

**Willamette Intake Facilities Commission**  
**Board Meeting Minutes**  
**Monday, January 28, 2019**

Tualatin Valley Water District – Board Room  
1850 SW 170th Avenue, Beaverton, OR 97003

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**REGULAR SESSION – 6:00 PM**

**CALL TO ORDER**

Chairman Godsey called the meeting to order at 6:00 pm.

**Commissioners present:**

Tualatin Valley Water District (TVWD): Jim Doane  
Beaverton: Marc San Soucie  
Hillsboro: John Godsey (Chair)  
Sherwood: Sean Garland (Vice Chair)  
Tigard: John Goodhouse  
Wilsonville: Tim Knapp  
Kristin Akervall (Alternate)

**Committee Members present:**

TVWD: Mark Knudson, Management Committee  
Paul Matthews, Finance Committee  
Carrie Pak, Operations Committee  
Beaverton: David Donaldson, Management Committee  
David Winship, Operations Committee  
Hillsboro: Kevin Hanway, Management Committee  
Lee Lindsey, Finance Committee  
Niki Iverson, Management Committee (Alternate)  
Sherwood: Craig Sheldon, Management Committee  
Tigard: Brian Rager, Management Committee  
John Goodrich, Operations Committee

**Managing Agency Staff present:**

Dave Kraska, WIF Commission General Manager  
Justin Carlton, Willamette Water Supply Program (WWSP) Finance and Administrative Supervisor  
Faye Branton, WIF Commission Recorder

**Other Attendees:**

Joel Cary, TVWD Water Resources Division Manager  
Joelle Bennett, WWSP Assistant Director  
Jill Chomycia, WWSP Permitting Coordinator  
Mark McConnell, TVWD Facilities Department

## **1. GENERAL MANAGER'S REPORT**

Mr. Kraska presented the General Manager's report, including Safety Moment on what to do after an auto accident, followed by an update regarding coordination with Kinder Morgan and an update regarding the 2019 property and liability insurance renewal for the Willamette Intake Facilities.

## **2. PUBLIC COMMENT**

There were no public comments.

## **3. CONSENT AGENDA**

- A. Approve the October 29, 2018 meeting minutes.

Motion was made by Doane, seconded by Garland, to approve the Consent Agenda as presented.

The motion passed unanimously with Doane, Garland, Godsey, Goodhouse, Knapp, and San Soucie voting in favor.

## **4. BUSINESS AGENDA**

- A. Election of Officers

Motion was made by Knapp, seconded by Doane, to retain the current Chair (John Godsey) and Vice Chair (Sean Garland) for the 2019 calendar year.

The motion passed unanimously with Doane, Garland, Godsey, Goodhouse, Knapp, and San Soucie voting in favor.

## **5. INFORMATION ITEMS**

- A. Semi-annual Update on the WIF-related Elements of the WWSP Raw Water Facilities Project

Mr. Kraska presented a semi-annual update on the WIF-related elements of the Willamette Water Supply Program (WWSP) Raw Water Facilities project (RWF\_1.0). The WIF-related elements are seismic mitigation for the caisson and pump building, new fish screens, and air burst system improvements. The update included construction cost estimate, preliminary bank stabilization design, and status of the overall project schedule. (See attached presentation.)

In answer to Commissioner's question, staff replied that the analysis of the recently acquired geotechnical data has helped reduce the size and scope of some of the seismic improvements, which will reduce costs and environmental impact.

In answer to Commissioner's questions, staff explained the process and parameters used in determining the final design concept for the tieback retaining wall. Staff offered insight into the broad team of experts who are vetting all design theories and information to ensure confidence in the results.

Commissioner Knapp stated that this type of discussion is helpful for this audience and expressed the importance that this Board understands the information outlined, as they are ultimately responsible for signing off on the systems they believe are adequate.

B. FY 2019 – 20 Annual Work Plan and Budget Preparation

Mr. Kraska provided an update regarding development of the Annual Work Plan (AWP), including the development schedule and modifications from the current AWP. (See attached presentation.)

