

SUNSHINE COAST REGIONAL DISTRICT STAFF REPORT

TO: Committee of the Whole – November 14, 2024

AUTHOR: Remko Rosenboom, General Manager, Infrastructure Services

SUBJECT: **INFRASTRUCTURE SERVICES DEPARTMENT – 2024 Q3 REPORT**

RECOMMENDATION(S)

THAT the report titled Infrastructure Services Department – 2024 Q3 Report be received for information.

BACKGROUND

The purpose of this report is to provide an update on activities in the Infrastructures Services Department for the third quarter (Q3) of 2024: July 1 – September 30.

This report provides information on the Water, Wastewater, and Solid Waste Services provided by the several divisions within the department.

This report does not provide a detailed overview of all projects within the department, more detail is included in the Budget Project Status Report and is frequently presented to the Board.

Utilities Services Division [365, 366, 370]

The Utilities Services Division serves three water service areas, the North Pender Water Service Area [365], the South Pender Water Service Area [366], and the Regional Water Service Area [370]. The Regional Water Service Area includes the Chapman Water System as well as the smaller systems of Egmont, Cove Cay, Granthams Landing, Soames Point, Langdale, and Eastbourne. The Utilities Services Division is also responsible for the operation of 18 wastewater treatment facilities in Areas A, B, D, E, and F.

The Sunshine Coast Regional District (SCRD) water systems supply potable water to approximately 23,000 residents between Egmont and Langdale. This includes operations and maintenance of the Church Road Wellfield, Chaster Well, Langdale, Soames Point, Granthams Landing, Eastbourne (Keats Island), and Chapman/Gray Creek; including the Chapman Creek Water Treatment Plant, the South Pender Harbour Water Treatment Plant, Cove Cay, Egmont, and North Pender Harbour Water System. In addition to water for drinking, these water systems supply potable water used for fire protection, recreation (pools and ice rinks), industrial use, and irrigation.

Combined, the SCRD water systems consist of approximately 400 km of watermains, 19 storage reservoirs, six water pumping stations, 43 control valve stations, 1,488 fire

hydrants, four rechlorination stations, 11 water treatment facilities, approximately 11,516 water connections, and 18 wastewater treatment facilities.

This Quarterly Report includes information about larger capital works projects and noteworthy program developments, as well as monthly water distribution volumes for all water systems.

PROJECTS - CAPITAL WORKS

Watermain Replacement Program

- Eastbourne Watermain Burying
 - The issued for construction drawings are complete for the replacement and burying of the above-ground two-inch PVC pipeline on Keats Island. Archaeological permits have been received from three different First Nations. Project tendering for construction is pending formal archaeology reporting on the nature and location of an archaeology find.
- San Souci Bridge Watermain Replacement
 - This project provided for the relocation of the waterline from underneath and within the bridge structure to a new alignment adjacent to and parallel to the top of the bridge. The project was completed in Q3.
- Chapman Creek Watermain Coating
 - This project involved preparation, cleaning, and recoating of exposed watermain spanning across Chapman Creek. The original contract for one watermain rehabilitation was awarded to Jewel Welding Fabrication and Coatings Ltd. A budget increase to allow for rehabilitation of an additional two Chapman Creek crossings was approved at the April 25 Board meeting. The project was completed in Q3.
- Asbestos Cement Watermains Replacement Reed Road (Henry - Payne)
 - This project aims to complete the asbestos watermains replacement along Reed Road between Payne and Henry Road. Staff are preparing in house construction drawings and specifications to Tender for the machine work and materials. Changes to scope and other immediate priorities delayed completion of design, expected to complete in Q4 2024.

Water Projects

- Church Road Well Construction
 - The remaining environmental engineering to be completed includes the continued creek flow monitoring and the Adaptive Management Plan (AMP). The final AMP is in final draft stage waiting for the finalized Environmental

Flow Needs memo from Associated Environmental. The two-year compliance monitoring of Soames Creek began in July of 2023 as part of the operation of the water system. License to operate is in place and in good standing with the Province.

Budget: \$9,400,000 – 2020 additional funding 2023

Community engagement with regards to the Sodium Hypochlorite storage container was completed to address residents' concerns expressed via a petition. Alternate solutions are being reviewed for a permanent solution to address community concerns. A 2025 Budget Proposal will be presented for a permanent solution for the onsite storage of Sodium Hypochlorite.

- Groundwater Investigations – Gray Creek Water Treatment Feasibility Study

- Northwest Hydraulic Consultants is conducting the last year of data monitoring and will provide data for 2024 in December and a final hydrology report in Q1 of 2025.

A 2025 Budget Proposal will be presented in anticipation of the results of this study and proposes budget for the design and permitting of treatment and infrastructure to make full use of this available source.

Budget: \$125,000 – 2021

- Groundwater Investigation Phase 3 – Round 2: Langdale Wellfield Development

- A cost risk assessment and value engineering study (CRAVE) to identify other facility layout and cost options is in progress and detailed analysis will begin in Q4.

Budget: Langdale \$1,277,600, Maryanne West Park \$100,000 – 2021

- Eastbourne Groundwater Supply Expansion – Phase 2

- Drilling of three test wells began November 21, 2022, and pump tests were completed in February 2023. A presentation and associated staff report was provided to the Board at the October 26, 2023, Committee of the Whole meeting.

A grant application was submitted to the Province in September 2024. Staff are hopeful that the total project budget of 1.5 million that was proposed to the Board will be approved for grant funding. Design and tender of this project is expected to start in 2025.

Budget: \$1,200,000 – 2023

- Water Meter installation – Phase 3 District of Sechelt

- A Request for Proposal for the supply and installation of approximately 4,500 water meters within the District of Sechelt was awarded to Neptune

Technology Group. The project is 66% complete with nearly 3,000 meters installed in total.

Budget: \$9,391,750 - 2020

- Chapman, Edwards, McNeill Lake Dam Safety Improvements
 - This project is to complete the technical assessments, permitting, design, and construction of the required safety upgrades to these three dams. The construction contract was awarded to Jim Dent Construction and construction started August 1, 2024. The majority of the work is completed, however, the replacement of the Chapman low level outlet valve and some other minor improvements had to be deferred to summer 2025, predominantly due to high lake water levels.
Budget: Chapman Lake \$1,000,000 – 2022, Edwards Lake \$730,000 – 2022, McNeill Lake \$735,500 – 2022 additional funding 2023 and 2024
- Chapman Water Treatment Plant Chlorination System Upgrade
 - This project replaced the chlorination system at the Chapman Water Treatment Plant with a sodium brine disinfection system, eliminating the need to transport and store chlorine gas at the plant. The project is substantially complete and minor deficiencies have been corrected. The system is online and operational. All remaining onsite chlorine gas containers have been removed from the site. Staff are finalizing record drawings.
Budget: \$2,144,903 – 2020
- Chapman Creek Water Treatment Plant UV Upgrade – Phase 2 Construction
 - The new UV system will be designed for redundancy, while the current UV system only employs a single UV module, the regulatory requirement is to have multiple UV systems to allow for redundancy in case of failure of a single unit. Design and specification was completed early in Q3. Tender was published in September and will close in October 2024.
Budget: \$1,905,950 – 2023
- Chapman Creek Water Treatment Plant Residuals Disposal and Planning
 - The Chapman Creek Water Treatment Plant produces residuals from the water treatment process which get released into holding ponds. The SCRD is collaborating with the shíshálh Nation and Heidelberg Materials on technical assessments related to the implementation of a long-term solution.
Budget: \$570,000 - 2020
- Chaster Well Surface Seal
 - Project was tendered in Q3, but due to pump/motor failure during the tender process, this has been extended to allow for the changes needed to the

specifications. Tender should close in Q4, and staff expect to complete construction Q2 2025.

- Cove Cay Pump Station Rebuild and Access Improvements

- The Cove Cay Pump Station needs substantial upgrading to replace ageing infrastructure and improve operation and maintenance access. Vancouver Coastal Health also added the requirement to add multi-barrier treatment by July 2025 expanding the project scope considerably. A Request for Proposal was awarded to EHD Engineering Ltd at the October 10 Board Meeting. Design meetings are to start in Q4 2024.

Budget: \$921,200 – 2020

- Reed Road Pump Station Zone 4 Improvements

- The primary objective of this project is to increase the fire flows in the Cemetery Road area. The water modelling to confirm the required increased flow is currently being finalized to be followed by the design, tendering, and construction of the required upgrades. Project is currently considered for completion in 2025.

Budget: \$70,000 - 2021

- Garden Bay Water Treatment Upgrade Feasibility Study - Phase 2

- The Feasibility Study for upgrade options to the current treatment system is to address water quality issues and to meet current drinking water standards. The study is completed and concluded that it could cost up to \$9,000,000 to do the required upgrades. The study includes recommendations for a suitable back-up generator for the treatment plant. In Q3 staff started additional water quality testing to collect the data needed to release a Request for Proposal for the design of the required infrastructure.

Budget: \$200,000 – 2023

- Water Supply Plan Feasibility Study Long-Term Ground Water Supply Sources, Groundwater Investigation Phase 5 – drilling of five test wells

- Staff have acquired engineering services from Kalwij Water Dynamics to investigate five new wells. The consultant presented a report identifying the five proposed locations for wells in priority order to the Board in January 2024.

