

# Discovery Clean Water Alliance

Engineering Support Services for 2027-2032

Presentation to: Potential RFP Proposers  
January 2026



# Purpose of Presentation



- Overview of the Discovery Clean Water Alliance (Alliance) and Clark Regional Wastewater District (CRWW) Roles
- Understand Alliance Needs for Operational & Capital Program Support Services
- Request for Proposal Details
- Engagement Opportunities and Timeline Moving Forward





# Alliance Overview and Consultant Expectations



# Alliance Overview

- Regional Sewer Basics
  - Four agency partnership
    - Formed under Joint Municipal Utility Services Act – 39.106 RCW
    - District is managing partner – “Administrative Lead” and “Operator”
  - Member agencies
    - Clark Regional Wastewater District
    - Clark County
    - City of Battle Ground
    - City of Ridgefield
  - Alliance history and additional background available on [website](#)



Shane Bowman  
Alliance Board Chair  
Battle Ground Councilmember



Lee Wells  
Alliance Vice-Chair  
Ridgefield Councilmember



Glen Yung  
Alliance Secretary  
Clark County Councilor



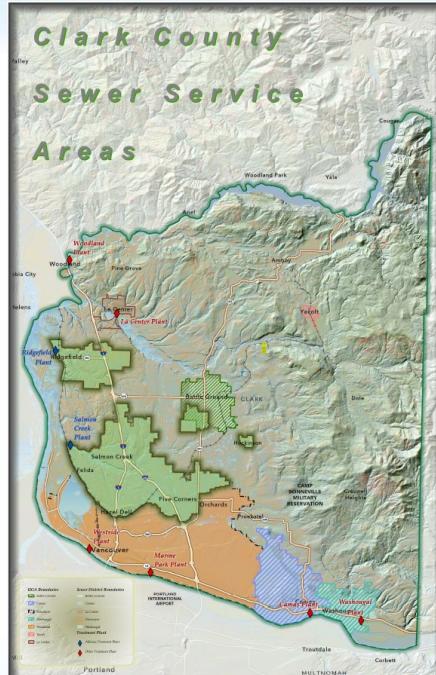
Norm Harker  
Alliance Director  
District Commissioner



