

Discovery Clean Water Alliance

2020 Capital Plan Update

Presentation to:
Development Engineering
Advisory Board
July 9, 2020



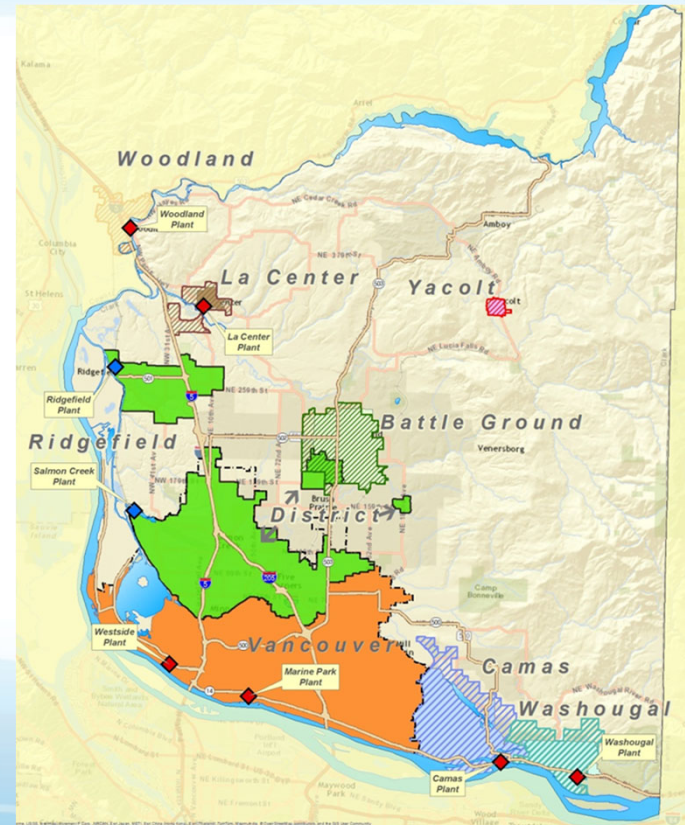
Laying the foundation
for a **vibrant economy**
and **healthy environment**



