



Board of Directors Agenda Quarterly Meeting

Friday, March 17, 2023, 10:00 a.m.

District Board Meeting Room, 8000 NE 52nd Court, Vancouver, WA 98665

The Board of Directors will be accepting public comment on published agenda items via in-person or virtual attendance during this meeting. *Written comments may be submitted to lmattos@crwwd.com by 5:00 PM the day before the meeting. Comments will be compiled and sent to the Board of Directors.*

Please join my meeting from your computer, tablet or smartphone:

(<https://meet.goto.com/494924349>)

You can also dial in using your phone: **(646) 749-3122**; Access Code: **494-924-349**

Please call in at least 10 minutes before the meeting begins. Leanne Mattos, Board Clerk, will be available to work through any technical issues.

Regular Meeting

No	Item	Action/Info	Presenter	Time (minutes)
1.	Call To Order			
2.	Flag Salute			
3.	Late Additions to the Agenda			
4.	Public Comment <i>This item is to provide an opportunity for citizen comment.</i>	INFORMATION		5
5.	Consent Agenda a. Board of Directors Meeting Minutes of December 16, 2022 b. Audit of Accounts	ACTION		5
6.	Reports a. Alliance Overview/New Board Member Welcome b. Board of Directors Officer Elections c. Operator Reports – Fourth Quarter 2022 i. Ridgefield Treatment Plant ii. Salmon Creek Treatment Plant d. Capital Program Report – Fourth Quarter 2022 e. Treasurer Report – Fourth Quarter 2022 f. Regulatory Program Report g. Administrative Lead Report	INFORMATION	Peterson Peterson Jenkins Krause Logan Thomas Peterson	10 5 15 15 10 15 30

7. Member Agency Staff Reports	INFORMATION	5
8. Board of Directors Reports	INFORMATION	5
9. Adjourn Meeting		

Next Meeting: Friday, June 16, 2023, 10:00 a.m., Regular Business Meeting
District Board Meeting Room, 8000 NE 52nd Court, Vancouver, WA 98665

The Board provides reasonable accommodations to persons with disabilities. Please contact a staff member (by noon Thursday) if we can be of assistance. If you should experience difficulty hearing the proceedings, please bring this to the attention of the Board by raising your hand.



Discovery Clean
Water Alliance

Board of Directors Meeting Fourth Quarter 2022 MINUTES

Friday, December 16, 2022, 10:00 a.m.

In-Person / Remote Meeting via GoToMeeting

District Board Meeting Room, 8000 NE 52nd Court, Vancouver, WA 98665

Present:

City of Battle Ground: Shane Bowman

Clark County: Julie Olson

City of Ridgefield: Ron Onslow

Clark Regional Wastewater District: Norm Harker

Staff: Clark Regional Wastewater District: John Peterson; City of Battle Ground: None; Clark County: None; City of Ridgefield: None.

Audience: Clark Regional Wastewater District: Neil Kimsey, Denny Kiggins, Robin Krause, David Logan, Matt Jenkins, Leanne Mattos, Kim Thur, Kristen Thomas, Britny Carrier, Bob Sanguinetti; City of Vancouver: Frank Dick; Clark County: None; City of Battle Ground: None; City of Ridgefield: None; Interested Citizens: Dan Clark; Foster Garvey Legal Counsel: Lee Marchisio; Guest Speakers: None

Regular Business Meeting

Call to order:

Chair Bowman called the meeting to order at 10:00 a.m.

1. Late Additions/Deletions to the Agenda

None.

2. Public Comment

None.

3. Consent Agenda

Action:

Ron Onslow moved, seconded by Julie Olson, to approve the Consent Agenda, approving the September 16, 2022 meeting minutes; ratifying claim warrants #10590-10593 in the amount of \$2,694,939.66 for September 2022, claim warrants #10594-10597 in the amount of \$1,854,183.98 for October 2022, and claim warrants #10598-10602 in the amount of \$2,042,371.76 for November 2022; authorizing the Board Chair to sign the Agreement for Legal Services with Foster Garvey PC; adopting Resolution 2022-05, approving and adopting the 2022 Capital Plan; adopting Resolution 2022-06, adopting the Alliance Pretreatment Regulations, and authorizing the Board Chair to sign the Interlocal Agreement; and adopting Resolution 2022-08, authorizing the

Alliance to use electronic records and electronic signatures and the Alliance Executive Director to adopt policies implementing the use of electronic records and signatures for the conduct of Alliance business. Motion carried unanimously.

4. Public Hearing – 2023-2024 Operating and Capital Budget and Regional Service Charges Hearing:

A public hearing for the Alliance 2023-2024 Operating and Capital Budget was opened at 10:03 am. David Logan presented the staff report and summary tables highlighting the sources (income), uses (expenses) and Regional Service Charges (RSCs) for the 2023-2024 budget period. Chair Bowman called for public comment on the proposed budget. There was no public comment.

Chair Bowman called for a motion to close the public hearing. Norm Harker moved to close the hearing and it was seconded by Julie Olson. The motion carried unanimously. The hearing was closed at 10:13 am.

5. Resolution No. 2022-07 – 2023-2024 Operating and Capital Budget and Regional Service Charges

Action:

David Logan presented the staff report and Resolution No. 2022-07 adopting the 2023-2024 Operating and Capital Budget for the Alliance. The Board agreed to the biennium budget. Chair Bowman called for a motion to adopt the resolution. Ron Onslow moved to adopt Resolution No. 2022-07, adopting the 2023-2024 Operating and Capital Budget and Regional Service Charges. The motion was seconded by Norm Harker. The motion carried unanimously.

6. Operator Report Clark County – Third Quarter 2022

Matt Jenkins presented the Operator Report covering the Ridgefield Treatment Plant, Regional Biofilter, Salmon Creek and Kline Line Interceptors, and Battle Ground Force Main operating performance and budget status through September 30, 2022. Mr. Jenkins noted that SCTP staff cross-training efforts are complete. Mr. Jenkins reviewed the status of R&R Projects for the 2021-2022 biennium. Mr. Jenkins then reviewed the operating budget, noting that the overall two-year operating budget is currently at 71.5% of actual expenditures through the third quarter of 2022 (87.5% of biennial budget).

Mr. Jenkins then presented the Operator Report covering the Salmon Creek Wastewater Treatment Plant operating performance and budget status through September 30, 2022. Mr. Jenkins highlighted the ongoing progress of staffing, permitting, maintenance and operational efforts at the plant, and reviewed the status of R&R Projects for the 2021-2022 biennium. Mr. Jenkins then reviewed the operating budget, noting that the overall two-year operating budget is currently at 86.4% of actual expenditures through the third quarter of 2022 (87.5% of biennial budget).

7. Capital Program Report – Third Quarter 2022

Robin Krause presented updates on the capital program and capital project activities. He presented a Capital Program Summary status report for the District-led capital projects included in the 2021-2022 budget period. He provided updates on projects in construction, projects in design, and projects in planning.

Mr. Krause then presented a Value Engineering proposal for the 5A Package 2 Effluent Pipeline project. He explained the proposal concept of a bridge/ferry barge crossing at Lake River, which would avoid the at-grade crossing of materials and equipment on BNSF property. The proposal would result in an anticipated cost savings of approximately \$1.8M, as well as a significant reduction of railroad crossings and safety risks. The Board concurred, and expressed its support in moving forward with the proposed concept.

8. Treasurer Report – Third Quarter 2022

David Logan presented the staff report, covering the Third Quarter 2022 Financial Report reflecting the results from operations for all funds as well as cash and investment balances as of September 30, 2022. Mr. Logan also explained the November (YTD) SCTP Transition Cost Report, detailing the activity and remaining fund balance, which will be transferred by the end of the year. Mr. Logan then reported on the status of the 2022 debt issuance.

9. Administrative Lead Report

John Peterson presented the Administrative Lead (AL) staff report, highlighting the following items, which were included in the agenda packet:

1) Interlocal Formation Agreement (IFA) – Framework for Withdrawal of a Member – The recent transition of Operator responsibilities prompted several members to inquire about the possibility of Clark County wishing to voluntarily withdraw from the Alliance. The Board expressed their support of Mr. Peterson reaching out to the County Manager to engage further on this topic.

2) State and Federal Infrastructure Funding – The focus of this review was for scenarios that involve grants and loans with principal forgiveness options. Mr. Peterson provided a summary of the funding opportunities applicable to the Alliance.

3) 2023 Legislative Session – The District is working with the Coalition for Clean Water (CCW) and the Washington Association of Sewer and Water Districts (WASWD) on potential 2023 legislation regarding biosolids management. The associations submitted recommendations on changes to the second draft bill, which are currently under consideration.

10. Member Agency Staff Reports

None.

11. Board of Directors Reports

No reports.

Discussion:

Mr. Peterson and staff thanked Director Olson for her thoughtful support and guidance during her 7 years of service with the Alliance. Ms. Olson complimented the District for its excellent work in managing the affairs of the Alliance.

The meeting was adjourned at 11:35 a.m.

Prepared and edited by Alliance Administrative Lead staff. Approved by the
Discovery Clean Water Alliance Board of Directors on:

March 17, 2023

Secretary

Accounts Payable

Blanket Voucher Approval Document



Discovery Clean
Water Alliance

We, the undersigned Board of Directors of Discovery Clean Water Alliance, Clark County, Washington, do hereby certify that the merchandise and / or services hereinafter specified have been received and approved for payment in the amount of \$24,000.00 this 19th day of December 2022.

Treasurer

Director

Director

Director

Director

Line	Claimant	Check No.	Amount
1	BNSF RAILWAY COMPANY	10603	12,000.00 ✓
2	BNSF RAILWAY COMPANY	10604	12,000.00 ✓
		Page Total:	<u>\$24,000.00</u>

Accounts Payable

Blanket Voucher Approval Document



Discovery Clean
Water Alliance

We, the undersigned Board of Directors of Discovery Clean Water Alliance, Clark County, Washington, do hereby certify that the merchandise and / or services hereinafter specified have been received and approved for payment in the amount of \$2,050,110.72 this 21st day of December 2022.

Treasurer

Director

Director

Director

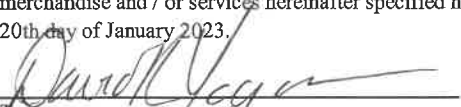
Director

Line	Claimant	Check No.	Amount
1	CFM ADVOCATES	10605	4,000.00 ✓
2	CLARK REGIONAL WASTEWATER DISTRICT	10606	2,003,726.60 ✓
3	FOSTER GARVEY, PC	10607	7,432.50 ✓
4	GOVERNMENT PORTFOLIO ADVISORS	10608	1,939.20 ✓
5	WASHINGTON DEPARTMENT OF ECOLOGY	10609	33,012.42 ✓
Page Total:			<u>\$2,050,110.72</u>

Accounts Payable
Blanket Voucher Approval Document



We, the undersigned Board of Directors of Discovery Clean Water Alliance, Clark County, Washington, do hereby certify that the merchandise and / or services hereinafter specified have been received and approved for payment in the amount of \$1,467,875.66 this 20th day of January 2023.


Treasurer

Director

Director

Director

Director

Line	Claimant	Check No.	Amount
1	COALITION FOR CLEAN WATER	10610	6,300.00 ✓
2	CLARK REGIONAL WASTEWATER DISTRICT	10611	1,459,630.92 ✓
3	GOVERNMENT PORTFOLIO ADVISORS	10612	1,944.74 ✓
Page Total:			<u>\$1,467,875.66</u>

Accounts Payable

Blanket Voucher Approval Document



Discovery Clean
Water Alliance

We, the undersigned Board of Directors of Discovery Clean Water Alliance, Clark County, Washington, do hereby certify that the merchandise and / or services hereinafter specified have been received and approved for payment in the amount of \$3,749,051.17 this 24th day of February 2023.

Treasurer

Director

Director

Director

Director

Line	Claimant	Check No.	Amount
1	CFM STRATEGIC COMMUNICATIONS, INC	10613	8,000.00 ✓
2	CLARK REGIONAL WASTEWATER DISTRICT	10614	3,736,997.67 ✓
3	FOSTER GARVEY, PC	10615	4,053.50 ✓
		Page Total:	<u>\$3,749,051.17</u>



Discovery Clean Water Alliance

Staff Report

Board Meeting of March 17, 2023

6a. Alliance Overview / New Board Member Welcome

STAFF CONTACTS	PHONE	EMAIL
John M. Peterson, P.E., Alliance Executive Director	360-993-8819	jpeterson@crwwd.com
Leanne Mattos, District Sr. Administrative Assistant	360-993-8823	lmattos@crwwd.com

PURPOSE: The Members of the Discovery Clean Water Alliance individually determine their respective elected officials serving as Board level Directors and Alternates. A listing of the currently appointed Directors and Alternates for 2023 is summarized in the table below:

Agency	City of Battle Ground	Clark County	Clark Regional Wastewater District	City of Ridgefield
Director	Shane Bowman	Sue Marshall*	Norm Harker	Ron Onslow
Alternate	Troy McCoy	Gary Medvigy*	Neil Kimsey	Lee Wells

The purpose of this staff report is to welcome new Alliance Board representatives and to provide an introduction and overview of the Alliance partnership.

Section 1 of the Alliance Capital Plan (attached) has been developed to provide an informative overview of the Alliance. This discussion includes coverage of the Alliance history and formation, organizational structure, core values, scope of the Capital Plan, and a brief description of the Regional Assets under Alliance ownership.

Alliance Administrative Lead staff plans to provide a summary presentation of Section 1 during the Board of Directors meeting.

*At the time that this Staff Report was prepared, Clark County was still in the process of confirming the selection of its Director/Alternate and working to resolve related schedule conflicts.

ACTION REQUESTED: Information and discussion.



Laying the foundation
for a vibrant economy
and healthy environment

2022 CAPITAL PLAN

Prepared in Support of the 2023-2024 Capital Budget



Discovery Clean
Water Alliance



Core Values

1. *Ensure reliable, predictable service for all customers*
2. *Manage resources responsibly, efficiently and equitably*
3. *Protect public and environmental health*
4. *Optimize use of existing facilities*
5. *Be financially transparent*
6. *Use new technologies to achieve system efficiencies and environmental protection*
7. *Provide a fair, positive and secure work environment for utility employees*
8. *Ensure capacity to support regional land use and economic development decisions*
9. *Invest in improvements that create system-wide benefits*
10. *Make business decisions collaboratively with all partners*



CONTENTS

SECTION 1 – Alliance Overview and Capital Plan Introduction	1
1.1 ALLIANCE HISTORY AND FORMATION	3
FIGURE 1.1 – ALLIANCE FORMATION TIMELINE.....	4
FIGURE 1.2 – REGIONAL UTILITY PARTNERSHIPS LOCATED IN OREGON AND WASHINGTON	6
1.2 ALLIANCE NAME AND ORGANIZATIONAL STRUCTURE	7
FIGURE 1.3 – ALLIANCE CONTRACTUAL AND COMMUNICATION FLOW CHART	9
1.3 ALLIANCE CORE VALUES/CAPITAL PLANNING GUIDING PRINCIPLES	10
TABLE 1.1 – ALLIANCE CORE VALUES.....	10
TABLE 1.2 – ALLIANCE CAPITAL PLANNING GUIDING PRINCIPLES.....	11
1.4 PURPOSE AND SCOPE OF CAPITAL PLAN	11
DEFINITIONS	11
1.5 ALLIANCE REGIONAL ASSETS	12
TABLE 1.3 – ALLIANCE REGIONAL ASSET DESCRIPTIONS.....	13
FIGURE 1.4 – REGIONAL ASSET OVERVIEW MAP.....	15
1.6 GOVERNOR’S 2013 SMART COMMUNITIES AWARD	17
SECTION 2 – 2022 Capital Plan.....	19
2.1 CAPITAL PLAN INTRODUCTION.....	21
TABLE 2.1 – ALLIANCE COST ESTIMATE CLASSIFICATION SYSTEM	22
2.2 MEMBER AGENCY PLANNING DOCUMENT INCORPORATION BY REFERENCE.....	23
TABLE 2.2 – MEMBER AGENCY PLANNING DOCUMENTS ADOPTED BY ALLIANCE.....	23
2.3 EXISTING REGIONAL ASSETS – REPAIR AND REPLACEMENT (R&R) PROGRAM	23
FIGURE 2.1 – ALLIANCE LIKELIHOOD OF FAILURE/CONSEQUENCE OF FAILURE GUIDANCE.....	26
TABLE 2.3 – EXISTING REGIONAL ASSETS – FUNDING MEMBER COST RESPONSIBILITY.....	28
2.4 NEW REGIONAL ASSETS – CAPITAL IMPROVEMENT PROGRAM	29
FIGURE 2.2 – SALMON CREEK TREATMENT PLANT CAPACITY ASSESSMENT – INFLUENT FLOW	31
FIGURE 2.3 – SALMON CREEK TREATMENT PLANT CAPACITY ASSESSMENT – INFLUENT WASTELOAD	32
TABLE 2.4 – SUMMARY OF SALMON CREEK TREATMENT PLANT CAPACITY ASSESSMENTS.....	32
TABLE 2.5 – NEW REGIONAL ASSETS – FUNDING MEMBER COST RESPONSIBILITY	34
2.5 CHANGE IN ALLOCATED CAPACITY	35
TABLE 2.6 – FUTURE CHANGE IN ALLOCATED CAPACITY	35
TABLE 2.7 – REGIONAL ASSETS AND CURRENT CAPACITY ALLOCATIONS.....	36
2.6 CAPITAL PLAN SUMMARY – PROJECT FUNDING	37
TABLE 2.8 – PROJECT FUNDING – REPAIR AND REPLACEMENT PROGRAM	39
TABLE 2.9 – PROJECT FUNDING – CAPITAL IMPROVEMENT PROGRAM	41
APPENDIX A EXISTING REGIONAL ASSETS – REPAIR AND REPLACEMENT PROGRAM PROJECT PROFILES	43
APPENDIX B NEW REGIONAL ASSETS – CAPITAL IMPROVEMENT PROGRAM PROJECT PROFILES	71





SECTION 1

Alliance Overview and Capital Plan Introduction





1.1 Alliance History and Formation

The Discovery Clean Water Alliance (Alliance) legally formed on January 4, 2013, representing the culmination of several years of evaluation to determine the optimum long-term framework for delivery of regional wastewater transmission and treatment services to the urban growth areas in the central portion of Clark County, Washington.

The overall Alliance service area represents the majority of the high-growth communities within Clark County. Residents and businesses served by the regional wastewater system value receiving reliable service at an affordable price from the Member agencies. The Alliance therefore is designed to provide a regional collaboration and decision making forum that fosters the ability for Member agencies to influence key policy determinations on how best to make needed capital investments and determine operational level-of-service, while also maintaining competitive rates and charges to the end users of the system.



Having managed the region's growth under other service delivery models prior to formation of the Alliance, the Members determined that regional decisions are best made when all stakeholders participate directly in decisions having a material impact to service levels or costs. To that end, the primary outcomes of the Alliance structure are to:

- provide a direct voice and a vote for agencies affected by regional infrastructure decisions
- align the authority to make decisions with the responsibility to pay for the resulting impacts of those decisions
- provide a forum to determine the appropriate balance between level-of-service and cost-of-service

As currently established, the Alliance serves four Member agencies – the City of Battle Ground, Clark County, Clark Regional Wastewater District and the City of Ridgefield. The Members jointly own and jointly manage regional wastewater assets under Alliance ownership through an interlocal framework established under the State of Washington Joint Municipal Utility Services Act (JMUSA) (RCW 39.106).

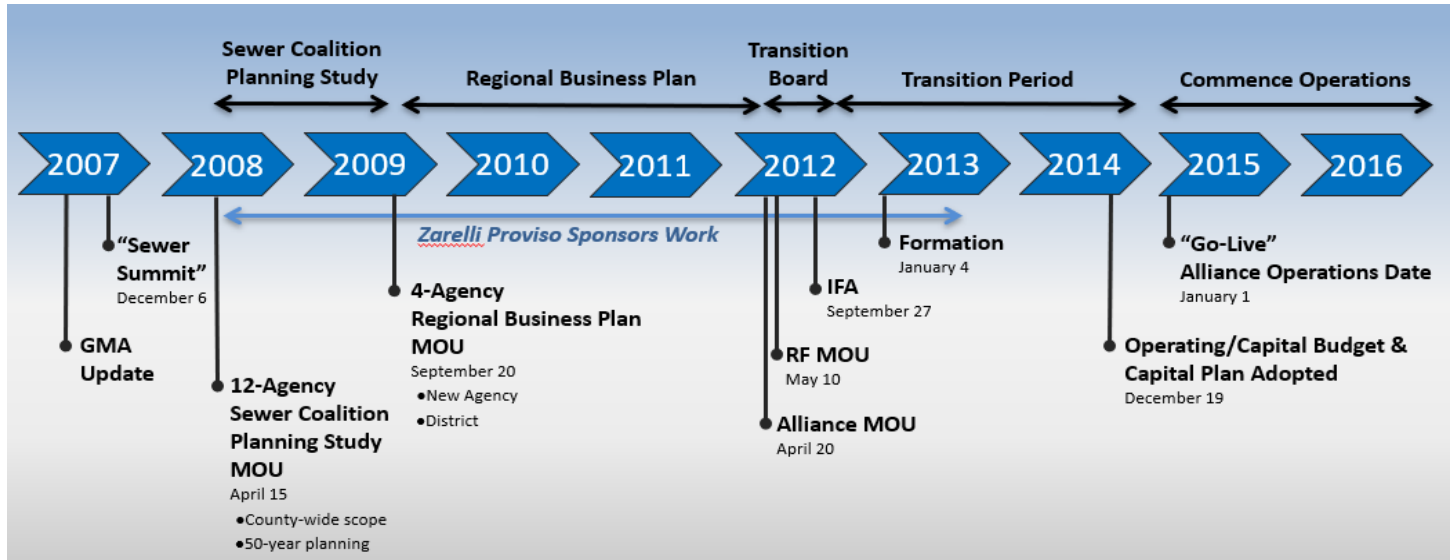
The JMUSA statute was passed by the Washington State Legislature and signed by the Governor in 2011. The Discovery Clean Water Alliance was the second agency in the state to form under this statute, after the Cascade Water Alliance. While the Alliance is a regional wastewater transmission and treatment utility today, the statute allows for any form of municipal water-related utility service to be



provided and supports any combination of municipal partner agencies as Members. This structure ensures the flexibility to accommodate changing needs of the regional service area over time.

A summary of the transition timeline and process that led to the formation of the Alliance is provided below.

Figure 1.1 – Alliance Formation Timeline



- **Sewer Summit.** In September 2007, Clark County adopted an updated *20-Year Comprehensive Growth Management Plan*, addressing the future needs of the community. This planning process identified the growth potential and related infrastructure needs of several of the urban growth areas within Clark County. As a result, wastewater service providers in Clark County began to discuss the concept of regionalizing wastewater services to support a healthy environment and to provide infrastructure needed to realize the area's economic development potential. These discussions culminated in a "Sewer Summit" on December 6, 2007, where the idea of studying various regional services delivery models was first endorsed by a broad coalition of local agencies.
- **Sewer Coalition Planning Study.** The Sewer Summit discussions resulted in the *Sewer Coalition Planning Study*, started in 2008 and published in November 2009, with twelve local agencies. This study considered a 50-year vision for growth and infrastructure needs in a county-wide context. The study resulted in a *Memorandum of Understanding (MOU) to Develop the Structure for a Regional Wastewater Entity*. Four of the twelve agencies (today, the Members of the Alliance) agreed in the MOU to move forward to form a new regional partnership. The remaining eight coordinating agencies would continue to coordinate with, and stay informed on, the process. A legislative proviso sponsored by State Senator Joseph Zarelli was utilized to provide for this and the subsequent planning and study work.



- **Regional Business Planning.** In 2010 and 2011, the four agencies conducted a regional business planning effort to explore specific options for how a new regional partnership might be structured, what services it might provide, what assets it might own, how it might be governed and how it might be funded.

This regional business planning effort resulted in a second MOU signed in April 2012, providing agreement-in-principle for the framework of the new partnership. Key elements of the MOU included formation of the new entity under JMUSA (RCW 39.106); use of an asset-based cost allocation model; oversight from a four-member Board of Directors composed of one elected official from each agency; and contracting key administrative and operational responsibilities to the Member agencies best suited to provide those services.