The Roberts Creek Fire Hall and Hill Top Road locations were drilled in Q3. Hilltop Road, Kinnikinnick Park and Vancouver Coastal Health/shíshálh well locations are to be drilled in Q4. Pump testing at the Roberts Creek Fire Hall and Kinnikinnick Park locations is on hold pending results of more promising locations. A report is planned to be submitted to the Board late Q4 2024.

Budget: \$475,000 – 2022

- Lower Crown Raw Water Reservoir

- Staff are continuing to work with the shíshálh Nation on the engineering and design of this reservoir, including the confirmation of the operational and financial implications to the SCRD.

Discussions about the lease agreement associated with the transfer of the land and constructed infrastructure have not been initiated yet. The Province confirmed that Electoral Assent would need to be obtained before the SCRD can execute this lease agreement.

The shíshálh Nation has not yet been able to secure the funding for the construction of the project.

- Egmont Water Treatment Plant Upgrade

- The Egmont water treatment facility does not have adequate filtration for removal of organics in the drinking water. A feasibility study is required to explore and recommend additional treatment options for managing the elevated organics in the water supply at Egmont (i.e., Waugh Lake). In Q2 staff awarded a small contract to KWL to assist us in assessing treatment options and necessary water quality information to facilitate that process. In Q3 staff started additional water quality testing to collect the data needed to release a Request for Proposal (RFP) for the design of the required infrastructure. Additional water quality testing post upgrades to the intake is in progress to inform the RFP process.

Budget: \$275,000 – 2023

- Fire Flow Action Plan Development

- Staff reports were presented at the January 11, February 8, and February 22, 2024 Committee of the Whole meetings to provide information on the preliminary water system modelling results. These water system models suggested that in some areas, SCRD water systems do not meet current fire flow standards which could impact proposed subdivisions or rezoning of properties.

More detailed water modelling analyses to confirm the areas of concerns, including sensitivity analyses are underway. Policy development on the funding of infrastructure upgrades required to meet the current fire flow standards is underway.

Hiring of staff approved as part of the 2024 budget process to support this work has been successfully completed in Q3 2024 and are now being able to advance this work.

Budget: \$250,000 – 2024

- Trout Lake Re-chlorination Station Upgrade
 - The Trout Lake re-chlorination station is aged and in need of upgrades. The work will involve the demolition and removal of the existing roof along with engineering and installation of the replacement roof by contracted resources. An RFP for design/build replacement of the roof was released at the end of Q1 and awarded to the contractor in June. The project is substantially complete at the end of Q3. Difficulty with supply of specified materials is expected to delay total completion into Q4.
Budget: \$100,000 – 2022
- Hopkins Landing Waterworks District Feasibility Study
 - This project is currently underway. The Engineering Condition Assessment and recommended upgrades were awarded to Onsite Engineering Ltd. A draft condition assessment and well assessment is complete with water modelling underway. An Open House to discuss this project with the Hopkins Landing community will take place in Late November. Staff will present the findings of this study to the Board in Q4 2024 or early Q1 2025..
- South Pender Harbour Watermain Replacement
 - Continuation of 2018 work would replace the existing 150mm asbestos cement diameter watermain with a 200mm diameter main on Francis Peninsula Road from Pope Road to Rondevue Road. This section was selected for replacement as means of improving system reliability and protection in that portion of the South Pender Water Service Area. In Q3 archaeology work started to identify priority areas and how this will affect the preliminary engineered drawings. The project will be initiated late Q4 2024 hinging on the results of the Water System Modelling.
- North Pender Harbour Watermain Replacement
 - This project will replace the existing 100mm asbestos cement watermain on Panorama Drive with a 200mm ductile iron watermain. This section was selected for replacement as means of improving system reliability and improving fire protection to the more than 70 homes that front Panorama Drive. It has also been subject to several leaks of the past years, resulting in disruption to service and response from SCRD Utilities staff. Due to staffing shortage and archaeological permitting issues this project is delayed. MOTI comments are pending for SCRD design and Right of Way (watermain depth and path). Awaiting results of the Water System Modelling in Q4.
- Dream Valley Estates Water System Feasibility
 - Dream Valley Estates residents suffer from frequent elevated arsenic levels in their water supply resulting in “do not use” warnings issued by Vancouver Coastal Health. Clearwater Utilities are the water service purveyors for the

Dream Valley community and own the water infrastructure. Both Clearwater Utility and the strata council for Dream Valley Estates have expressed interest in the SCRD taking over the current water system. The Office of the Comptroller of Water Rights (Province) provided a letter of support to Dream Valley Estates request for the SCRD to consider acquiring the Clearwater Utility. This project is on pause until there is further clarity to funding to undertake the required feasibility study on the inclusion of this system in the Regional Water Service.

- Chapman Creek Trestle Slide and Footing Repair
 - Staff have been working with a geotechnical consultant, a tree arborist, and the permitting agencies to temporarily stabilize two trestle concrete supporting piers that became undermined in early June. Work started on this repair/upgrade under guidance of RAM Engineering. Target completion date is mid-October 2024.

Wastewater Projects

- Woodcreek Park Wastewater Plant – Collection System Improvements
 - The findings of a condition assessment were presented at the November 19, 2020, Infrastructure Services Committee meeting. Staff applied for Provincial/Federal grant funding and were informed in early May 2022, that the project grant application was awarded in the amount of \$769,000.
A contract to complete detailed design and tender specifications was issued in March 2023. Operational trials were completed, and it was determined that the existing sand filters will still require replacement. Detailed design and collection system infiltration and inflow reduction field investigation work is completed and regulatory permits have been received. A major equipment award was approved by the Board on June 27 and a Community Open House was held in July. The construction tender has been issued and closes on October 30.
Budget: \$968,591 – 2021
- Square Bay Wastewater Treatment Plant – Collection System - Infiltration Reduction
 - An RFP to undertake a feasibility study of the long-term upgrades required to this system is being developed and will be tendered in Q4 2024.
Budget: \$15,000 - 2023
Staff repair and upgrade to the collection system to reduce infiltration.
Budget: \$39,677 – 2019 additional funding 2020, 2021, and 2023
- Langdale Wastewater Treatment System Upgrade Project
 - In February 2022, a grant application was submitted for funding support for required upgrades to this wastewater treatment plant under the Investing in

Canada Infrastructure Program-British Columbia-Green Infrastructure-Environmental Quality Program. The SCRD was successful in receiving this grant and staff will continue discussions with the YMCA. The RFP to undertake technical assessments and preliminary design work is on hold until YMCA discussions are completed.

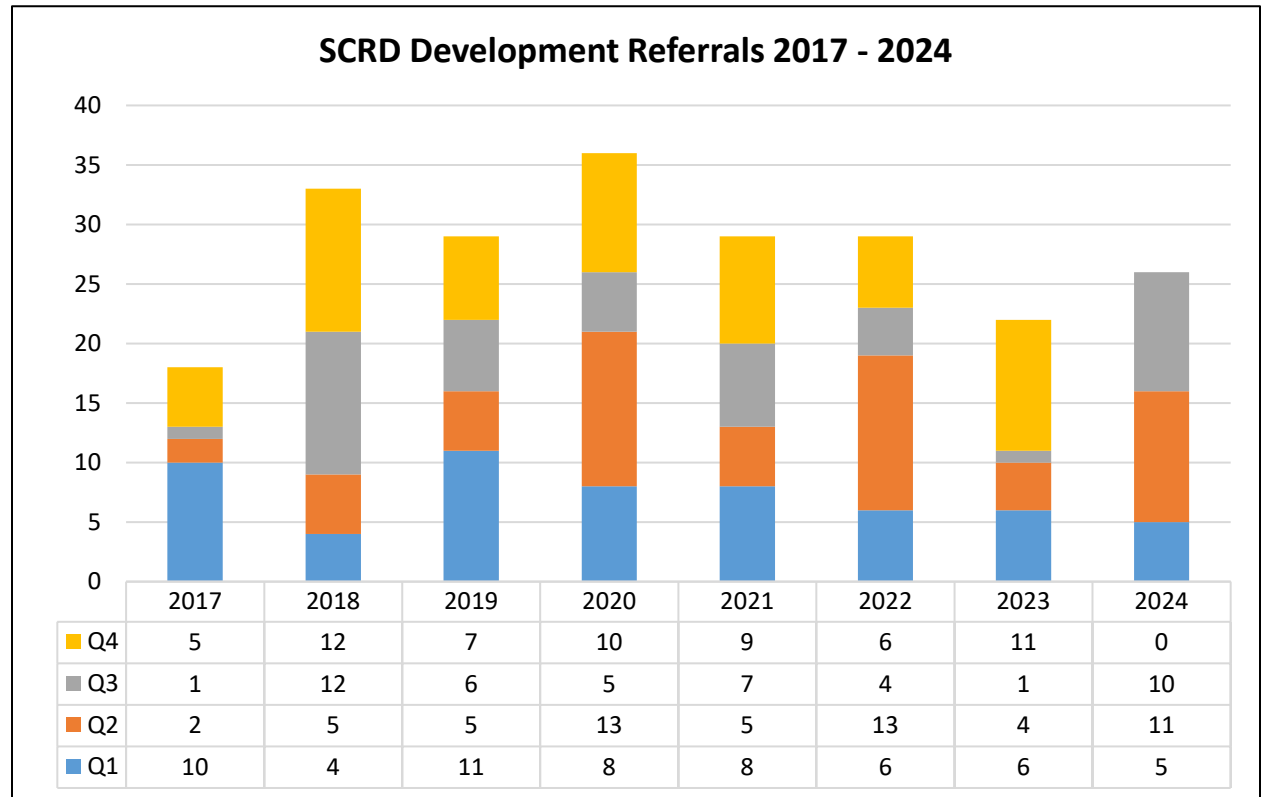
Budget: \$1,024,966 – 2022

- Transfer Pender Landing Wastewater Treatment Plant
 - A review of the Pender Landing wastewater service is currently underway. The SCRD is working with the owner of the collection system for handover with aim to establish a wastewater service area with the SCRD.