In answer to Commissioner's question, Ms. Iverson provided information regarding staff involvement with the League of Oregon Cities, the Oregon Water Utilities Council, and Special Districts Association in working on legislation and budget regarding cyanotoxin monitoring. Ms. Iverson indicated that several staff members plan to attend the February 22 meeting in Wilsonville with Oregon's congressional representatives regarding the Willamette BiOp.

Commissioner Knapp suggested that one objective of the Annual Work Plan should be to monitor and stay current on legislative changes, both at the federal and state level, and to bring before the Board anything of significance that will affect the project.

In answer to Commissioners' questions, staff clarified that much of this activity is being handled in a different channel. The WRWC has been supporting this effort, as have a number of other entities throughout the Willamette basin. Staff will provide to this Board a summary of this work and how it is being funded. Staff further clarified that there is more work to be done and vetted with the WIF Operations Committee before bringing a proposal to this Board regarding what, if any, monitoring needs to be done.

C. Permitting Update

Ms. Iverson, serving as Permitting and Outreach Manager for the WWSP, presented an update on the federal permit issued by the US Army Corps of Engineers and associated approvals and permits obtained from other entities. These approvals and permits will govern construction of the Willamette Water Supply System and its operation once complete. (See attached presentation.)

Commissioners thanked staff for the fine work and diligent effort put forth in obtaining these permits.

D. The next Board meeting is scheduled on April 29, 2019, at Tualatin Valley Water District – Board Room.

**6. COMMUNICATIONS AND NON-AGENDA ITEMS**

A. None scheduled.

**ADJOURNMENT**

There being no further questions or business, Chairman Godsey adjourned the meeting at 6:53 p.m.

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John Godsey, Chair

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Sean Garland, Vice Chair

# Willamette Intake Facilities Commission

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# Semi-annual Update on the WIF-related Elements of the Raw Water Facilities Project

*Willamette Intake Facilities Meeting*

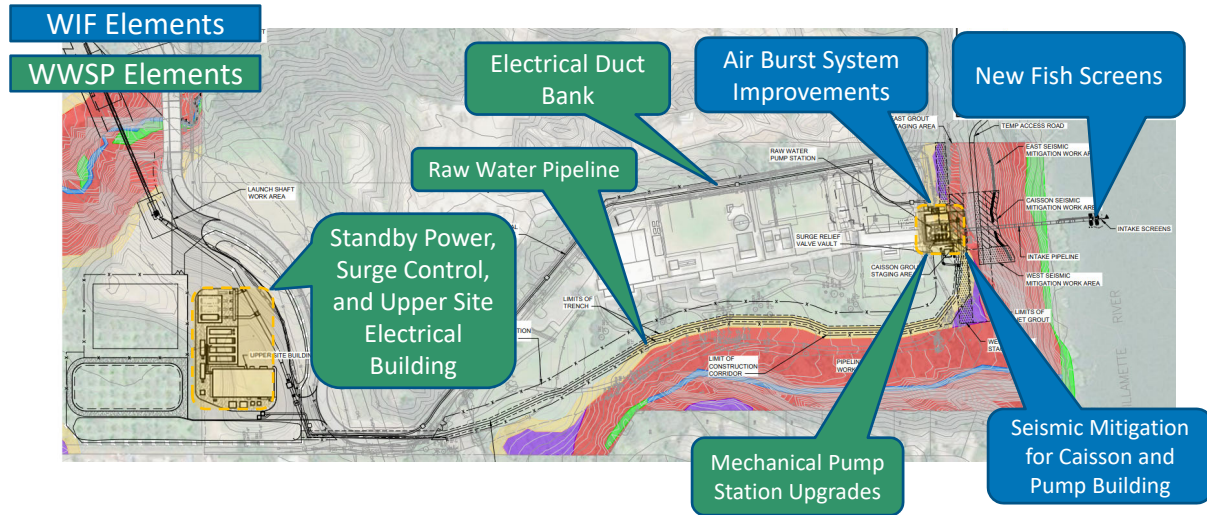
January 28, 2019



## Outline

- Construction Cost
- Bank Stabilization Design
- Overall Project Schedule Status