The asset-based cost allocation model consists of four primary types of costs:

- 1) operational costs shared by current actual flow contributions from the Members;
 - 2) capital costs related to existing facilities by current capacity allocation or capacity "ownership" in those facilities;
 - 3) capital costs related to new facilities by incremental purchase of capacity; and
 - 4) administrative costs not related to operations are shared by capacity allocation in the treatment facilities.
- **Alliance Formation.** Building on the April 2012 MOU, an Interlocal Formation Agreement (IFA) was completed in September 2012, providing the necessary framework elements for the Discovery Clean Water Alliance. The IFA was registered with the Washington State Office of Secretary of State on January 4, 2013, to legally form the Alliance. The Alliance Board of Directors

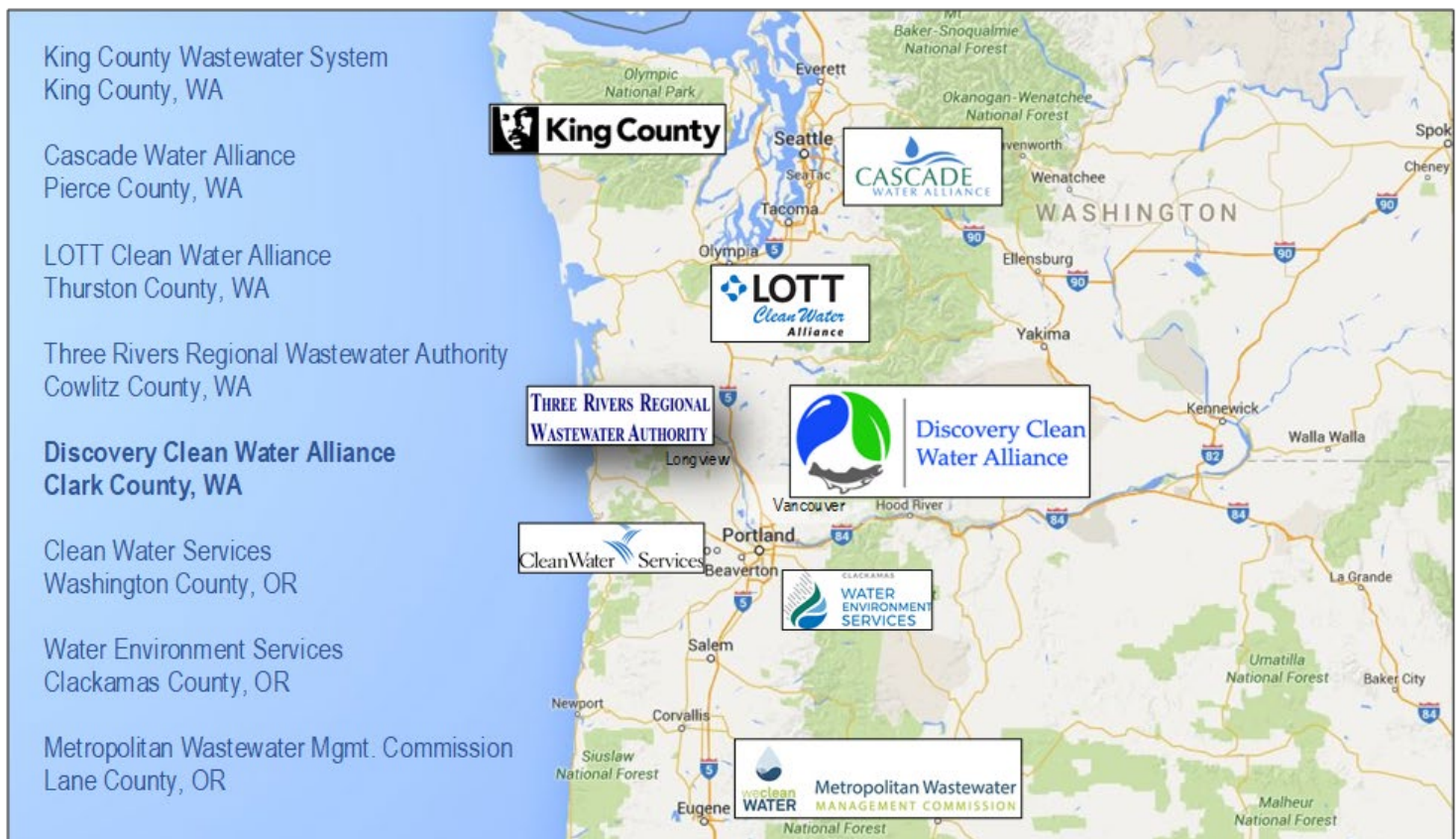




then met for the first time on January 18, 2013, where a series of initial resolutions were approved to establish the basic operating framework for the new regional authority. Also approved on that date was an initial two-year operating budget to support transition activities in 2013 and 2014. The individuals serving on the Board of Directors at the first official meeting of the Alliance were: Mayor Lisa Walters – City of Battle Ground; Commissioner Tom Mielke – Clark County; Commissioner Neil Kimsey – Clark Regional Wastewater District; and Mayor Ron Onslow – City of Ridgefield. The IFA was amended and restated by resolution on August 15, 2014, to further clarify policies and procedures. The Alliance assumed full operational responsibility for the Regional Assets on January 1, 2015 (the Alliance Operations Date).

The Alliance is one of several regional water and wastewater agencies providing service to large urban areas in western Oregon and Washington. In much the same way that the boundaries of a natural watershed are different than political boundaries of cities and counties, utility systems are often most efficiently managed on a regional scale serving multiple local jurisdictions. While the corporate structures and functional arrangements vary widely, the Alliance is a peer agency in many respects with the following Pacific Northwest regional water and wastewater agencies shown below.

Figure 1.2 – Regional Utility Partnerships Located in Oregon and Washington





1.2 Alliance Name and Organizational Structure

As the Alliance was in its formative stages, it was necessary to establish a clear identity for the new agency. The name **Discovery Clean Water Alliance** was chosen after a review of possible options. Historically, the name “discovery” is tied to the Lewis and Clark expedition which traversed Clark County over two hundred years ago and was officially called the “Corp of Discovery”. “Discovery” also was the name of the lead ship in George Vancouver’s exploration of the North American west coast. This moniker offered historical significance and represented a positive future direction for the modern-day explorers charting the future of utility service for Clark County.

A graphical identity was also developed to complement the new entity name. Battle Ground staff offered to coordinate design development utilizing the talents of a local graphic design student. Options were reviewed and a design incorporating a water droplet, leaf and fish graphic was selected. The logo concept was created to contain the following elements represented by the new entity:

- **water droplet** – represents clean water; the color is blue for water
- **leaf** – plants require clean water and help create oxygen, a primary element in water; the color is green for a leaf, and for the official wastewater color used in utility locate functions
- **salmon** – a fish represents the need for wildlife to have clean water, and ties into the local rivers protected by the regional wastewater system



The Alliance Board unanimously approved the logo in 2013, which has since become a recognizable representation of the regional agency. The Alliance Board also provided a Certificate of Appreciation to the Battle Ground art student responsible for the winning entry.

The Member agencies continued their collaborative efforts through the development of the Alliance organizational framework. The framework is structured to foster significant interaction among the Alliance Members in all major operational, financial and infrastructure decisions. A summary of key roles and responsibilities is provided below.

- **Board of Directors and Legal Counsel.** The Board of Directors is composed of one elected official from each of the Member agencies to form a four-person policy and oversight body. The Board then selects from among the four appointed Directors to fill positions for Chair, Vice-Chair and Secretary. The Board has selected Foster Garvey to serve as legal counsel to the Alliance. Board responsibilities and functions are further depicted in the IFA and in a separately adopted resolution of Board Rules and Operating Procedures.

A “House” and Senate” voting structure mandates a high level of regional consensus for “Significant Decisions” of the Alliance Board. This structure incorporates two voting mechanisms: (1) majority voting (Directors only) and (2) dual-majority voting (Directors and Treatment



Facilities Allocated Capacity). Routine votes per IFA Section IV.F.4 require only a majority vote of Directors present. Significant Decisions, on the other hand, require “dual majority” approval by both the number of Directors present (the “Senate test”) and the Directors representing the volume of Treatment Facilities Allocated Capacity (the “House test”).

Practically speaking under the current framework, regional consensus among 75% (3 out of 4) is required to form a simple majority for routine votes. 75% is also required to form a dual-majority for Significant Decisions, with the additional requirement that the agency representing the largest customer base (today, the District) must be one of the three approving members (stated another way, the District’s vote is required to meet the “House” portion of the test).

The following decisions related to capital planning for Regional Assets are classified as “Significant Decisions” in the IFA and require a Dual Majority Vote (passing 50% of both the Senate and House tests): the borrowing of money or issuance of Bonds, a change in the ownership of Regional Assets and the adoption of a Capital Budget.

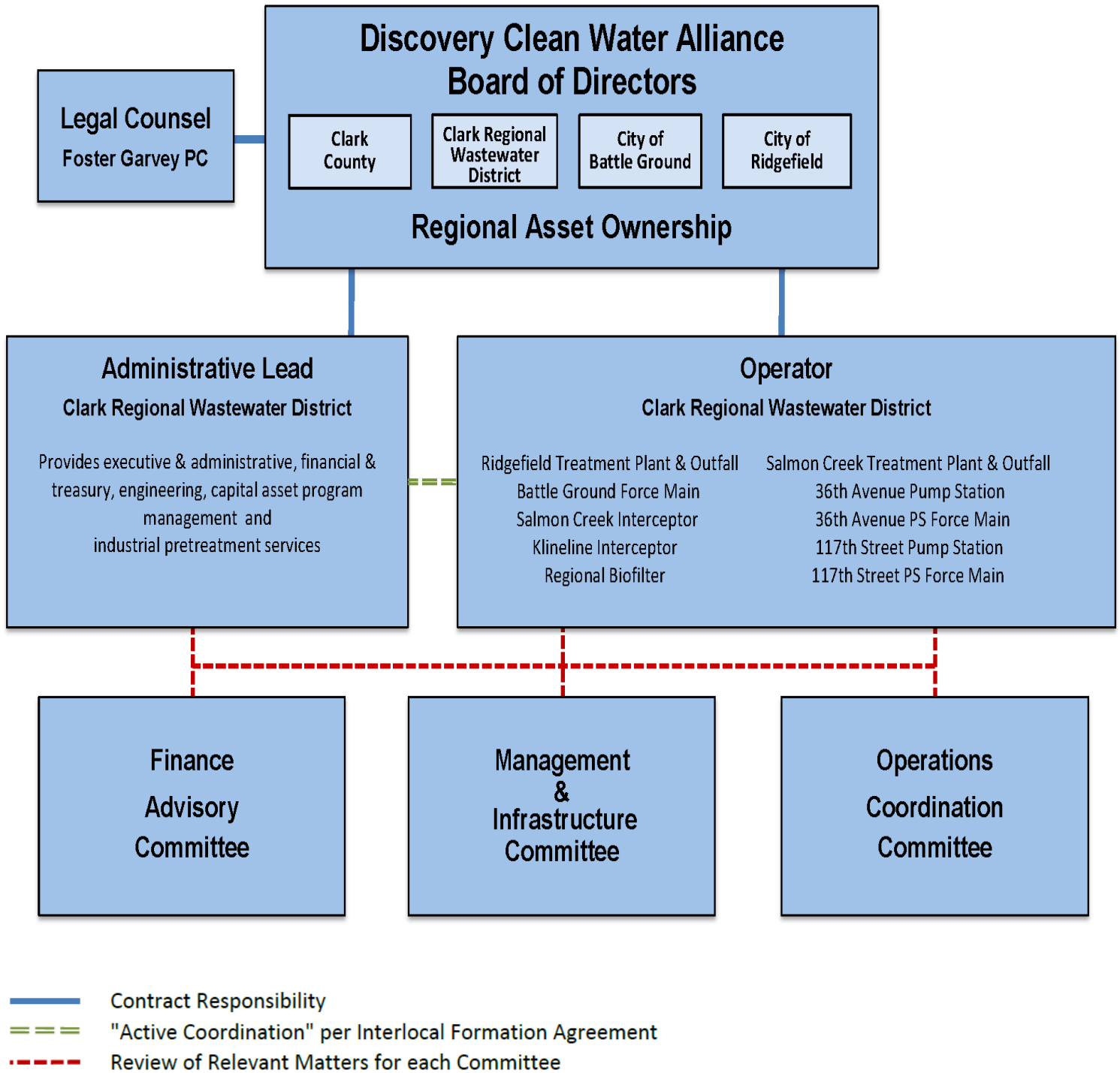
The following decisions related to capital planning for Regional Assets are classified as “Significant Decisions” in the IFA and require a Dual Super-Majority Vote (passing 60% of both the Senate and House tests): the adoption of a Capital Plan (including the allocation of costs pursuant to any such Capital Plan) and a change in Allocated Capacity.

- **Member Service Providers.** The Alliance structure relies on contracts with its Members to deliver the majority of services. Ridgefield and Clark County initially served as Operators for the Alliance at formation. The Ridgefield operational responsibilities were transferred to the District in 2018. Similarly, the Clark County operational responsibilities were transferred to the District in 2022. Today, the District serves as the Operator for all Alliance Regional Assets. The District is separately contracted with the Alliance as Administrative Lead to provide executive, administrative, financial, treasury, engineering, capital program management, and pretreatment services.
- **Standing Committees.** The Alliance has formed three Standing Committees to provide forums for vetting all Alliance issues. The Finance Advisory Committee (FAC) provides for Member input into financial matters for the Alliance. The Management and Infrastructure Committee (MIC) solicits guidance from the Members on management and infrastructure matters for the Alliance. An Operations Coordination Committee (OCC) allows for Member interaction and coordination on operations and maintenance matters for the Alliance.

The interaction among these groups is illustrated in Figure 1.3, Alliance Contractual and Communication Flow Chart. The Member Service Providers (today, the District) share information with the Standing Committees and have direct contractual responsibility to the Board of Directors. Legal Counsel works directly for the Board, also through a contractual relationship.



Figure 1.3 – Alliance Contractual and Communication Flow Chart





1.3 Alliance Core Values/Capital Planning Guiding Principles

As a regional wastewater transmission and treatment utility serving nearly 130,000 citizens today and with the potential to serve a population of 250,000 or more over time, it is critical that the Alliance decision making is aligned with the needs and expectations of the community it serves. In order to provide an appropriate context for Alliance decision making, community-supported core values were determined during the regional business planning process through a statistically valid telephone survey of residents in the Alliance service area.

The results of the survey are presented in the following table of the top ten core values along with the percent of residents indicating that they “agree” or “strongly agree” that these values should guide the formation and operation of the Alliance.



Table 1.1 – Alliance Core Values

Core Values	% Who Agree or Strongly Agree
1. Ensure reliable, predictable service for all customers	89%
2. Manage financial resources in a responsible, efficient, equitable manner	86%
3. Operate utility to protect public and environmental health and safety	82%
4. Optimize the use of existing facilities	80%
5. Maintain financial transparency	79%
6. Use new technology to achieve system efficiency, environmental protection	77%
7. Provide fair, positive, secure work environment for future utility employees	71%
8. Ensure capacity to support regional land use, economic development	71%
9. Invest in capital improvements that create system-wide benefits	67%
10. Make business management decisions collaboratively with all partners	64%



The Alliance core values are applied to the Capital Plan work through the following capital planning guiding principles:

Table 1.2 – Alliance Capital Planning Guiding Principles

Guiding Principles

1. Existing Regional Assets will be maintained in good operating condition through an intentional asset management program.
2. New Regional Assets will be planned and constructed ahead of demand to provide adequate capacity for growth in Member service areas, to comply with emerging regulatory requirements and/or to deliver new levels of service where appropriate.
3. Long-range financial planning to support the capital programs will be provided to the Members for incorporation into local (retail) rate and charge planning.
4. Life cycle cost comparisons, considering both capital and operating costs, will be utilized in alternative comparisons for significant projects. Alternatives will also consider non-cost criteria topics such as regulatory compatibility, public and environmental health outcomes, regional (system-wide) benefits and operational characteristics.
5. Decisions related to the Capital Plan will be fully vetted with the Standing Committees, the Board of Directors and affected stakeholders.

1.4 Purpose and Scope of Capital Plan

The Capital Plan presents the plan for the Alliance to meet its infrastructure obligations to its Members for regional wastewater transmission and treatment services. These services are delivered by maintaining existing Regional Assets and through construction of new Regional Assets. In terms of existing Regional Assets, the Capital Plan will depict the repair and replacement (asset management) work needed to keep the assets in good working order. With respect to new Regional Assets, the Capital Plan will establish the infrastructure investments needed to address system capacity, new regulatory obligations or new level-of-service commitments.

The Capital Plan will present all known infrastructure project needs for the Alliance. These projects will be presented for both near-term and long-term. The specific definition of the term **Capital Plan** from the IFA is provided below, along with other relevant IFA definitions pertaining to capital planning work.

Definitions:

Alliance Operations Date – means the date on which the Board has determined that (1) Regional Assets have been transferred to or for the benefit of the Alliance, (2) outstanding wastewater obligations have been retired, defeased, or transferred as necessary, (3) the Alliance is undertaking responsibility for providing service under this Agreement, (4) the Members receiving service from the Alliance become responsible for paying Regional Service Charges. The Alliance Operations Date is January 1, 2015.



Allocated Capacity – The Maximum Monthly Flow of wastewater that a Member may discharge into the Regional Assets, as described in Exhibit B of the IFA and as supplemented or adjusted in a Capital Plan.

Bonds – Bonds, notes or other evidences of indebtedness issued by the Alliance or by another entity (e.g., by a Member) on behalf of the Alliance.

Capital Plan – One or more long-range capital improvement plans for the addition, replacement or improvement of Regional Assets, including an identification of Regional Assets and the allocation of transmission and treatment capacity as they may be supplemented or adjusted from the initial Regional Assets and allocations described in Exhibit B of the IFA.

Capital Budget – One or more capital budgets adopted in consistence with Section VI.A. of the IFA: A periodic Capital Budget will be prepared by Alliance staff or consultants (or, if there is a separate Administrative Lead, then by the staff of or consultants selected by that entity). Similarly, prior to Board action, comprehensive Capital Plans, including a renewal and replacement fund mechanism, will be periodically prepared by Alliance staff (or, if there is an Administrative Lead, by the staff of that entity in cooperation with staff of any Operator).

Dual Majority Vote – A Board vote requiring the affirmative vote of both (1) the Directors representing more than 50% of the Members, and (2) the Directors representing the Members comprising more than 50% of the Treatment Facilities Allocated Capacity for the year in which the vote is taken, as set forth in the then-current Capital Plan.

Dual Super-Majority Vote – Except as provided in section IV.F.3 of the IFA, a Board vote requiring the affirmative vote of both (1) the Directors representing more than 60% of the Members, and (2) the Directors representing the Members comprising more than 60% of the Treatment Facilities Allocated Capacity for the year in which the vote is taken, as set forth in the then-current Capital Plan.

MGD – Million gallons per day, referring to a rate of flow.

Maximum Monthly Flow or MMF – A measure of flow expressed in MGDs and representing the highest average monthly flow, taking into account the total flow of wastewater discharged into the Regional Assets, measured in millions of gallons for any calendar month divided by the total number of days in that month.

Regional Assets – The assets listed in Exhibit B of the IFA, and such additional assets as the Board may later determine to be Regional Assets under Section VII.B. of the IFA.

Regional Service Charges – Charges for service imposed by the Alliance under Section VI.B of the IFA.

Transmission Infrastructure – Transmission lines, force mains, interceptors, pump stations and other facilities required to transfer wastewater from a Member's collection system to a Treatment Facility.

Treatment Facility or Facilities – Treatment plants, outfalls and other facilities required to treat wastewater.

1.5 Alliance Regional Assets

Based on the 2021 Financial Statements, the Alliance owns, operates and manages 10 Regional Assets with an estimated book value (historical cost less depreciation) of approximately \$116 million. The Regional Assets are depicted in the following Regional Asset Descriptions and Regional Asset Overview Map.



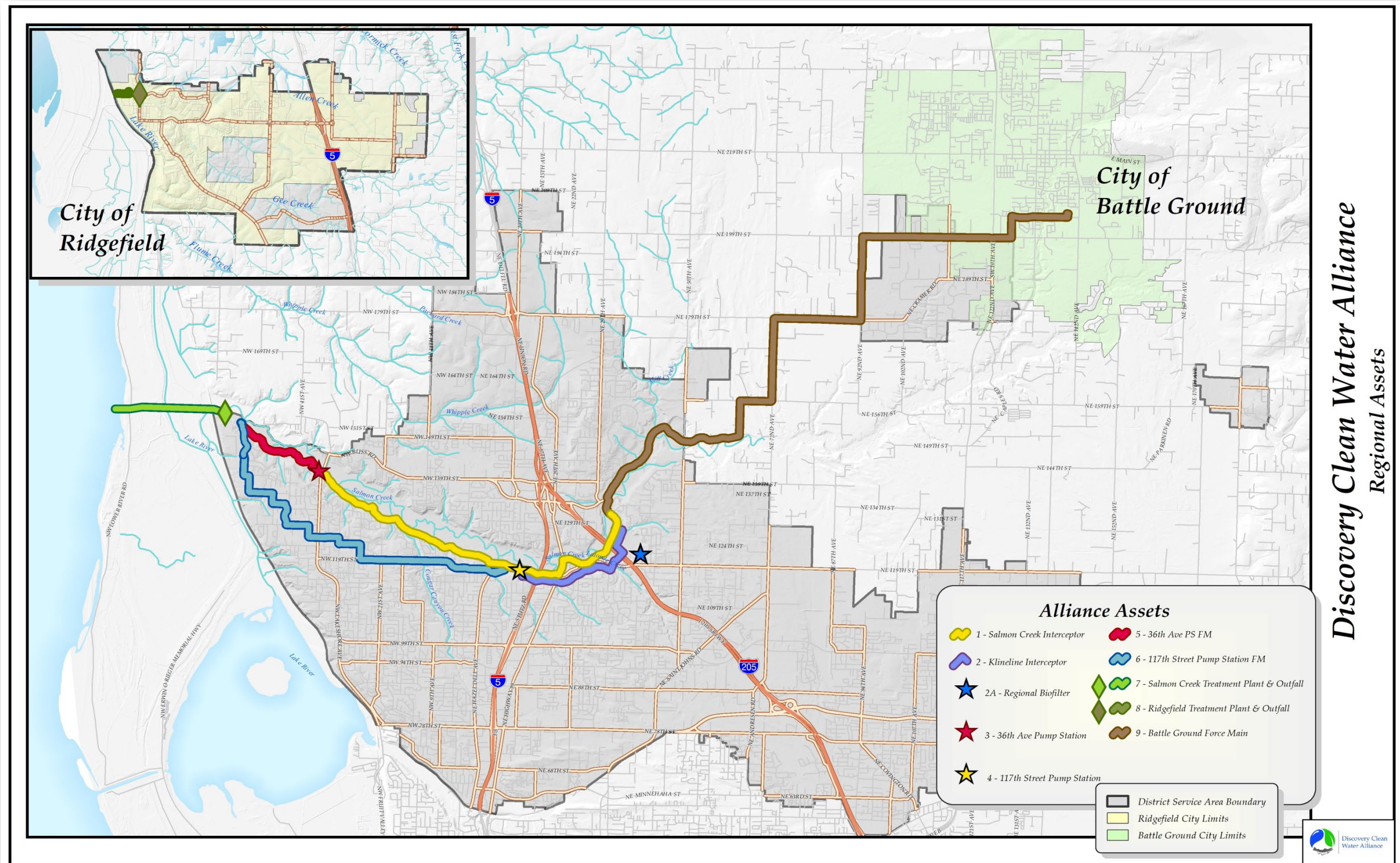
Table 1.3 – Alliance Regional Asset Descriptions

Regional Asset Name	Regional Asset Description
1. Salmon Creek Interceptor	4.6-mile long gravity pipeline located on the south side of the Salmon Creek drainage. The interceptor collects and conveys wastewater from partner agencies to regional pump stations. The pipeline was constructed in segments from the mid to late 1970's (21-42-inch diameter pipe routed from Betts Bridge to 36 Ave).
2. Kline Interceptor	1.8-mile long gravity pipeline located parallel to the Salmon Creek Interceptor. The pipeline was constructed in segments from 2002 to 2006 (48-inch diameter pipe routed from Salmon Creek Ave & NE 127 to 117 St PS).
2A. Regional Biofilter - Kline Interceptor	Regional biofilter directly adjacent to the property located at 12401 NE Salmon Creek Avenue in Vancouver WA. The biofilter was regionally sized to manage odors and control corrosion associated with the discharge of the Battle Ground FM and St. Johns Interceptor into the Kline Interceptor. The biofilter was constructed in 2017-2018.
3. 36 Avenue PS	Raw sewage PS located at 14014 NW 36 Ave in Vancouver, WA. The station pumps wastewater from the Salmon Creek interceptor to SCTP. The pump station was constructed in mid-1970's and remodeled in 1994 and 2005.
4. 117 Street PS (aka Kline PS)	Raw sewage PS located at 1110 NE 117 St in Vancouver, WA. The station pumps wastewater from Salmon Creek and Kline interceptors to SCTP. The pump station was constructed in 2008.
5. 36 Ave PS FM	24-inch diameter FM routed from 36 Ave PS to SCTP. The FM runs approximately 1.4 miles along the south side of the Salmon Creek and discharges to SCTP. The pipeline was constructed in mid-1970's.
6. 117 Street PS FM	Dual 30-inch diameter FM routed from 117 St PS to SCTP. The FM runs approximately 4.9 miles along public rights-of-way to SCTP. The pipeline was constructed in segments from 2004 to 2008.
7. Salmon Creek Treatment Plant & Outfall	Secondary treatment plant originally constructed in the mid 1970's, with four major expansion phases. The plant is located at 15100 NW McCann Rd, in Vancouver, WA. The plant outfall is a 30-inch diameter pipeline routed west of the plant 1.3 miles, terminating in the Columbia River between mile 95 and 96. The discharge location is latitude 46° 43' 58" N, longitude 122° 45' 23" W.
8. Ridgefield Treatment Plant & Outfall	Secondary treatment plant originally constructed in 1959 with several upgrades since then. The plant is located on West Cook St in Ridgefield, WA. The plant outfall is a 10-inch diameter pipeline routed west of the plant 0.2 miles, terminating in Lake River. The discharge location is latitude 45° 49' 18" N, longitude 122° 45' 09" W.
9. Battle Ground FM (including odor control system)	9-mile long 16-inch diameter FM (with bioxide chemical dosing/injection facility) routed southwesterly from Battle Ground PS to Kline interceptor at Salmon Creek Ave. The pipeline was constructed in the early 1990's.