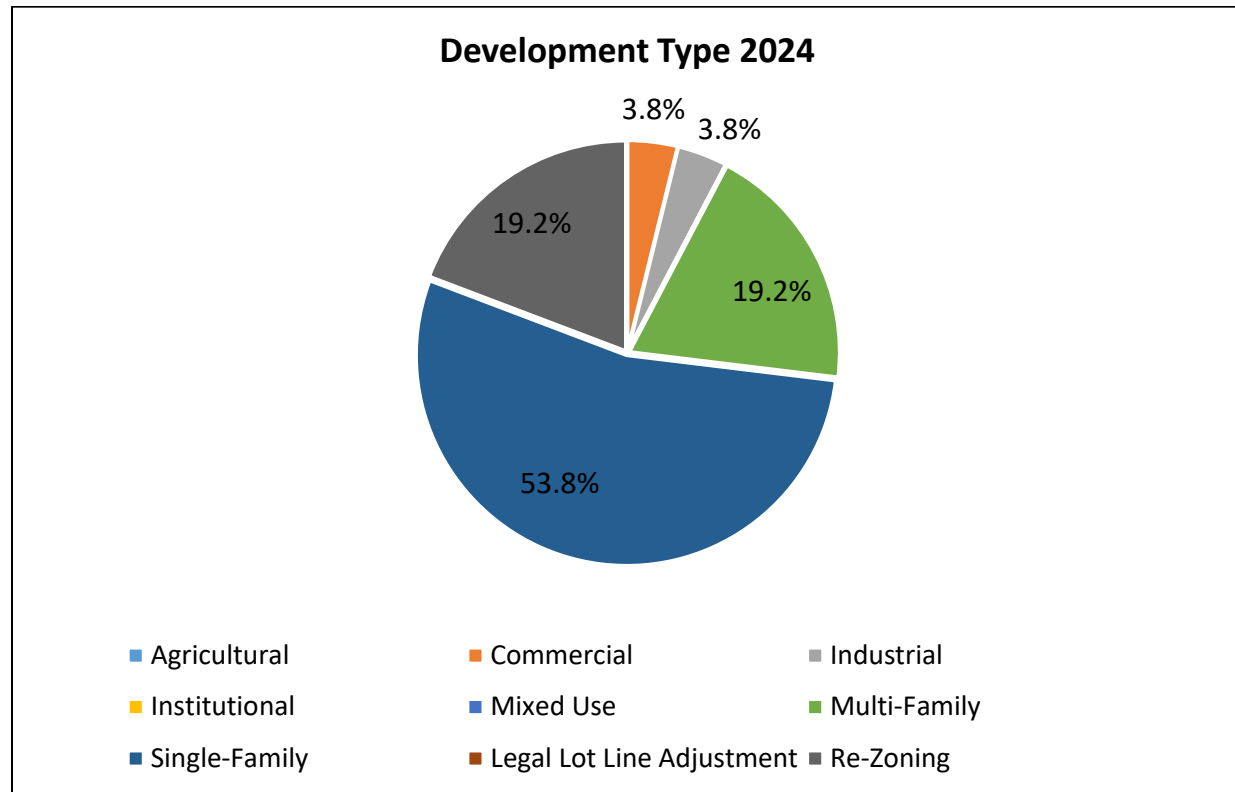
Water and Wastewater Service Reviews

The charts below provide an overview of the development projects within the SCRD's water and wastewater servicing area. A significant number of these projects are still in progress and will include upgrades to existing wastewater systems. Data is not available for developments prior to 2017, and thus only data from 2017 to the end of Q3 2024 is provided. The development process can in some situations take years to complete and there are some applications which are active today which began in 2017.

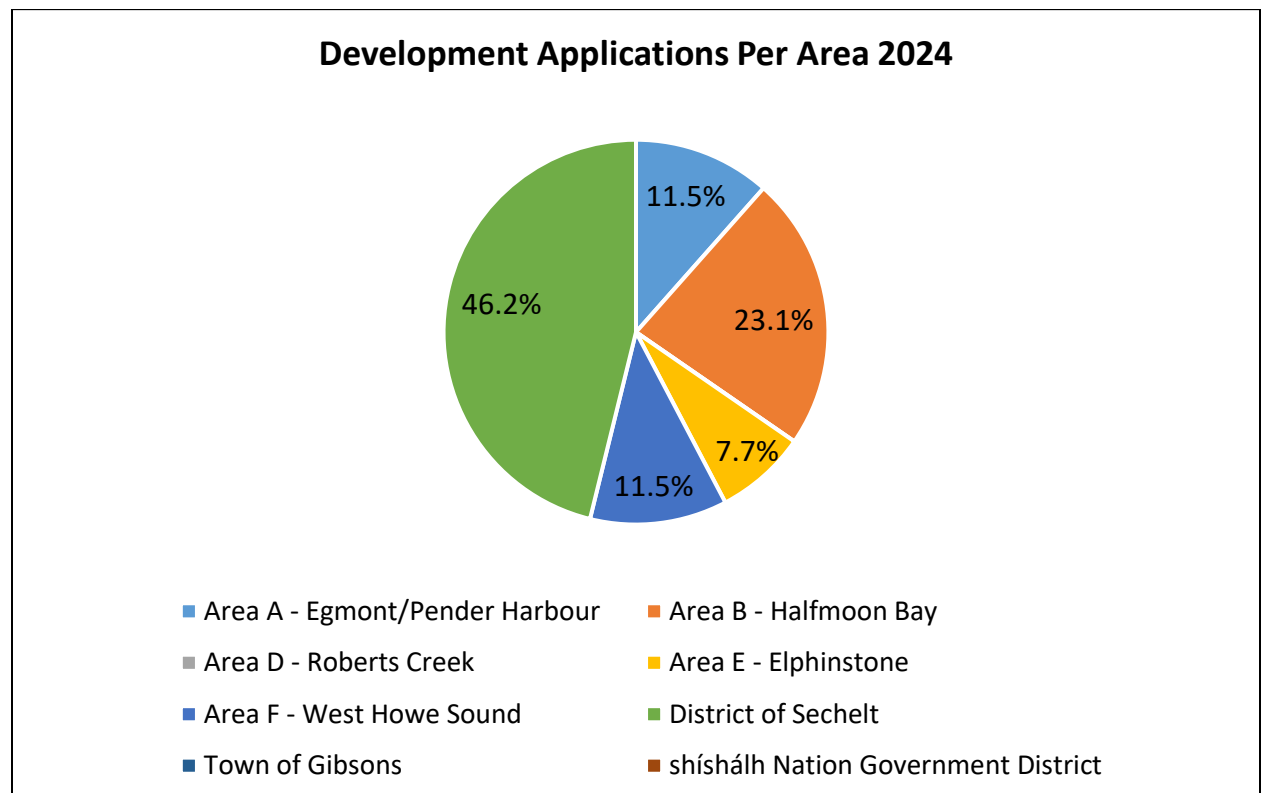
The bar chart below shows development applications received each year since 2017. The year 2020 was a peak for development applications at 36 applications. The Infrastructure Department received ten new development application referrals in Q3 of this year. Development referrals have not been broken out for water and sewer servicing.



The following two pie charts show the types of development applications submitted solely in 2024.



The majority of development applications within the SCRD are received through the District of Sechelt.