Introduction – District & Alliance

District Service Area

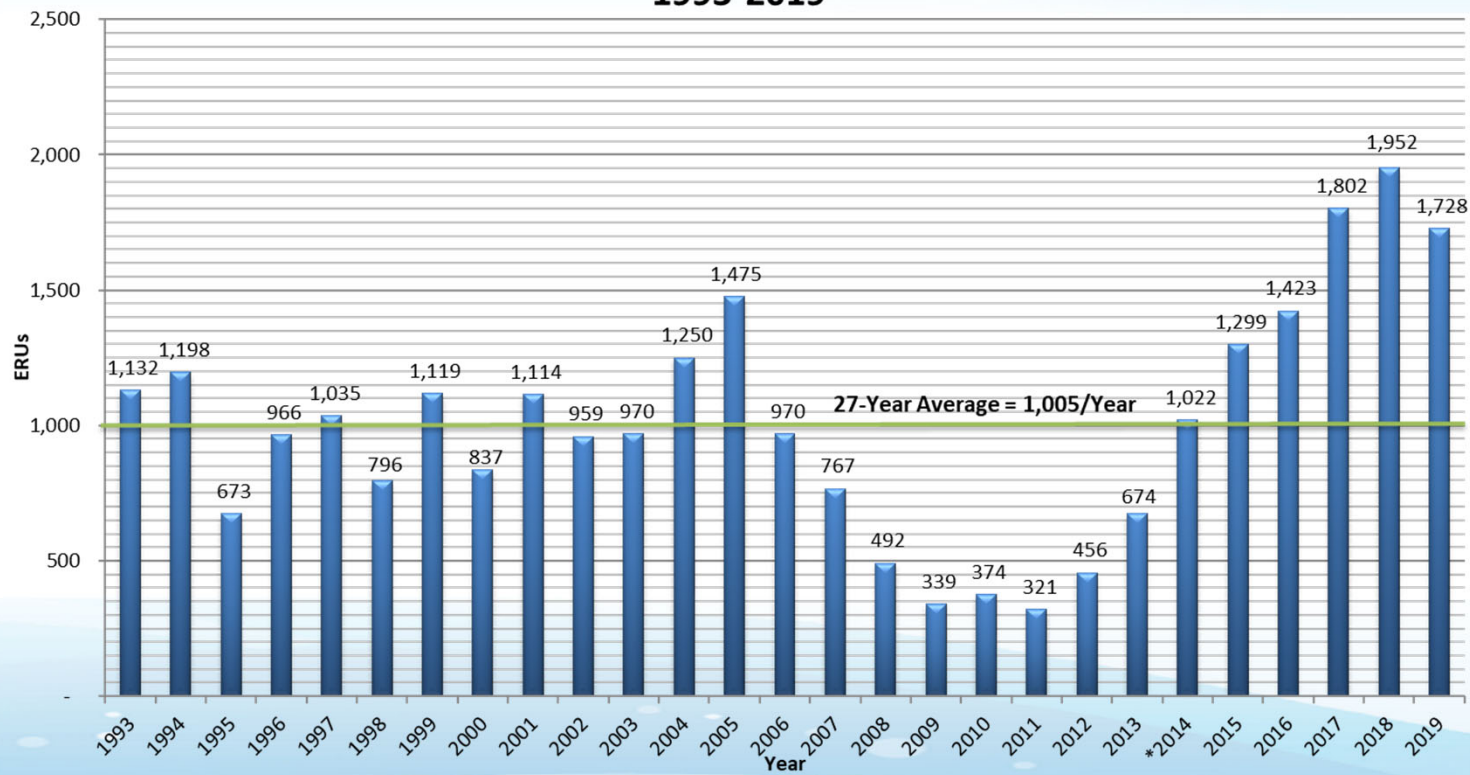
- Service areas include unincorporated areas of Clark County and portions of Ridgefield, Battle Ground & Vancouver
 - 62.25 employees
 - \$49M annual budget
 - 120,000+ people served
 - 710 miles of pipe, 72 pump stations; flows sent to Salmon Creek Treatment Plant, Ridgefield Treatment Plant, & Westside Treatment Plant
 - Serve majority of growth areas in Clark County
 - 25% +/- of County population
 - 50% +/- of County growth areas
- Battle Ground is an important partner



District Growth Patterns



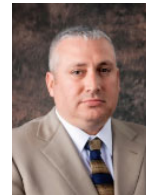
District Total New ERUs By Year
1993-2019



Alliance Overview



- Regional Sewer Basics
 - Four agency partnership
 - Formed under Joint Municipal Utility Services Act - 39.106 RCW (new law - 2011)
 - District is managing partner - "Administrative Lead"
 - Member agencies
 - Clark Regional Wastewater District
 - Clark County
 - City of Battle Ground
 - City of Ridgefield



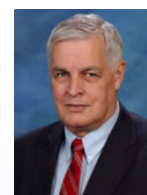
Shane Bowman
Alliance Board Chair
Battle Ground Councilmember