Figure 1.4 – Regional Asset Overview Map







1.6 Governor's 2013 Smart Communities Award

Each of the Alliance Members was recognized by Washington Governor Jay Inslee with a Governor's 2013 Smart Communities Award. The award recognized the value the Alliance provides to its Members and the larger community served by the regional wastewater transmission and treatment system. Following is an excerpt from the official statement provided with the award:



The Governor established these awards to recognize the accomplishments of community leaders to create smart, livable places. The awards are designed to recognize the good work being done in large and small communities across Washington State. The values and priorities of each community shine through each and every one of the projects nominated for these awards.

As Washington works to further strengthen its position in the global economy, the work of the local governments and their partners in creating vibrant, quality communities is vital to our success. The leadership of Discovery Clean Water Alliance's award-winning nomination helps make Washington a great state in which to live and do business.

Discovery Clean Water Alliance, (DCWA) is a partnership between Clark County, Clark Regional Wastewater District, and the Cities of Ridgefield and Battle Ground. DCWA pools the various agencies' resources, funds and talents. By connecting wastewater systems, the partners can meet future service demand without paying for repetitive facilities in each service area.

In summary, at its most fundamental level, the Alliance provides a framework for the Members to jointly own and jointly manage regional wastewater transmission and treatment infrastructure critical to the environmental health and economic well-being of the region. Each Member has a voice and a vote in the decisions made by the Alliance, and together the Members will shape the future of the delivery of this critical urban service for the benefit of the community served.





Discovery Clean
Water Alliance

Staff Report

Board Meeting of March 17, 2023

6b. Board of Directors Officer Elections

STAFF CONTACTS	PHONE	EMAIL
John M. Peterson, P.E., CRWWD General Manager	360-993-8819	jpeterson@crwwd.com

PURPOSE: The Alliance Interlocal Formation Agreement (IFA) and the adopted Board Rules and Operating Procedures (BROP) resolution provides for Directors to serve as Officers of the Alliance under the following framework:

1. The Alliance Board of Directors shall have a Chair, a Vice-Chair and a Secretary, each of whom shall be elected by the Board (per IFA Section IV.C and BROP Section 3.01).
2. The Board Officers are to be elected at the first regular Board meeting of the calendar year, and shall serve for one year (per BROP Section 3.02).

The primary functions of each position are as follows:

- **Chair**. The Chair presides at meetings of the Board, performs all duties incident to the office, and performs other duties as may be determined by resolution of the Board. (BROP Section 3.05).
- **Vice-Chair**. The Vice-Chair performs the duties of the Chair in the absence of the Chair (BROP Section 3.06).
- **Secretary**. The Secretary is responsible for the minutes of and notice for Board proceedings and is the custodian of the corporate records of the Alliance (BROP Section 3.07).

The March 17 meeting is the first Board meeting of 2023. As such, it is appropriate for the Board to appoint three Officers to serve for 2023. A brief history of the elected officials serving as Board officers is illustrated in the following table for reference.

Table 1. History of Alliance Board of Directors Officers

YEAR	CHAIR	VICE-CHAIR	SECRETARY
2023	TBD	TBD	TBD
2022	Bowman/ Battle Ground	Onslow/ Ridgefield	Harker/ Clark Regional
2021	Onslow/ Ridgefield	Harker/ Clark Regional	Olson/ Clark County
2020	Bowman/ Battle Ground	Onslow/ Ridgefield	Olson/ Clark County
2019	Onslow/ Ridgefield	Olson/ Clark County	Phelps/ Battle Ground
2018	Onslow/ Ridgefield	Olson/ Clark County	Phelps/ Battle Ground
2017	Bowman/ Battle Ground	Onslow/ Ridgefield	Olson/ Clark County
2016	Harker/ Clark Regional	Bowman/ Battle Ground	Olson/ Clark County
2015	Mielke/ Clark County	Harker/ Clark Regional	Onslow/ Ridgefield
2014	Onslow/ Ridgefield	Mielke/ Clark County	Kimsey/ Clark Regional
2013	Walters/ Battle Ground	Onslow/ Ridgefield	Kimsey/ Clark Regional

ACTION REQUESTED: Election of the Chair, Vice-Chair and Secretary by motions.



Staff Report

Board Meeting of March 17, 2023

6c-i. Operator Report – Ridgefield Treatment Plant – Fourth Quarter 2022

STAFF CONTACTS	PHONE	EMAIL
Matt Jenkins, Wastewater Operations Manager	360-719-1680	mjenkins@crwwd.com

PURPOSE: This report covers details regarding operations of the Ridgefield Wastewater Treatment Plant (RTP), the Regional Biofilter (Biofilter), the Battle Ground force-main and the Kline Line and Salmon Creek Interceptors through December 31, 2022.

OPERATIONS UPDATE

As seen in the attached table, treatment is being performed at an exceptional level. Kyle Mellinger has done a commendable job operating the RTP through 2022. Staff from Salmon Creek Treatment Plant (SCTP) have been onboarded and training has been completed. Staff are now being rotated into shifts at RTP, providing greater flexibility within the operators' group. The District has also been able to leverage the SCTP maintenance staff for complex and critical repairs at RTP.

Regulatory/Permitting

The Ridgefield Treatment Plant is currently performing well under the applicable permit limits.

DISTRICT OPERATOR ACTIVITIES – RIDGEFIELD TREATMENT PLANT (RTP):

District Operator Repair and Replacement (R&R) Projects:

Plant staff are engaged in operational repair and restoration projects and regular maintenance services at the RTP on an ongoing basis. Table 1 has a summary of the activities contracted through District Operations during the 2021 – 2022 Biennium with project status updates. Following the table is a brief description of each project.

Table 1

Project	Schedule	Status	Expenditures
Aeration Diffuser Replacement, AB1	August, 2021	Complete	\$7,500
Aeration Blower Replacement	July, 2021	Complete	\$10,000
Headworks Concrete Repair	Q1 2022	Complete	\$9,000
UV Lamp Replacement	June, 2021	Complete	\$11,000
Clarifier Drive Rebuild	Q1 2023	Planning	\$75,000
SCADA Server Replacement	Q3 2022	Completed	25,000
Aeration Basin Asphalt Repair	July, 2022	Completed	\$11,000

Ridgefield Treatment Plant – Operator Report
March 17, 2023

Project	Schedule	Status	Expenditures
Prepare and Coat Lower Clarifier Sweep Arm	Q1 2023	Quote Solicited	\$67,000
Replumb Chemical Feed Piping, Protect from UV	Q2 2022	Quote Solicited	\$10,000
Correct Failing Grout on Chemical Containment Structure	June, 2022	Complete	\$9,955
Freeze Hydrant Replacement	May, 2022	Complete	\$5,000
R&R PROJECT EXPENDITURES	\$233,030		

Explanation of Projects:

- Clarifier Drive Rebuild:** The #1 Secondary Clarifier was found to have a failed seal on the lower gearbox. It is unknown to District staff how long it has been since this gearbox was lubricated. The equipment manual has clear instructions on how to remove, rebuild, and replace this gearbox. The District is planning to solicit bids through the MRSC for mechanical contractors to perform this work. Due to Contractor availability work is postponed until Q1 of 2023.
- SCADA Server Replacement:** The Supervisory, Control, and Data Acquisition (SCADA) system at the plant is running all applications on one PC. Industry best practice is to separate the SCADA historian from the primary SCADA server. This provides backup should the database or hardware have issues. This project replaces existing hardware that was inherited from the City of Ridgefield operations and is of unknown age, and also separates the functionality of the system to provide backup capabilities. **-Completed**
- Aeration Basin Asphalt Repair:** During the Alliance condition assessment of the RTP, open voids under the asphalt at the concrete wall of the aeration basin were identified. This project will open the asphalt, add and compact fill, and repave the surface to eliminate the voids. **-Completed**
- Prepare and Coat Lower Clarifier Sweep Arm:** In the summer of 2021, the plant experienced a failure of the chemical feed system that resulted in caustic soda entering the plant drain pump station. To prevent further introduction of chemical to plant process, it was pumped into the offline clarifier until it could be neutralized and disposed of. The clarifier sweep arm is constructed of galvanized steel. The chemical reacted with the galvanic compound stripping the zinc from it and removing its corrosion resistance. This project repairs the damage done to the galvanized steel. Due to vendor availability this project has been postponed to Q1 2023.
- Replumb and Protect Chemical Feed Piping:** In the summer of 2021, the plant experienced a failure of the chemical feed system due to UV damage to the PVC pipe making it brittle. Extreme temperatures caused it to expand and break. This project replaces the UV damaged pipe and adds a protective coating to prevent UV damage in the future. It has been postponed to Q1 of 2023.
- Freeze Hydrant Replacement:** The Ridgefield Treatment Plant has eight hydrants for washing down different process areas. The hydrants are designed to drain the standpipe when the valve is shut to prevent damage from freezing. The mechanical feature that enables this has failed on every hydrant. This project replaces the failed hydrants and will be performed by District staff. **-Completed**

DISTRICT OPERATOR ACTIVITIES – REGIONAL BIOFILTER:

New flex couplings have been ordered by the collections group, and installation will be performed once parts are received. The previous leaks have been patched temporarily.

DISTRICT OPERATOR ACTIVITIES – SALMON CREEK AND KLINE LINE INTERCEPTORS:

No updates.

BATTLE GROUND FORCEMAIN:

District Operator Activities:

Project	Schedule	Status	Expenditures
Odor Canister Installation	In Process	Q4, 2022	\$61,000
R&R PROJECT EXPENDITURES			\$61,000

District collections staff has begun installing odor canisters in identified areas.

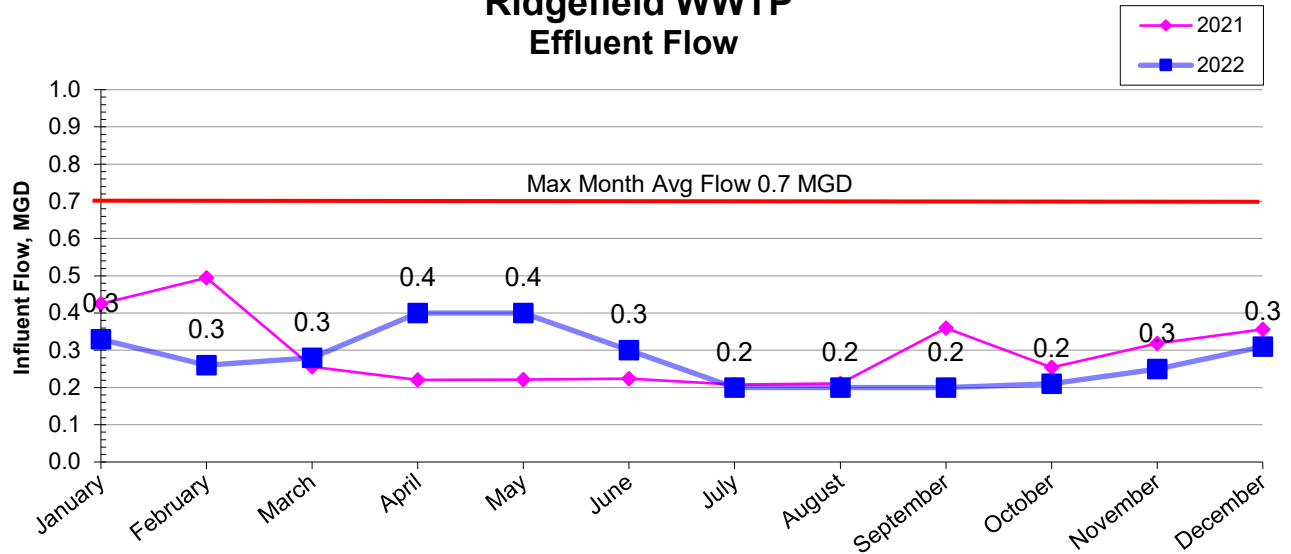
DISTRICT OPERATOR BUDGET – 2021-2022 BIENNIUM

The attached financial documents include the eighth quarter in 2021-2022 Biennium (and fourth quarter 2022) expense summaries for the District operated Alliance assets minus SCTP. The percent budget spent is summarized as follows:

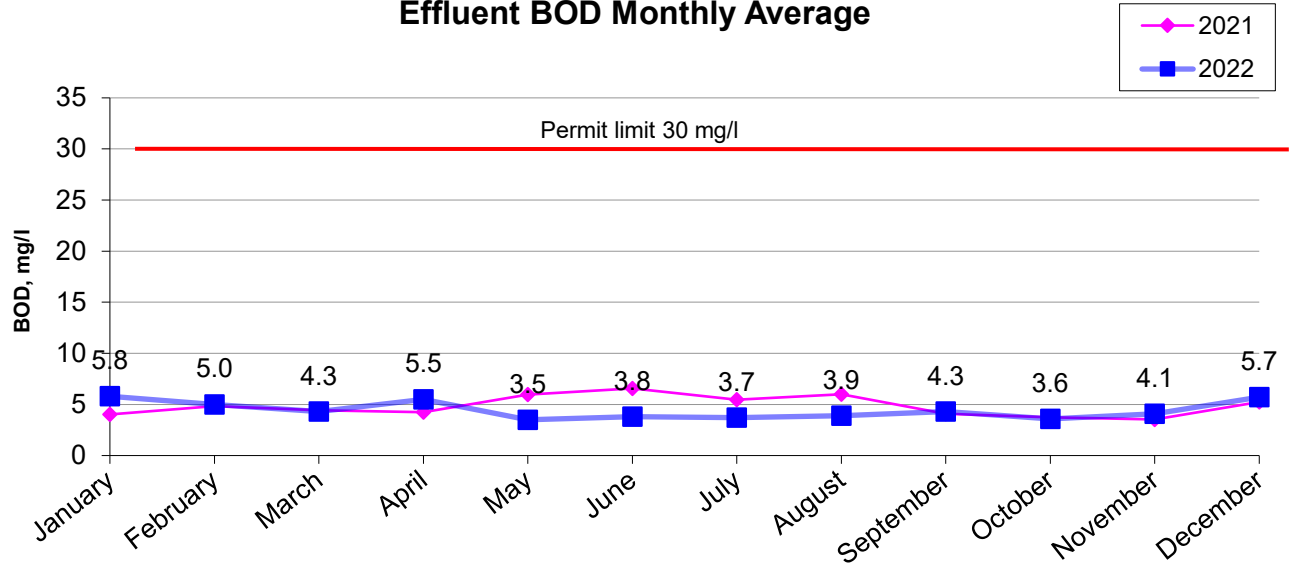
- 65.3% at the 100.0% annual budget point.
- 72.7% at the 100.0% biennial budget point.

ACTION REQUESTED: None, information item.

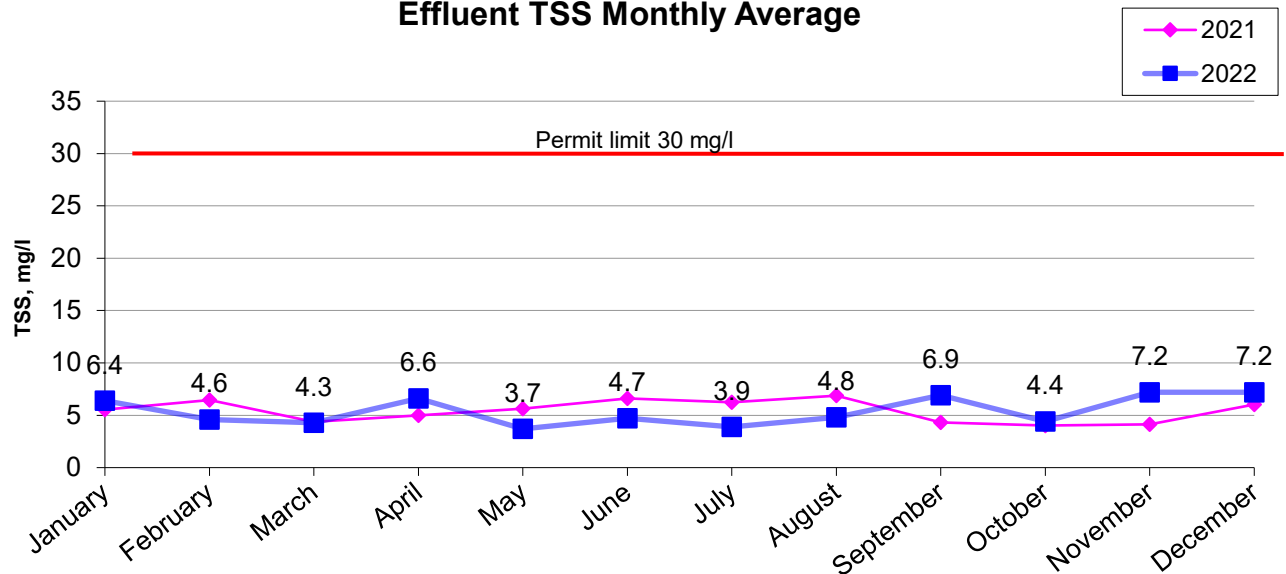
Ridgefield WWTP Effluent Flow



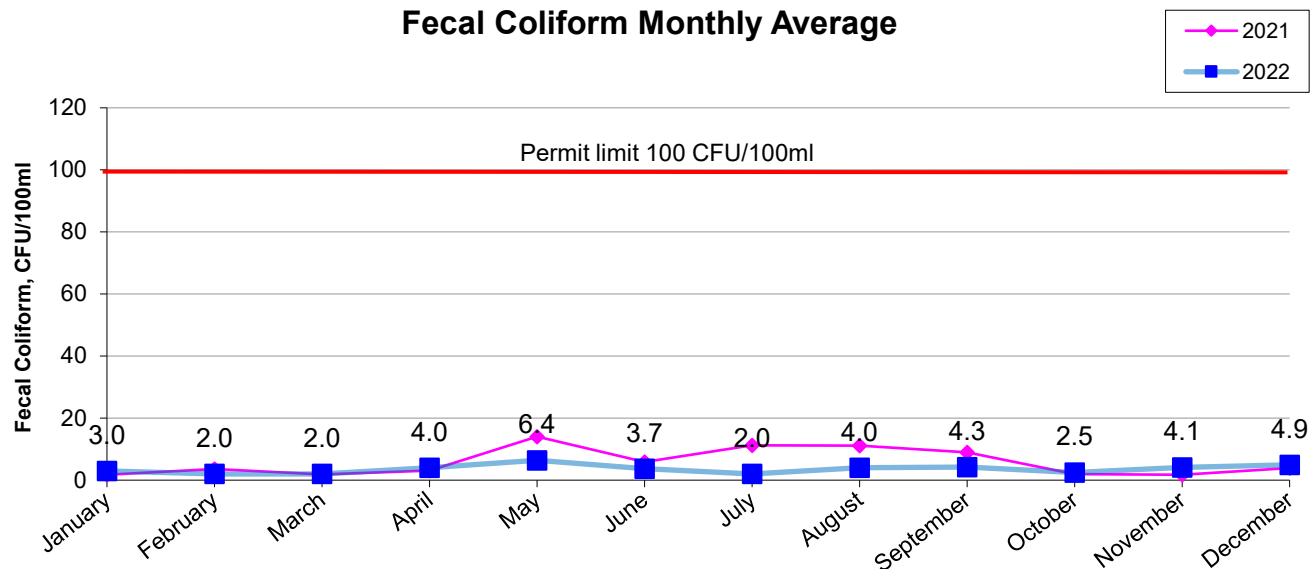
Effluent BOD Monthly Average



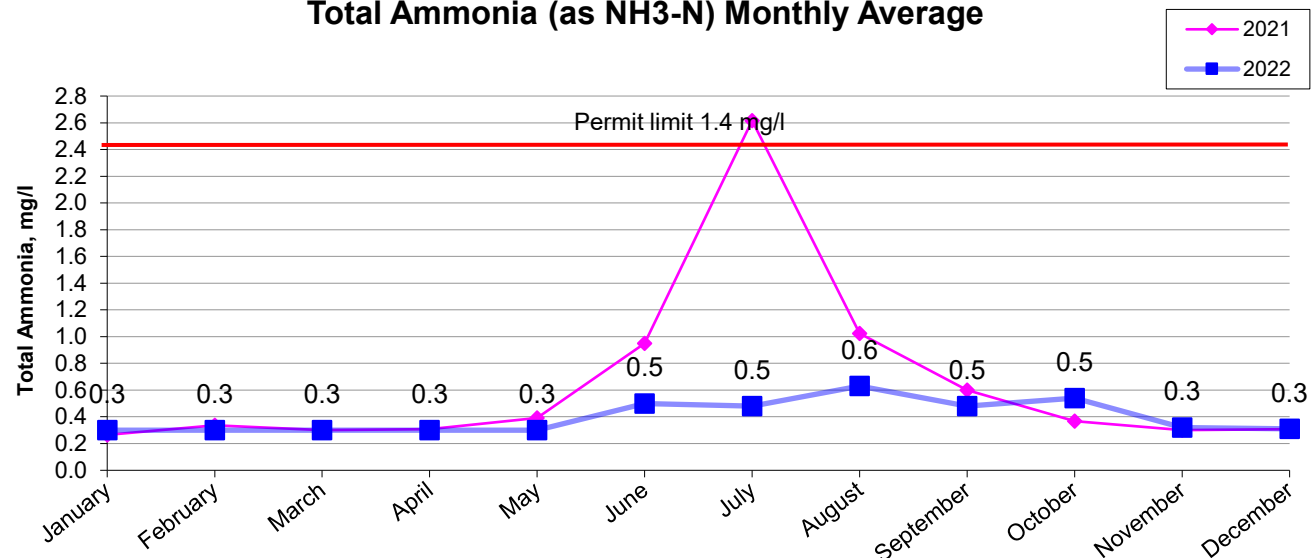
Effluent TSS Monthly Average



Fecal Coliform Monthly Average



Total Ammonia (as NH₃-N) Monthly Average



	Effluent MGD		Effluent BOD ₅ Monthly average, mg/l		Effluent TSS Monthly average, mg/l		Fecal Coliform Monthly average, CFU/100ml		Total Ammonia Monthly average, mg/l	
	2021	2022	2021	2022	2021	2022	2021	2022	2021	2022
January	0.4	0.3	4.0	5.8	5.5	6.4	1.7	3.0	0.3	0.3
February	0.5	0.3	4.8	5.0	6.5	4.6	3.6	2.0	0.3	0.3
March	0.3	0.3	4.4	4.3	4.4	4.3	1.8	2.0	0.3	0.3
April	0.2	0.4	4.2	5.5	5.0	6.6	3.1	4.0	0.3	0.3
May	0.2	0.4	6.0	3.5	5.6	3.7	14.0	6.4	0.4	0.3
June	0.2	0.3	6.6	3.8	6.6	4.7	5.9	3.7	1.0	0.5
July	0.2	0.2	5.5	3.7	6.2	3.9	11.2	2.0	2.6	0.5
August	0.2	0.2	6.0	3.9	6.9	4.8	11.2	4.0	1.0	0.6
September	0.4	0.2	4.1	4.3	4.3	6.9	9.0	4.3	0.6	0.5
October	0.3	0.2	3.7	3.6	4.0	4.4	2.0	2.5	0.4	0.5
November	0.3	0.3	3.5	4.1	4.1	7.2	1.8	4.1	0.3	0.3
December	0.4	0.3	5.2	5.7	6.0	7.2	4.0	4.9	0.3	0.3

BOD₅ = Biochemical Oxygen Demand (5-Day)

TSS = Total Suspended Solids

District Operator
Ridgefield Wastewater Treatment Plant / Regional Biofilter
Fourth Quarter 2022 Annual Operator Budget and Expense Summary

	Budget	% Budget Term	Actual Expenses	% Spent	Remaining Budget
Salaries and Benefits	\$ 358,500	100.0%	\$ 253,691	70.8%	\$ 104,809
Supplies	\$ 42,500	100.0%	\$ 36,746	86.5%	\$ 5,754
Utilities	\$ 47,500	100.0%	\$ 37,368	78.7%	\$ 10,132
Operations and Maintenance	\$ 30,500	100.0%	\$ 27,697	90.8%	\$ 2,803
Professional Services	\$ 52,500	100.0%	\$ 53,157	101.3%	\$ (657)
Intergovernmental	\$ 169,000	100.0%	\$ 105,766	62.6%	\$ 63,234
Capital Outlays	\$ 53,500	100.0%	\$ 20,127	37.6%	\$ 33,373
RTP Total	\$ 754,000	100.0%	\$ 534,552	70.9%	\$ 219,448
BGFM Operations	\$ 87,000	100.0%	\$ 10,511	12.1%	\$ 76,489
RB Operations	\$ 7,500	100.0%	\$ 7,500	100.0%	\$ -
SCI/KI Operations	\$ 5,500	100.0%	\$ 5,500	100.0%	\$ -
Operator Total	\$ 854,000	100.0%	\$ 558,064	65.3%	\$ 295,936

District Operator
Ridgefield Wastewater Treatment Plant / Regional Biofilter
Eighth Quarter 2021-2022 Biennial Operator Budget and Expense Summary

	Budget	% Budget Term	Actual Expenses	% Spent	Remaining Budget
Salaries and Benefits	\$ 717,000	100.0%	\$ 581,071	81.0%	\$ 135,929
Supplies	\$ 85,000	100.0%	\$ 64,996	76.5%	\$ 20,004
Utilities	\$ 95,000	100.0%	\$ 76,461	80.5%	\$ 18,539
Operations and Maintenance	\$ 61,000	100.0%	\$ 66,025	108.2%	\$ (5,025)
Professional Services	\$ 105,000	100.0%	\$ 117,707	112.1%	\$ (12,707)
Intergovernmental	\$ 338,000	100.0%	\$ 255,610	75.6%	\$ 82,390
Capital Outlays	\$ 107,000	100.0%	\$ 37,901	35.4%	\$ 69,099
RTP Total	\$ 1,508,000	100.0%	\$ 1,199,771	79.6%	\$ 308,229
BGFM Operations	\$ 174,000	100.0%	\$ 15,329	8.8%	\$ 158,671
RB Operations	\$ 15,000	100.0%	\$ 15,000	100.0%	\$ -
SCI/KI Operations	\$ 11,000	100.0%	\$ 11,000	100.0%	\$ -
Operator Total	\$ 1,708,000	100.0%	\$ 1,241,101	72.7%	\$ 466,899



Staff Report

Board Meeting of March 17, 2023

6c-ii. Operator Report – Salmon Creek Treatment Plant - Fourth Quarter 2022

STAFF CONTACTS	PHONE	EMAIL
Matt Jenkins, Wastewater Operations Manager	360-719-1680	mjenkins@crwwd.com

PURPOSE: This report covers the Salmon Creek Wastewater Treatment Plant, 36th Avenue Pump Station, and 117th Street Pump Station operations through December 31, 2022. Below is a summary of the operational activities contracted through Clark Regional Wastewater District, followed by Operator R&R project updates. Status regarding capital projects is provided at this meeting under a separate report.