# Alliance Overview

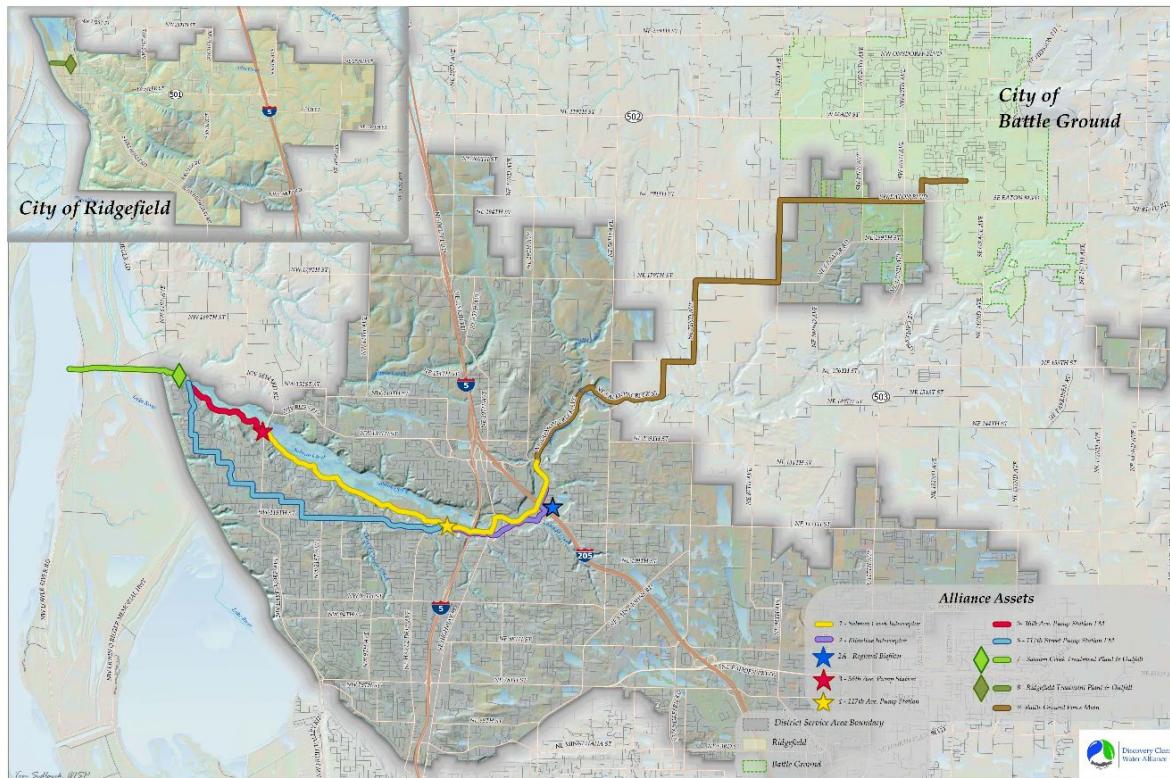


- Regional Sewer Basics
  - Emphasis on Treatment
    - Major cost center
    - Specialized expertise
    - Serves multiple urban growth areas
    - Best managed under regional framework
  - Key Assets
    - Salmon Creek Treatment Plant (SCTP)
    - Ridgefield Treatment Plant (RTP)
    - Pump Stations: 36<sup>th</sup> Avenue and 117<sup>th</sup> Street
    - Transmission System: Two Interceptors, Three Force Mains, and a Regional Biofilter



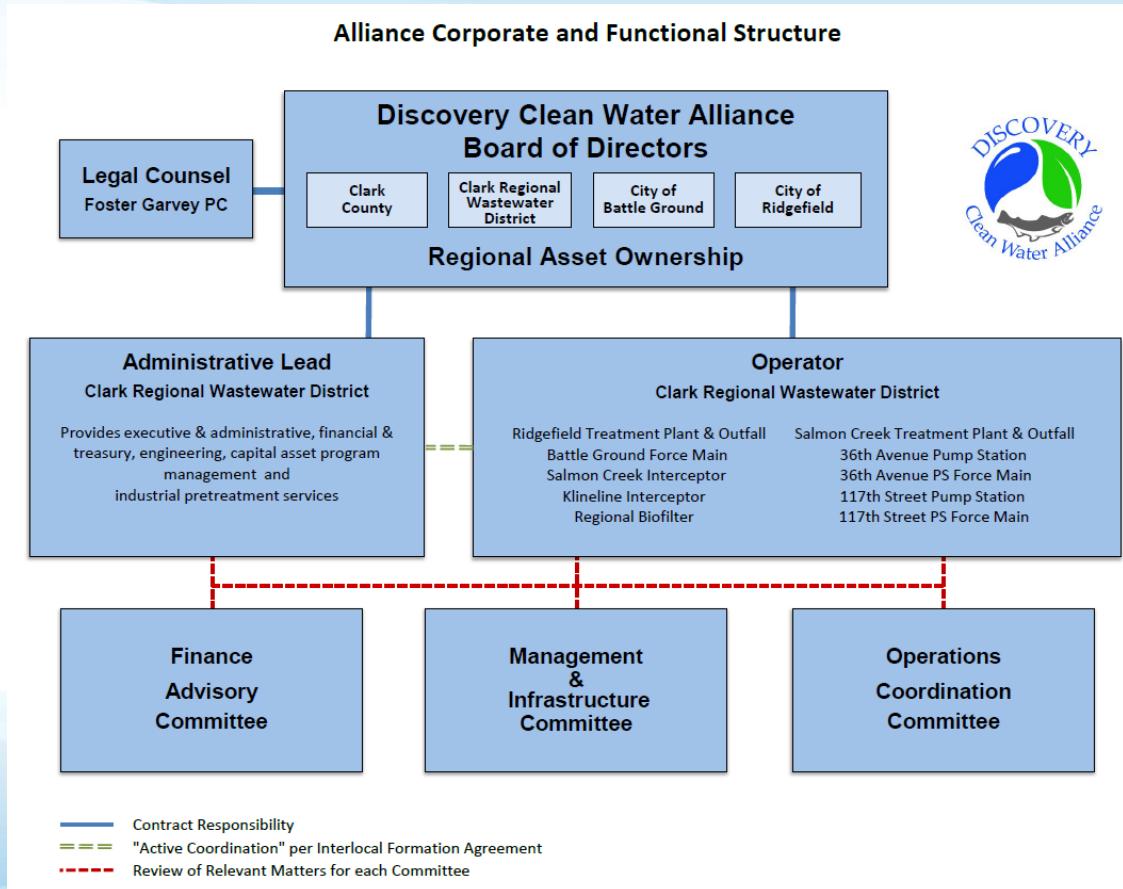
Click map to expand  
Sewer Service Areas