Ron Onslow
Alliance Vice-Chair
Ridgefield Councilmember



Julie Olson
Alliance Secretary
Clark County Councilor



Norm Harker
Alliance Director
District Commissioner

Alliance Overview



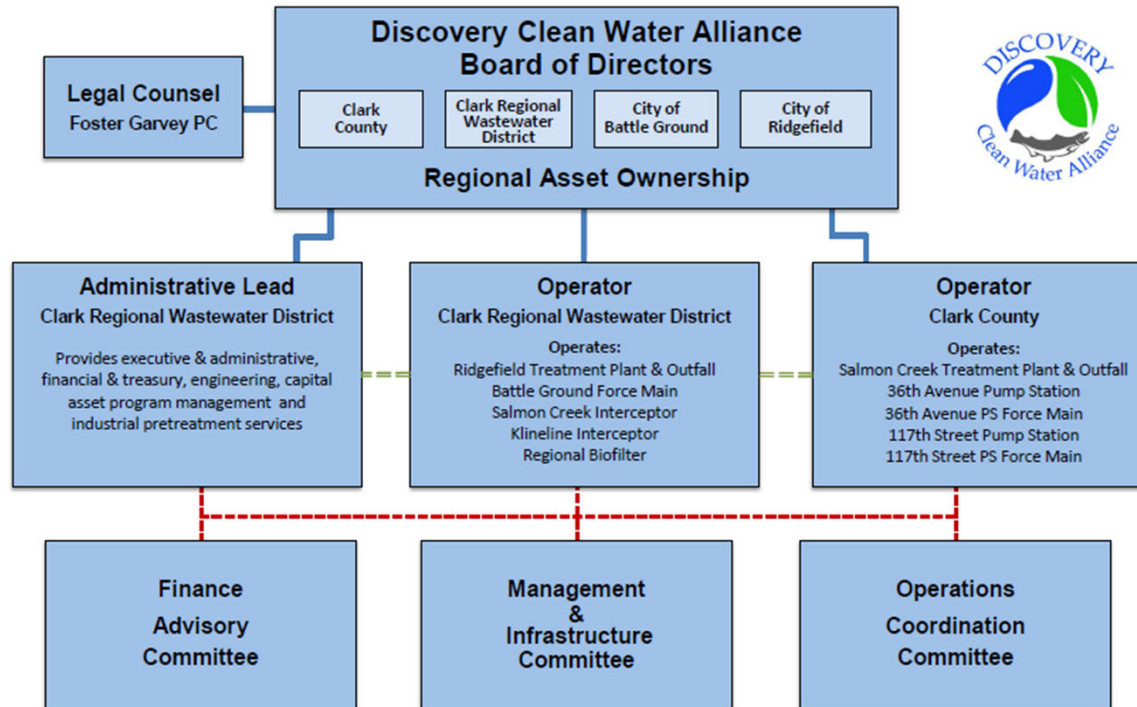
- Regional Sewer Basics
 - Emphasis on treatment
 - Major cost center
 - Specialized expertise
 - Serves multiple UGAs
 - Best managed under regional framework
 - Key assets
 - Ridgefield, Salmon Creek treatment plants
 - Major pipelines/pump stations



Alliance Business Model



Alliance Corporate and Functional Structure



- Contract Responsibility
- - - "Active Coordination" per Interlocal Formation Agreement
- - - Review of Relevant Matters for each Committee



Alliance Capital Plan Update - 2020



Alliance Capital Plan



- Asset Management for Existing Assets
- Capacity Management for New Assets
- Completed Every Two Years
- Supports the 2021-2022 Capital Budget Process