Water Conservation Programs

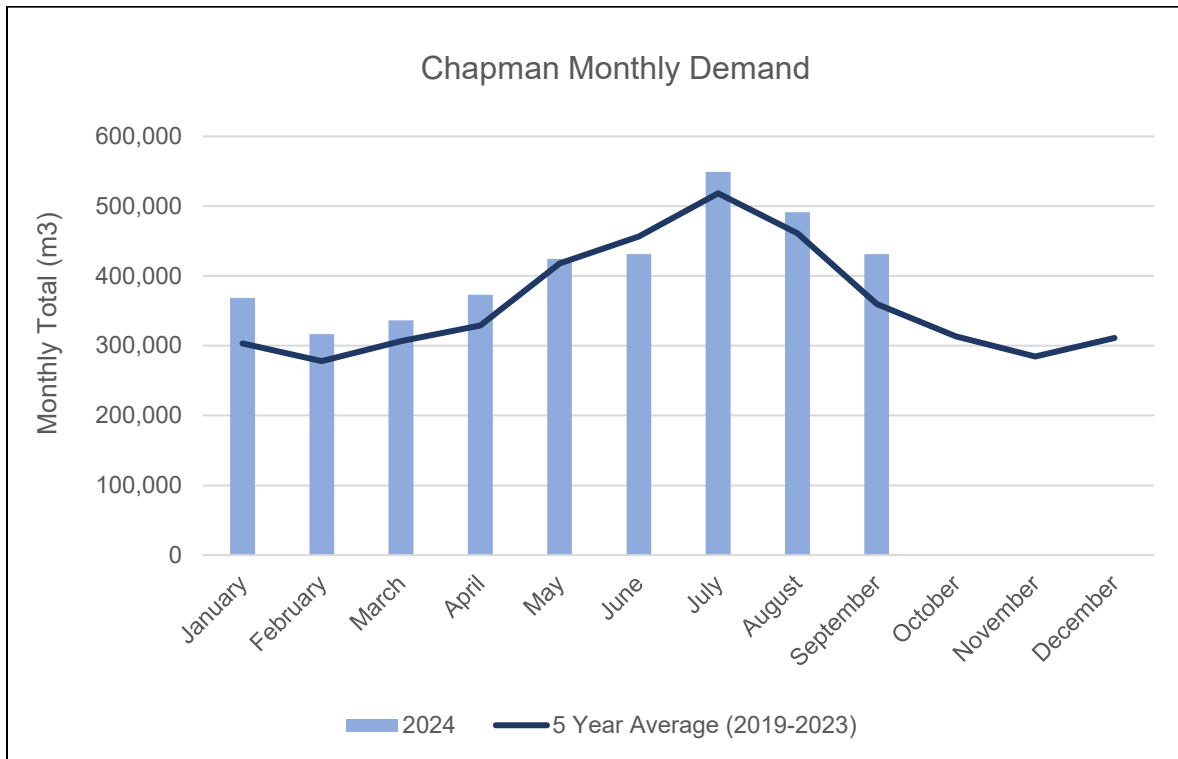
- 330 flat rate (residential) and 42 metered rate (commercial) leak notifications issued in September based on August consumption data.
- Strong focus on shut off notices for high volume leaks, 30 shut off notifications sent in July, August, September – resulting in 272,560 LPD of prevented water loss.
- Updated leak resolution information and web content to support residents
- Implementation of Drought Response Plan communication, lake level and water supply updates, community signage, news releases and social media content.
- Monthly Water Use Update subscribers increase to 1,060+ properties.
- Service Agreement signed between SCRD and Flowsystems Inc. for Neptune 360 Platform, ongoing support, and meter reading equipment maintenance.
- Claimed funding for Rainwater Harvest Rebates by Water Service area: Regional 98.6% of \$35,000; North Pender 100% of \$1,500; and South Pender 25% of \$2,000.
- Continued water meter audit program for South Pender Harbour, North Pender Harbour, and Regional Water Service Areas.
- Continued supported of Phase 3 water meter installations with communication messaging.

Water Planning and Policy Development

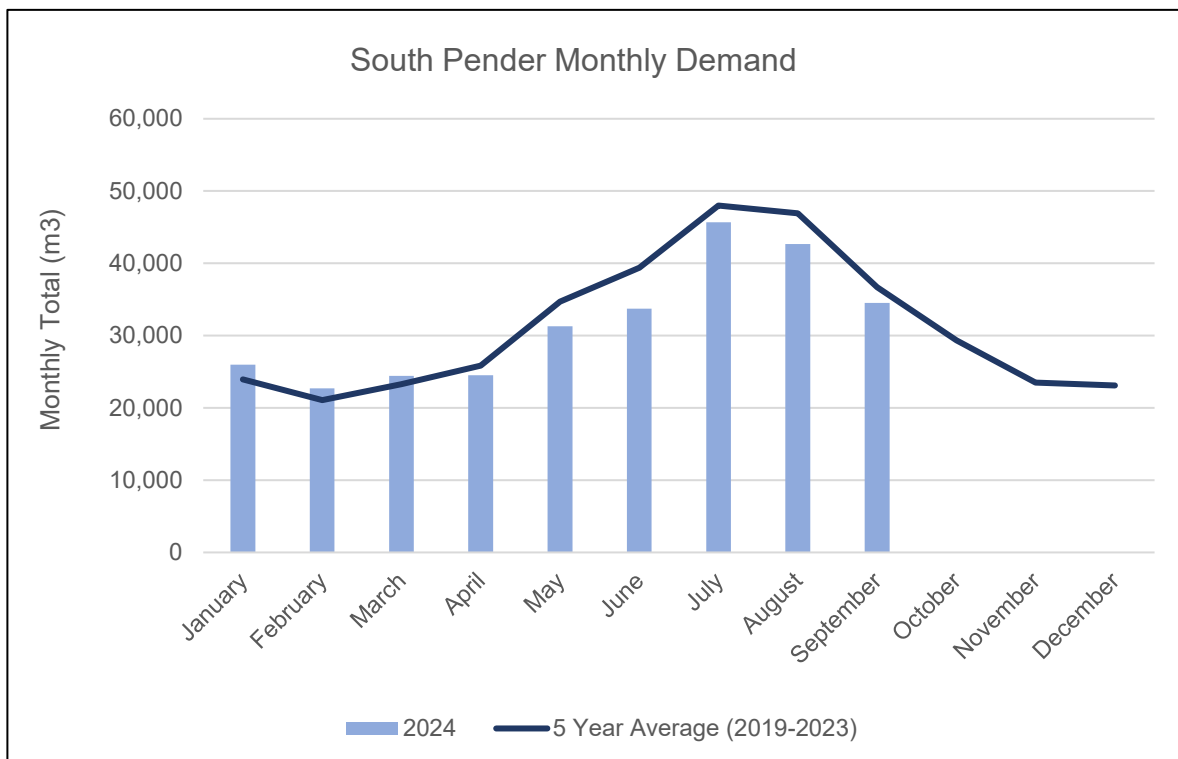
- Water Supply Advisory Committee (WASAC) hosted final meeting of two-year term and conducted debrief.
- Volumetric Billing Project Team formed and subgroups and leads identified, workplans created.
- SCRD Water Strategy
 - Staff supported Board review
- SCRD Draft Water Efficiency Plan
 - Preparation for alignment with updated Water Strategy

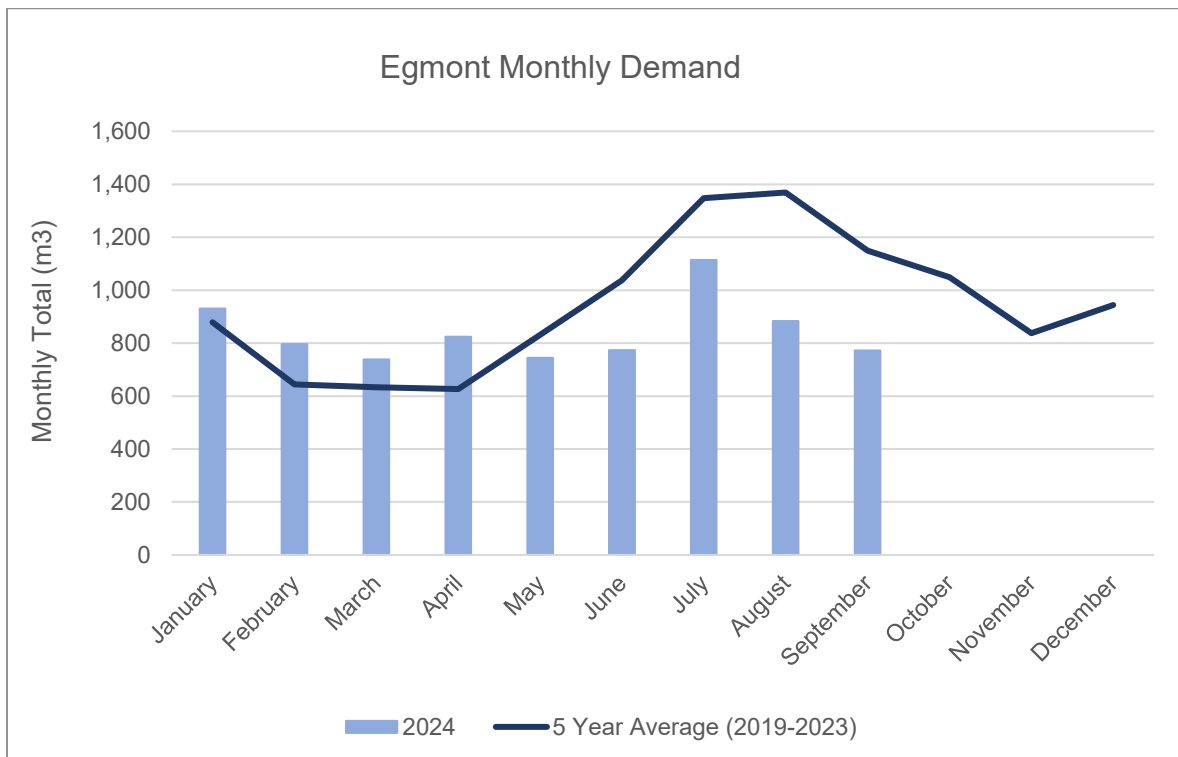
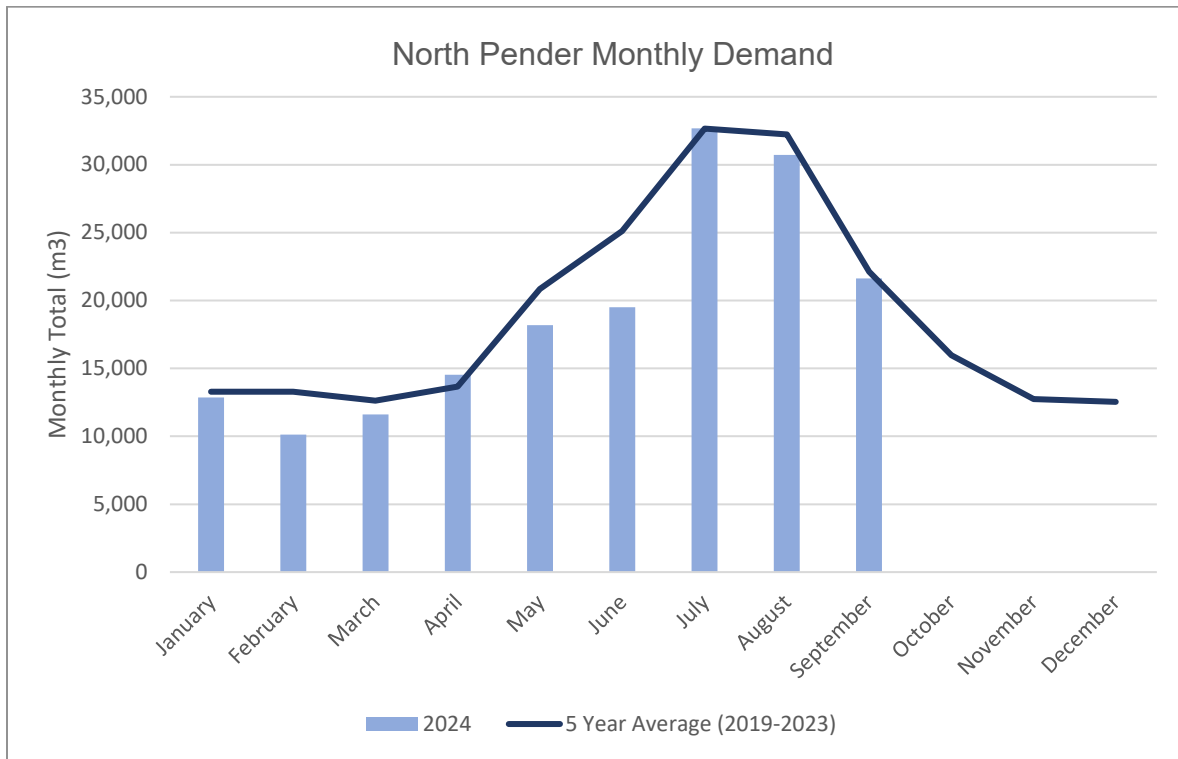
OPERATIONS - WATER DISTRIBUTION SYSTEMS***WATER DEMAND PER WATER SYSTEM***

