if not a conservation project continue to Section VII)

19. Identify percentage of conserved water to be dedicated to instream use. N/A

%

Note: Any project that conserves water and dedicates at least 25% of the conserved water quantity to instream use will automatically receive a median score in the environmental public benefit category with the opportunity to demonstrate additional environmental benefit to increase the score. Water dedicated to instream use must be permanently placed instream and protected by the Oregon Water Resources Department.

VII. Financial Information

For Loan Applicants – Since loan applications do not require cost match, loan applicants who do not offer a cost match need not complete Section A and can disregard the match funding columns in Sections B and C. Budget and costs of key tasks must be identified in sections B & C. Loan applicants will be required to provide additional financial information related to their ability to repay the loan. This request for information will take place after the scoring and ranking process for those projects that are recommended for funding.

For Grant Applicants – Complete Sections A, B and C.

Section A – Cost Match Information

Applicants must demonstrate a minimum 25% funding match based on the total project cost. The match may include: a) applicant funds or secured funding commitment from other sources; b) pending funding commitment from other sources; and/or c) the value of in-kind labor, equipment rental, and materials essential to the project. For secured funding, the applicant must attach a funding award letter from the match funding source that specifically mentions the dollar amount shown in the “Amount/Dollar Value” column. For pending resources, documentation showing a request for the matching funds must accompany the application. Funds expended prior to grant agreement are not reimbursable nor do they qualify for cost match without prior authorization by the Department.

In the Type column below matching funds may include:	In the Status column below matching funds may have the following status:
<ul style="list-style-type: none"> • Cash - Cash is direct expenditures made in support of the feasibility study by the applicant or partner*. 	<ul style="list-style-type: none"> • Secured - Funding commitments already secured from other sources.
<ul style="list-style-type: none"> • In-Kind - The value of in-kind labor, equipment rental and materials essential to the feasibility study provided by the applicant or partner. 	<ul style="list-style-type: none"> • Pending - Pending commitments of funding from other sources. In such instances, Department funding will not be released prior to securing a commitment of the funds from other sources. Pending commitments of the funding must be secured within 12 months from the date of the award.

* “Partner” means a non-governmental or governmental person or entity that has committed funding, expertise, materials, labor, or other assistance to a proposed project planning study. OAR 690-600-0010.

Match Funding Source (if in-kind, briefly describe the nature of the contribution)	Type (✓ One)	Status (✓ One)	Amount/ Dollar Value	Date Match Funds Available (Month/Year)
<i>Engineering Design Work: NRCS Basin Engineer will do designs in-kind for the Sullivan Pipeline, the Williams Pond Expansion, and the Williams pump installation(if needed).</i>	<input type="checkbox"/> cash <input checked="" type="checkbox"/> in-kind	<input checked="" type="checkbox"/> secured <input type="checkbox"/> pending	\$2,000	July 16
<i>Stan Sullivan- 10 inch pipe cost (see Attachment #15 budget for more specific details)</i>	<input checked="" type="checkbox"/> cash <input type="checkbox"/> in-kind	<input type="checkbox"/> secured <input checked="" type="checkbox"/> pending	\$3,500	October 16
<i>Stan Sullivan-Pipe Installation</i>	<input checked="" type="checkbox"/> cash <input checked="" type="checkbox"/> in-kind	<input type="checkbox"/> secured <input checked="" type="checkbox"/> pending	\$1,600	October 16
<i>Jerald Ramsey-Pond Cleaning costs (see Attachment #16 budget for more details)</i>	<input checked="" type="checkbox"/> cash <input type="checkbox"/> in-kind	<input type="checkbox"/> secured <input checked="" type="checkbox"/> pending	\$1,350	October 16
<i>Scott Samsel/NUID- Pond Cleaning costs (see Attachment #17 budget for details)</i>	<input checked="" type="checkbox"/> cash <input type="checkbox"/> in-kind	<input type="checkbox"/> secured <input checked="" type="checkbox"/> pending	\$900	October 16
<i>Greg Williams- Pond Expansion Costs</i>	<input type="checkbox"/> cash <input checked="" type="checkbox"/> in-kind	<input type="checkbox"/> secured <input checked="" type="checkbox"/> pending	\$2,500	October 16
<i>Greg Williams- for irrigation pump cost and installation(See Attachment #18 budget for more specific details)</i>	<input checked="" type="checkbox"/> cash <input type="checkbox"/> in-kind	<input type="checkbox"/> secured <input checked="" type="checkbox"/> pending	\$7,500	October 16
<i>Debbe Chadwick-Administration Salary</i>	<input type="checkbox"/> cash <input checked="" type="checkbox"/> in-kind	<input checked="" type="checkbox"/> secured <input type="checkbox"/> pending	\$600	July 16
<i>Mark Goodwin-Project Management Salary</i>	<input type="checkbox"/> cash <input checked="" type="checkbox"/> in-kind	<input checked="" type="checkbox"/> secured <input type="checkbox"/> pending	\$500	July 16
	<input type="checkbox"/> cash <input type="checkbox"/> in-kind	<input type="checkbox"/> secured <input type="checkbox"/> pending		