## WIF-Related Elements of the WWSP's RWF\_1.0 Project



## Construction Cost Estimate Update

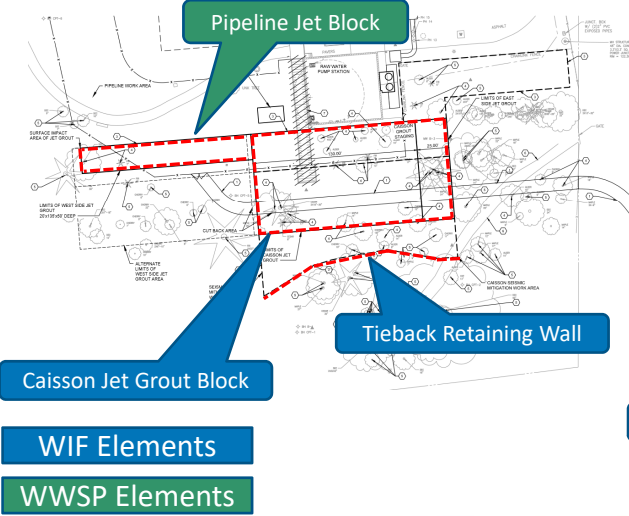
### Estimate Presented to WGG May 2017

Project Component	Estimated Cost (million \$)		
	Total	WIF	WWSS
Intake Screen Replacement	1.40	1.40	
Intake Screen Protection	1.81	1.81	
76" Intake Pipeline Modifications	--	--	
Seismic Stability Improvements			
Existing Caisson Stability	9.36	9.36	
New 66" Pipeline Stability	18.98		18.98
New Electrical Building and Surge Control Facility Stability	8.54		8.54
Existing Pump Station Building Modifications	1.64		1.64
Air Burst System Modifications	1.44	1.44	
WWSS Pumps and Related Equipment	12.49		12.49
WWSS Raw Water Pipeline	12.15		12.15
WWSS Electrical Improvements	40.44		40.44
Civil Improvements	3.42		3.42
Intake Maintenance Modifications	0.10	0.10	
PGE Modifications	--	--	--
Permitting: Intake Replacement	1.3	1.3	
Permitting: WWSS	0.1		0.1
<b>Total</b>	<b>113.17</b>	<b>15.41</b>	<b>97.76</b>

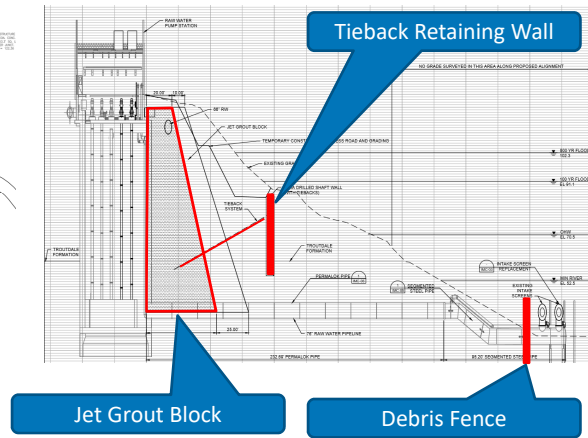
- Kiewit 50 Percent Estimate
  - \$81M, includes \$13M contingency
  - Class 3 estimate: +30% to -20%
- Kiewit estimate is being vetted by the team
  - January 23 meeting with Kiewit to arrive at consensus estimate
  - Impact to WIF-related costs to be determined afterward