OPERATIONS UPDATE

The facility transition has been completed, and all open positions are now currently filled. Staff are now focused on training, SOP development, plant optimization, and site cleanup.

Staff

During Q4 of 2022 the Administrative Assistant 4, Operations Supervisor, and Operator 1 positions have been filled, which now has SCTP fully staffed.

Regulatory/Permitting

The Salmon Creek Treatment Plant is currently performing well under the applicable NPDES permit limits. As seen in the attached table, treatment is being performed at an exceptional level.

Equipment/Maintenance

The Maintenance Staff continue to work through issues with one of the gravity belt thickeners, and are also repairing Secondary Clarifier #1. On demand failures have dramatically decreased over the last quarter and maintenance is able to now focus on preventative measures and projects.

Operational Changes/Issues

Due to a head gasket failure during load testing of the NW 36th Avenue Pump Station emergency generator, the generator has been out of service and supplemented by a portable rental generator. Repair of the main generator will start during the month of March 2023. Staff is also looking into adding new impellers and cutters to pumps #4 and #5 at 117th Street Pump Station.

Operator Repair and Replacement Projects:

Operations and Maintenance Lead staff have continued coordinating with Robin Krause, Matt Jenkins, John Brown, and Connie Pekarek to update the prioritized list of maintenance activities required at the plant. This list has been used to identify high priority repair projects to focus staff

efforts and coordinate District staff support. In addition to several smaller projects, the following notes more significant efforts:

- **Solids Air Compressors:** Staff found a failed air tank on compressor #2. Due to the tank being a pressure vessel staff could not perform in-house repairs and a new tank is on order.
- **Secondary Clarifier # 1:** This unit has been offline for 10 years and will be key for capacity during Phase the 5BP2 capital project. The SCTP maintenance team has met with the vendor and is currently rebuilding the unit.
- **Gravity Belt Thickener:** Maintenance staff have modified and repaired a worn alignment roller and bearings on GBT#2. New hydraulic tensioning rams are currently on order.

BUDGET STATUS SUMMARY

The attached financial documents include the eighth quarter in 2021-2022 Biennium (and fourth quarter 2022) expense summaries for the Salmon Creek Treatment Plant which include a combination of Clark County costs through the 4th quarter, District Costs, and one-time events such as maintenance to critical equipment, and the correction of deferred maintenance. The percent budget spent is summarized as follows:

- 111.8% at the 100.0% annual budget point.
- 99.9% at the 100.0% biennial budget point.

The annual budget variance is explained as follows:

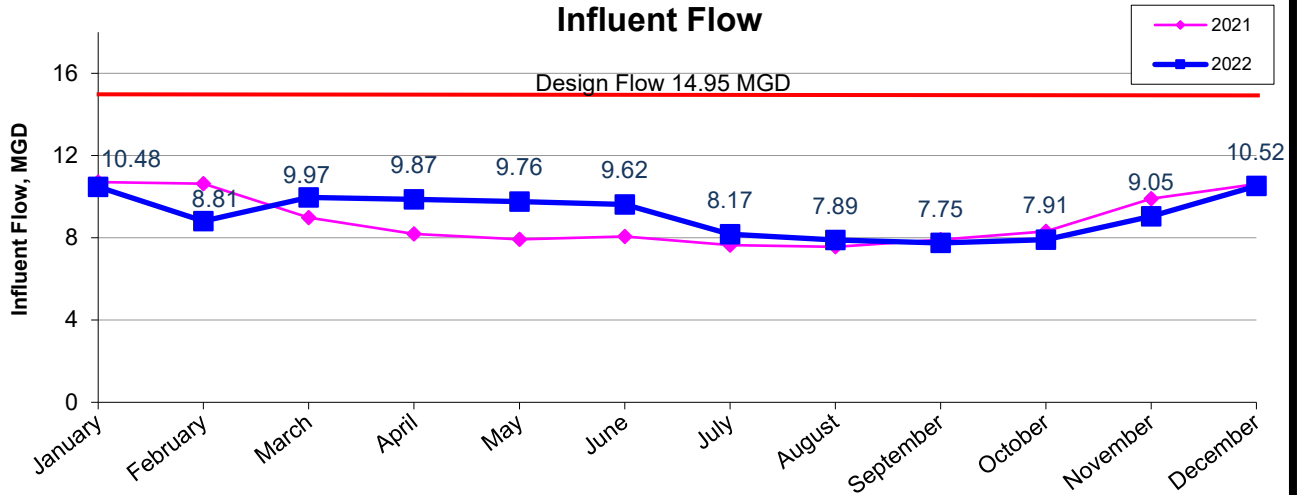
- Clark County Indirect Costs (\$354k): Clark County's Central Service Cost Allocation Plan is backward-looking, meaning that the indirect costs budgeted for 2022 represent actual recoverable costs from 2020. To recover costs from 2021 that otherwise would have been recovered in 2023 had the County remained operator, those costs needed to be charged in the 2021-2022 biennium, leading to Indirect Costs being over budget by \$354k.
- Five critical systems have experienced several failures during Q1 and Q2 of 2022. The expense of these repairs, along with other deferred maintenance items, has increased the percent of budget spent for both the annual and biennial budgets.
- Timing: Many of the District's expenses were front-loaded during the tenure as SCTP Operator. These expense categories are not expected to exceed budget through the end of the biennium.

The District anticipated ending 2022 in line with the 2021-2022 biennial budget which is reflected in the above numbers.

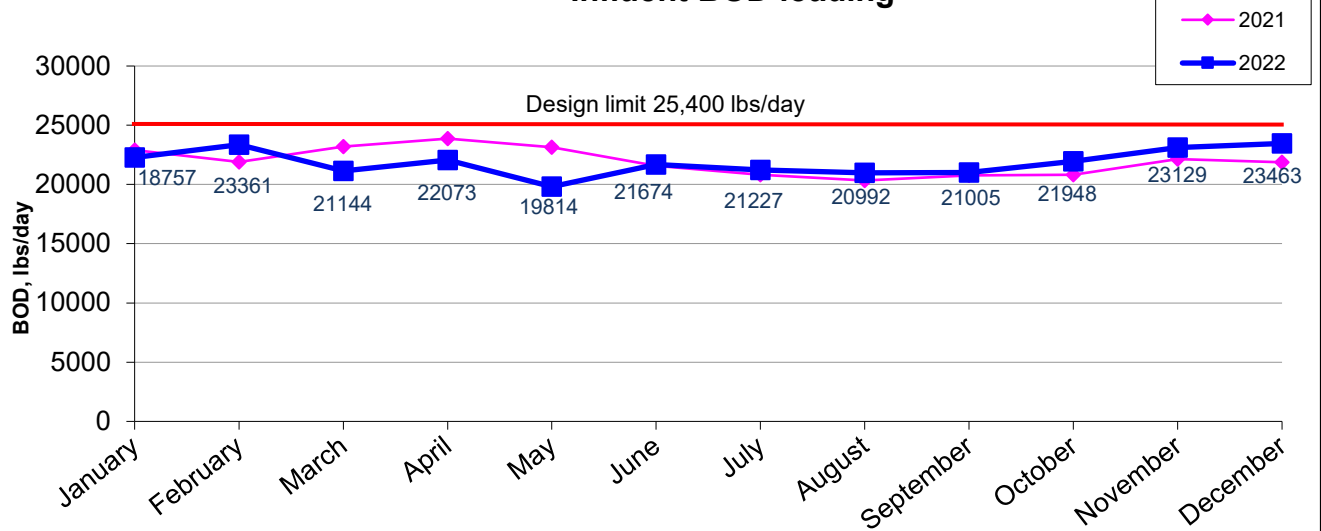
ACTION REQUESTED: None, information item.

Salmon Creek WWTP

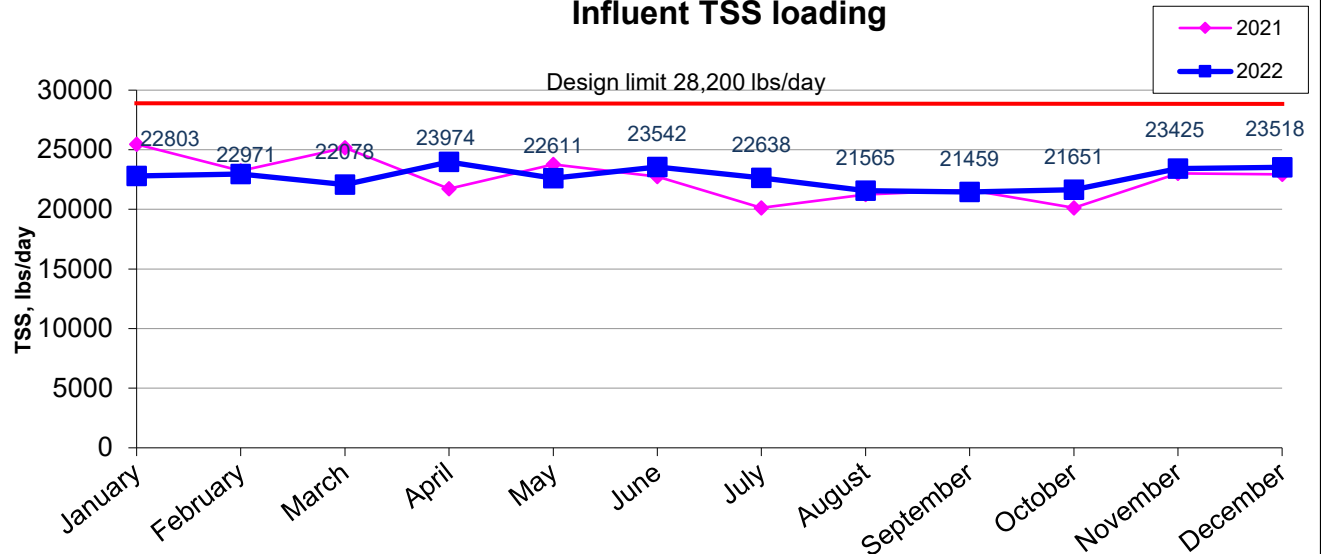
Influent Flow

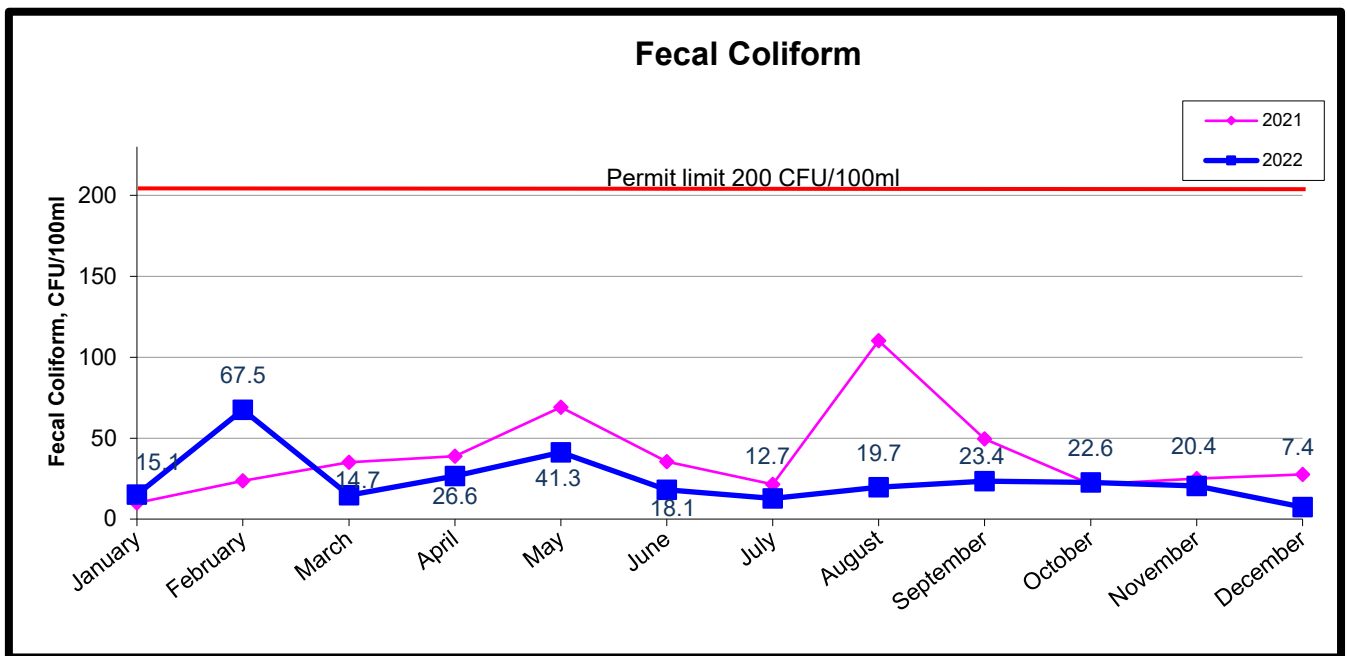


Influent BOD loading



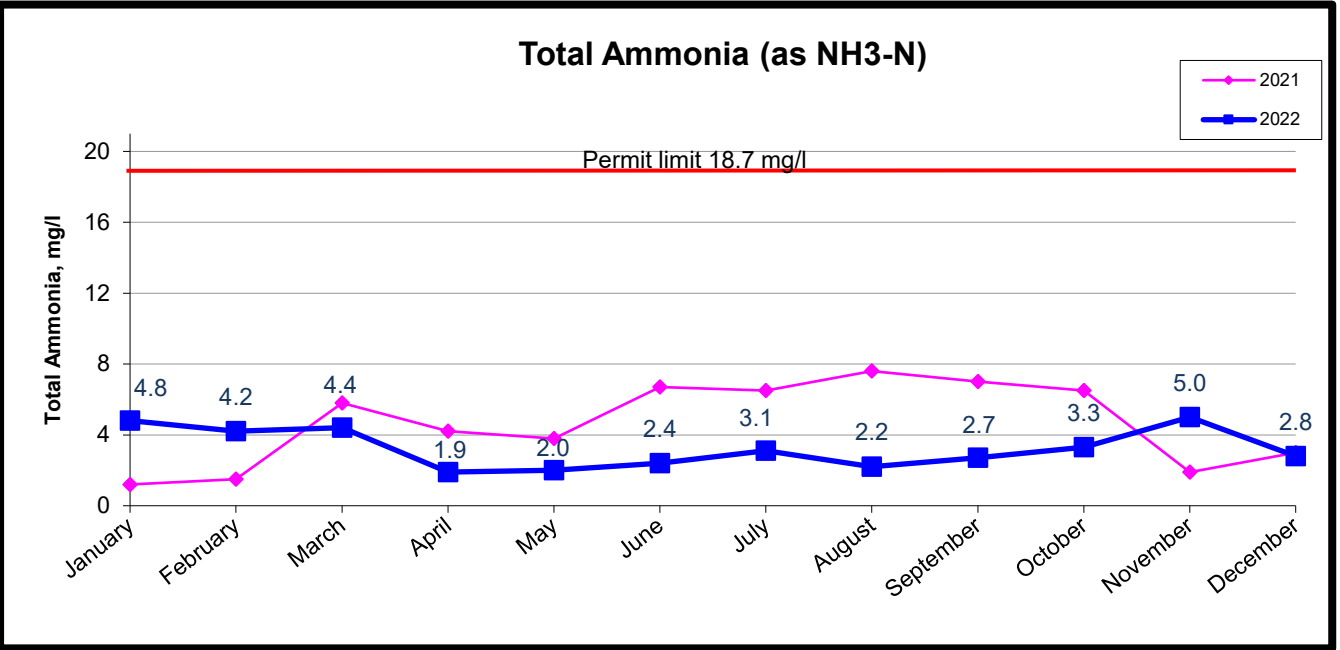
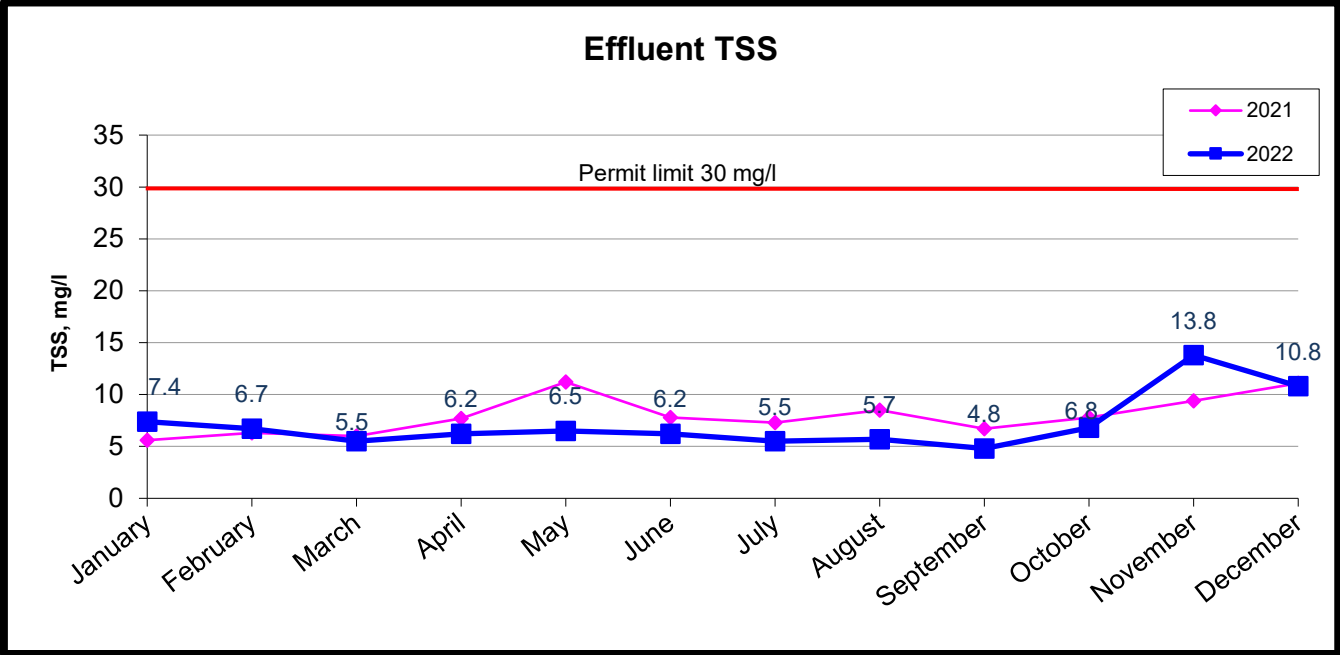
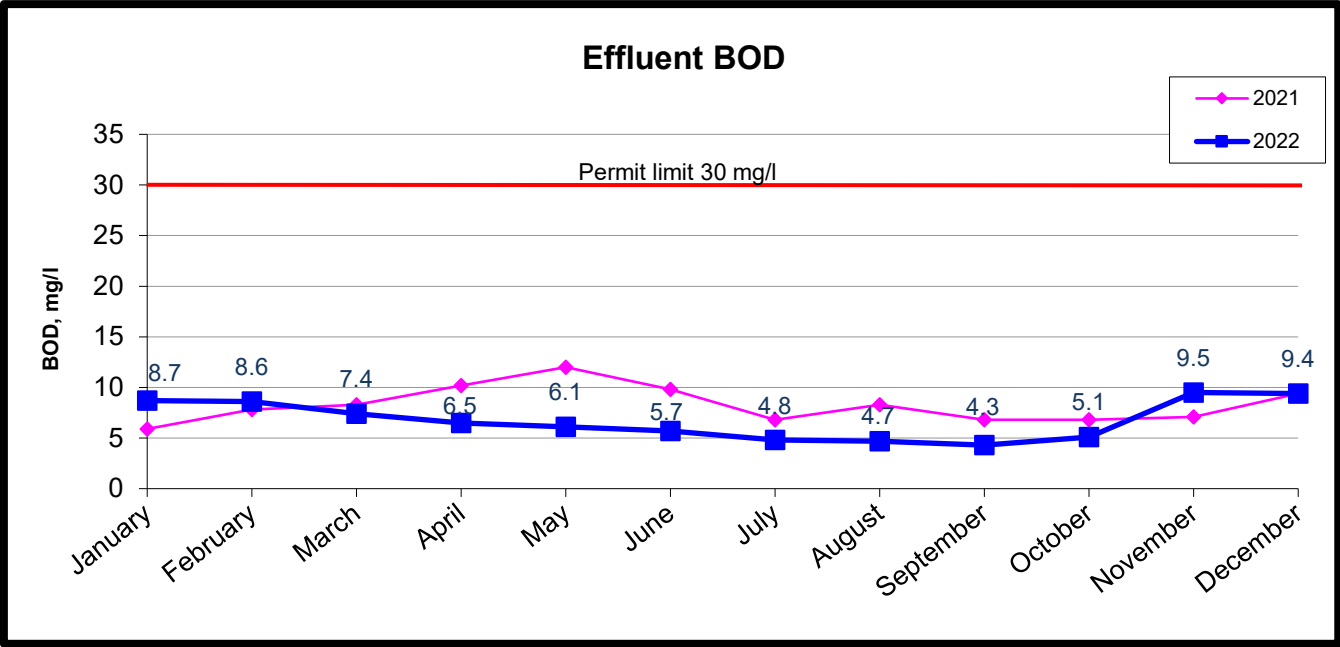
Influent TSS loading





	Influent Flow, MGD		Influent BOD ₅ Monthly average, lbs/day		Influent TSS Monthly average, lbs/day		Effluent BOD ₅ Monthly average, mg/l	
	2021	2022	2021	2022	2021	2022	2021	2022
January	10.71	10.48	22912	22277	25461	22803	5.9	8.7
February	10.63	8.81	21890	23361	23242	22971	7.8	8.6
March	8.98	9.97	23205	21144	25173	22078	8.3	7.4
April	8.19	9.87	23873	22073	21734	23974	10.2	6.5
May	7.93	9.76	23149	19814	23767	22611	12.0	6.1
June	8.06	9.62	21566	21674	22750	23542	9.8	5.7
July	7.64	8.17	20827	21227	20130	22638	6.8	4.8
August	7.56	7.89	20338	20992	21250	21565	8.3	4.7
September	7.91	7.75	20760	21005	21615	21459	6.8	4.3
October	8.31	7.91	20827	21948	20130	21651	6.8	5.1
November	9.90	9.05	22158	23129	23007	23425	7.1	9.5
December	10.61	10.52	21865	23463	22930	23518	9.4	9.4

	Effluent TSS Monthly average, mg/l		Fecal Coliform Monthly average, CFU/100ml		Total Ammonia Monthly average, mg/l	
	2021	2022	2021	2022	2021	2022
January	5.6	7.4	10.0	15.1	1.2	4.8
February	6.3	6.7	23.7	67.5	1.5	4.2
March	6.0	5.5	35.0	14.7	5.8	4.4
April	7.7	6.2	38.9	26.6	4.2	1.9
May	11.2	6.5	69.0	41.3	3.8	2.0
June	7.8	6.2	35.5	18.1	6.7	2.4
July	7.3	5.5	21.4	12.7	6.5	3.1
August	8.5	5.7	110.2	19.7	7.6	2.2
September	6.7	4.8	49.6	23.4	7.0	2.7
October	7.8	6.8	21.4	22.6	6.5	3.3
November	9.4	13.8	25.1	20.4	1.9	5.0
December	11.1	10.8	27.5	7.4	3.0	2.8



District Operator
Salmon Creek Wastewater Treatment Plant
Fourth Quarter 2022 Annual Operator Budget and Expense Summary

	Budget	% Budget Term	Actual Expenses	% Spent	Remaining Budget
Salaries and Benefits	\$ 1,714,500	100.0%	\$ 2,008,850	117.2%	\$ (294,350)
Supplies	\$ 700,000	100.0%	\$ 901,851	128.8%	\$ (201,851)
Utilities	\$ 230,250	100.0%	\$ 99,299	43.1%	\$ 130,951
Operations and Maintenance	\$ 47,500	100.0%	\$ 675,792	1422.7%	\$ (628,292)
Professional Services	\$ 1,746,500	100.0%	\$ 1,499,490	85.9%	\$ 247,010
Other Expenses	\$ 369,500	100.0%	\$ 271,916	73.6%	\$ 97,584
Capital Outlays	\$ 101,000	100.0%	\$ 31,088	30.8%	\$ 69,912
SCTP Operator Total	\$ 4,909,250	100.0%	\$ 5,488,286	111.8%	\$ (579,036)

District Operator
Salmon Creek Wastewater Treatment Plant / Regional Biofilter
Eighth Quarter 2021-2022 Biennial Operator Budget and Expense Summary

	Budget	% Budget Term	Actual Expenses	% Spent	Remaining Budget
Salaries and Benefits	\$ 3,429,000	100.0%	\$ 3,578,211	104.4%	\$ (149,211)
Supplies	\$ 1,400,000	100.0%	\$ 1,557,629	111.3%	\$ (157,629)
Utilities	\$ 460,500	100.0%	\$ 400,282	86.9%	\$ 60,218
Operations and Maintenance	\$ 95,000	100.0%	\$ 756,255	796.1%	\$ (661,255)
Professional Services	\$ 3,493,000	100.0%	\$ 2,602,976	74.5%	\$ 890,024
Other Expenses	\$ 739,000	100.0%	\$ 773,283	104.6%	\$ (34,283)
Capital Outlays	\$ 202,000	100.0%	\$ 139,617	69.1%	\$ 62,383
SCTP Operator Total	\$ 9,818,500	100.0%	\$ 9,808,253	99.9%	\$ 10,247



Discovery Clean
Water Alliance

Staff Report

Board Meeting of March 17, 2023

6d. Capital Program Report – Fourth Quarter 2022

STAFF CONTACTS	PHONE	EMAIL
Robin Krause, P.E., Principal Engineer	360-719-1653	rkrause@crwwd.com

PURPOSE: This staff report provides an update on the ongoing capital program and capital project activities for the Regional Assets (RAs). The capital program and capital project responsibilities are assigned to Members according to the following three elements:

Period	Capital Program and Capital Project Responsibility	SCTP & Outfall and Pump Stations, RAs 3-7	Gravity Interceptors, RTP & Outfall, and Battle Ground Force Main, RAs 1-2 and 8-9
2021-2022 Alliance Full Operations	1. Overall Capital Program – Administrative Lead/ Members	District/Members	District/Members
	2. Capital projects less than \$64,000 – Operators	Clark County (transitioning to District in Q3)	District
	3. Capital projects greater than \$64,000 – Administrative Lead	District	District

Following is a summary of ongoing activities for each of these elements:

- Overall Capital Program.** The 2020 Alliance Capital Plan was adopted at the December 2020 Board meeting based on all known needs at that time. The District is charged with tracking project needs that may result in future capital projects. Projects arise from the regulatory environment, from Regional Asset condition assessments initiated through a developing asset management program or because of capacity-related needs. The Members evaluate new projects for incorporation in the next Capital Plan or implementation within contingency funding provided in the current capital and operating budgets.