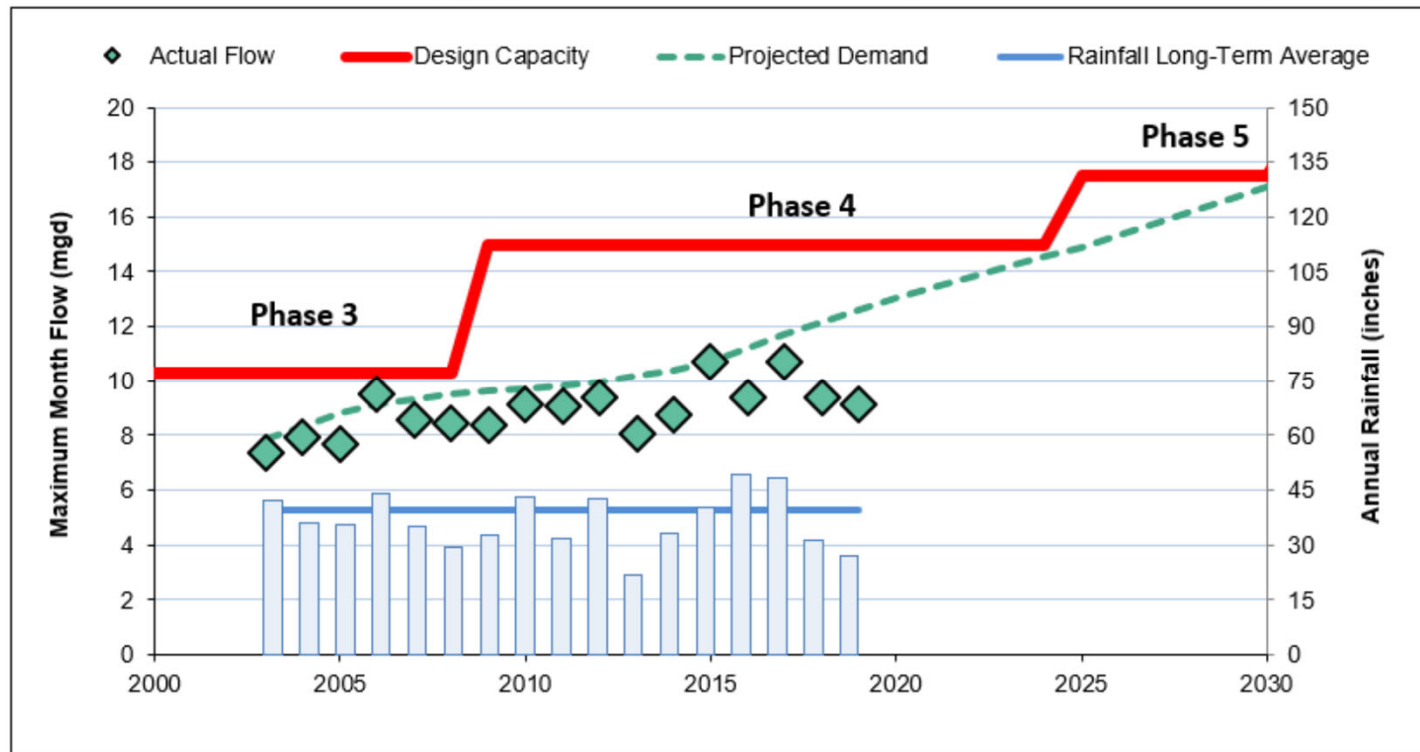
Capacity Management



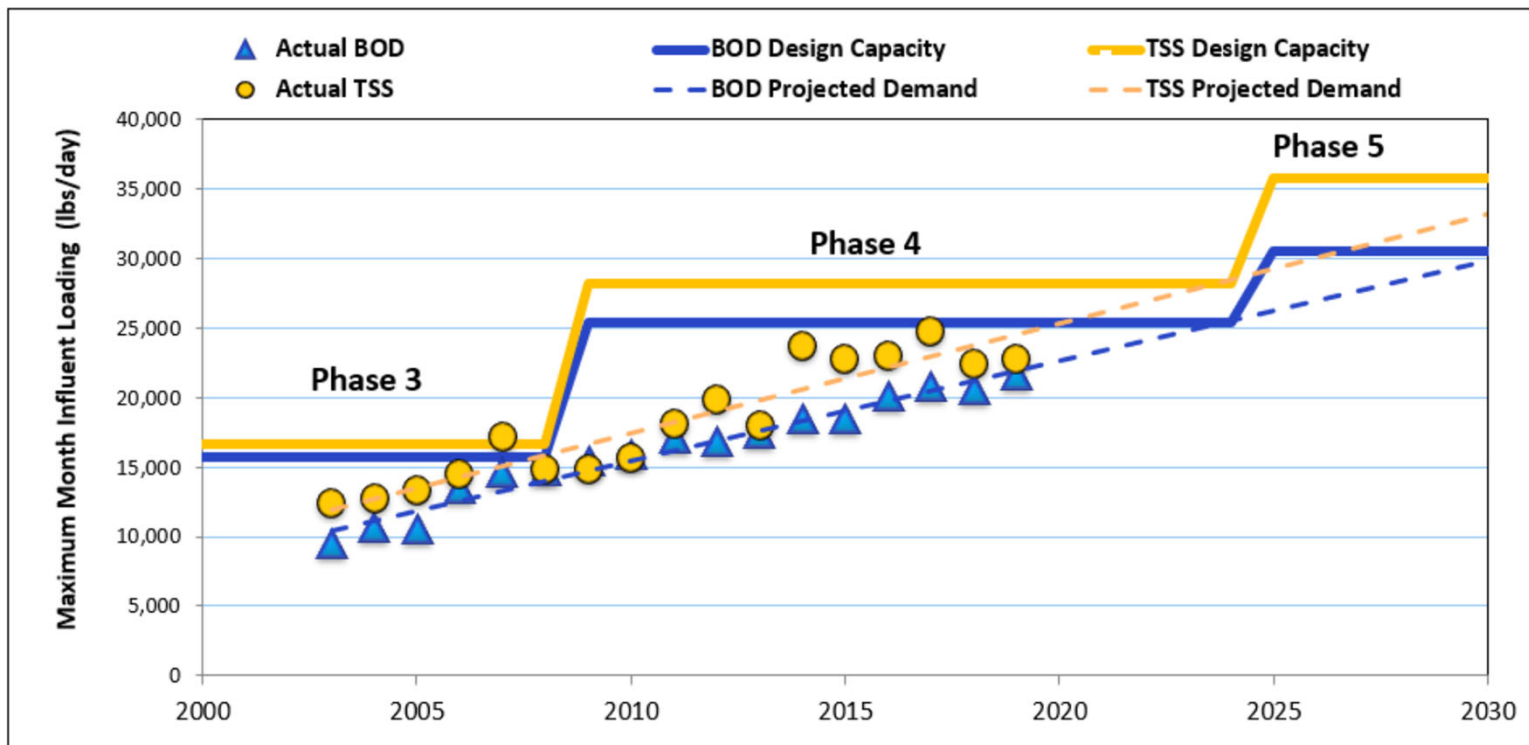
Salmon Creek Treatment Plant

- Primary Regional Asset
- Limiting capacity element in regional system
- Approaching capacity
- Facility expanded 4 times in 40 years
- Currently working on Phase 5 expansion

Capacity Management



Capacity Management



Capacity Management