# Alliance Regional Assets



Click map to expand Alliance Regional Assets

# Alliance Business Model



# Consultant Expectations



- Highly Engaged Owner
  - Integrated Engineering, Construction and Operations – Team Approach
- Consultants to Function as Extension of Staff
- Technical Expertise Important
- Effective Project Management Key





# Understand Alliance Needs for Operational & Capital Program Support Services

- Element 1 – Existing and Emerging Regulatory Support
- Element 2 – Asset Management Program Support
- Element 3 – Operational and Technical Engineering Support
- Element 4 – Capital Plan and Capital Program Support
- Element 5 – Capital Project Delivery Services – R&R Existing Assets
- Element 6 – 3<sup>rd</sup> Party Inspection and Testing Services
- Element 7 – Capital Project Delivery Services – CIP New Assets



# Alliance Program Elements





# Element 1: Existing and Emerging Regulatory Support

# Element 1: Existing and Emerging Regulatory Support – Background



- Alliance Subject to Multiple Permits:
  - NPDES for SCTP and RTP (WA Department of Ecology)
  - General Permit for Biosolids Management (Ecology)
  - Air Discharge Permit (Southwest Clean Air Agency)
- Refer to Alliance Website for a full list of easements, permits, and licenses:
  - [Administrative Framework – Title 7 Environment](#)

# Element 1: Existing and Emerging Regulatory Support – Needs



- On-going compliance of existing permits:
  - Outfall sediment analysis
  - Local limits study
  - Analysis of on-going monitoring data
- Permit Renewal Process:
  - Application and draft permit reviews
  - Dialogue with District and Regulatory Agency Staff
- Industrial Pretreatment Program:
  - Review of monitoring data and reports
  - Technical input on potential pretreatment standards



# Element 1: Existing and Emerging Regulatory Support – Needs cont.



- Emerging Regulations:
  - Technical input on future permit requirements
  - Policy guidance to address or mitigate impacts to Alliance
  - Attend Regular Coordination Meetings with District Staff
  - Regulatory Briefings with District and Agency Partners
- Estimated value of Element 1 contracts for six-year period covering 2027-2032:  
\$100,000 – \$250,000



# Element 2: Asset Management Program Support



# Element 2: Asset Management Program Support – Background



- Board-approved asset management policy provides overall guidance
  - See Appendix C in [2024 Capital Plan](#)
- Established initial set of asset management business practices
  - Implementing a cycle of condition assessments for process assets
  - Documented preventative maintenance protocols
  - Standard Operating Procedures
- Using Lucity as Computerized Maintenance Management System (CMMS) for asset registry and work order system



# Element 2: Asset Management Program Support – Needs



- Form a prioritized plan that advances the asset management program
- Update procedures that further define and quantify risk
  - Create levels of service and performance measures
  - Refine concepts of likelihood and consequence of failure
- Data management and analysis
  - Maintain and enhance data quality and consistency
  - Analyze condition assessments to expand asset risk profiles



# Element 2: Asset Management Program Support – Needs cont.

- Expand practices and perform condition assessments:
  - Process assets
  - Building systems assets
  - Force mains beyond current desktop tool
  - High voltage inspections
  - Pipe, manhole, biofilter, and transmission asset inspections
  - Digester vessel and other structural inspections
- Right-size data dashboards and reporting features that monitor performance
- Estimated value of Element 2 six-year contracts:  
\$1,000,000 – \$1,500,000





# Element 3: Operational and Technical Engineering Support

# Element 3: Operational and Technical Engineering Support – Background



- Existing Operational Technology (OT) system components:

- Nutanix system (including VmWare, MS Server)
- Data Historian
- Disaster Recovery Server
- Firewalls supporting DMZ network
- Ethernet switches
- CCTV server/application



- Existing Supervisory Control and Data Acquisition (SCADA) systems:

- Programmable Logic Controller (PLC) – RS Studio Logix 5000
- Fiber network switches
- HMI Hardware and Software (Ignition)
- VM workstations
- Hach WIMS

# Element 3: Operational and Technical Engineering Support – Needs



- Wastewater process support providing:
  - Process analysis and troubleshooting
  - Monitoring of network logs and backup system functionality
  - Operational optimization for wastewater treatment system
- OT, SCADA and PLC Support:
  - Network Administration
  - Troubleshooting and issue resolution
  - System changes and equipment integration
  - Hardware maintenance, support, and lifecycle management
  - On-call support, as required