2022 Capital Plan Development

The 2022 Capital Plan was adopted on December 16, 2022. Staff are beginning work on the 2024 Capital Plan Q12023. The initial work will focus on developing a revised process to incorporate detailed condition assessment work completed in 2022.

2. **Capital Projects Less Than \$64,000.** The adopted Operating Budget includes funding for repair and replacement projects to be completed by the Operators. The Operators will continue to report on their respective capital project work elements as part of the quarterly Operator reports.
3. **Capital Projects Greater Than \$64,000.** A Capital Program Summary status report for the District-led capital projects included in the 2021-2022 budget period is attached for the Board's information (Attachment A). This report reflects the 2021-2022 biennium Capital Improvement Project (CIP) Program work, Repair and Replacement (R&R) Program work, and R&R Allowance work.

Projects in Construction

Projects that are currently under construction include:

- **Salmon Creek Treatment Plant Phase 5A Project: Package 1 – Columbia River Outfall:** Physical work initially began on September 13, 2021 and is now complete. The dilution study that documents the performance of the new diffuser was completed in January, and the final report will be submitted to Ecology in March.
- **SCTP Phase 5A: Package 2 – Columbia River Effluent Pipeline:** The project was awarded on March 29. The Contractor is currently installing the 60" steel casing (to house the 48" outfall pipe) under the BNSF railway. The Contractor has encountered unexpected soil conditions that have caused delays and additional costs. Staff are currently working with the Contractor and engineers to address the challenges and minimize additional costs. The total costs are not yet known, but are currently estimated to be in the range of \$0.75-1.5M.
- **SCTP Phase 5B: Package 2 – Secondary Treatment Process Improvements:** Construction began in late August and will continue through early 2025. The Contractor is currently constructing Secondary Clarifier 5 and installing the associated piping.
- **2022 Salmon Creek Treatment Plant Restoration and Repair Projects** (Control System Network Separation, Camera Upgrades, Fire Alarm System Replacement, Intrusion Detection, Fire Pump Controller Replacement): The project was awarded on March 22. Physical work began in May, and work was delayed due to material availability. Jacobs has installed the new servers and network components. The fire alarm system, intrusion, and cameras will be installed in 2023. The fire pump controller work is complete.
- **Completed Projects:**
 - **Salmon Creek Treatment Plant Phase 5B Project: Package 1 – Odor Control and Existing Facilities Improvements**
 - **Ridgefield Treatment Plant Odor Control**
 - **Salmon Creek Treatment Plant Blower 3 and 4 Emergency Repair**
 - **Fire Pump Controller Replacement**

Projects in Design

Projects that are currently in design include:

- **SCTP SCADA System Replacement.** The new SCADA system will be deployed incrementally beginning in March 2023 and be fully implemented by the end of May. Implementation was impacted by the Control System Network Separation project due to supply chain delays.

- **SCTP Primary Sludge Pump Replacement.** Staff are currently reviewing a detailed technical memo that provides the basis for design and recommended pump type. Final design work will begin this spring in anticipation of 2024 construction.
- **RTP PLC Replacement.** Staff are finalizing the design contract for design and implementation. The PLC and other components will be ordered in December due to lead times and to avoid cost increases.
- **36th Avenue Pump Station Controls Replacement.** Staff are finalizing the design contract for design and implementation. Similar to the RTP project, the PLC and other components will be ordered in December due to lead times and to avoid cost increases.
- **Building Systems R&R Program.** Staff are developing the scope of work for the specific projects to be completed in 2023/2024.
- **SCTP Primary Clarifier Mechanism Replacements.** Parts required to replace the existing mechanisms are a sole source. Staff are developing the documentation and acquiring quotes from the vendor. Staff plan to self-perform the installation summer of 2023.
- **SCTP Sludge Blend Tank Slope Stabilization.** A geotechnical evaluation is being scheduled to develop a preferred alternative to address the drainage and soft soils on the slope adjacent to the sludge blend tank.
- **SCTP Dewatering Equipment Replacement.** Staff are planning additional testing of the digested sludge to better determine dewatering characteristics. Sampling, testing, and the Engineering Report are planned for completion in 1Q 2023.
- **SCTP Digester Gas Booster.** Additional analysis is being completed on the digester gas system to confirm operational parameters for the gas booster, boilers, and waste gas burner. This additional work is due to operational challenges associated with the three components of the digester gas train.
- **SCTP Chemically Enhanced Primary Treatment (CEPT).** The pilot test plan is nearly complete and will be submitted to Ecology in March. The pilot testing will occur during wet weather flows in 2023/2024.
- **RTP Secondary Treatment Process Improvements.** An Engineering Report is currently in development to address a two phased approach for capacity. The first phase addresses the current capacity of 0.7 MGD max month in regard to plant loading. The second phase would allow for a modest capacity increase to 0.9 MGD. The change in approach may push physical improvements to 2024.
- **SCTP UV System Replacement.** Staff is developing a design consultant service contract to begin preliminary design work. This project is currently scheduled for construction during Phase 6 improvements but may be advanced if budget is available.

Projects in Planning

No additional projects are currently in the planning phase.


R&R Allowance

Staff continues to assess Regional Asset operations on an ongoing basis to recognize and address needs not identified in the currently adopted budget. An R&R Allowance is established for the 2021-2022 biennium budget period to fund these projects. Staff used a portion of the allowance to fund the emergency blower repair described above that was not covered by insurance. Additional funds are being used to replace the aged workstations at the SCTP and installing a new operations control console.

4. **Parcel Adjacent to Salmon Creek Treatment Plant.** The purchase of the 1.2-acre lot in the immediate vicinity of the Salmon Creek Treatment Plant was completed in April 2020. District staff is working to understand options for a property transfer with the neighborhood association that would provide more useable property for plant development and still prevent any long-term development of the existing parcel.

ACTION REQUESTED: Information and discussion on the current Alliance capital project work activities.

Attachment A

 Discovery Clean Water Alliance						TOTAL PROJECT COST ADOPTED (March 2022 Amendment)	TOTAL PROJECT COST CURRENT ESTIMATE	CURRENT ESTIMATE BASIS	SPENT PRIOR YEARS	2021-2022 BUDGET ADOPTED (March 2022 Amendment)	2021-2022 SPENT	2021-2022 BUDGET CURRENT ESTIMATE	COST TO COMPLETE FUTURE YEARS	2021-2022 Capital Program Summary Fourth Quarter 2022 Update	
PROJECT	PROJECT NAME	DESCRIPTION	TEAM	PROJECT NO.	STATUS										Status
Capital Improvement Projects															
1	Phase 5A Columbia River Outfall and Effluent Pipeline	Replacement of existing effluent pipeline and Columbia River outfall. Project extents include corridor between SCTP and Columbia River.	Krause/Sanguinetti, Jacobs, AAC (P1)	92-2015-0023	Const P1 Bid P2	\$32,000	\$39,000	Const. P1 Design P2	\$5,578	\$17,926	\$13,394	\$13,394	\$20,028	Project has been split into two packages (1-Outfall and 2-Effluent Pipeline). Package 1 construction was complete by the end of the year and Package 2 construction will continue to 2025. Outfall dilution study will be submitted to Ecology in March 2023.	
2	Phase 5B Salmon Creek Treatment Plant Improvements	Improvements at SCTP that include a new aeration basin and secondary clarifier; secondary process upgrades; and odor control.	Krause/Lebo, Jacobs, Tapani (P1)	92-2017-0053	Const P1 Bid P2	\$33,100	\$34,600	Const. P1 Low Bid P2	\$8,058	\$7,901	\$7,458	\$7,458	\$19,084	Project has been split into two packages (1-Existing Facilities/Odor Control and 2-Secondary Treatment Process Improvements). Construction of Package 1 is complete and construction of Package 2 is will continue to 2025.	
3	Ridgefield Treatment Plant Odor Control	This project installs an odor control system to treat odorous air from the influent channel and solids holding tank at the Ridgefield Treatment Plant.	Krause, BC, Jeffries	92-2020-0056	Complete	\$360	\$382	Complete	\$56	\$361	\$326	\$326	\$0	Complete.	
4	Ridgefield Treatment Plant Secondary Treatment Process Improvements	Project provides additional loading capacity by adding baffling and other modifications to the aeration basins.	Krause, Jacobs	TBD	Planning	\$600	\$600	Planning	\$0	\$102	\$0	\$0	\$600	Revising Engineering Report to included a possible future capacity upgrade.	
5	SCTP Chemically Enhanced Primary Treatment Pilot Project	Project to develop and implement chemically enhanced primary treatment (CEPT) on one primary clarifier as a pilot project.	Krause, Jacobs	TBD	Planning	\$500	\$500	Planning	\$0	\$150	\$0	\$0	\$500	Initial sample testing complete. Pilot test plan will be submitted to Ecology in March. Project coupled with Primary Sludge Pump Replacement and Primary Clarifier Mechanism Replacement R&R projects.	
Restoration and Replacement Projects															
6	Salmon Creek Treatment Plant Control System Network Separation	This project will bring the SCTP control system network up to industry standards as defined by the Department of Homeland Security and EPA.	Krause, Jacobs	93-2020-0081	Bid & Award	\$2,300	\$2,300	Construction	\$0	\$1,551	\$1,366	\$1,366	\$934	Under construction.	
7	Salmon Creek Treatment Plant Fire Alarm System Replacement	The project will replace the existing 20-year-old fire alarm system at SCTP with a new system in line with current fire alarm technology.	Krause, Jacobs	93-2020-0055	Bid & Award	\$1,200	\$950	Construction	\$52	\$1,409	\$277	\$277	\$621	Physical work is complete.	
8	Salmon Creek Treatment Plant Fire Pump Controller Replacement	This project replace the existing fire pump controllers at SCTP that are now approaching the end of their useful life.	Krause, BC	93-2020-0082	Bid & Award	\$375	\$375	Construction	\$0	\$236	\$311	\$311	\$64	Under construction.	
9	36th Avenue Pump Station Controls Replacement	This project will upgrade components and controls of the 36th Avenue Pump Station.	Krause, BC	TBD	Planning	\$180	\$230	Program	\$0	\$37	\$0	\$0	\$230	PLC and electrical components being ordered.	
10	Ridgefield Treatment Plant Programmable Logic Controller Replacement	This project will replace the programmable logic controller (PLC), which runs the Ridgefield Treatment Plant.	Krause, BC	TBD	Planning	\$150	\$150	Program	\$0	\$32	\$0	\$0	\$150	PLC and electrical components being ordered.	
11	Salmon Creek Treatment Plant Sludge Blend Tank Slope Stabilization	The project will evaluate slope stability and drainage issues around the sludge blend tank and install a retaining wall to stabilize the slope and control runoff.	Krause, Jacobs	TBD	Planning	\$140	\$175	Program	\$0	\$42	\$0	\$0	\$175	Geotechnical evaluation will be completed in Q1 2023.	
12	Salmon Creek Treatment Plant Diesel Fuel Tank (Building 83) Replacement	This project will replace the diesel fuel tank for the backup generator at the electrical building (Building 83) at SCTP.	Krause, BC	TBD	Planning	\$145	\$185	Program	\$0	\$32	\$0	\$0	\$185	Project will begin in Q1 2023.	
13	Salmon Creek Treatment Plant Instrumentation Replacements	This project will replace aged instruments throughout SCTP over the course of a three-year period.	Krause, BC	TBD	Planning	\$320	\$0	Program	\$0	\$16	\$0	\$0	\$0	Instrument replacements included in Operator budgets and Network Separation for 2021/2022.	
14	Salmon Creek Treatment Plant HVAC Systems Replacement	Replace aged HVAC equipment for several facilities at Salmon Creek Treatment Plant.	Krause, Jacobs, BC, Tapani	Various	Construction	\$1,716	\$1,092	Complete	\$881	\$528	\$152	\$152	\$59	Buildings 70 & 72 work is complete. Future HVAC project will be part of the Building Systems R&R Program.	
15	Salmon Creek Treatment Plant SCADA System Platform Update	This project updates the SCTP SCADA system platform to include mobile functionality thus providing a return on investment (ROI) through reduced staff time.	Krause, Jacobs	NA	Complete	\$0	\$0	Program	\$0	\$48	\$57	\$57	-\$57	Project incorporated into SCTP SCADA System Replacement, see project 18.	
16	SCTP Digester Gas Booster	Install gas pressure boosting equipment to ensure boilers are operating at sufficient capacity without forming condensation.	Krause, Lebo, Tapani	93-2017-0066	Post-Construction	\$246	\$330	Complete	\$211	\$0	\$107	\$107	\$12	The gas booster has failed twice in the last year and has been sent to a company on the east coast for analysis. A waste gas model is being developed to address the interaction of the gas booster, waste gas flare, and the boiler operation.	
17	SCTP Blowers 3 & 4 Emergency Response	Emergency project provide temporary blower capacity, and repair aeration system capacity at SCTP Building 35.	Krause, Lebo, Tapani	93-2021-0029	Post-Construction	\$28	\$26	Complete	\$0	\$0	\$99	\$99	-\$73	Blowers 3 and 4 are repaired and back in service. Insurance reimbursement received. Total cost was \$100k before insurance.	
18	SCTP Dewatering Equipment Replacement	Replace existing dewatering equipment from Phase 3 expansion.	Krause, BC	93-2021-0058	Planning	\$5,000	\$5,000	Planning	\$0	\$0	\$191	\$191	\$4,809	Developing Engineering Report in anticipation of potential federal funding. Additional sludge testing Q1 2023 to confirm dewatering bench testing results.	
19	SCTP SCADA System Replacement	Project will upgrade the existing SCADA software and develop new human user interface (HMI) screens.	Krause, Jacobs	93-2022-0044	Design	\$600	\$600	Design	\$0	\$300	\$179	\$179	\$421	SCADA screens are currently being programmed for Q1/2 2023 implementation.	
20	SCTP Primary Sludge Pump Replacement	Project replaces the 8 primary sludge pumps.	Krause, Jacobs	TBD	Design	\$250	\$2,600	Design	\$0	\$250	\$0	\$0	\$2,600	Staff are reviewing the basis of design technical memo and selecting the pump type. Final design work will begin April 2023.	
21	Annual R&R Allowance	Allowance to account for undefined needs.	Krause	Various	N/A	\$100	\$125	Program	\$0	\$262	\$61	\$61	\$64	Allowance used for Emergency blower replacements. Remaining funding will be used work stations at SCTP.	
Budget Summary															
CIP TOTAL										\$26,188	\$21,178	\$21,178			
% OF BUDGET										100.0%	80.9%	80.9%			
R&R TOTAL										\$4,743	\$2,800	\$2,800			
% OF BUDGET										100.0%	59.0%	59.0%			
Projects Carried Over from Previous Budget Cycle															
New Projects															



Discovery Clean
Water Alliance

Staff Report

Board Meeting of March 17, 2023

6e. Treasurer Report – Fourth Quarter 2022

STAFF CONTACTS	PHONE	EMAIL
David Logan, Alliance Treasurer	360-993-8802	dlogan@crwwd.com

PURPOSE: The Alliance is a regional wastewater transmission and treatment utility, now in its ninth year of full operation in 2023. The goal of the Treasurer Report is to provide a quarterly update of ongoing activities in the financial and treasury areas of responsibility for the Alliance.

Financial and Treasury Activities.

1. *Financial Management/Reporting.*

- Fourth Quarter 2022 Financial Report (Attachment A). The fourth-quarter financial report reflects the results from operations for all funds for 2022.

2. *Budget/ACFR/SAO Audit.*

- 2022 Annual Comprehensive Financial Report (ACFR) and State Auditor's Office (SAO) Audit. Administrative lead staff is closing out financial reporting for 2022 and preparing the Alliance ACFR. SAO will be on site in April to conduct the fieldwork portion of the annual audit.

ACTION REQUESTED: Policy-level guidance for the various Treasurer activities.

Attachment A



Fourth Quarter 2022 Financial Report

PURPOSE: To report to the Board the financial results from operations through the eighth quarter of the biennium ending December 31, 2022.

SUMMARY – ALL FUNDS

Category	Adopted Biennial Budget 2021-2022	Actual 2021-2022	Difference Actual vs. Budget To Date (\$)	Difference Actual vs. Budget To Date (%)
BEGINNING FUND BALANCE	\$ 6,426,000	\$ 7,232,883		
SOURCES				
Regional Service Charges (RSCs)	31,117,782	31,117,782	\$ -	
Miscellaneous Income	-	108,899.24	108,899	
Investment Interest	-	258,173.82	258,174	
Debt Proceeds	23,463,000	70,736,675	47,273,675	201.5%
TOTAL SOURCES	\$ 54,580,782	\$ 102,221,529	\$ 47,640,747	87.3%
USES				
O&M - Administrative Services	\$ (3,670,000)	\$ (3,010,268)	\$ 659,732	18.0%
O&M - Clark County Operator	(9,666,080)	(9,755,068)	(88,988)	-0.9%
O&M - District Operator	(1,707,500)	(1,461,355)	246,145	14.4%
Debt Service	(9,923,000)	(16,000,309)	(6,077,309)	-61.2%
R&R Capital Expenditures	(4,743,000)	(2,975,928)	1,767,072	37.3%
CIP Capital Expenditures	(26,440,000)	(21,177,886)	5,262,114	19.9%
TOTAL USES	(56,149,580)	(54,380,814)	1,768,766	3.2%
SOURCES OVER (UNDER) USES	(1,568,798)	47,840,715	49,409,513	3149.5%
ENDING FUND BALANCE	\$ 4,857,202	\$ 55,073,598	\$ 50,216,396	

SOURCES: \$102.2 million

- **RSC revenues: \$31.1 million.** RSC revenues were in line with budget through the end of the fourth quarter 2022.
- **Debt proceeds: \$70.7 million.** Actual debt proceeds are outpaced budgeted proceeds by \$47.2 million. Administrative Lead staff continue to work to optimize debt proceeds and minimize debt service. This can be seen through the refunding of previously issued 2015 bonds totaling \$6.7 million (which is offset in uses). Additionally, Alliance had debt proceeds of \$50.3 million in July 2022 to fund several large Capital Projects. The timing of issuances is estimated during the budget process, and actual dates may vary from budget assumptions.

USES: \$54.2 million

- **Administrative services: \$3.0 million.** Administrative services in the biennium are under budget due to several key professional services not materializing. Administrative services include professional engineering

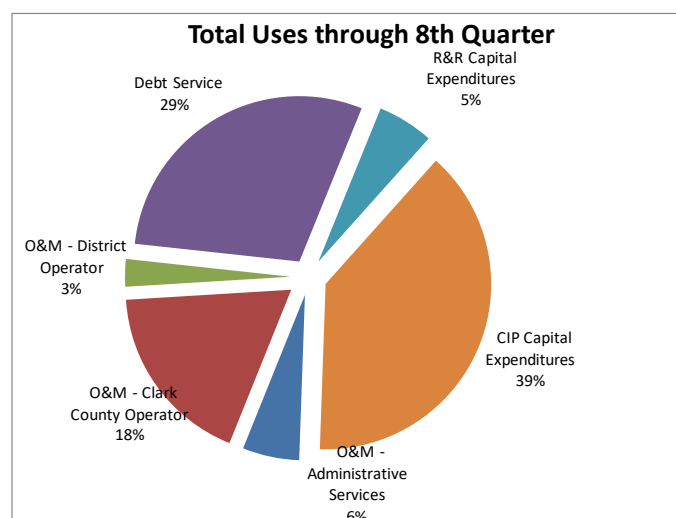
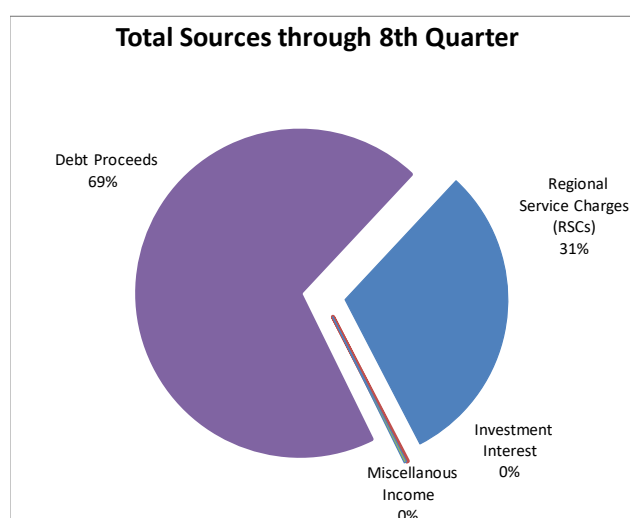
services for capital program support and regulatory compliance, as well as other professional services such as legal and audit services.

- **Operating costs: \$11.2 million.** Operating costs paid to contract operators, Clark County and the District, were under budget through the end of Q4 2022.
- **Debt service: \$16.0 million.** Debt service costs through the end of Q4 2022 were significantly higher than anticipated due to the refunding of the 2015 Sewer Revenue Bonds, which was not anticipated in the preparation of the 2021-2022 adopted budget. This increase in debt service expenditures is offset by an increase in debt proceeds.
- **Capital expenditures: \$24.2 million.** Capital expenditures through the end of the quarter were under budget due to the timing of work on projects. Project activity is expected to carry over into the 2023-2024 biennium.

SOURCES OVER USES: \$48.0 million

- There is a variance of sources over uses for the quarter due to unspent bond proceeds from the 2022 Bonds.

SOURCES AND USES BY TYPE – ALL FUNDS



CASH AND INVESTMENTS BY FUND HELD BY THE ALLIANCE

	Cash	Investments	Total
OPERATIONS AND MAINTENANCE	\$ 351,847	\$ 550,442	\$ 902,289
RATE STABILIZATION	401,200	-	401,200
DEBT SERVICE	1,538,568	1,660,376	3,198,944
RESTORATION AND REPLACEMENT	1,592,449	4,224,941	5,817,390
CONSTRUCTION IN PROGRESS	(3,256,499)	53,632,230	50,375,731
	\$ 627,565	\$ 60,067,989	\$ 60,695,554

Cash and Investments at January 1, 2021 11,355,922

Change in Cash and Investments \$ 49,339,632



Quarterly Financial Report
Through the Quarter Ended December 31, 2022
 Unaudited - Intended for Management Purposes Only

The following is a summary of the Alliance's financial results for operating funds. This information is summarized from financial activity for the twenty-four months ended December 31, 2022.

OPERATIONS AND MAINTENANCE ACCOUNT

Category	Adopted Biennial Budget 2021-2022	Actual 2021-2022	Difference Actual vs. Budget To Date (\$)	Difference Actual vs. Budget To Date (%)
Revenues				
Regional Service Charges	\$ 14,038,421	\$ 14,038,421	\$ -	
Miscellaneous Income	-	108,899	108,899	
Investment Interest	-	11,806	11,806	
Total Revenues	\$ 14,038,421	\$ 14,159,126	\$ 120,705	100.9%
Expenses				
O&M - Administrative Services (1)	\$ 3,670,000	\$ 3,010,268	\$ (659,732)	18.0%
O&M - Clark County Operator	9,666,080	9,755,068	88,988	-0.9%
O&M - District Operator	1,707,500	1,461,355	(246,145)	14.4%
Total Expenses	\$ 15,043,580	\$ 14,226,691	\$ (816,889)	5.4%
Revenues Over (Under) Expenses	\$ (1,005,159)	\$ (67,565)	\$ 937,594	

Notes

(1) Administrative services: \$3.0 million. Administrative services in the biennium to date through Q4 2022 are under budget due to key professional services not materializing in the biennium. Administrative services include professional engineering services for capital program support and regulatory compliance, as well as other professional services such as legal and audit services.