- Capacity is needed in the regional system by 2025
- Currently Working on Phase 5 Expansion
 - Work Began in 2015
 - Planned Completion 2024



Phase 5 Expansion Program



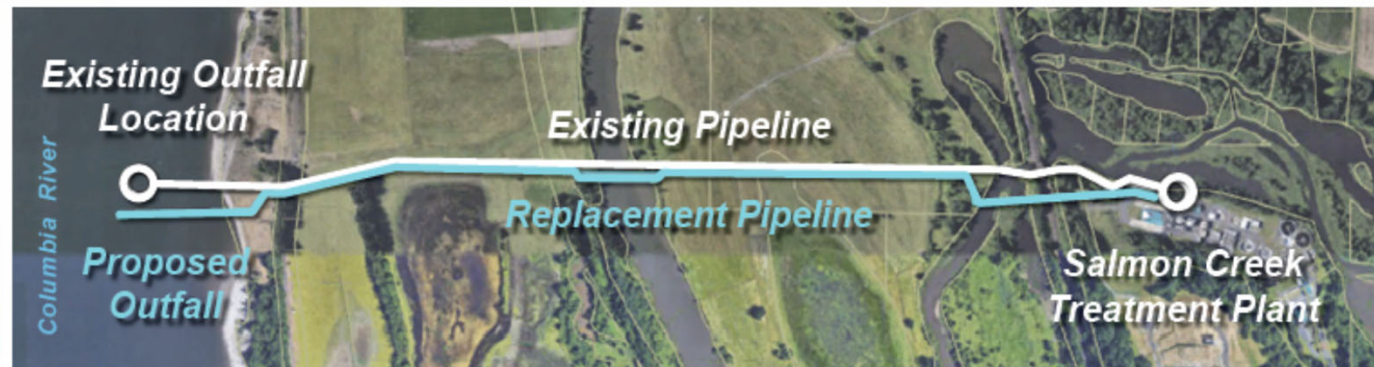
- Phase 5A Project – Columbia River Outfall and Effluent Pipeline
- Phase 5B Project – Salmon Creek Treatment Plant Improvements
- Increases Plant Capacity from 14.95 to 17.50 mgd
- Total Program Costs \$55.1M