# Preliminary Bank Stabilization Design

Plan View

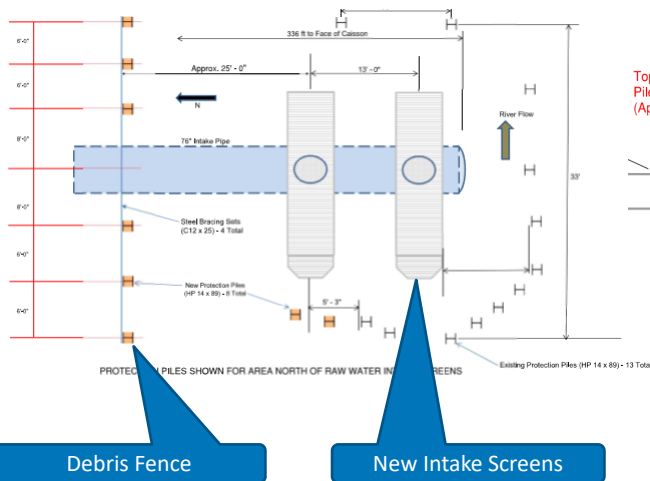


Section View

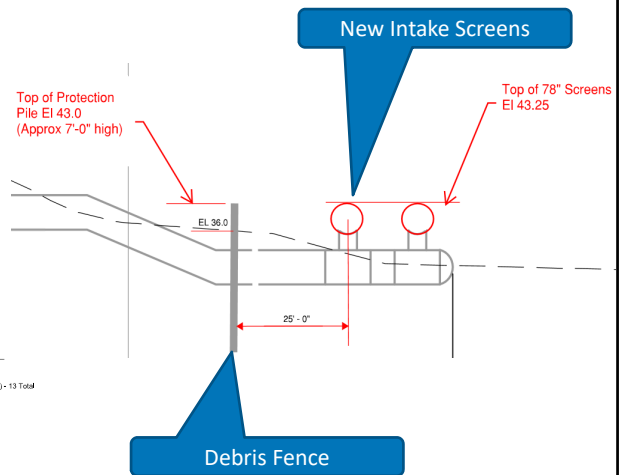


# Debris Fence Concept

Plan View

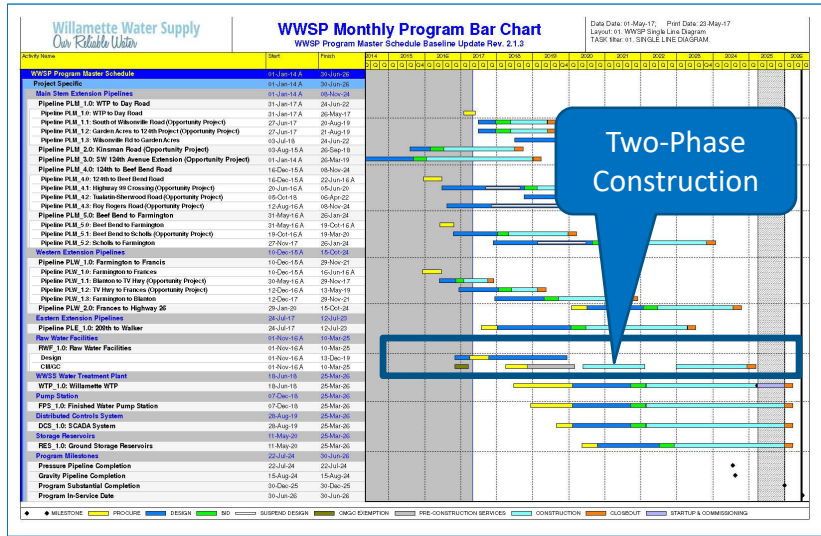


Section View



# RWF\_1.0 Project Schedule

- Design Phase:
  - In progress
  - Land Use application April 2019
  - Ends Q4 2019
- Construction Phase 1
  - Starts Q2 2020
  - Ends Q1 2022
- Construction Phase 2
  - Starts Q3 2022
  - Ends Q4 2024



# QUESTIONS?



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## Willamette Intake Facilities Annual Work Plan and Budget Preparation

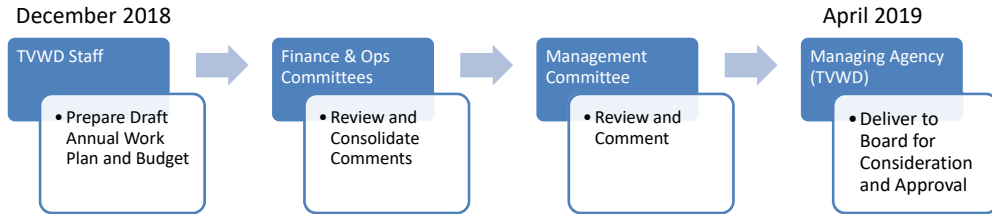
January 28, 2019

### Outline

- Schedule
- Modifications from the current AWP
  - General Administration
  - Finance Administration

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## Annual Work Plan and Budget Preparation



## Annual Work Plan and Budget Preparation

### WIF IGA Exhibit 8 Budget Calendar

Budget Deliverable	Annual Submission Date	Party Receiving Budget
Preliminary capital improvement project list	December 15	Operations Committee
Preliminary budget	January 5	Operations and Finance Committees
Draft budget	February 15	Management Committee
Proposed budget	March 31	Board