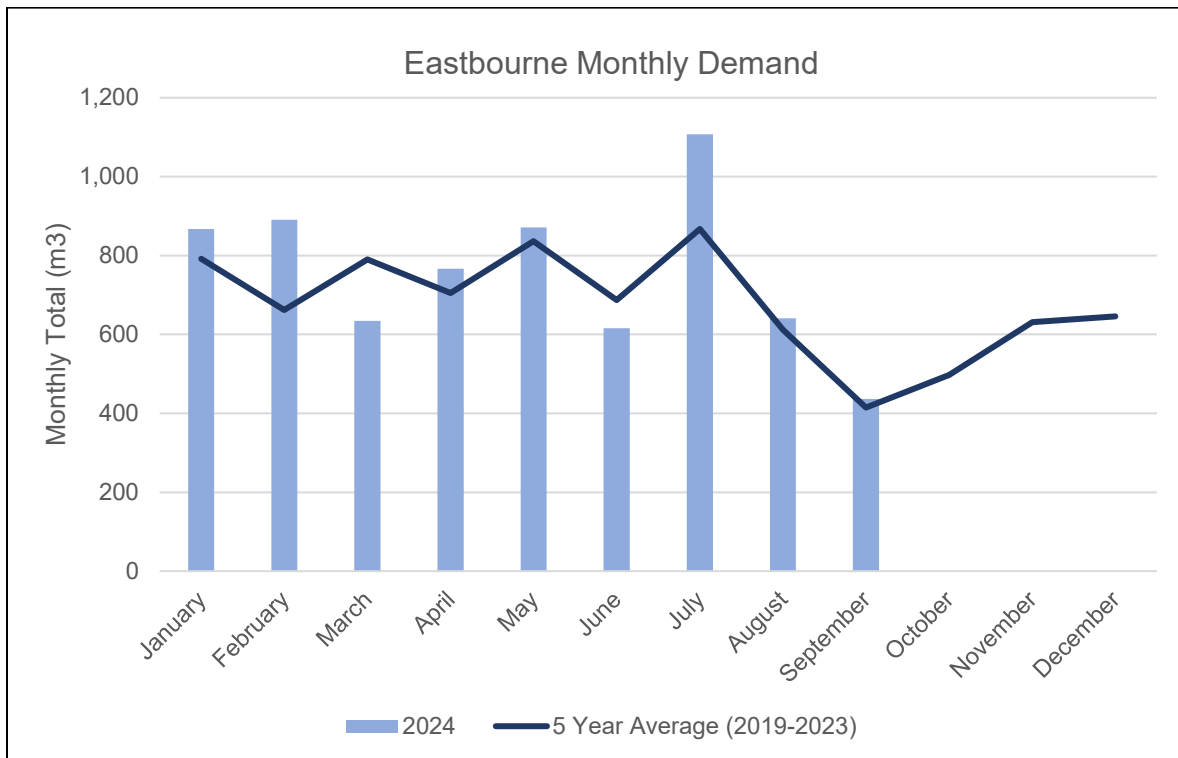
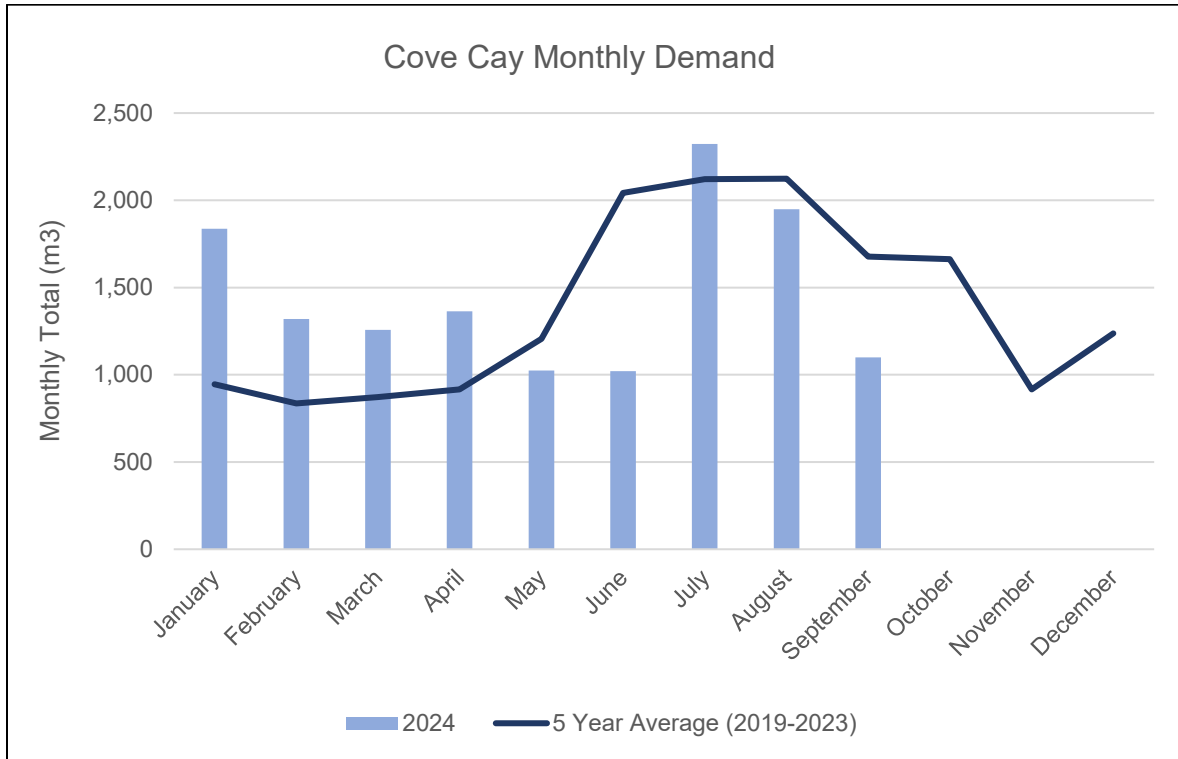
The following graphs show the monthly total water use per SCRD water system in Q3 2024. Each graph also presents the average monthly water use from the previous five years (2019 - 2023).



Chapman Water System sources include Chapman and Edwards Lakes, Chaster Well, Gray Creek, Church Road Wellfield, and Soames Well.