Fourth Quarter 2022 Financial Report
March 17, 2023



Quarterly Financial Report
Through the Quarter Ended December 31, 2022
Unaudited - Intended for Management Purposes Only

The following is a summary of the Alliance's financial results by operating funds. This information is summarized from financial activity for the twenty-four months ended December 31, 2022.

EXISTING ASSETS R&R ACCOUNT

ALLIANCE R&R	Adopted Biennial Budget 2021-2022	Actual 2021-2022	Difference Actual vs. Budget To Date (\$)	Difference Actual vs. Budget To Date (%)
Revenues				
Regional Service Charges	\$ 4,193,305	\$ 4,193,305	\$ -	
Investment Interest	-	78,058	78,058	
Total Revenues	4,193,305	4,271,363	78,058	1.9%
Expenditures				
Construction Costs (1)	4,743,000	2,853,814	(1,889,186)	39.8%
Total Expenditures	4,743,000	2,853,814	(1,889,186)	39.8%
Revenues Over (Under) Expenditures	\$ (549,695)	\$ 1,417,549	\$ 1,967,244	
Alliance R&R Capital Expenditures	Adopted Biennial Budget 2021-2022	Actual 2021-2022	Difference Actual vs. Budget To Date (\$)	Difference Actual vs. Budget To Date (%)
Alliance R&R Projects				
SCTP Cake Transfer Screw	-	40,686	40,686	
SCTP Digester Maintenance and Modifications	-	178,098	178,098	
SCTP Boiler Digester Gas Booster	-	107,264	107,264	
36th Ave Pump Replace	-	12,951	12,951	
SCTP Boiler Exhaust Stack Replacement	-	1,000	1,000	
SCTP HVAC Systems Replacement	528,000	152,215	(375,785)	71%
SCTP Fire Alarm System Replacement	1,409,000	276,675	(1,132,325)	80%
SCTP Control System Network Separation	1,551,000	1,365,910	(185,090)	12%
SCTP Fire Pump Controller Replacement	236,000	311,048	75,048	-32%
SCTP Blower Replacement Emergency	-	99,385	99,385	
SCTP Dewatering Equipment Replacement	-	191,153	191,153	
36th Ave Pump Station Controls Replacement	37,000	-	(37,000)	
RTP PLC Replacement	32,000	-	(32,000)	
SCTP Sludge Blend Tank Slope Stabilization	42,000	-	(42,000)	
SCTP Diesel Fuel Tank (Building #3) Replacement	32,000	-	(32,000)	
SCTP Instrumentation Replacements	16,000	-	(16,000)	
SCTP SCADA System Platform Update	48,000	-	(48,000)	
SCTP SCADA Replacement	300,000	178,684	(121,316)	40%
SCTP Primary Sludge Pump Replacement	250,000	-	(250,000)	
Annual R&R Allowance	262,000	60,860	(201,140)	77%
Total Alliance R&R Capital Expenditures	\$ 4,743,000	\$ 2,975,928	\$ (1,767,072)	37%
Notes				
(1) Construction Costs: \$3.0 million. R&R was under budget due to the timing of work on projects. Project activity is expected to continue into the 2023-2024 biennium.				

NEW ASSETS CIP ACCOUNT

ALLIANCE CIP	Adopted Biennial Budget 2021-2022	Actual 2021-2022	Difference Actual vs. Budget To Date (\$)	Difference Actual vs. Budget To Date (%)
Revenues				
Regional Service Charges	\$ 3,084,224	\$ 3,084,224	\$ -	
Debt Proceeds (1)	23,463,000	70,736,675	47,273,675	-201.5%
Investment Interest	-	135,837	135,837	
Total Revenues	26,547,224	73,956,736	47,409,512	-178.6%
Expenditures				
Construction Costs (2)	26,440,000	21,177,886	(5,262,114)	19.9%
Total Expenditures	26,440,000	21,177,886	(5,262,114)	19.9%
Revenues Over (Under) Expenditures	\$ 107,224	\$ 52,778,850	\$ 52,778,850	
Alliance CIP Capital Expenditures	Adopted Biennial Budget 2021-2022	Actual 2021-2022	Difference Actual vs. Budget To Date (\$)	Difference Actual vs. Budget To Date (%)
Alliance CIP Projects				
SCTPO Phase 5A Expansion (Outfall/Effluent Pipeline)	\$ 17,926,000	\$ 13,394,120	\$ (4,531,880)	25.3%
SCTPO Phase 5B Expansion (Plant)	7,901,000	7,457,659	(443,341)	5.6%
RTP Odor Control	361,000	326,107	(34,893)	9.7%
RTP Secondary Treatment	102,000	-	-	
SCTP CEPT Pilot Project	150,000	-	-	
Total Alliance CIP Capital Expenditures	\$ 26,440,000	\$ 21,177,886	\$ (5,010,114)	19.9%
Notes				
(1) Debt Proceeds: \$70.7 million. The Alliance was awarded a Public Works Trust Fund (PWTF) loan to reimburse construction expenditures of the SCTP Phase 5B Package 1 project. Through Q2 2022, \$8.2 million of the awarded \$9.04 million loan has been drawn. In June 2021, the Alliance issued Sewer Revenue Bonds of \$13.3 million (total proceeds of \$15.2 million) to fund SCTP Phase 5A Package 1. In July 2022, the Alliance issued Sewer Revenue Bonds of \$43.8 million (total proceeds of \$49.9 million) to fund the SCTP Phase 5A Package 2 project and the remainder of the SCTP Phase 5B Package 2 project.				
(2) Construction Costs: \$21.2 million. CIP was under budget through Q4 2022 due to the timing of work on projects.				



Discovery Clean
Water Alliance

Staff Report

Board Meeting of March 17, 2023

6f. Regulatory Compliance Program Report

STAFF CONTACTS	PHONE	EMAIL
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PURPOSE: The Alliance is a regional wastewater transmission and treatment utility formed more than ten years ago and now entering its ninth year of full operation. This report provides a quarterly update for the Board of Directors on Administrative Lead (AL) activities related to regulatory tracking and compliance. Specific updates are as follows:

1. Industrial Pretreatment Program. The Alliance Industrial Pretreatment Program (IPP) has been formally delegated (approved) by Washington Department of Ecology (Ecology) and became effective on January 1, 2023. As such, the Alliance Pretreatment Regulations are effective as the Sewer Use Ordinances (SUOs) for the District and the City of Battle Ground service areas and apply to all industrial and commercial discharges to the Alliance wastewater system. District and City of Battle Ground staff continue to coordinate closely on implementation of the Alliance IPP. The existing Ecology-issued discharge permits for the Alliance's three current Significant Industrial Users (SIUs) have been reissued under the Alliance framework, for the remaining duration of these permits. These users will work directly with the Alliance on the permit renewal and reissuance process. Other program activities in 1Q 2023 included submittal of required annual report to Ecology in February, and ongoing inspections and monitoring of food service establishments (FSEs) and automotive businesses in accordance with the Fats, Oils and Grease (FOG) program.
2. CDC/WEF National Wastewater Surveillance System (NWSS) Monitoring Project. The Alliance continues to participate in the nationwide effort to monitor the SARS-CoV-2 (COVID-19) virus in wastewater, to support state and local public health agencies. This study is being conducted by the Centers for Disease Control and Prevention (CDC) in collaboration with Water Environment Federation (WEF) at no cost to the participating facilities. Sampling and analysis began in January 2022, and the current phase of the study was recently extended for six months (through July 2023). While the initial study was focused specifically on SARS-CoV-2 monitoring, current testing has been expanded to reflect interest in monitoring for additional viruses on regional and national levels, such as polio in the Northeast region, and monkeypox on a national scale. Data is shared directly with participants and local health agencies, and is being used to build a national database. Recent data reports are attached for reference (Attachment A).

3. Water Quality Regulatory Processes – State and Federal. The Alliance continues to monitor relevant water quality regulatory, legislative, and legal processes at the state and federal level as summarized below.
- *Water Quality Assessment Process – Ecology/EPA.* The Alliance, in coordination with the City of Vancouver, is planning to continue water quality monitoring to support the current Category 1 listing (unimpaired status) of the receiving waters for the City and Alliance facilities. Sampling, data review and submittal to Ecology was previously conducted in 2018-2019 via Interlocal Agreement (ILA) between the City and Alliance. The ILA requires updating to reflect the current monitoring period, and a revised ILA will be reviewed with the Alliance Board at a future meeting.
 - *Columbia and Snake River Temperature TMDL – Ecology/EPA.* On May 18, 2020, EPA issued a temperature total maximum daily load (TMDL) for the Columbia and Snake Rivers. EPA issued an updated TMDL on August 13, 2021, after receiving public comment on the previous TMDL document. Ecology is working to develop an implementation plan under the TMDL framework. City of Vancouver and AL staff have requested to be part of the stakeholder group for Ecology's implementation plan development process, as both Alliance and Vancouver facilities are given fixed waste load allocations (WLAs) in the TMDL.
 - *NPDES Permit Renewal Applications – Ecology.* AL staff are tracking NPDES permit renewal processes for the Alliance and Vancouver facilities and coordinating with Ecology for renewal process and timeline. Supplemental permit renewal applications were provided to Ecology for both the Salmon Creek and Ridgefield Treatment Plants in June 2021 in response to Ecology's request by letter. The Alliance facilities are operating under administrative extensions of the existing permits.
 - *Ecology Statewide Biosolids General Permit.* Ecology issued a new general biosolids permit for Washington, effective in July 2022. AL staff have submitted an application for coverage under the new permit and are awaiting Ecology's review and approval of the application before proceeding with public notice.
 - *Other Water Quality Regulatory Processes.* The Alliance is monitoring several other water quality-related processes as noted below:
 - *Ecology has issued the Puget Sound Nutrient General Permit – currently under appeal.* The new general permit was issued December 1, 2021, and multiple agencies in the Puget Sound area have filed appeals with the Pollution Control Hearings Board (PCHB). The issues under appeal are technically and legally complex, and timeline for resolution is uncertain at this time.
 - *Proposed Withdrawal of Certain Federal Human Health Criteria in Washington State – EPA.* EPA announced a final rule on November 14, 2022 to reinstate federal water quality criteria, superseding prior actions by the agency to disapprove and then later approve criteria for certain toxic substances. This final EPA ruling will result in more stringent water quality criteria for certain parameters. AL staff are tracking these regulatory updates.
 - *Federal Lawsuit Regarding TMDL Processes – Northwest Environmental Advocates vs. EPA.* A federal lawsuit was filed in September 2019 challenging EPA's oversight of Washington's Water Quality Assessment process required by the Clean Water Act (CWA) and the related

Total Maximum Daily Load (TMDL) process designed to address impaired water bodies. The case has been administratively closed while the parties continue to engage in settlement negotiations. The Alliance will monitor the process for relevant developments.

- *University of Washington (UW) Study of Columbia River.* An EPA grant to UW/Tacoma is being used to fund a study titled "*Evaluating and Prioritizing Contaminants of Emerging Concern in the Lower Columbia River*". The study was expected to be completed by 2022, but has not been published yet.
 - *Recreational Water Quality Criteria for Coliphage and Effluent Disinfection - EPA.* EPA is evaluating a coliphage (virus-based) water quality criterion for recreational waters. This would supplement or replace the current bacteria-based standards that are the current basis for effluent limitations in discharge permits. Depending on how the new standard is developed and applied to the Alliance facilities, an upgrade to the disinfection systems for the facilities may be required in the future.
4. PFAS Legislation and Regulation. Rulemaking and legislative efforts are ongoing at both the federal and state levels to address a group of manmade chemicals collectively called per- and polyfluoroalkyl substances, or "PFAS". These "forever chemicals" have been used in multiple applications throughout society for several decades and do not break down easily in the natural environment, so are present in relatively small quantities in water and wastewater streams. AL staff are monitoring these efforts, including the following:
- EPA PFAS Strategic Roadmap. This comprehensive plan outlines the agency's multi-pronged approach for addressing PFAS over a 5-year period (2021-2024). The EPA also published a one-year progress report in November 2022 that details specific actions to date and upcoming timelines for future actions. AL staff are tracking several relevant developments as identified below.
 - EPA Proposal for CERCLA Designation of Two PFAS Chemicals. On August 26, 2022 the EPA announced a proposal to list two of the most prevalent PFAS chemicals (PFOA and PFOS) as hazardous substances under the federal Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA, or more commonly known as Superfund). The proposal would require utilities to determine amounts of PFAS in effluent and biosolids and report those discharges if above a certain threshold. Long-term, indirect impacts of the proposal include potentially substantial legal and financial liability associated with cleanup costs of contaminated sites. The EPA held a 60-day public comment period through November 7, 2022, and the Alliance and City of Vancouver submitted a joint comment letter. EPA anticipates finalizing this proposed rule in 2023.
 - Draft Water Quality Criteria for PFOA and PFOS. In April 2022 the EPA released draft recommended freshwater aquatic life water quality criteria for PFOA and PFOS, and held an extended public comment period through July 2022. Once finalized, states can then adopt these criteria into water quality standards.
 - EPA Memorandum for Addressing PFAS Discharges in NPDES Permits and Through the Pretreatment Program. This memo was issued in December 2022 and provides guidance to states on incorporating requirements for PFAS monitoring and source

control into discharge permits for Publicly Owned Treatment Works (POTWs). Recommendations include wastewater and biosolids monitoring at the POTW, as well as pretreatment program activities aimed at identifying and monitoring industrial/commercial sources, requiring pollution prevention strategies, and developing and imposing limits where appropriate. AL staff have been in communication with Ecology regarding this guidance and it is anticipated that these requirements may be incorporated into future Alliance permits.

- Risk Assessment for Biosolids. The EPA has been working on a full risk assessment for biosolids and expects to complete this work by winter 2024. The agency will use the results of the assessment to determine whether PFAS regulation in biosolids is warranted.
 - EPA Method Validation and Approval Process. The EPA has published multiple drafts of a PFAS analytical method that can be used for wastewater and biosolids (EPA 1633). A final draft is anticipated in early 2023, with the final version available later this year. This method is currently recommended for PFAS analysis of wastewater and biosolids but has not yet been approved. EPA will begin a rulemaking process to propose promulgation of this method under the Clean Water Act (CWA) after the final version is published.
 - Industrial Pretreatment Program – Effluent Guidelines Program Plan 15. The EPA reviews and updates on an ongoing basis nationally applicable regulatory limits for industrial and commercial facilities and publishes the results of their studies every two years. The current plan was released in January 2023 and identifies certain categories of industries where revisions to effluent guidelines are appropriate to address PFAS discharges. AL staff are monitoring these revisions for potential impacts to current industrial users. The plan also notes EPA's intent to conduct a wastewater influent study to collect nationwide data on industrial discharges of PFAS to POTWs. This data would be shared directly with POTWs and pretreatment programs and be made publicly available.
- PFAS Action Act of 2021. This legislation passed the House of Representatives in 2021. The Alliance is consulting the National Association of Clean Water Agencies (NACWA) to assess opportunities to engage the legislation in the Senate pending further congressional action.
 - Ecology PFAS Chemical Action Plan. Washington State issued its final Chemical Action Plan (CAP) in 2021. The CAP is a result of a multi-year effort to analyze the best available science and consider stakeholder input in providing recommendations to reduce or eliminate public health and environmental effects of PFAS chemicals. Two focus areas of the CAP are efforts in reducing sources of PFAS in consumer products and evaluating and managing PFAS in waste streams, including wastewater treatment and biosolids. Actions to date related to these focus areas are noted below.
 - Reduce PFAS in Products – Current and Proposed Regulations. WA has passed multiple laws that restrict, reduce and/or require reporting of use of certain chemicals, including PFAS, in consumer products. These include Ch. 70A.430 RCW (Children's Safer Products Act), Ch.70A.350 RCW (establishes Safer Products for WA Program described below), Ch. 70A.400 RCW (firefighting foams), and Ch. 70A.222

RCW (food packaging). There is also a proposed bill in the current legislative session (SHB 1047) that would restrict the use of PFAS and several other chemicals in cosmetics.

- Safer Products for WA Program. Ecology is implementing an ongoing, multi-year process for identifying priority chemicals (including PFAS), evaluating safer and feasible alternatives, and requiring product substitutions in manufacturing and sale of consumer products through the rulemaking process.
- Ecology Report: PFAS Concentrations in Effluent, Influent, Solids and Biosolids of Three Wastewater Treatment Plants. Ecology released in November 2022 the results of a limited study of PFAS concentrations in wastewater and biosolids. The study concluded that results were generally consistent with levels found at other municipal facilities in the United States, but that a larger scale study is needed before further PFAS monitoring or other requirements can be developed.

ACTION REQUESTED: No specific action required. Please provide policy-level guidance for the various activities described in this report.

Attachment A

SCTP Influent

Sample collection date: **February 28, 2023**

SARS-CoV-2 virus in wastewater

DETECTED

Virus concentration
(copies per liter of sewage)

1,078,514

Effective* virus concentration
(copies per liter of sewage)

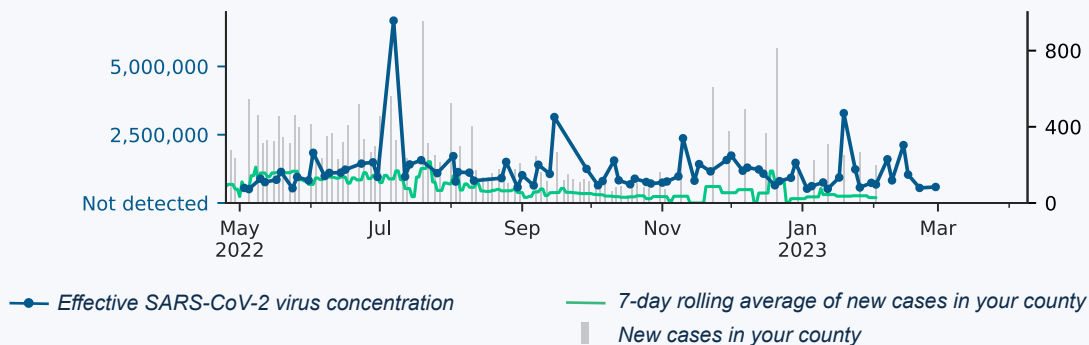
585,469

**Effective virus concentration value is derived by adjusting the raw virus concentration to account for dilution and other factors.*

Effective virus concentration over time

Effective SARS-CoV-2 virus
concentration (copies / L of sewage)

New cases in county
on sampling date



The effective virus concentration reported by Biobot is different from the results reported on CDC's [Covid Data Tracker](#). CDC results are normalized using flow and population, whereas Biobot normalizes to a fecal strength indicator measured in your sample.

Learn more about Biobot's normalization and effective concentration methodologies by visiting biobot.io/covid19-report-notes and support.biobot.io

For county-level, regional and nationwide views of the data, please visit biobot.io/data

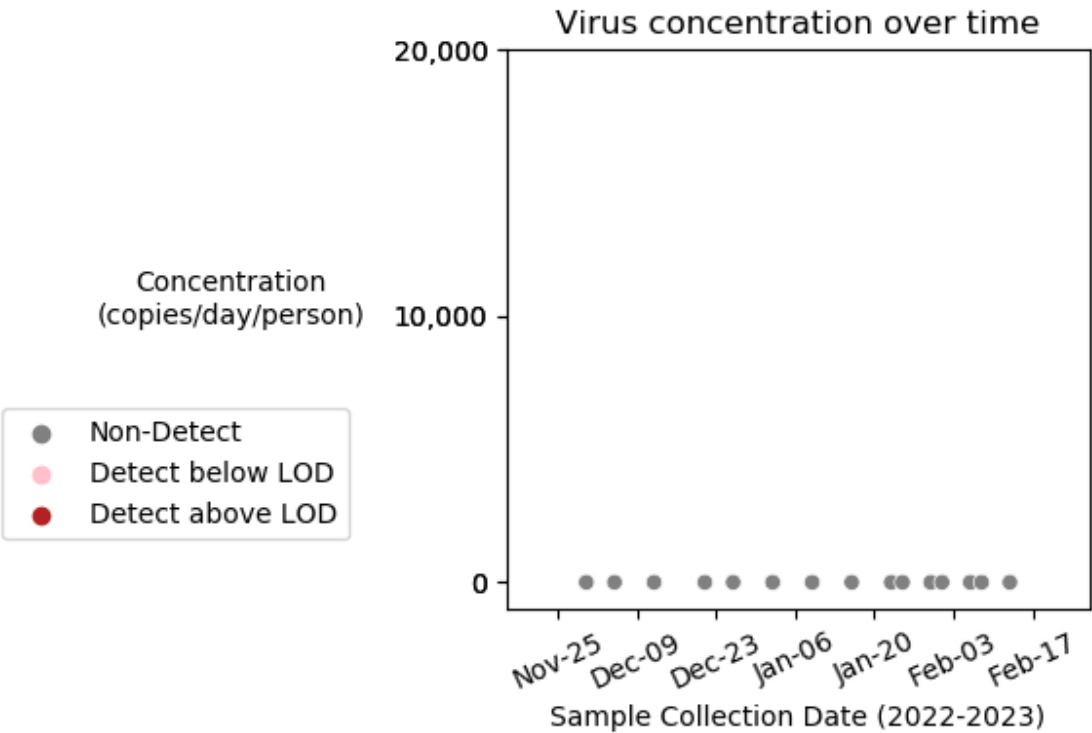
Sctp Influent

Mpox virus in wastewater

Sample collection date
2023-02-13

NOT DETECTED

Virus concentration
(copies/day/person)
Below LOD



Note: Concentrations above 0 are considered detects. Concentrations below the limit of detection (LOD) are not reliable and should be interpreted with caution. The LOD is normalized to population flow-rate and changes by sample.



Discovery Clean Water Alliance

Staff Report

Board Meeting of March 17, 2023

6g. Administrative Lead Report

STAFF CONTACTS	PHONE	EMAIL
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Leanne Mattos, District Sr. Administrative Assistant	360-993-8823	lmattos@crwwd.com

PURPOSE: The Alliance is a regional wastewater transmission and treatment utility formed more than ten years ago and now entering its ninth year of full operation. The Administrative Lead (AL) Report provides a quarterly update for the Board of Directors highlighting significant efforts.

1. 2022 Capacity Management Update and Phase 5 Expansion Program Overview. With the 2022 year complete, the District has updated the capacity management tools for the primary Alliance Regional Asset – Salmon Creek Treatment Plant (SCTP) and is continuing to monitor capacity at the Ridgefield Treatment Plant (RTP). As the Board is aware, the Alliance is carefully managing regional capacity at its treatment facilities due to the approximately four-year delay in completing the expansion project, tied to resolving the Columbia River Water Quality Assessment status for dissolved oxygen (DO) with Ecology and EPA, successfully completed in August 2022.

Two trends were in the Alliance's favor this year:

- The rapid pace of growth tempered somewhat in 2022, likely due to the aggressive Federal Reserve policies that significantly raised interest rates.
- 2022 was a mild weather year with annual rainfall approximately 17% below average.