## FY 2019 – 20 Annual Work Plan

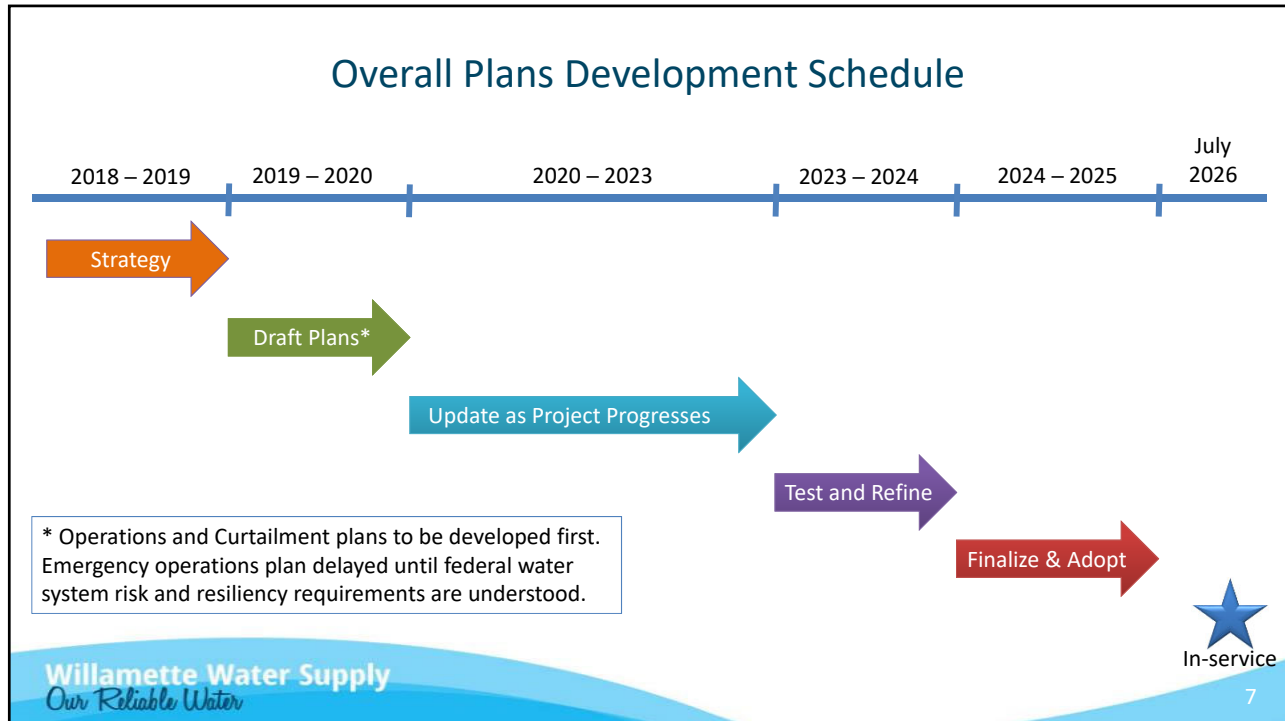
- Task List:

- General Administration
- Capital Projects Management
- Annual Work Plan and Budget Development
- Finance Administration
- Operations Committee Administration
- Management Committee Administration
- Administer WIF Board of Commissioners Meetings

## FY 2019 – 20 WIF General Administration

### Changes from the current year AWP

- Administration of Infrastructure Operations and Maintenance
  - Develop initial outlines and drafts of the three plans
    - Draft Operations Plan
    - Draft Curtailment Plan
    - Outline Emergency Operations Plan
- Willamette River Basin Activities Monitoring
  - Cyanotoxins Monitoring?
    - to be discussed and considered by the WIF committees



## FY 2019 – 20 Finance Administration

### Changes from the current year AWP

- Develop Financial Procedures
  - This task will be continued into the next fiscal year

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## Schedule for Completing the FY 20 AWP and Budget