# Element 3: Operational and Technical Engineering Support – Needs cont.



- Engineering Operations Support:
  - System troubleshooting
  - PLC and HMI code development
  - Installation, testing, modifying and maintenance of hardware and software
  - Technical tasks to support electronically controlled machinery and equipment
  - Prepare and update O&M manuals and SOPs
  - Establish programming standards that guide others when making updates
- Serve as Integrator of Record:
  - Work with future capital project teams to support design, programming, installation, startup of instrumentation, SCADA, and similar systems
- Estimated value of Element 3 six-year contracts:  
\$500,000 – \$1,000,000





# Element 4: Capital Plan and Capital Program Support



# Element 4: Capital Plan and Capital Program Support – Background



- Alliance Board approves a Capital Plan every two years (See [2024 Capital Plan](#) as an example)
- Plan identifies biennium and long-term projects for:
  - Repair and Replacement (R&R) Program for existing assets
  - Capital Improvement Program (CIP) for new assets for capacity needs
- Plan identifies detailed breakdown of cost allocation among the Alliance funding partners
- District staff perform program management tasks to deliver the Capital Plan



# Element 4: Capital Plan and Capital Program Support – Needs



- Identify projects through:
  - Alliance asset management program (see Element 2)
  - 20-year General Sewer Plan (in development)
- Conduct a project prioritization process using:
  - Risk assessment, operational need, and the Board-approved values
- Perform conceptual design or alternatives analyses for select projects
- Develop Class 5 or higher cost estimates
- Draft project profiles for each project as a basis for design



# Element 4: Capital Plan and Capital Program Support – Needs cont.



- Assist staff with Program Management tasks:
  - Implement program controls and quality management
  - Develop technical standards & administrative policies
  - Perform stakeholder coordination
  - Conduct research & grant writing
  - Communicate findings to decision-making audiences
- Estimated value of Element 4 six-year contracts:  
\$1,000,000 – \$1,500,000





# Element 5: Capital Project Delivery Services – R&R Existing Assets



# Element 5: Capital Project Delivery Services – R&R Existing Assets – Background

- The R&R Program identified multiple capital projects to be completed between 2027-2032
  - See Table 2.10 and Appendix A in the [2024 Capital Plan](#) for details
  - Estimated construction cost of projects typically less than \$10M
- Estimated value of Element 5 six-year contracts: \$1,000,000 – \$4,000,000





# Element 5: Capital Project Delivery Services – R&R Existing Assets – Needs

- Pre-design Services:
  - Alternatives analyses, Basis of Design Reports, Department of Ecology Engineering Reports, or other planning tasks as needed
- Design Phase Services:
  - Engineering design including stamped specifications and drawings for construction
  - Permit acquisition from local, state, and federal agencies
    - Clark County Building department coordination
  - Engineering calculations and technical reports as required
  - Cost estimating
  - Department of Ecology required documentation
  - Project management



# Element 5: Capital Project Delivery Services – R&R Existing Assets – Needs cont.



- Bid/Advertisement Phase Services:
  - Prepare and issue addenda as needed
  - Evaluate bids
  - Prepare conformance documents that incorporate addenda
- Construction Phase Services:
  - Design services during construction and close-out
- Post-Construction Phase Services:
  - Commissioning and Startup tasks
  - Record drawings and record documents
  - O&M manuals and training

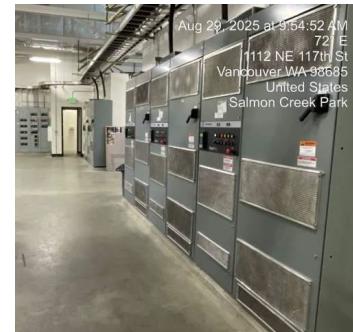


# Element 5: Capital Project Delivery Services – R&R Existing Assets – Needs cont.



## Control Systems Integration

- Coordinate with Alliance's Integrator of Record (see Element 3)
- Member of design team to develop controls strategies, instrumentation, P&ID conformance, and alarm prioritization
- Construction services – Final PLC details, programming, testing
- Commissioning services (testing & QA/QC)
  - Develop control narratives
  - Pre-integration operator workshops
  - Provide operator training and workshops
  - O&M manual & control loop updates





# Element 6: 3<sup>rd</sup> Party Inspection and Testing Services



# Element 6: 3<sup>rd</sup> Party Inspection and Testing Services



- Contracts to be issued to support delivery of the Alliance Capital Plan
- Making and processing of field and laboratory material tests
- Fill placement supervision, compaction density tests, soil investigations and various laboratory related tests
- Shop and field inspection for anchor bolts, bolt torque, paint thickness testing and non-destructive testing as well as welder certification
- Field inspection for anchor installation and certified welding activities
- Other miscellaneous materials inspection and testing needs
- Estimated cost of services will be a function of the number of projects
- Estimated value of Element 6 six-year contracts:  
\$100,000 - \$300,000