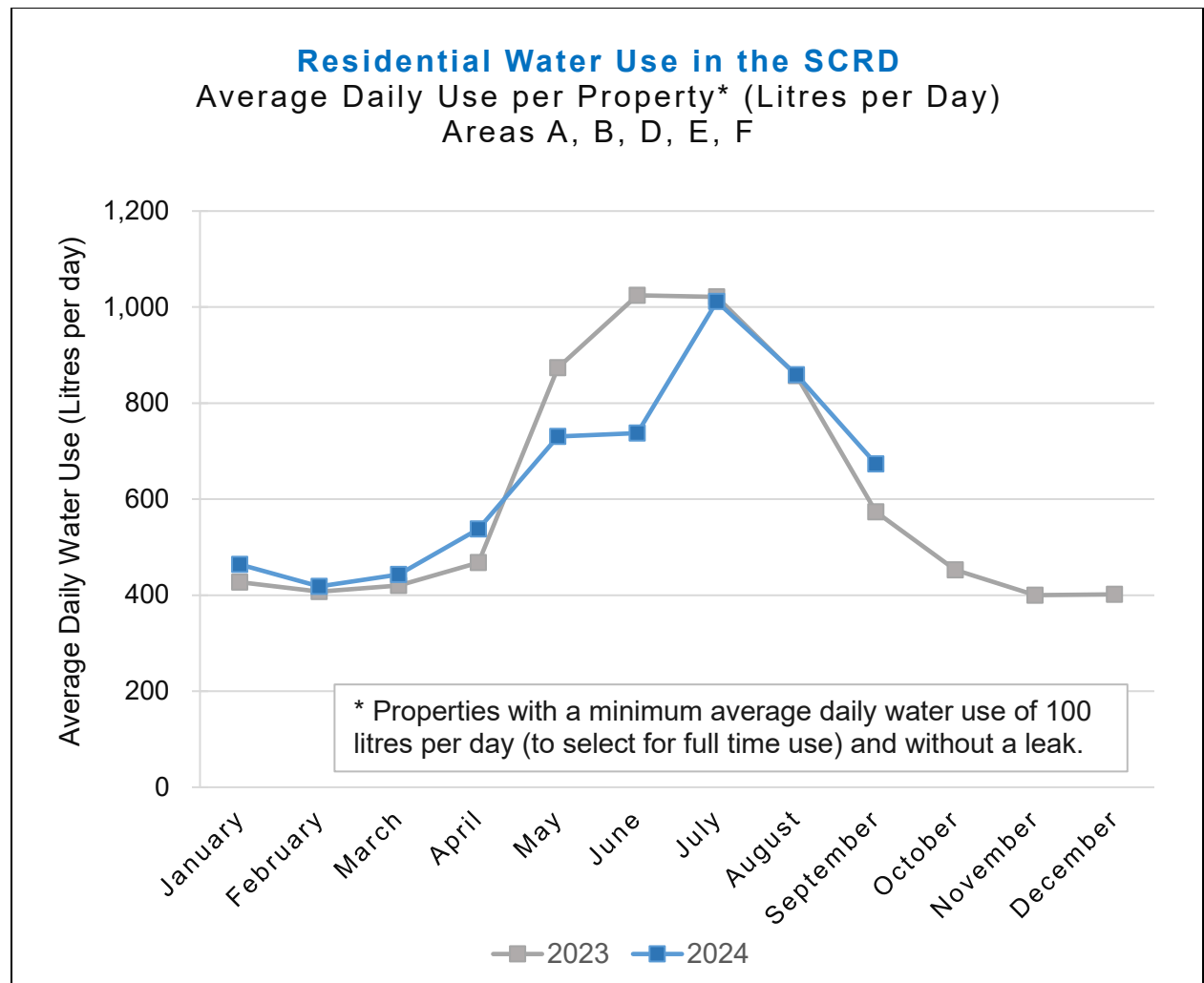






RESIDENTIAL WATER USE

The average daily water consumption by a residential property without a leak and using more than 100 litres/day in Q3 2024 was 848 litres/day.

**Solid Waste Services Division [350, 355]**

The Solid Waste Services Division provides solid waste management for the Sunshine Coast. In British Columbia, Regional Districts are mandated by the Provincial *Environmental Management Act* to develop Solid Waste Management Plans. The SCRD's 2011 Solid Waste Management Plan (SWMP) guides how the SCRD manages its solid waste including waste diversion programs, services, and disposal activities.

The Division oversees the operation and maintenance of the Sechelt Landfill and the Pender Harbour Transfer Station. The Division also maintains the contracts for curbside garbage and food waste collection services for Electoral Areas B, D, E and F, three recycling depots, and the green waste recycling program.

This quarterly report provides an update on current projects, diversion programs, services, and monthly statistics.

Solid Waste Projects

Solid Waste Management Plan Review and Update

Consultant Stantec (formerly Morrison Hershfield) continues to engage the Public and Technical Advisory Committee (PTAC) on the Solid Waste Management Plan Update. Potential initiatives for the new plan were discussed at PTAC meetings in Q1. Stantec is working with SCRD staff to develop a draft plan to include potential future waste prevention and diversion strategies and future engagement will include further prioritization by PTAC to update the Solid Waste Management Plan.

Biocover Feasibility Study - Phase 2

The SCRD identified a biocover as a potential final cover for the Sechelt Landfill when it closes in mid-2025. A biocover is a type of landfill final cover that is designed to oxidize methane emissions into carbon dioxide to reduce greenhouse gas (GHG) emissions. The Sechelt Landfill Biocover Feasibility Study Phase 1 was undertaken in 2020 which concluded that a biocover would provide economic benefits to the SCRD and community, and significantly reduce GHG emissions.

Phase 2 involves a pilot study where three biocover test cells are added to a small portion of the Sechelt Landfill and monitored over a one-year period. An RFP to retain services to provide Phase 2 of the pilot study closed on May 24, 2023, and was awarded to Sperling Hansen Associates. The three pilot biocover cells were constructed at the end of 2023 and are undergoing the one-year monitoring period. Once the monitoring period is complete, Sperling Hansen will produce a report summarizing its effectiveness and potential for use as final cover.

Budget: \$286,000 – 2021 additional funding 2023

Sechelt Landfill Contact Water Pond Relocation

A contract was awarded to Trace Associates to prepare the conceptual and detailed design of a new Sechelt Landfill contact water pond to replace and relocate the existing pond to the northwest corner of the landfill property. It is estimated that relocating the contact pond would extend the useful life of the landfill by up to four years. The detailed design is completed, and Provincial permitting has been granted.

Budget: \$50,000 – 2023

As part of the 2024 budget process the Board approved budget for the final design and construction phase of this project. An RFP has closed, staff will be evaluating proponents and taking a report to the Board to award the contract in Q4 2024. Construction will commence once the contract has been awarded and weather permits.

Budget: \$520,000 – 2024

Sechelt Landfill Vertical Expansion and Waste Export Feasibility Study

The construction of a perimeter berm or wall on the south and west sides of Sechelt Landfill has the potential to provide additional airspace to bury garbage on the south and west slopes of the site. Based on a preliminary analysis, it is estimated that this could provide at least seven years of additional landfill life at the current annual infill rate. The construction of such a berm or wall would not extend beyond the current limit of waste (i.e., within the Sechelt Landfill property) and would require an updated provincial permit and need to be included in the Solid Waste Management Plan that is currently being updated.

A detailed feasibility study for the export of waste from the Coast is also included in this project. The findings of these feasibility studies will be presented and discussed at a Solid Waste Engagement Meeting to which elected officials and senior staff from all local governments and First Nations on the Coast will be invited. An RFP to retain services to complete both feasibility studies has closed and was awarded to Sperling Hansen Associates.

Budget: \$165,000 - 2024

Pender Harbour Transfer Station Upgrades – Phase 2

Phase 2 of the Pender Harbour Transfer Station upgrades design is in the process of being completed. Staff expect to complete designs and tender construction for a Spring 2025 construction start. Lock blocks from Sechelt Landfill will be reused for the project and will be transported to the Pender Harbour Transfer Station prior to the Sechelt Landfill Contact Water Pond construction commencement.

Budget: \$765,000 - 2023

SOLID WASTE PROGRAMS*British Columbia Product Stewardship Council (BCPSC)*

Staff attended a meeting on September 10, 2024, and received updates from BC Ministry of Environment and Climate Change Strategy (MOECCS) regarding current plans under review. Membership shared work being undertaken to improve recovery from wildfires.

Coast Waste Management Association (CWMA)

Staff attended working groups for Regional Collaboration on July 3, and construction and demolition waste on July 11, 2024. Discussion topics included updates to the CWMA Knowledge Base and members shared work being undertaken in their regions.

Metro Vancouver Regional Waste Reduction Coordinators' Committee (RWRCC)

