

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 (CRWWD) 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

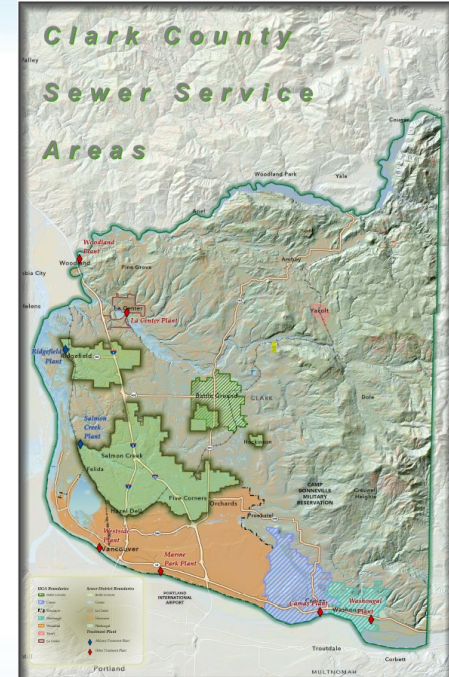


Norm Harker
Alliance Director
District Commissioner

Alliance Overview

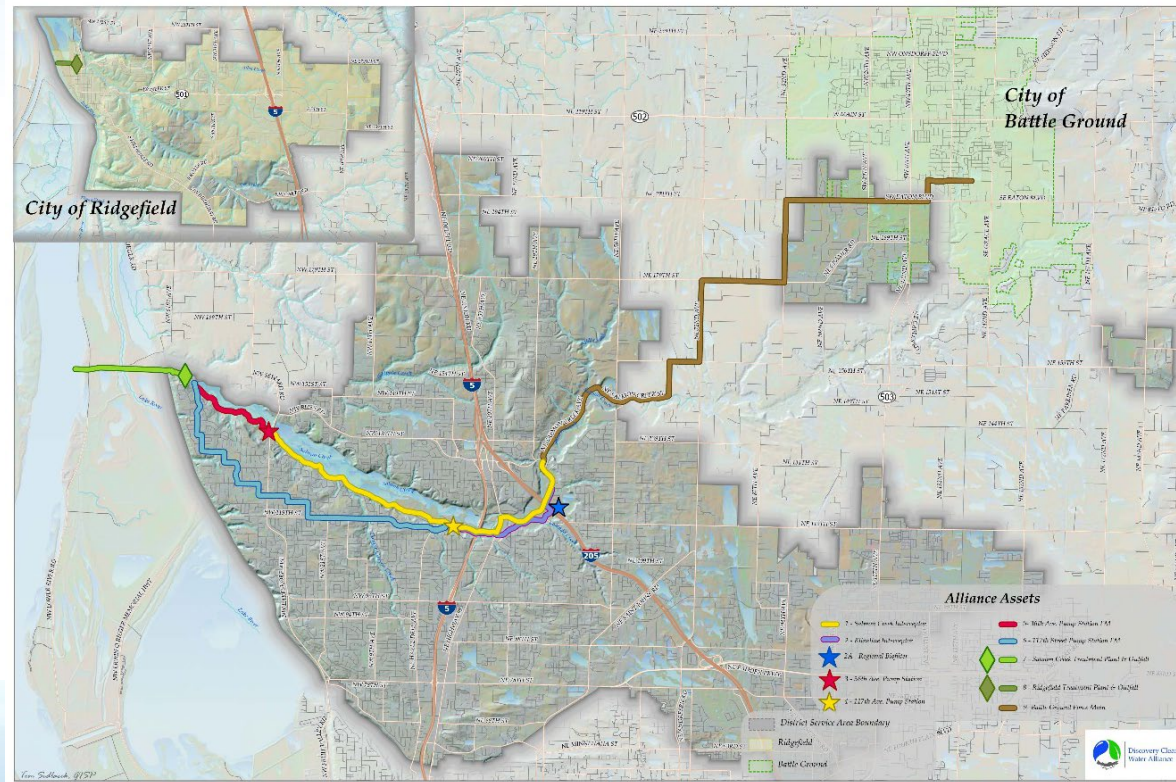


- Regional Sewer Basics
 - Emphasis on Treatment
 - Major cost center
 - Specialized expertise
 - Serves multiple urban growth areas
 - Best managed under regional framework
 - Key Assets
 - [Salmon Creek Treatment Plant \(SCTP\)](#)
 - [Ridgefield Treatment Plant \(RTP\)](#)
 - Pump Stations: 36th Avenue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