# Element 7: Capital Project Delivery Services - CIP New Assets



# Element 7: Capital Project Delivery Services – CIP New Assets



- Transmission
  - Battle Ground Area Transmission
  - 117<sup>th</sup> Street Pump Station Expansion
- Salmon Creek Treatment Plant
  - Liquids process expansion
  - Solids process expansion/possible process update
  - Support facilities (e.g., Operations Center expansion, Maintenance Facility)
- Ridgefield Treatment Plant Decommissioning



# Element 7: Capital Project Delivery Services – CIP New Assets cont.



- Alliance General Sewer Plan (GSP) to develop final list of projects by 2027
- Separate RFP to be issued once the capacity projects identified in the GSP are confirmed
  - Capital Project Delivery Services – CIP New Assets
  - Construction Management and Inspection
- 2024 Capital Plan estimated total project cost: \$180M
- Look for future communication on these opportunities





# Additional Information

# Request for Proposal Details



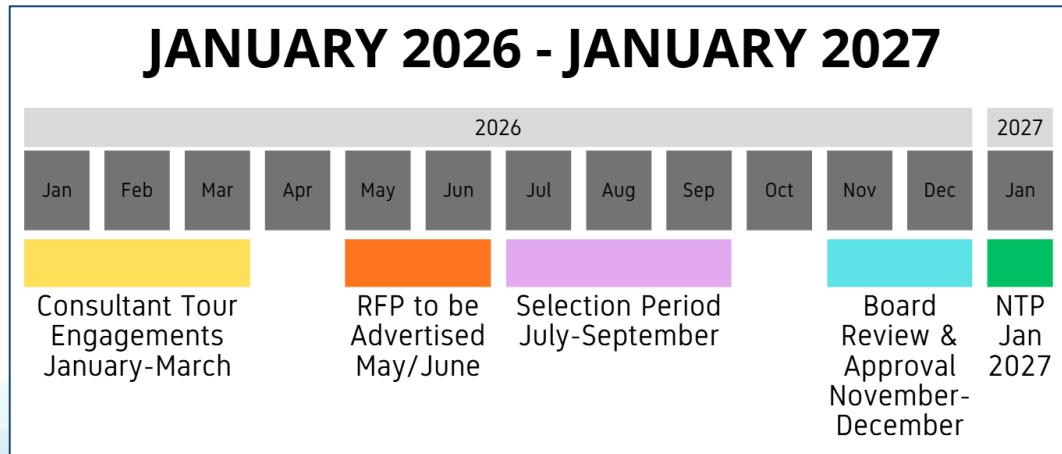
- RFP process to follow open procurement rules and will be posted on [procurement portal](#)
- Free vendor registration is required to use this platform
- Interested firms / teams to submit an electronic proposal for each Element of interest
- Individual contracts to be awarded per Element
- Each Element could include two or more contracts depending on proposals received



# Timeline Moving Forward



- RFP to be advertised in May or June 2026
- Notice to Proceed (NTP) for signed contracts expected January 1, 2027



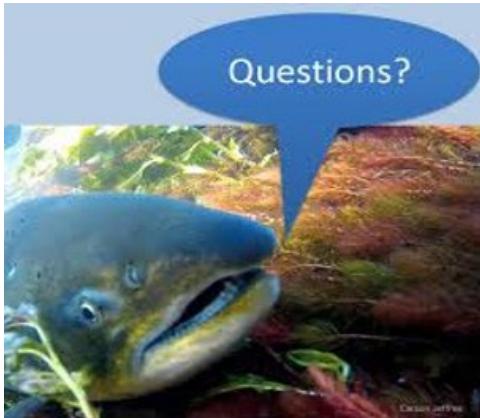
# Engagement Opportunities



- Interested teams are welcome to schedule a time with District staff for a 2-hour plant tour and Q&A
- Designated opportunities include 2:30-4:30pm on the following days:
  - January 30
  - February 13, 18, 20, and 27
  - March 6, 9, 13, and 16
- Contact [AllianceRFP@crwwd.com](mailto:AllianceRFP@crwwd.com) to schedule one of the above appointments



# Thank you for your interest in partnering with the Alliance!



For additional information please visit:  
<https://www.discoverycwa.org/consultants/2026-alliance-01/>

Questions can be directed to:  
[AllianceRFP@crwwd.com](mailto:AllianceRFP@crwwd.com)