- January 4, 2019 – first draft emailed to Operations and Finance Committees
- January 30, 2019 – Operations and Finance committees meeting to review and edit the draft
- February 15, 2019 – MA deliver revised FY 20 AWP and budget to Management Committee for consideration
- March 31, 2019 – MA delivers final recommended FY 20 AWP and Budget to WIF Board

**END**

# Willamette Intake Facilities Commission

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Niki Iverson  
City of Hillsboro Water Resources Manager  
WWSP Permitting & Outreach Manager

## WWSP PERMITTING UPDATE

## Status of Federal Permitting Process

- On December 6, 2018, US Army Corps of Engineers issued a permit pursuant to Rivers and Harbors Act, Section 10; Clean Water Act Section 404.
- Associated approvals and permits from other entities include National Marine Fisheries Service, OR Dept of Env. Quality, OR SHPO
- Each approval/permit includes conditions that will govern WWSS construction and operation once complete.



## Permitting Strategy

- Developed a permitting strategy in 2015
- Communicate early and often with the regulatory agencies
- No surprises approach
- Overall Goal and Objective – avoid water withdrawal conditions
- Propose mitigation or similar project benefits to avoid withdrawal conditions

## Lessons Learned From Other Water Supply Projects

- Lake Oswego-Tigard Water Supply Project BiOp
  - Restrictions in addition to OWRD proportional reductions when flows below ODFW fish minimums
  - Withdrawals between August 21 and September 30 based on a proportional reduction calculated using the lowest maximum daily mean flow of 10% percentile flows of the 10 year hydrograph as measured at the Oregon City gage.
- Medford Water Commission Intake Construction BiOp
  - Withdrawals restricted when the daily mean temperature exceeds 70° F (measured as a 3-day moving average using the prior 3 days)
  - Only withdraw a volume of water less than or equal to an amount released above the point of diversion from a winter water storage facility (bucket for bucket)



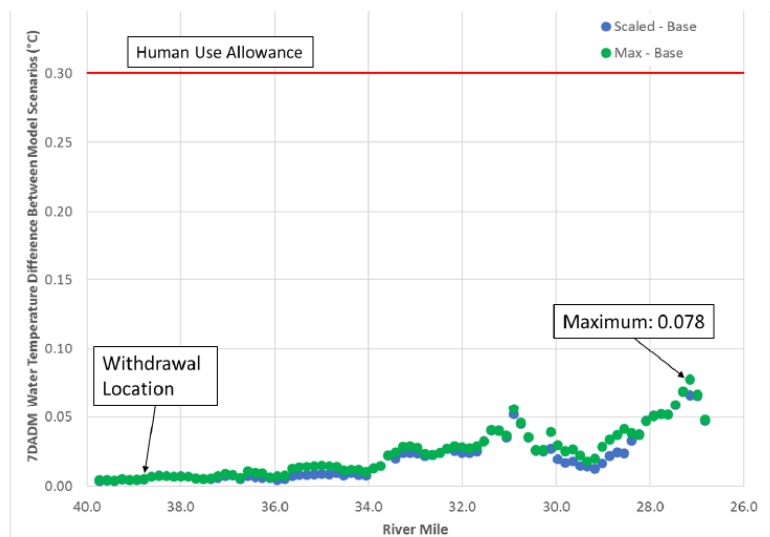
## Federal Permit Condition Highlights



- Most conditions minimize impacts, restore conditions after construction, or provide reports back to the agencies.
- USACE permit conditions require WWSP to purchase wetland mitigation credits.
- OR DEQ Water Quality Certification requires developing and implementing a plan to offset temperature impacts

## Water Temperature Modeling

- In early 2018, DEQ requested modeling effects of water withdrawals on river temperature
- The maximum modeled temp. increase was  $0.078^{\circ}\text{C}$ , and occurred on September 12, 2001, approx. 0.6 miles above Willamette Falls



## Molalla State Park – Shading Project



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## Next Steps

- Submitted Draft Thermal Trading Plan to DEQ for review
- Incorporate DEQ comments and revisions
- Finalize scope of Molalla Shading Project based on approved DEQ plan
- Finalize agreement with Molalla Water Watch (watershed council) and Molalla State Parks to implement project
- Complete tree planting prior to 2026 to ensure shade benefit before maximum withdrawal is reached

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# QUESTIONS?