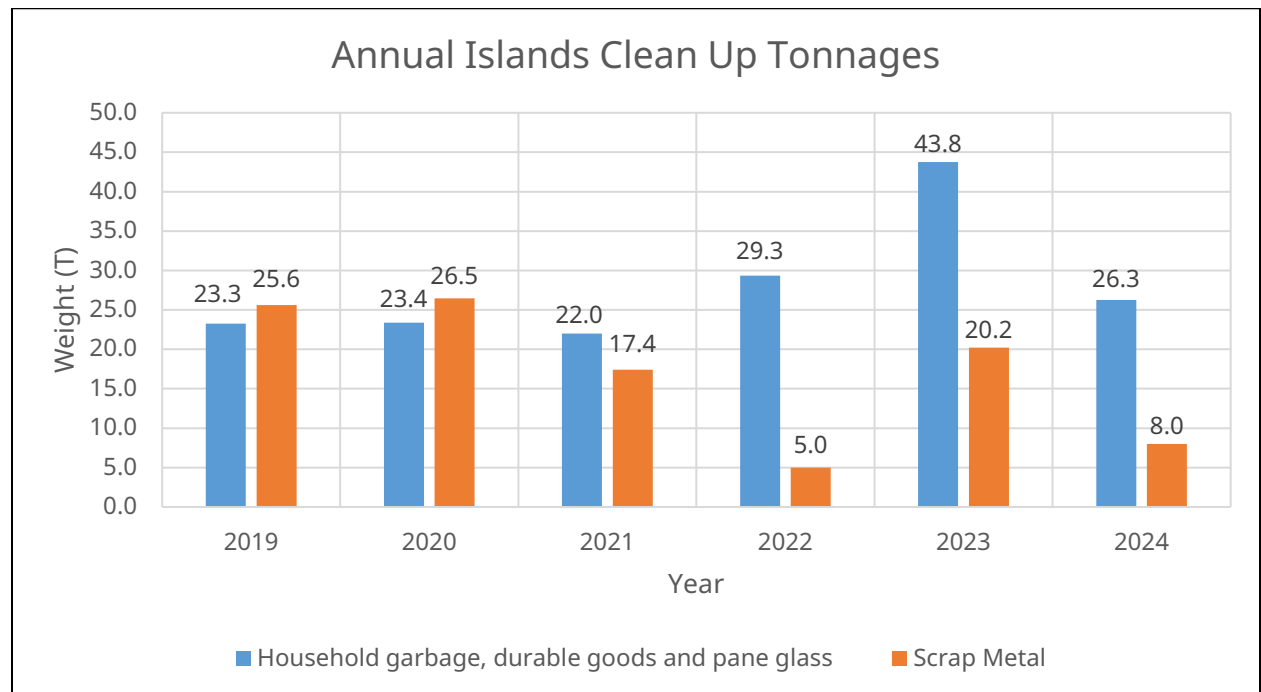
Metro Vancouver has changed the name of this committee to remove Municipal and replace with Regional. Staff attended a meeting on July 17, 2024, where updates were provided on the results of the 2023 Waste Composition study, 2024 Think Thrice Textiles Waste Reduction Campaign Results, and timelines for next steps in the Metro Vancouver Solid Waste Management Plan Update.

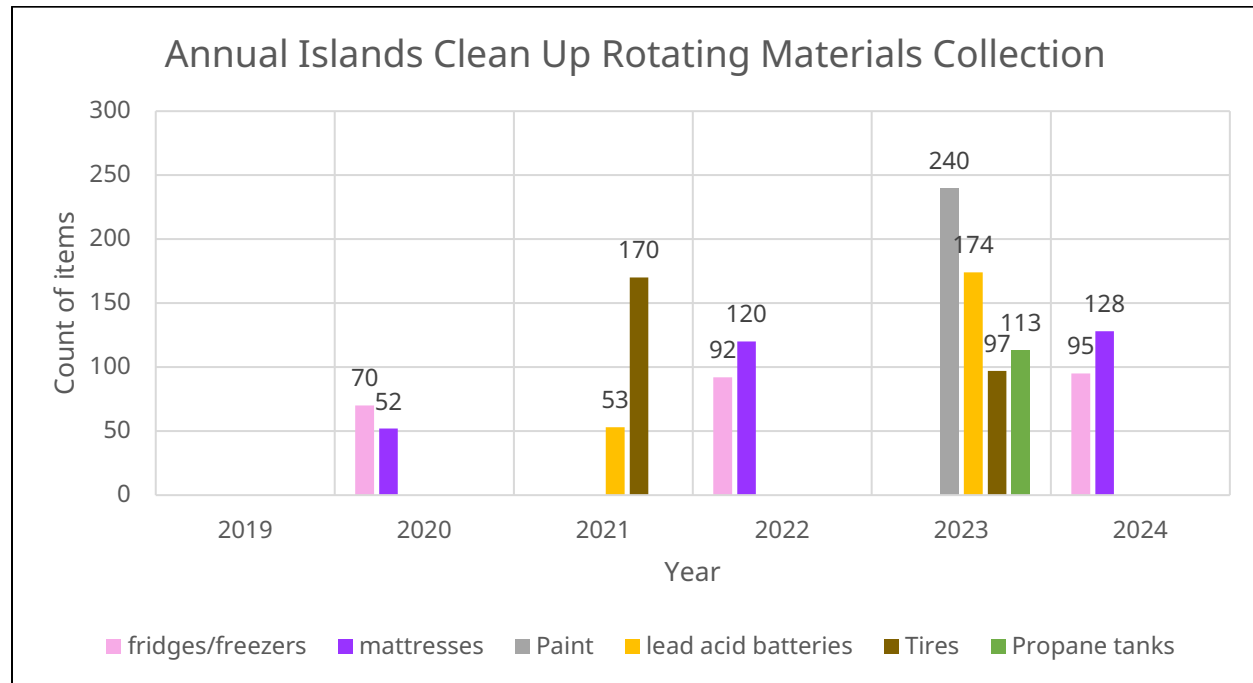
Islands Clean Up

The 2024 Islands Clean Up program collected over 26 tonnes of garbage for disposal at the Sechelt Landfill. Eight tonnes of scrap metal, 128 fridges / freezers, and 95 mattresses / box springs were recycled. Of the 128 fridges / freezers, 54 were recycled for free as part of the Major Appliance Recycling Program.

Next year the program is planning to collect batteries, paint, propane tanks, and tires.

This year's event schedule is below. The event collected from 175 individual flag stops, five land events, and had an estimated 835 residents participate.





Home Composter Rebates

The 2024 Home Composter Rebate Program has an annual funding allocation of \$7,500. Applications are accepted between May 1 and September 1 to allow for completion of applications by the end of the calendar year. 2024 has a decrease in rebates compared to past years. Last year, 35 rebates were allocated, and in 2024 only 27 rebates were allocated. The total value of rebates issued to the end of September is \$1,989. There are seven applicants that have not completed their paperwork in order to receive their rebate, which accounts for \$700 in funding not issued, but could be by the end of the calendar year.

Below are two tables that provide a summary of composter types by area, or municipality, and by amount of rebate provided to each area or municipality.

Count of composter rebates issued by area and composter type						
Area or Municipality	Composter types					
	Electric	Solar Food Digester	Static	Tumbling	Worm Composter	Total
A	1	1	1	2		5
B			2	1		3
D	1		1			2
E	1		1	2		4
F			1			1
DOS			2	6		8
TOG			1	2	1	4
Total	3	1	9	13	1	27

Sum of rebate dollar value by area and composter type						
Area or Municipality	Composter types					
	Electric	Solar Food Digester	Static	Tumbling	Worm Composter	Total
A	100	100	100	200		500
B			200	100		300
D	100		100			200
E	100		89.6	200		390
F			100			100
DOS			200	600		800
TOG			100	200	100	400
Total	300	100	890	1300	100	2689.59

Backroad Trash Bash

The 2024 Backroad Trash Bash was based in Sechelt and the backroads from Halfmoon Bay to Roberts Creek were targeted for cleaning by 31 volunteers. 3,880 kilograms of waste was collected from 30 sites. Of the materials collected there were also several appliances and tires that could have been recycled at no charge if brought to a depot or a local vehicle repair shop.

Waste Reduction Initiatives Program (WRIP)

The 2024 program started accepting applications on September 1 and interested groups have until October 28, 2024 to apply. Advertisements and reminders to apply are going out in the local newsprint media and on social media.

Area A Food Waste Program

The Pender Harbour Transfer Station Food Waste Drop-Off Program commenced on November 1, 2022, coinciding with the Food Waste Regulation start. The program is aimed at providing a food waste drop-off option for residents and small businesses in Electoral Area A. From January 1 to September 30, 2024, the site received 27.1 tonnes of food waste from residents. Staff conducted an evaluation of the food waste drop-off program and presented a report to the Board at the April 25, 2024, Committee of the Whole meeting.

Major Appliance Recycling Program (MARR)

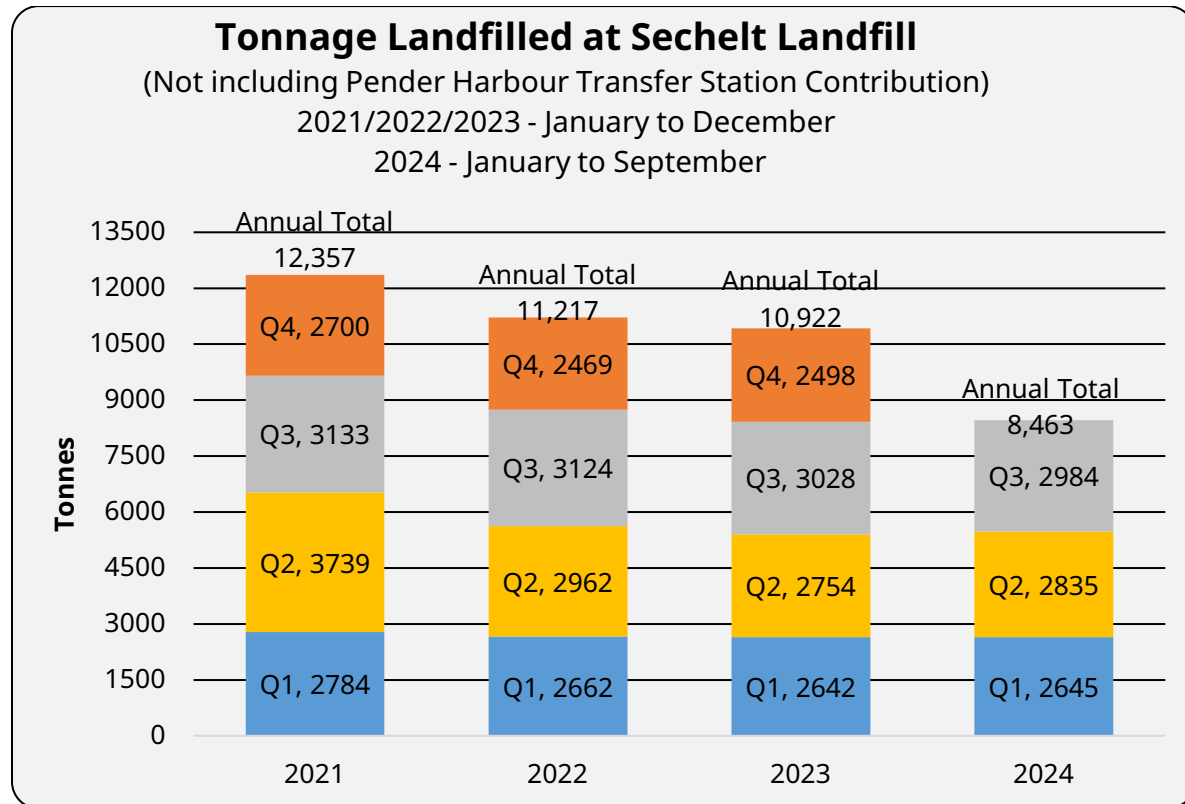
On November 1, 2022, the Sechelt Landfill and Pender Harbour Transfer Station, in partnership with the MARR program, began accepting major household/residential appliances for free. In Q1 to Q3 2024 the program received 2,133 units.

