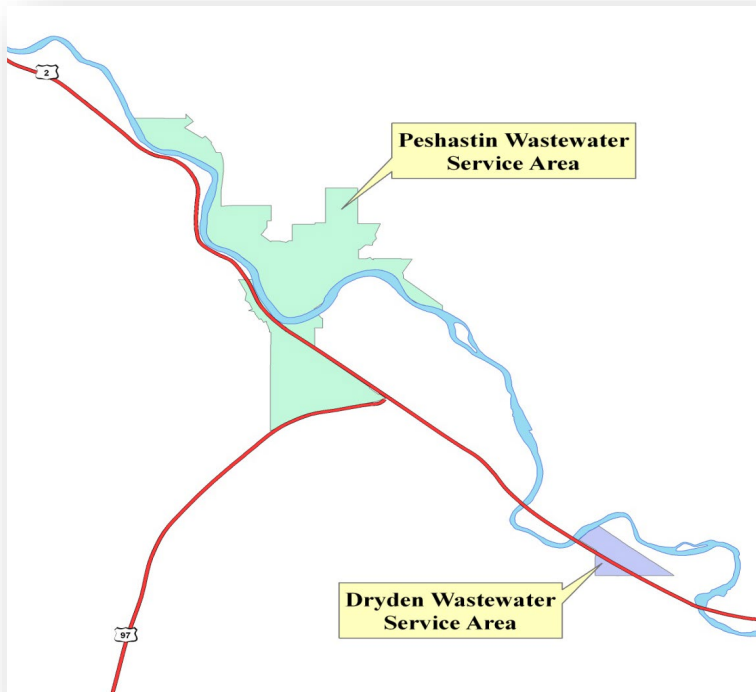


Dryden Wastewater Project Update

January 24, 2022



Presented by Ron Slabaugh, Water & Wastewater Manager

Our purpose today

Informational – feedback requested

- Project need
- Facility planning
- Project cost and funding considerations
- Seek public comment (postcard mailed to Dryden area customers early January)
- Next steps

Drivers for Dryden Wastewater Project

1. Federal Clean Water Act requirements:
 - Department of Ecology developed a plan approved by the EPA in 2009 requiring actions to restore water quality in the Wenatchee River
 - The plan requires extensive reductions in phosphorus discharges to the Wenatchee River

Drivers for Dryden Wastewater Project (cont.)

2. Dryden 2019 Ecology State Waste Discharge Permit:
 - Identifies phosphorus reductions to meet 2009 Ecology plan
 - Established compliance schedule
 - Submit updated facility planning (Oct. 2020) *Completed*
 - Submit draft plans and specifications (Jan. 2022) *Completed*
 - Construction completion (Jan. 2024)

Facility Planning Alternatives Evaluation Criteria

- Ability to meet treatment objectives
- Capacity and expandability
- Use of innovative and/or alternative technology
- Environmental impacts and public acceptability
- Operational considerations including resiliency, failure risks and operational flexibility
- Total project cost

Facility Planning

Selected Alternative

- Sequencing batch reactor treatment with subsurface discharge
 - Uses existing secluded Dryden wastewater facility site
 - Similar to Peshastin plant in service since 1997
 - Innovative use of proven and reliable technology
 - Expandable on existing site
 - Least project cost of viable alternatives evaluated

Facility Planning

Evaluated Alternatives

- Pumping to Peshastin for treatment
 - More costly than selected alternative. Peshastin capacity unavailable
- Trucking sewage to Peshastin
 - Labor intensive. Peshastin capacity unavailable.
- Land application and treatment
 - More costly than selected alternative. Minimum 12 acres land acquisition needed

Facility Planning

Evaluated Alternatives (cont.)

- Zero-discharge evaporative lagoon
 - More costly than selected alternative. Minimum 22 acres land acquisition needed
- Large Onsite Sewage System
 - Pretreatment requirements more costly and complex than selected alternative

Project Cost and Funding

- Total project estimate - \$3,600,000 - \$4,400,000
- Funding agreements under development
 - Commerce grant \$999,100
 - Ecology grant \$2,478,910
 - Grant total: \$3,478,010**
 - Ecology loan \$1,024,090
 - Potential external funding: \$4,502,100**

Where do we go from here?

Action items for 2022-2024

- Finalizing funding agreements (Q1 2022)
- Finalize design documents and bid project (Q4 2022)
- Construct project (2023)
- Finalization and closeout (Q2 2024)

Public Comment

How to reach us for further comments

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