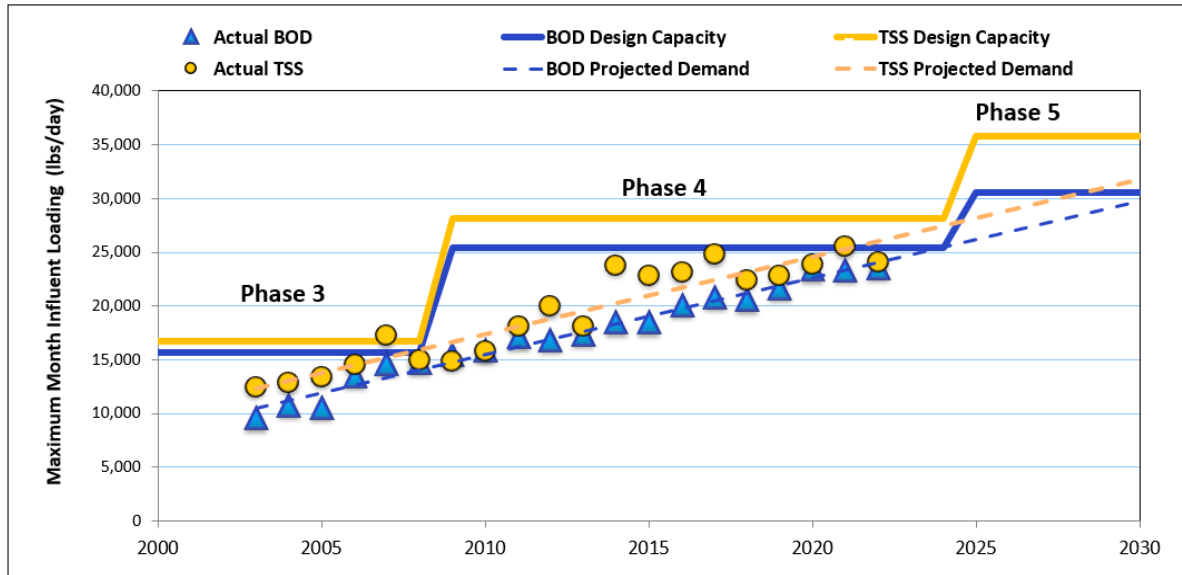
Growth Trends. The total number of equivalent residential units (ERUs) added to the system over the last eight years is summarized in the table below:

Year	Battle Ground ERUs	Ridgefield ERUs	District (Central) ERUs	Total ERUs
2015	237	201	1,027	1,465
2016	176	325	1,078	1,579
2017	160	180	1,503	1,843
2018	159	372	1,495	2,026
2019	225	603	1,105	1,933
2020	188	769	1,088	2,045
2021	344	749	1,204	2,297
2022	329	411	1,030	1,770
<u>Total</u>	<u>1,818</u>	<u>3,610</u>	<u>9,530</u>	<u>14,958</u>

**Note: the long-term average growth rate for all Alliance service areas (combined) is 1,348 ERUs per year*

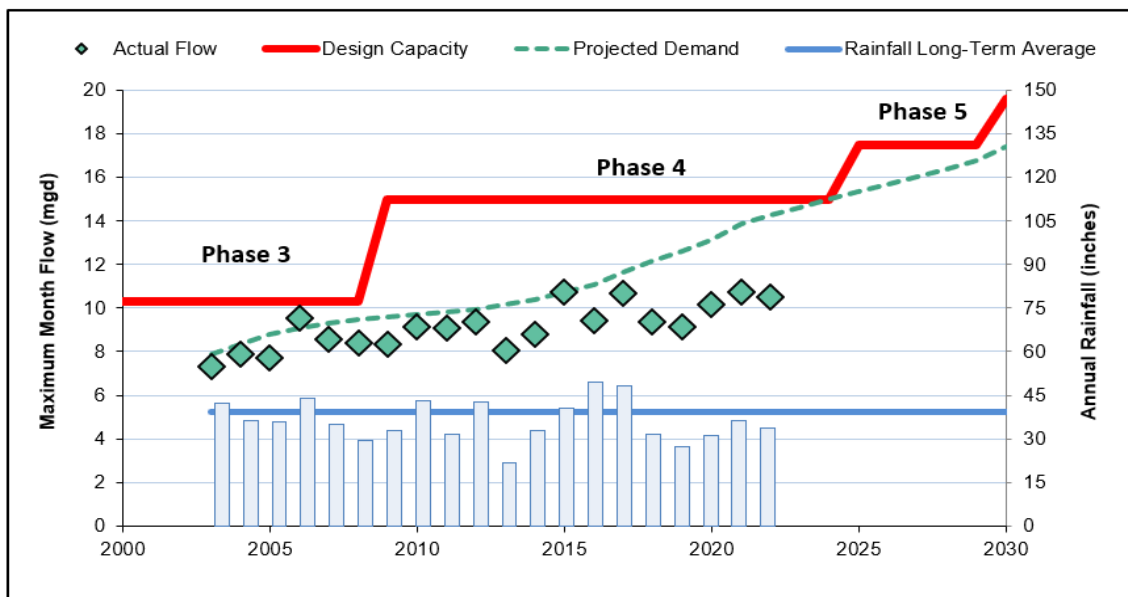
SCTP Influent Loadings. The most reliable measure of influent loading on the facility is to utilize the parameters of Total Suspended Solids (TSS) and Biochemical Oxygen Demand (BOD). The BOD level measured in December 2022 is the highest on record at 92.4% of rated capacity, indicating the underlying growth is still being measured in the loadings at the facility.

Salmon Creek Wastewater Treatment Plant and Outfall
Long Term Projection - Design Capacity vs. Projected Demand - Influent Loading

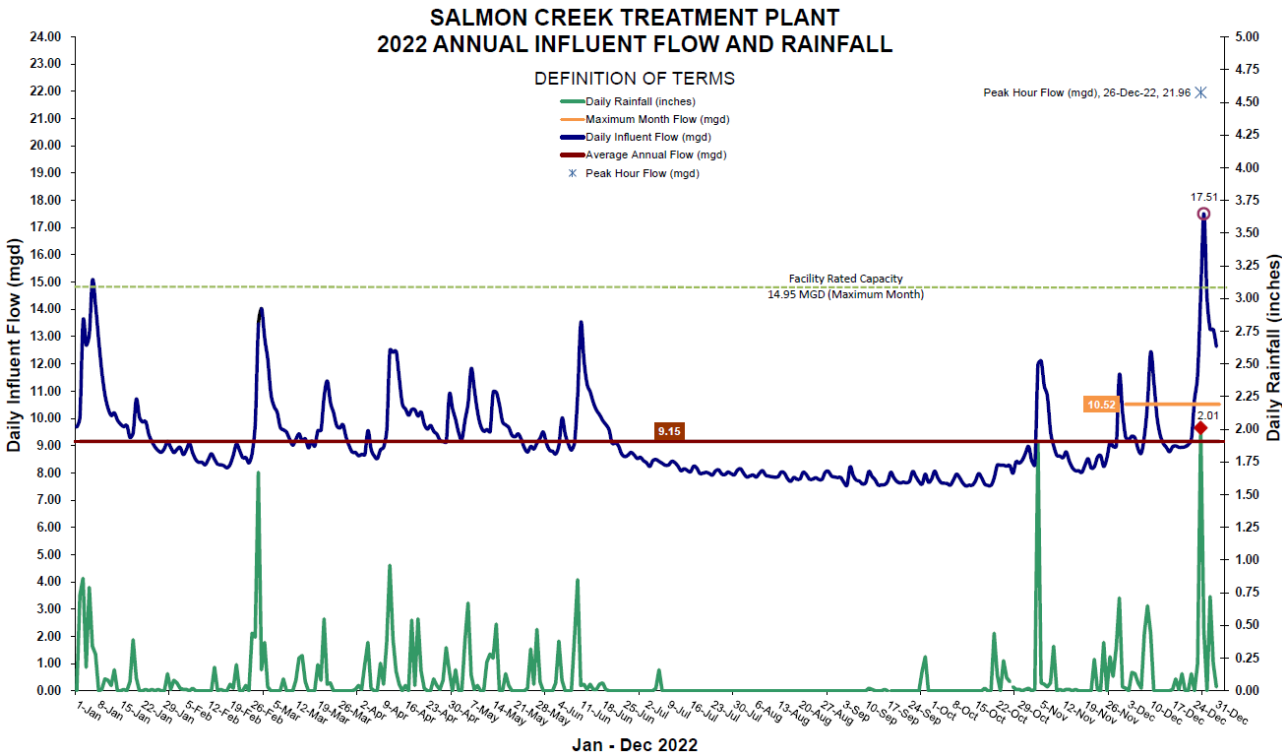


SCTP Influent Flows. The trend over the last approximately 5 years of lower-than-normal rainfall amounts was evident again in 2022. The maximum month flow value used by Ecology was therefore below the Alliance capacity model predicted trend for system response in a wet month during a wet year.

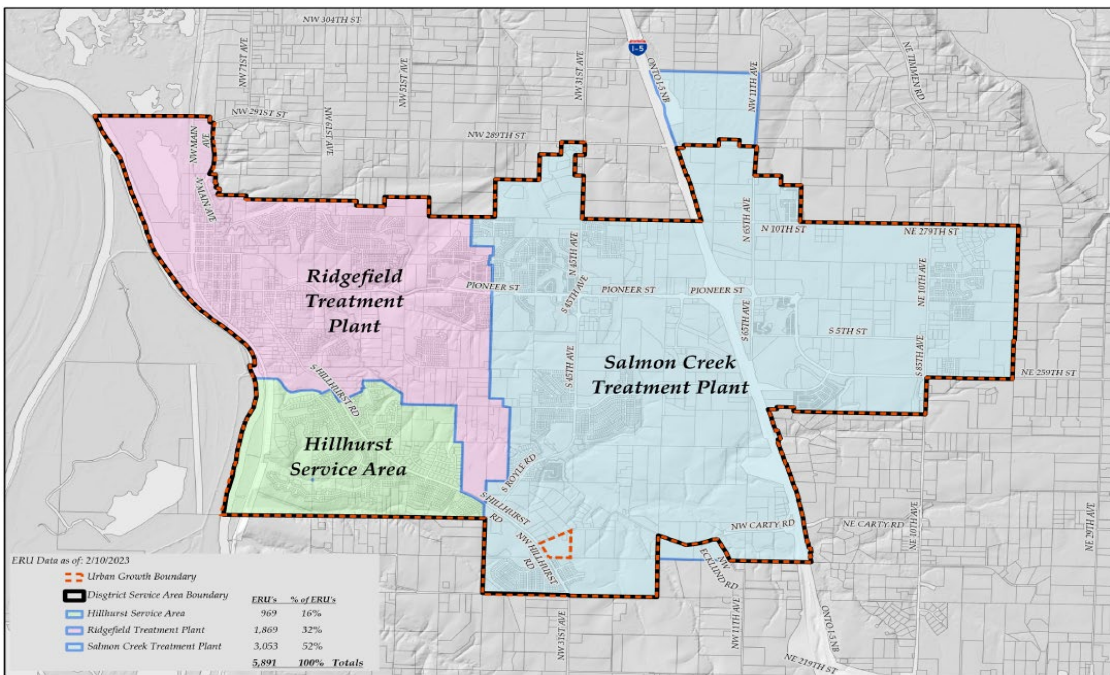
Salmon Creek Wastewater Treatment Plant and Outfall
Long Term Projection - Design Capacity vs. Projected Demand - Influent Flow



The most significant flow event occurred in the two days after Christmas, as the ice storm melted under the influence of a heavy and warm rainfall event producing a daily total flow of 17.5 mgd on December 27 and a peak hour flow of 22.0 mgd on December 26.



Ridgefield Treatment Plant. With a significant portion of the Ridgefield service area diverted to SCTP, flows and loadings were maintained below the rated capacity of the facility. Approximately 68% of the Ridgefield service area is now flowing to SCTP as depicted in the map below:



Summary. With more than two years of active construction required to complete the Phase 5 Expansion program, the four-pronged capacity management approach is appropriate to ensure that near term growth or future weather trends do not result in a circumstance where the Alliance exceeds the rated capacity of its treatment facilities. The four elements of the capacity management strategy are summarized below:

- Proactive delivery of the Phase 5A Package 2 and Phase 5B Package 2 projects to complete the Phase 5 Expansion program as expeditiously as possible.
 - Hazel Dell area small District diversion of flows to Vancouver Westside (set for this Spring/Summer).
 - RFTP Secondary Treatment Project design and construction, to ensure the full 0.7 mgd rated capacity of the facility can be utilized (addressing an imbalance between the rated loading capacity and rated flow capacity for the facility).
 - Pilot testing of a Chemically Enhanced Primary Treatment (CEPT) project at SCTP to document expected performance, in case an additional capacity buffer was needed on a short-term basis.
2. State and Federal Infrastructure Funding. The District continues to evaluate opportunities for state and federal funding with the assistance of CFM Advocates. These evaluations include the Infrastructure Investment and Jobs Act (IIJA) and the Inflation Reduction Act (IRA), in addition to participating in the federal earmark process. The District has recently submitted the attached earmark request and letters of support to Senator Murray's office (Attachment A).
3. 2023 Legislative Session. The District is working with the Coalition for Clean Water (CCW) and the Washington Association of Sewer and Water Districts (WASWD) on potential 2023 legislation regarding biosolids management and other topics of interest to wastewater utilities. The District will provide an update of the items most applicable to the Alliance responsibilities at the meeting.
4. Member Agency and Public Engagement Services. Several efforts are underway to keep the public, elected officials and offices, and Member agency staff updated on the work of the Alliance:
- *Quarterly E-News Blast.* The Alliance has continued to utilize the quarterly email format to provide updated information to interested parties.
 - *Website Updates.* The Alliance website has been updated to reflect the next phase of construction activity to provide a convenient location for communication with the public. Updates include an interactive map to learn more about the projects and potential traffic impacts during the different phases of construction.
 - *Treatment Plant Tours.* The Alliance provides tours on an ongoing basis for local, state, and federal officials. A key focus of the tours over the last two years was to introduce state legislators to the Salmon Creek Treatment Plant regional facility and to provide a briefing on key policy considerations. A summary of these tours will be provided at the Board meeting.

ACTION REQUESTED: No specific action required. Please provide policy-level guidance for the various Administrative Lead activities described in this report.

Attachment A



Cantwell Non-Defense Appropriations Request Form - FY24 (Discovery

Clean Water Alliance: Salmon Creek Wastewater Treatment Plant Energy Efficiency and Modern)

Name & Contact Info

David Hodges
Mobile: 360.521.1476
davidh@cfmpdx.com

Mailing Address

311 Massachusetts Avenue NE #2
Washington DC 20002

Permanent Address

311 Massachusetts Avenue NE #2
Washington DC 20002

** indicates a required field.*

Section 1. Funding Request

1. Requesting Entity *

Discovery Clean Water Alliance

2. City or Region *

Vancouver

3. County *

Clark

4. Relevant Appropriations Bill *

Interior-Environment

5. Is this a Congressionally Directed Spending Request *

NOTE: If yes, all sub-questions are required.

Yes

5.1 FY 2024 Funding Request Amount

3000000

5.2 Specific Account

Please select from the below accounts that are eligible for Congressionally Directed Spending (CDS).

NOTE: See below for potential eligibility restrictions for different accounts.

Agriculture & Rural Development – Rural Development – Distance Learning, Telemedicine, and Broadband Program Grants (DLT)

- Broadband deployment is not an eligible use of funds for DLT.

Agriculture & Rural Development – Agriculture Research Service – Building and Facilities (ARS B&F)

- Only existing facilities or facilities where funding has been provided in the past are eligible for ARS B&F funds.

Commerce, Justice & Science – DOJ Byrne Discretionary

- Funding cannot be used for construction or land acquisition

Energy & Water Development – Department of Energy

The following projects are not eligible for funding under DOE programs:

- Projects that do not follow statutory cost sharing requirements.
- Projects that require multiple years of funding.
- Construction of buildings or new facilities (no brick and mortar), even if it will have clean energy associated with it.
- Vehicle charging projects, unless the project is connected to larger clean energy sources (like a battery) or has clean energy applications beyond the charging station.
- Electrical substation replacement or routine grid upgrades that could otherwise be funded under ratepayer contracts or through existing federal incentives.
- Planning studies for a forthcoming project.

Financial Services and General Government – Small Business Administration

- Funding cannot be used to provide seed capital for small businesses nor can it be used by the CDS recipient to make grants/loans

Financial Services and General Government – General Services Administration, Federal Buildings Fund, Construction and Acquisition or Repairs and Alterations Accounts

- Eligible projects do not include state or county facilities, DOD facilities, VA facilities, or transportation infrastructure facilities. The recently-enacted Infrastructure legislation [IIJA] provided funding to complete all land ports-of-entry projects on GSA planning lists.

Interior/Environment - EPA Clean Water & Drinking Water CDS

- The following activities are not eligible for Clean Water CDS: Operations and maintenance; non-municipal point source control; acid drainage correction; ambient water quality monitoring; flood control (unless managing, reducing, treating, or recapturing stormwater); privately owned sewer pipes. The following activities are not eligible for Drinking Water CDS: dams; operations and maintenance; water rights; laboratory fees for monitoring; fire protection; projects primarily intended to serve future growth.

Interior/Environment - Projects on Agency Lists

- CDS requests will only be considered for projects that are not included in the President's budget request or for funding levels that are above the amounts provided in the President's budget request. There will be a high bar for considering any projects not present on the current year's agency lists.

Interior/Environment - BIA - Operation of Indian Programs

- CDS projects for individual Tribes are not eligible. Requests from other eligible entities that honor the commitment to invest in Tribal communities, create economic opportunities, foster cultural heritage, promote efficient and effective Tribal governance, and conserve natural resources are eligible.

Labor/Health & Human Services/Education - Labor - Employment and Training Administration

- Funding cannot be used for construction or renovation of facilities or the purchase of land or buildings, and recipients may not sub-grant to other organizations or agencies.

Labor/Health & Human Services/Education - Health Resources and Services Administration (HRSA)

- Health Facilities Construction and Equipment funding cannot be used to acquire land, purchase existing buildings, pay salaries, or pay for work that is already completed.
- Health Facilities Construction and Equipment requests cannot exceed \$15 million.

- All HRSA CDS recipients may not sub-grant to other organizations or agencies.

Labor/Health & Human Services/Education - Substance Abuse and Mental Health Services Administration (SAMHSA)

- SAMHSA funding cannot be used for projects that distribute sterile needles or syringes for IV drug injection or promote the legalization of illegal drugs or substances. CDS funding within SAMSHA cannot be used for construction (other than a limited amount of renovation necessary to carry out a funded project), and SAMHSA CDS recipients may not sub-grant to other organizations or agencies.

Labor/Health & Human Services/Education - Administration for Children and Families (ACF)

- CDS funding within ACF cannot be used for construction or renovation of facilities, and ACF CDS recipients may not sub-grant to other organizations or agencies.

Labor/Health & Human Services/Education - Administration for Community Living (ACL)

- CDS funding within ACL cannot be used for construction or renovation of facilities, and ACL CDS recipients may not sub-grant to other organizations or agencies.

Labor/Health & Human Services/Education - Education Accounts

- Education CDS funding cannot be used for construction or renovation of school buildings/ facilities, except in the case of minor remodeling or minor alterations in a previously completed building, for example as part of technology upgrades.

Transportation/Housing & Urban Development – ALL Accounts

- CDS funding cannot be used for operational expenses or administrative salaries and benefits

Transportation/Housing & Urban Development – Economic Development Initiatives (EDI)

- Reimbursement of expenses incurred prior to the enactment of a final FY24 appropriations bill is not permitted.

EPA - State & Tribal Assistance Grants - STAG Infrastructure Grants

5.3 Title of Proposal

Salmon Creek Wastewater Treatment Plant Energy Efficiency and Modernization Upgrades

5.4 Problem/Issue Statement

Please describe the problem or issue to be addressed through this request. Be as detailed as possible, and explain why the problem or issue cannot be addressed without federal funding. Please explain why this should be considered a priority project.

The Discovery Clean Water Alliance (Alliance) is a partnership between Clark Regional Wastewater District, Clark County and the Cities of Battle Ground and Ridgefield to provide wastewater treatment services to approximately 25% of Clark County's population. These services are delivered by the nearly 50-year-old Salmon Creek Treatment Plant (SCTP), which requires ongoing investments to ensure it can continue to provide wastewater treatment services that are reliable, efficient, environmentally friendly, and affordable. Within the next six years, the Alliance must invest \$88 million in capital projects to ensure the SCTP continues to provide its critical service to the Alliance's ratepayers.

These upcoming investments are necessary and significant for a utility the size of the Alliance. Congressional funding provides an opportunity for the Alliance to accelerate replacement of equipment directly tied to the treatment process—dewatering equipment and an ultraviolet (UV) disinfection system—that are not only inefficient when compared to modern technology but are requiring increased maintenance and repair. Replacement of this equipment will directly benefit the environment by decreasing energy consumption, decreasing negative impacts from truck hauling, and returning more water back to the natural environment.

5.5 Request Description, Purpose, and Activities to be Funded

Please describe the services and/or products that will be provided and the reasons for your request in non-technical language. This question is aimed at understanding the reason(s) for your request. Please provide a budget breakdown for the project if possible. Supplemental documents can also be attached with your application along with the required letters of support.

NOTE: All applicants are required to complete this section. Some accounts require the additional specific information below:

Agriculture & Rural Development – Agriculture Research Service – Building and Facilities (ARS B&F)

- Only existing facilities or facilities where funding has been provided in the past are eligible for ARS B&F funds. Not for new construction.

Agriculture & Rural Development – Rural Development – Community Facilities Grants

- The Community Facilities (CF) Grant program has a match requirement on a sliding scale based on community population size and median income. In order to determine whether a project is eligible, you are required reach out to your state Rural Development office.
- Please list your communities' population size.
- Please list the median household income of the proposed service area.
- Is the median household income of the proposed service area below the poverty line?
- What is the communities' median household income as a percentage of the State nonmetropolitan median household income?

Agriculture & Rural Development – Rural Development – Distance Learning, Telemedicine, and Broadband Program Grants (DLT)

- Broadband deployment is not an eligible use of funds for DLT.

Agriculture & Rural Development – Natural Resources Conservation Service – Watershed and Flood Prevention Operations (WFPO)

- Please list the local sponsor.
- You are required to reach out to the Natural Resources Conservation Service State Conservationist. You must confirm coordination with the state conservationist in your application.
- Please indicate for which phase of the project funding is requested.

Commerce, Justice & Science - ALL Eligible Department of Justice Accounts

- Explain how funding towards the project will be spent (i.e., \$X for salaries; \$X for programming; \$X for equipment; etc.) Please be specific when describing the activities and expenditures.
- Describe what performance standards will be used to measure whether this project has achieved its objectives.

Energy & Water Development – Department of Energy

- Successful projects will be in line with current Department of Energy missions that focus on transformative science and technology research, development, and demonstration. Please describe how your project is in line with this focus.
- Would this project be eligible for funding through tax credits or federal incentives?
- Statutory cost sharing for DOE projects depends on the scope and technological maturity of the project. R&D projects of an applied nature have a 20 percent minimum cost share. Demonstration or commercial application projects have a 50 percent minimum cost share. R&D projects of a basic or fundamental nature as well as outreach and educational projects have no minimum cost share. What non-federal cost share is associated with this project?

Financial Services and General Government – ALL Eligible Accounts

- Provide a detailed summary of the project including its purpose, goals, history and current status.
- Provide an estimated spend plan for the requested funding, breaking down anticipated expenditures in major categories (i.e., \$X for salaries; \$X for programming; \$X for equipment; etc.).
- Provide a website for the project if available.

Homeland Security - FEMA - Emergency Operations Center

- Requested projects must meet the eligibility requirements of the Emergency Operations Center grant program, including the cost-share requirement and environmental and historic preservation requirements. Funding recipients must be governmental or non-profit entities. For-profit entities are not eligible to receive funding.
- For any project request, the state administrative agency (SAA) must submit an application to the Federal Emergency Management Agency, and that agency will serve as the administrative agent for the grant. Therefore, all project proposals must be accompanied by a letter of support from the appropriate SAA affirming that it believes the project is eligible.

Homeland Security - FEMA - Pre-Disaster Mitigation

- Requested projects must meet the eligibility requirements of the Pre-Disaster Mitigation (PDM) grant program, including non-federal cost-share requirement, benefit cost ratio, and environmental and historic preservation requirements.
- For any project request, the state agency responsible for administering mitigation grants in the requestor's state must submit an application to the Federal Emergency Management Agency, and that entity will serve as the administrative agent for the grant. Therefore, all project proposals must be accompanied by a letter of support from the appropriate state agency affirming that it believes the project is eligible.

Interior/Environment - EPA - Clean Water & Drinking Water Infrastructure

- Is the project on the state's most recently finalized Clean Water or Drinking Water State Revolving Fund Intended Use Plan?
- What is the project purpose, e.g., drinking water, wastewater, stormwater, and/or water quality protection?
- How will the project help the recipient meet applicable water standards—e.g. improve drinking water quality or improve surface/groundwater quality?
- Is this project primarily to support existing water needs or to support future growth? Note that projects primarily to support future growth are typically ineligible for State Revolving Funds.
- Is this request seeking funding for planning and design, construction, or both?
- Describe the project recipient—are they a municipality? Public water system? Other public entity?
- What is the total estimated cost of the project, based on the facilities plan or preliminary engineering report?
- Is the amount requested scalable to a lower amount and if so, what is the minimum amount?
- Please list any funding received from federal appropriations, including the fiscal year, amount, and source of funding (Clean Water SRF, Drinking Water SRF, STAG grants, USDA Rural Development Program, FEMA, or others)?
- Does the community have a financing plan certified by an authorized local official demonstrating how it will cover the matching funds of 20% or more?
- What are the anticipated non-federal sources of funding for this project?

Interior/Environment - IHS – Sanitation Facilities Construction

- What is the project purpose, e.g., drinking water, wastewater, stormwater, and/or water quality protection?
- Is the amount requested scalable to a lower amount and if so, what is the minimum amount?
- Is this request seeking funding for planning and design, construction, or both?
- Is the preliminary planning and engineering design completed for this project?
- When will this project be ready to proceed to construction?
- What is the total estimated cost of the project, based on the facilities plan or preliminary engineering report?
- Please list any funding received from federal appropriations, including the fiscal year and source of funding (Clean Water SRF, Drinking Water SRF, STAG grants, USDA Rural Development Program, FEMA, or others), if applicable?
- If applicable, does the community have a financing plan?

Interior/Environment - USFS– State & Private Forestry – Forest Resource Information & Analysis

- Is the project part of a state Forest Action Plan or otherwise ranked in a prioritized list (provide list name and rank)?
- How does this project contribute to the state Forest Action Plan?
- What is the federal nexus for this project and why should there be a federal funding component?
- Has this project received previous federal funds (provide year, amount, and program)?
- What is the total cost of the project? Are there matching funds or partner contributions?
- Is the amount requested scalable to a lower amount and if so, what is the minimum amount?
- What is the timeline for this project?
- Describe how the project will conserve and steward working forests or open space, protect forest health from insects and disease, meet urban and community forestry goals, create opportunities for innovative wood use, improve fire mitigation efforts, or otherwise benefit communities and forested lands.

Labor/Health & Human Services/Education - ALL Eligible Accounts

- Explain how funding towards the project will be spent (i.e., \$X for salaries; \$X for programming; \$X for equipment; etc.) and how each category of funding will support the project's purpose and goals. Please be specific when describing the activities and expenditures.
- Describe what performance standards will be used to measure whether this project has achieved its objectives.

Labor/Health & Human Services/Education - Employment & Training Administration (ETA)

- Include a basic budget that clearly describes how the funds will be used for specific activities to achieve the project's goals
- Describe how project outcomes will be measured.
- Describe/demonstrate a linkage with the state or local workforce investment system.