Phase 5A – Columbia River Outfall and Effluent Pipeline



- \$26.4M project
- Comprehensive local/state/federal permitting
- Easements – Curtis Lake Ranch, New Columbia Garden Company
- Design – new 48-inch pipeline with work in Salmon Creek, Lake River, Columbia River (likely two construction packages)





Phase 5A - Columbia River Outfall and Effluent Pipeline - Permitting

31 Total Permits Required: 7 issued, 19 submitted, and 5 yet to be submitted

Local (9 permits)



- State Environmental Policy Act
- Flood Hazard
- Shoreline Conditional Use
- Land Use Conditional Use
- Grading and Drainage
- Railroad Crossing (4)



State (10 permits)



- Ecology Temporary Water Right (2)
- Ecology Engineering Report
- Water Quality Certification Section 401
- Hydraulic Project Approval
- Aquatic Lands Easement
- Aquatic Lands Right of Entry



Utility Crossing



NPDES Construction Stormwater Discharge (2)

Federal (12 permits/notifications)



Clean Water Act Section 404



Rivers & Harbors Act Section 10



National Historic Preservation Act



Endangered Species Act



Endangered Species Act/MSA



Underwater Utility/Outfall Notification



Private Aids to Navigation



Buoy Placement (2)



Marine Safety Zone (2)