Click map to expand
Sewer Service Areas

Alliance Regional Assets

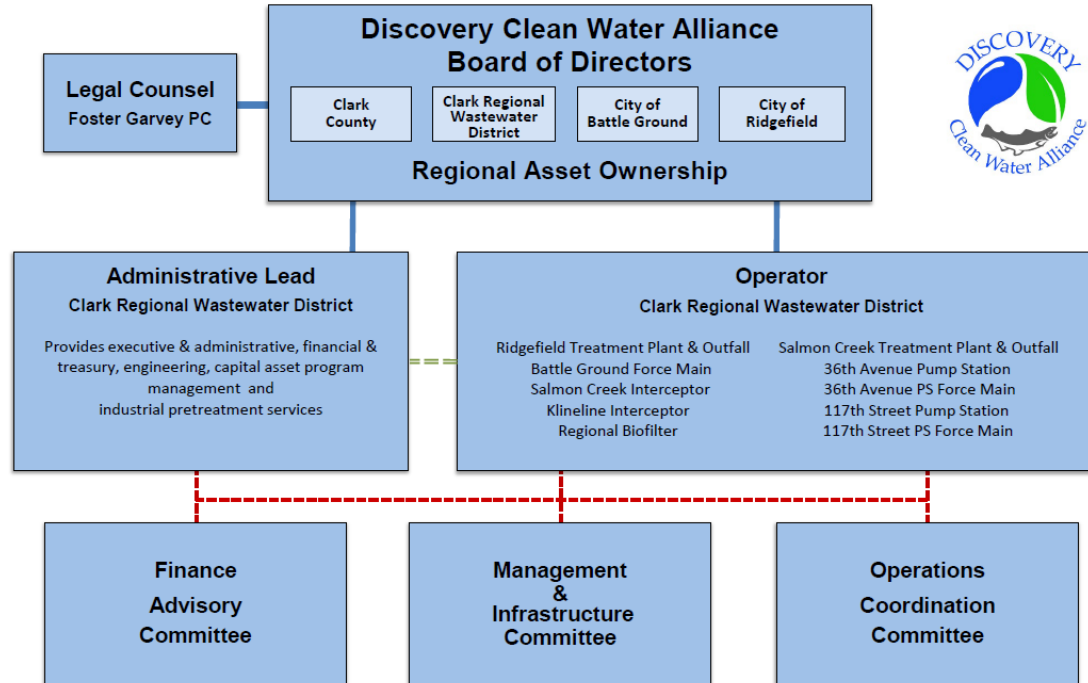


Click map to expand Alliance Regional Assets

Alliance Business Model



Alliance Corporate and Functional Structure



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

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 – 3rd 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: 3rd Party Inspection and Testing Services

Element 6: 3rd 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
 - 117th 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



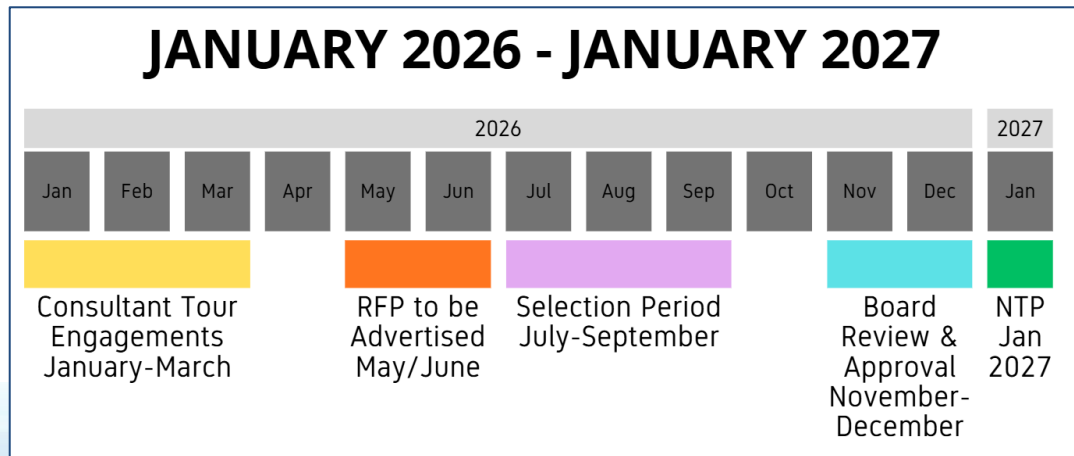
- RFP process to follow open procurement rules and will be posted on [procurement portal](#)
- Free vendor registration is required to use this platform
- Interested firms / teams to submit an electronic proposal for each Element of interest
- Individual contracts to be awarded per Element
- Each Element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



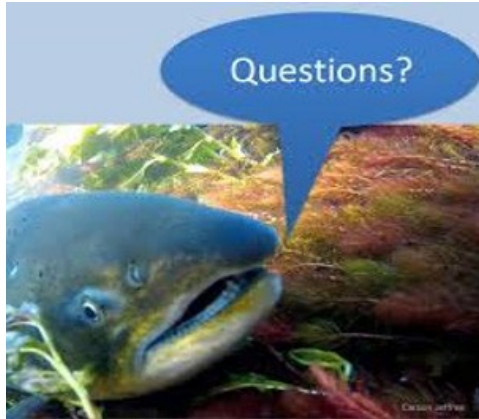
Engagement Opportunities



- 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 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