Transportation/Housing & Urban Development - Airport Improvement Program (AIP)

- Ensure the project is eligible under chapter 471 of title 49, United States Code (<https://www.faa.gov/airports/aip/overview>).
- NOTE: As AIP CDS follows the existing AIP statute, the Federal cost-share requirements still apply to CDS. For large and medium primary hub airports, CDS can cover 75 percent of eligible costs (or 80 percent for noise program implementation). For small primary, reliever, and general aviation airports, CDS can cover a range of 90-95 percent of eligible costs, based on statutory requirements.
- Provide a link to the airport master plan that includes the requested project and cite the page number. The request must be listed in the airport master plan to be eligible for funding.
- Provide details on the status of planning and environmental work.
- Provide details on all other sources of funding contributing to the total cost of the project.

Transportation/ Housing & Urban Development – FAA Facilities and Equipment (F&E)

- The FAA F&E account CDS requests are only for terminal air traffic control tower facility replacement projects eligible under part A of subtitle VII of title 49, United States Code.
- Provide a link to the Airport Master Plan where the project is listed and cite the page number. The request must be listed in the airport master plan to be eligible for funding.
- Provide a statement of why the tower needs to be replaced. Provide the age of the tower, number of enplanements, operational line of sight issues, other related infrastructure work not covered by the cost of replacing the air traffic control tower (roads, utilities, etc.) and any other information to justify the project.
- Provide the status of planning and environmental work.
- Provide information on how CDS funding will ensure completion of the project or segments of a project, including the total cost of the project, the CDS funding amount, and any other identified sources of funding.

Transportation/Housing & Urban Development - Consolidated Rail Infrastructure and Safety Improvement Program (CRISI)

- Provide a link to the State Rail Plan where the project is listed and cite the page number. The request must be listed in the State Rail Plan to be eligible for funding.
- Requests can be submitted for rail projects that are not currently on the State Rail Plan but for which a State rail agency or State DOT has provided a letter confirming that: (1) the project is eligible for rail funding under section 22907 of title 49, United States Code; (2) the State rail agency, State DOT, or other relevant State agency is willing to carry out the project if funding is enacted; and (3) the State rail agency or State DOT will include the project on the State Rail Plan once funding for the project is enacted.
- Provide the status of planning and environmental work.
- Provide details of all other sources of funding contributing to the total cost of the project.

Transportation/Housing & Urban Development – Highway Infrastructure Program (HIP)

- Requests must be eligible under title 23, United States Code, including but not limited to, highway and bridge construction projects, planning, environmental review, design, and right-of-way acquisition.
- All highway CDS funds will be provided directly to the State Department of Transportation. Local or county level government requesting CDS funding will be required to coordinate with the State DOT to receive funding and ensure a non-Federal match is available. The only exception is if the project is intended to be for a Tribal Government.
- Provide a link to the Statewide Transportation Improvement Program (STIP) OR a Transportation Improvement Plan (TIP) where the project is listed and cite the page number. The request must be listed in the STIP or TIP to be eligible for funding.
- Requests can be submitted for highway projects that are not currently on the STIP or TIP but for which a state DOT has provided a letter confirming that: (1) the project is eligible for Federal-aid highway funding under title 23, United States Code; (2) the State DOT is willing to carry out the project if funding is enacted; and (3) the State DOT will include the project on the STIP or TIP once funding for the project is enacted.
- Provide the status of planning and environmental work
- Provide information for the State DOT only

Transportation/ Housing & Urban Development - Transit Infrastructure Grants (TIG)

- Requests must be eligible under chapter 53 of title 49, United States Code.
- Provide a link to the Statewide Transportation Improvement Program (STIP) OR a Transportation Improvement Plan (TIP) where the project is listed and cite the page number. The request must be listed in the STIP or TIP to be eligible for funding.
- Requests can be submitted for highway projects that are not currently on the STIP or TIP but for which a state DOT has provided a letter confirming that: (1) the project is eligible for Federal-aid highway funding under title 23, United States Code; (2) the State DOT is willing to carry out the project if funding is enacted; and (3) the State DOT will include the project on the STIP or TIP once funding for the project is enacted.
- Provide the status of environmental and planning work

Transportation/Housing & Urban Development – Economic Development Initiatives (EDI)

- Provide a link to the project website or, if the project is included in an existing CDBG Consolidated Plan or Annual Action Plan, a link to that plan.
- Provide a description of how EDI funds would be used and the status of the planning and environmental review work
- Must confirm ability to comply with Federal requirements, including the Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards at 2 CFR Part 200, the National Environmental Policy Act (NEPA), HUD's NEPA-implementing regulations at 24 CFR Part 50 or 24 CFR Part 58, and all appropriate Federal environmental and historic preservation laws, regulations, and Executive Orders.

The project will replace dewatering equipment and a UV disinfection system with modern technology that will provide considerable energy savings and increase the reliability over the existing equipment that has reached the end of its useful life.

STAG Questions

Is the project on the state's most recently finalized Clean Water or Drinking Water State Revolving Fund Intended Use Plan? **No**

What is the project purpose, e.g., drinking water, wastewater, stormwater, and/or water quality protection? **Wastewater**

How will the project help the recipient meet applicable water standards—e.g. improve drinking water quality or improve surface/groundwater quality? **This request improves the performance and reliability of critical wastewater treatment processes and therefore help the Alliance meet its obligations under Clean Water Act operating permits administered by the Washington State Department of Ecology (e.g., NPDES Permit No. WA0023639). Improved reliability of these systems is critical to protecting the Columbia River as the receiving stream for the flows from the Salmon Creek Treatment Plant.**

Is this project primarily to support existing water needs or to support future growth? Note that projects primarily to support future growth are typically ineligible for State Revolving Funds. **Existing needs**

Is this request seeking funding for planning and design, construction, or both? **Both**

Describe the project recipient—are they a municipality? Public water system? Other public entity? **The Discovery Clean Water Alliance is a public wastewater utility formed through an Interlocal framework established under the Joint Municipal Utility Services Act (JMUSA), RCW 39.106. Interlocal Formation Agreement (IFA) Section IV.B provides for a Board of Directors to serve as a governing body for the Alliance. The Alliance is governed by its members that include Clark Regional Wastewater District, Clark County, City of Ridgefield, and the City of Battle Ground.**

What is the total estimated cost of the project, based on the facilities plan or preliminary engineering report? **\$8,800,000**

Is the amount requested scalable to a lower amount and if so, what is the minimum amount? **If the request was reduced the Alliance could forego purchase of certain equipment but that would limit the benefits of the project.**

Please list any funding received from federal appropriations, including the fiscal year, amount, and source of funding (Clean Water SRF, Drinking Water SRF, STAG grants, USDA Rural Development Program, FEMA, or others)? **None**

Does the community have a financing plan certified by an authorized local official demonstrating how it will cover the matching funds of 20% or more? **Yes**

What are the anticipated non-federal sources of funding for this project? **Approximately 66%**

5.6 Please provide a project budget breakdown for the project, if possible

Dewatering Equipment Replacement

Engineering, Permitting, and Commissioning	\$700,000
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Dewatering Equipment Procurement	\$2,200,000
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Equipment Installation Contract	\$2,100,000
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UV Disinfection System Replacement

Engineering, Permitting, and Commissioning	\$1,000,000
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UV Disinfection Equipment Procurement	\$950,000
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Equipment Installation Contract	\$1,850,000
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Total Project Cost	\$8,800,000
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5.7 Project Goals & Results

Please describe the measurable goals and expected results of this project, including any relevant timelines, and describe how the project's performance will be measured and tracked. For construction projects, please provide a timeline, describe current project status, and provide estimated time of project completion.

NOTE: All requests are required to complete this section. Some accounts require additional specific information:

Transportation/Housing & Urban Development - ALL Transportation Projects

- Describe the project's timeline, what phases have been completed, what phase the project is currently in, and when construction is anticipated to start and finish.

This CDS request will support replacement of two equipment systems that are inefficient and at the end of their useful life. Specifically, the replacement of nearly 30-year-old dewatering equipment and a similarly aged UV disinfection system. Project success will be evaluated based on the replacement of this equipment and its anticipated benefits described below.

Replacement of two belt-filter presses (dewatering equipment) with screw press technology will reduce operating cost, improve environmental quality, and reduce fossil fuel consumption while increasing road safety through benefits associated with a reduction in truck hauling. New screw press dewatering equipment will reduce the overall volume of biosolid materials—the final product of the wastewater treatment process that must be hauled away—by as much as 28% while using up to 20% less energy and will reduce the usage of polymer, a key compound used in the wastewater treatment process, by 25%. The reduction in biosolids volume will result in 50 fewer long haul truck trips, a reduction of 18,000 miles of heavy trucks on the road and 1,800 gallons of diesel fuel per year. All told, in addition to the overall environmental benefits, this will save the Alliance about \$125,000 per year while improving environmental quality and safety from reduced truck traffic in neighborhoods surrounding the treatment plant (see included support letter from the Felida Neighborhood Association). Finally, the new screw press dewatering equipment will enable the Alliance to return approximately 350,000 additional gallons of water per year back to the natural environment when compared to the current equipment.

Replacement of the current UV disinfection system will further improve environmental quality through a 66% reduction in power usage and a reduction in chemical use for cleaning bulbs, while also improving human health through more efficient disinfection. This replacement will save the Alliance an estimated \$15,000 per year while benefiting the community at large by allowing the treatment plant to operate with less energy, which is supported by the Clark Public Utilities (see Clark PUD support letter). Due to the age of the current UV disinfection system, the manufacturer is no longer producing replacement parts, so the project is also expected to eliminate timely and costly workarounds for maintenance and repairs.

5.8 Washington State Communities Benefited by This Request

Cities, counties (if multiple), regions, etc.

Ratepayers in cities of Ridgefield, Battle Ground and incorporated Clark County who benefit from the Salmon Creek Wastewater Treatment Plant.

5.9 Economic & Community Impact

Briefly describe the economic and/or community impacts of this project. For many projects, this impact can be expressed in the total number of jobs and economic activity created or sustained directly and indirectly, or investment stimulated. For these, please list the type of jobs and where those jobs are located. Other requests will yield outcomes other than job creation. For these, please provide a specific and detailed description of the community impacts. Please provide information estimating the number of individuals the project may serve if applicable.

Replacing the SCTP dewatering equipment will reduce truck hauling of biosolid material from the treatment plant by 28 percent—which travels through dense residential areas in Vancouver’s Felida and Salmon Creek neighborhoods while also reducing energy consumption by 20%. The new equipment will also enable the Alliance to return approximately 350,000 additional gallons of water per year back to the natural environment. Replacement of the UV disinfection system will further improve environmental quality for the community by reducing power usage by 66% and reducing chemicals used for cleaning the antiquated bulbs today. All told, these upgrades environmental benefits will save the Alliance’s ratepayers \$140,000 a year. The construction projects would also employ skilled mechanical, electrical, and general construction trades at prevailing wage rates during the implementation phase, estimated at a crew of 8 working for 12 months (approximately six months for each project).

5.10 Estimated Total Project Cost (\$)

Please list the total projected costs for this project, including all federal and non-federal sources of funding.

8800000

5.11 Has This Project Received Additional Federal Funding, or Has the Requesting Entity Applied For Federal Funding for this Project, in the Last Five Years?

No

5.12 If you Answered 'Yes' to the Above Question, Please Describe

Describe all federal funding received for this project, along with applications for federal funding, successful or unsuccessful, in the last five years.

No answer.

5.13 Non-Federal Funding Sources

Please describe the sources, either secured or anticipated, of non-federal funding for this project. Include sources, amounts, and fiscal years if possible.

The local match (\$5,800,000) will be provided from the Regional Service Charges paid to the Alliance from ratepayers in the Battle Ground and Clark Regional Wastewater District service areas.

5.14 Is the Requesting Entity Eligible to Enter into a Grant Agreement with a Federal Agency and Administer the Grant?

NOTE: Only nonprofit (Sec. 501) entities are eligible for Congressionally-Directed Spending.

Yes

5.15 Requesting Entity Federal Employer Identification Number

Please provide your nine-digit Federal Employer Identification Number (EIN). If the funding will ultimately be administered through the federal government (ie Army Corps of Engineers projects), please disregard.

46-1731393

5.16 Project Website

<https://www.discoverycwa.org/scwwtp>

5.17 Has the Requesting Entity Previously Requested Congressionally Directed Spending for This Project or Another Phase of this Project?

Yes

6. Is This a Programmatic Funding Request? *

NOTE: If yes, all sub-questions are required.

No

6.18 FY 2024 Funding Request Amount

No answer.

6.19 Specific Agency

No answer.

**6.20 Specific Line Item
(if applicable)**

No answer.

6.21 Amount Requested in the President's FY 2024 Budget

No answer.

6.22 Amount Included in the FY 2023 Enacted Bill

No answer.

6.23 Justification of Request

Please explain your justification of this request, including a description of how funding will be used, relevance and impact to Washington state, and how the specific funding amount will help achieve desired goals.

No answer.

7. Is This a Language Request? ***NOTE:** If yes, all sub-questions are required.

No

7.24 Specific Agency*No answer.***7.25 Specific Program/Account***No answer.***7.26 Language Type***No answer.***7.27 Proposed Language***No answer.***7.28 Justification of Request**

Please explain your justification of this request, including relevance to Washington state.

*No answer.***8. Priority Ranking of Proposal (if multiple proposals are being submitted by the same entity) ***If you have already submitted programmatic and language requests and are submitting multiple Congressionally Directed Spending requests, rank order **only** those CDS requests.

1

9. Was This Request Submitted to Another Member of the Washington Delegation? *

Select all that apply.

Murray, Gluesenkamp Perez,

Section 2. Contact Information

1. Name of Organization *

Discovery Clean Water Alliance

Primary Point of Contact**2. Name ***

John Peterson

3. Title *

Executive Director

4. Address Line 1 *

8000 NE 52nd Court

5. Address Line 2*No answer.***6. City ***

Vancouver

7. State *

WA

8. Zipcode *

98665

9. Phone Number *

360.993.8819

10. Email Address *

jpeterson@crwwd.com

Head of Organization / Department / Agency (This point of contact cannot be a lobbyist or external entity)**11. Name ***

John Peterson

12. Title *

Executive Director

13. Address Line 1 *

8000 NE 52nd Court

14. Address Line 2*No answer.***15. City ***

Vancouver

16. State *

WA

17. Zipcode *

98665

18. Phone Number *

360.993.8819

19. Email *

jpeterson@crwwd.com



March 2, 2023

The Honorable Maria Cantwell
United States Senate
511 Hart Senate Office Building
Washington, DC 20510

Dear Senator Cantwell:

Thank you for your consideration of Discovery Clean Water Alliance's FY 2024 Congressional funding request. On behalf of the Discovery Clean Water Alliance (Alliance), I am pleased to verify our commitment and intent to provide any local match and adhere to any requirements associated with our submission should Congressional funding for the below project become available.

The Alliance is submitting the following project as you consider this year's appropriations requests:

Salmon Creek Wastewater Treatment Plant Energy Efficiency and Modernization Upgrades Project: This funding request represents an opportunity for the Alliance to accelerate replacement of equipment directly tied to the treatment process—dewatering equipment and an ultraviolet (UV) disinfection system—that are not only inefficient when compared to modern technology but are requiring increased maintenance and repair. Replacement of this equipment will directly benefit the environment by decreasing energy consumption, decreasing negative impacts from truck hauling, and returning more water back to the natural environment.

Once again, thank you for your consideration of this request and your ongoing support of the Alliance. Should you or your staff have any questions, please feel free to contact me at (360) 993-8819 or jpeterson@crwwd.com.

Sincerely,

John M. Peterson, P.E.
Executive Director



City of Battle Ground

City Hall • Executive Department

109 SW 1st Street, Suite 221 • Battle Ground, WA • (360) 342-5000 • www.cityofbg.org

February 22, 2023

John M. Peterson, P.E.
Executive Director
Discovery Clean Water Alliance
8000 NE 52nd Court
Vancouver, WA 98665

RE: **Congressionally Directed Spending/Community Project Funding for Salmon Creek Wastewater Treatment Plant Energy Efficiency and Modernization Upgrades**

Dear Mr. Peterson:

On behalf of the City of Battle Ground, I write to express our support for the request by the Discovery Clean Water Alliance (Alliance) for congressional funding to replace dewatering equipment and a UV disinfection system at the Salmon Creek Wastewater Treatment Plant (SCTP). As a member of the Alliance, the City of Battle Ground and our more than 22,000 residents stand to benefit from the completion of these projects.

SCTP is a critical infrastructure asset that provides an invaluable service to our community and the region. Along with other Alliance members, we recognize the need for continual system investments, not only to safeguard continuity of operations, but also to ensure the Alliance continues its good stewardship of the environment. The replacement of the current dewatering equipment and the UV disinfection system increases service reliability and reduces energy reliance, decreasing the overall climate impact of SCTP.

In addition, the replacement of the dewatering equipment will ensure the Alliance continues to act as a good neighbor to its regional partners, reducing the required biosolids hauling by trucks moving through area neighborhoods.

Like other Alliance Board Members, the City of Battle Ground is confident this federal investment will be put to work quickly, spent on a high value asset serving multiple Clark County communities, and help the Alliance to meet its obligation to make strategic investments that can reduce its overall impact to the environment.

As ever, the City of Battle Ground remains committed to efficient government and a healthy environment and we thank you for your leadership on this Congressional funding request.

Sincerely,

A handwritten signature in blue ink, appearing to read "R. Ferrier".

Robert Ferrier
Deputy City Manager

cc: Battle Ground City Council
Erin Erdman, City Manager
Mark Herceg, Public Works Director



February 24, 2023

John M. Peterson, P.E.
Executive Director
Discovery Clean Water Alliance
8000 NE 52nd Court
Vancouver, WA 98665

**RE: Congressionally Directed Spending/Community Project Funding for Salmon Creek
 Wastewater Treatment Plant Energy Efficiency and Modernization Upgrades**

Dear Mr. Peterson,

On behalf of the City of Ridgefield, a Board of Directors Member for the Discovery Clean Water Alliance (Alliance), I write to express Ridgefield's strong support for your Congressional funding request to replace dewatering equipment and a UV disinfection system at the Salmon Creek Wastewater Treatment Plant (SCTP). As one of the Member organizations that make up the Alliance, our community stands to directly benefit from the completion of these projects.

The SCTP is a critical infrastructure asset that provides our community with an invaluable service that plays a role in allowing us to thrive. As you know, the Alliance takes their responsibility seriously and needs to make significant investments in this regional system to not only ensure reliable operations but also to do so in a way that is environmentally responsible. Two key needs and opportunities exist with the replacement of the current dewatering equipment and the UV disinfection system that will not only ensure increased reliability but also do so in a way that decreases the reliance on energy, thus reducing the plant's overall climate impacts.

In addition, the replacement of the dewatering equipment will ensure the Alliance continues to be a good neighbor. The replacement of this antiquated equipment will reduce the required biosolids hauling by truck moving through area neighborhoods.

We're confident this federal investment will be put to work quickly, spent on a high value investment, and will allow the Alliance to make needed and strategic investments to reduce its overall impacts to the environment.

As your partners commitment to efficient government and a healthy environment, we thank you for putting this forward as a Congressional funding request.

Sincerely,

A handwritten signature in black ink, appearing to read "Steve Stuart", with a stylized, elongated flourish extending to the right.

Steve Stuart, City Manager
City of Ridgefield



Commissioners

Nancy E. Barnes
Jim Malinowski
Jane A. Van Dyke

*Chief Executive Officer/
General Manager*

Lena Wittler

February 24, 2023

John M. Peterson, P.E.
Executive Director
Discovery Clean Water Alliance
8000 NE 52nd Court
Vancouver, WA 98665

RE: Congressionally Directed Spending/Community Project Funding for Salmon Creek
Wastewater Treatment Plant Energy Efficiency and Modernization Upgrades

Dear Mr. Peterson,

On behalf of Clark Public Utilities please accept this letter as a demonstration of our organization's strong support for the Discovery Clean Water Alliance's (Alliance) Congressional funding request to upgrade and replace a UV disinfection system and dewatering equipment that is anticipated to provide significant energy savings.

The Alliance's request aligns with Clark Public Utilities' goals of working with our large energy consumer customers to reduce energy waste through efficient process optimization and equipment improvements. An upgraded UV system alone is anticipated to save 315,000 kWh in energy consumption each year. This benefits Clark Public Utilities' overall operations and the greater community that we serve. Clark Public Utilities also supports the dewatering improvements which lead to reduced numbers of trucks hauling through the neighborhood near the facility, along with the related reduction in diesel fuel consumption. These benefits are good for the Alliance, Clark Public Utilities, and the community at large.

Once again, we're pleased to support this request and appreciate the Alliance's ongoing work to improve its energy efficiency.

Sincerely,

A handwritten signature in blue ink that reads "Dan Bedbury". The signature is fluid and cursive.

Dan Bedbury
Director of Energy Resources

FELIDA NEIGHBORHOOD ASSOCIATION BOARD

Felida NA, c/o M. Allen, President, P.O. Box 61552, Vancouver, WA 98666

February 21, 2023

John M. Peterson P.E.,
Executive Director
Discovery Clean Water Alliance
8000 NE 52nd Ct.
Vancouver, WA 98665

Subject: Letter of Support for the Discovery Clean Water Alliance's request to allocate funds from the current Congressionally Directed Spending for the Salmon Creek Wastewater Treatment Plant 's Project

Dear Mr. Peterson:

This letter is written on behalf of the Felida Neighborhood Association's (Felida **NA's**) **Board¹ to support the Discovery Clean Water Alliance's request for funding of the Salmon Creek Wastewater Treatment Plant's (SCWTP) Project from the Congressionally Directed Spending.** This project is proposing to replace existing, 25-year old de-watering equipment with technologically improved, more efficient/effective de-watering equipment that can reduce volume of remaining bio-solids, by almost 30%. Decreasing volume will also reduce truck trips, gas consumption, emissions, vehicle repairs, maintenance, and labor costs for hauling final bio-solids off-site.²

The **Salmon Creek Wastewater Treatment Plant (SCWTP)** is the main part of the crucial Clark County wastewater treatment infrastructure -- providing services in compliance with, and in conjunction with the federal, state, and local regulations to make our communities livable and safe pursuant to public health/safety and development/industry-specific laws, codes/standards. **SCWTP's main facility (final wastewater destination), sewer pipeline/pump station, and wastewater treatment support/processing facilities are located within Felida NA boundary.** Three major areas of wastewater collection, management, processing, and final distribution of the bio-solids are located in Felida NA:

- 1) The SCWTP is located in the north-west portion of the Felida NA -- adjacent to several subdivisions on three sides, **Salmon Creek** on the north, and flows into **Lake River** on the west -- both are in the "red zone"/"worst condition" of the **Salmon Creek Watershed.**
- 2) One off-site support facility is in the North-east portion of the Felida NA by **Klineline Pond/Salmon Creek trail/Salmon Creek Soccer fields** flats, and NW 119th Street.
- 3) One pump station is located west and adjacent to the NW 36th Ave and Salmon Creek.

As the President of the **Felida NA Board -- representing one of the largest active NAs with 17,000+ residents and homeowners, including "ground zero"**

¹ Is an active **nonprofit**, 501(c)(3) community-based Neighborhood Association (not HOA) registered with and recognized by the Clark County Outreach Program, the State of Washington - SOS, and Internal Revenue Service for two decades. The elected Board members (all volunteers, no staff) are residents and a business representative within the Felida NA boundary. (N -Salmon Creek, E - 1-5, S - NW 104th St., W - Lake River/Clark County boundary.)

² with lower content of bulky, heavy liquids harder to transport.

community members who are also wastewater service ratepayers, and income/property taxpayers. I have been contacted by many community members - living on/along NW McCann Road, NW 36th Avenue, and in adjacent subdivisions regarding their concerns with increasing daily trips by large trucks removing "sludge, waste, and fertilizer" (i.e., bio-solids) and increased negative impacts in the "ground zero." Most complaints came from: parents with young children, grandparents, several foreign war veterans exposed to hazardous waste, special needs caregivers, and pet owners.

These and other community members understand that the SCWTP cannot invest several million dollars for equipment without increasing rates for all - including those in the "ground zero" areas. However, to do nothing is not an option.

Therefore, the **Felida NA Board recommends that the Discovery Clean Water Alliance's request for the SCWTP's Project is approved for payment from the above cited funding program.** This is an investment in the community that is necessary to facilitate purchase of new de-watering equipment and replace the 25-year-old equipment to:

- 1) reduce current and future bio-solids volume by almost 30% by utilizing new, technologically upgraded and more effective/ efficient de-watering equipment;
- 2) reduce diesel fuel, truck maintenance/replacement frequency, and labor costs,
- 3) minimize negative impacts on property owners, residents, businesses, schools, bikers, walkers, pets, landscaping, green canopy, subdivisions, parks, and "ground zero";
- 4) maximize effectiveness/efficiency of vital wastewater system, best management practices, and wastewater processing services needed to protect public health, safety, welfare, quality of life; natural resources, soil/air/water quality, and environment;
- 5) strategically control, manage, and prevent unintended negative impacts of current and future increase in volume of bio-solids parallel to population growth and commercial development generating revenue through sales, property, and federal taxes; and
- 6) facilitate sustainability and further investment resulting in economic growth; and
- 7) improve SCWT Plant's best management practices, operations, level of service, stewardship, accountability, efficiency and effectiveness of the local/regional wastewater treatment infrastructure, and soil/air/water quality and environment in "ground zero," Felida NA, Salmon Creek, Lake and Columbia Rivers, Salmon Creek Watershed and other communities county-wide.

If you have any questions and/or need more information, please do not hesitate to contact me at: 360-573-4030 or P.O. 61552, Vancouver, WA 98666.

On behalf of the Felida Neighborhood Association Board,



Dr. Milada Allen, President, Felida NA Board
(Former Clark County Planning Commissioner)
P.O. Box 61552, Vancouver, WA 98666

Cc: Felida NA Board members