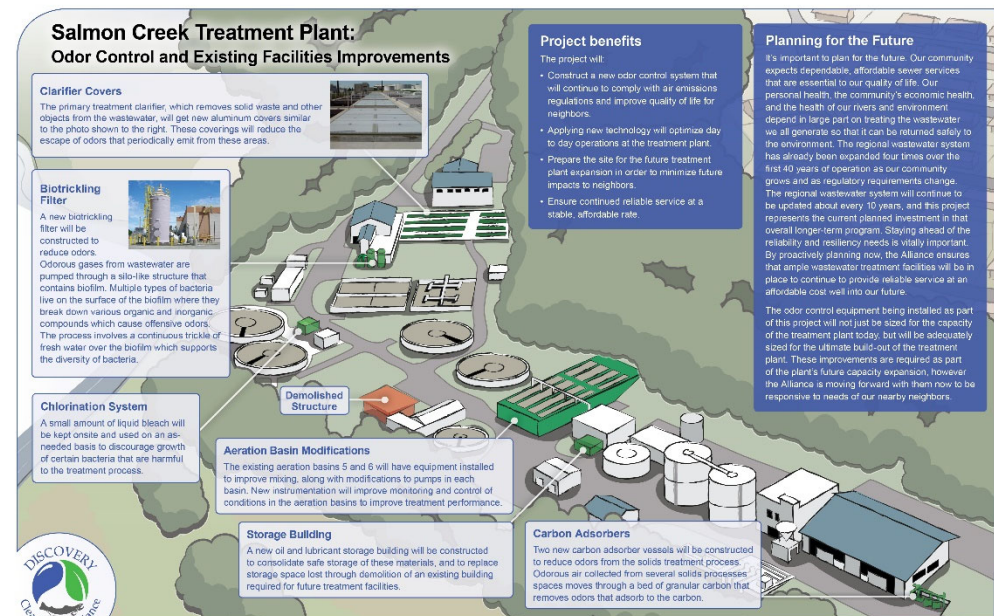


Local Notice to Mariners

Phase 5B: Package 1 – Odor Control and Existing Facilities Improvements



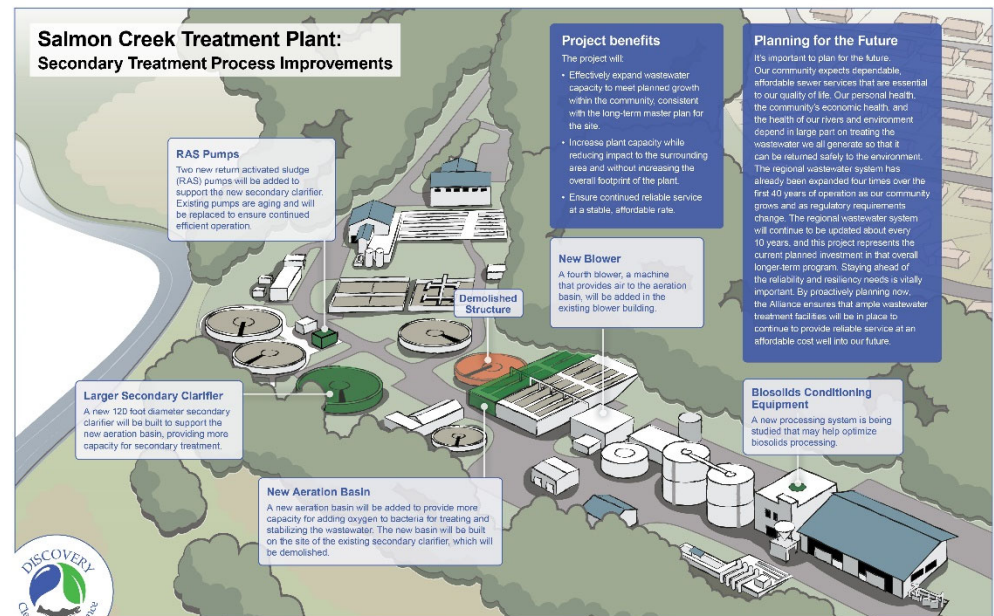
- \$10.0M project starting construction
- Five R&R projects included for efficient delivery
- Construction scheduled for 2020-2021 with goal to have odor control systems in place by early 2021



Phase 5B: Package 2 – Secondary Treatment Process Improvements



- \$18.7M project at 30% design
- Engineering Report scheduled for submittal to Ecology in Q4 2020
- Construction scheduled for 2022-2024



Phase 5 Expansion Program



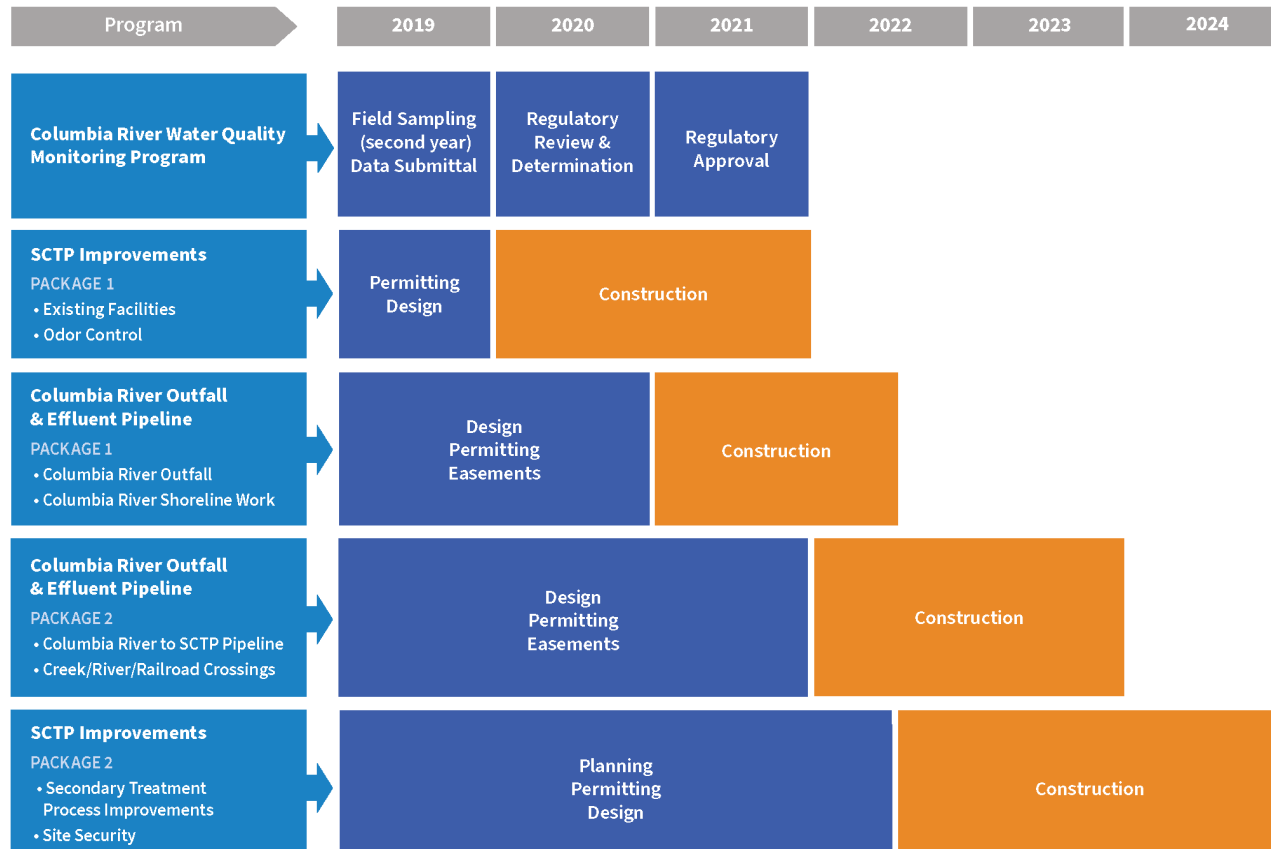
- State and Federal Permitting Ongoing
 - Project specific permits
- State and Federal Regulatory Processes
 - Columbia River status – 303(d) list
 - Current impairment for DO
 - Working with Vancouver to address
 - TMDL for temperature in Columbia and Lower Snake Rivers issued



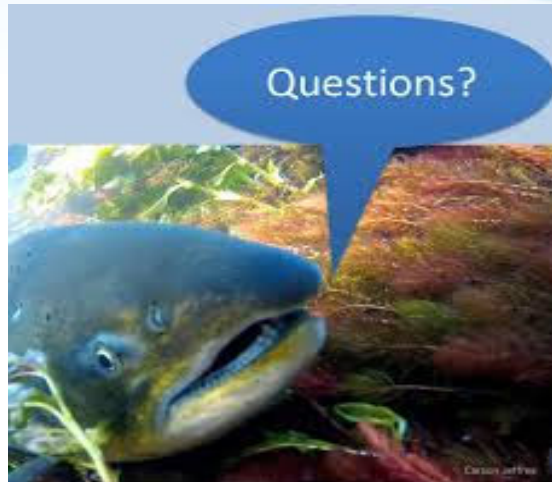
Phase 5 Expansion Program



Salmon Creek Treatment Plant (SCTP) Phase 5 Program Delivery Timeline



Questions



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Discovery Clean Water Alliance

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Clark Regional Wastewater District

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For more information, and to view the
Alliance Capital Plan, visit www.DiscoveryCWA.org