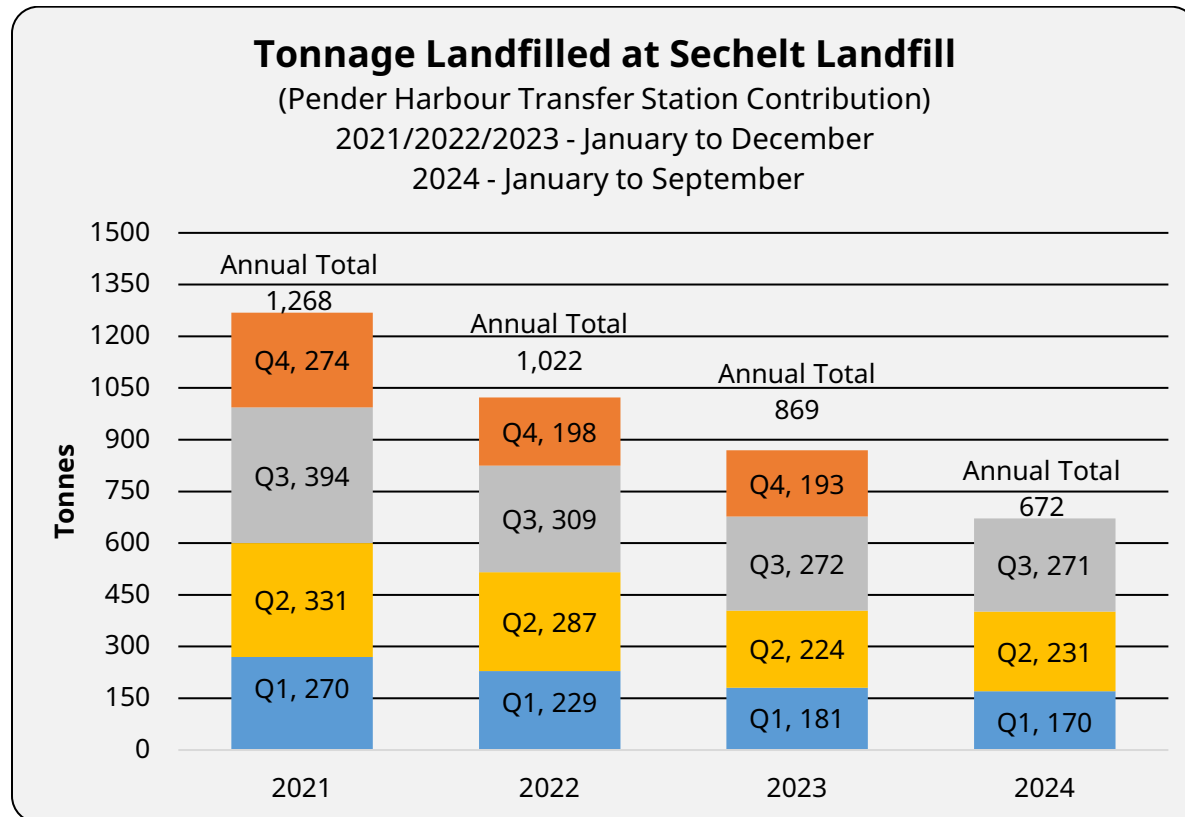
Textile Recycling Program

In partnership with Diabetes Canada, the textile recycling program at the Sechelt Landfill and Pender Harbour Transfer Station accepted 3,400 kilograms of textiles between January 1 and September 30, 2024. This is an increase of 1,110 kilograms from the same period in 2023.

Statistics – Landfill

The tonnage presented in the following charts includes an estimated combined total of all material from the Pender Harbour Transfer Station that is deposited at the Sechelt Landfill, and all materials received at the Sechelt Landfill site. This includes residential curbside garbage, self-hauled garbage, commercial garbage, roofing, dead animals, asphalt, asbestos, durable goods (e.g., couches, chairs), concrete, dirt and rocks, and Styrofoam (non-recyclable).

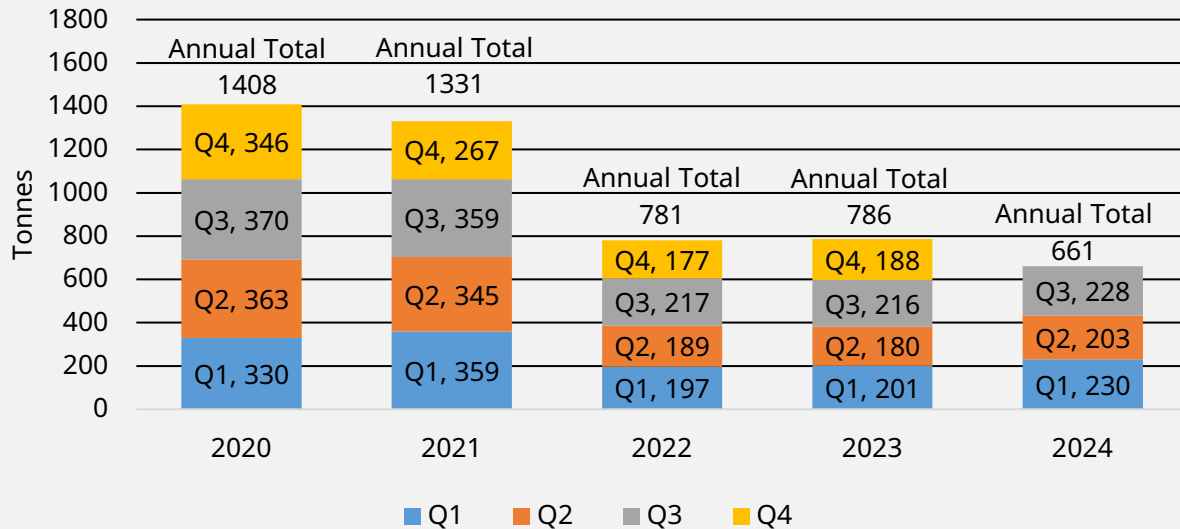




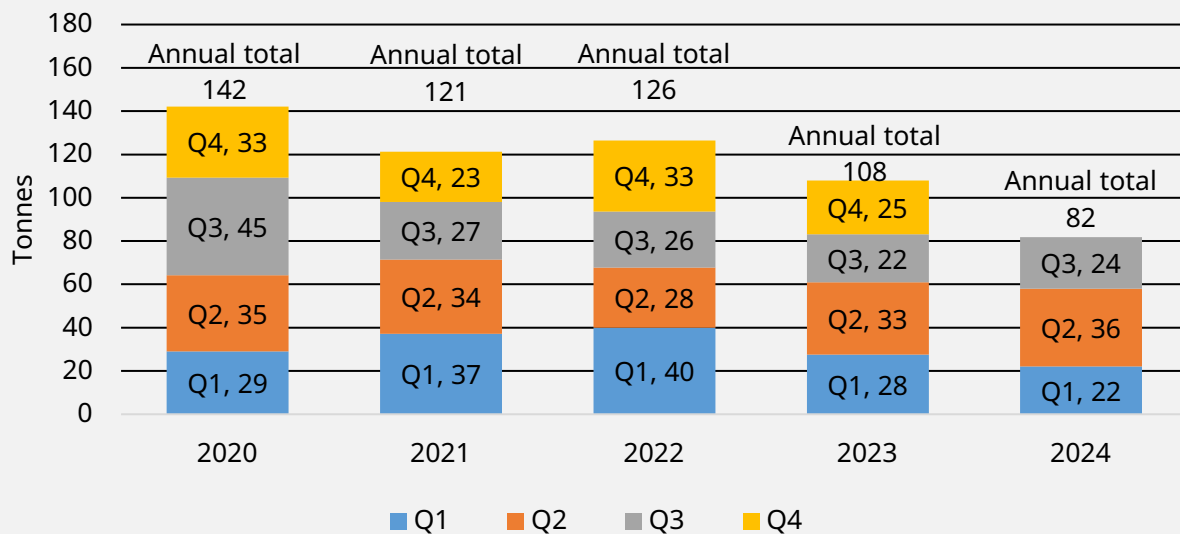
Statistics – Curbside Collection Services

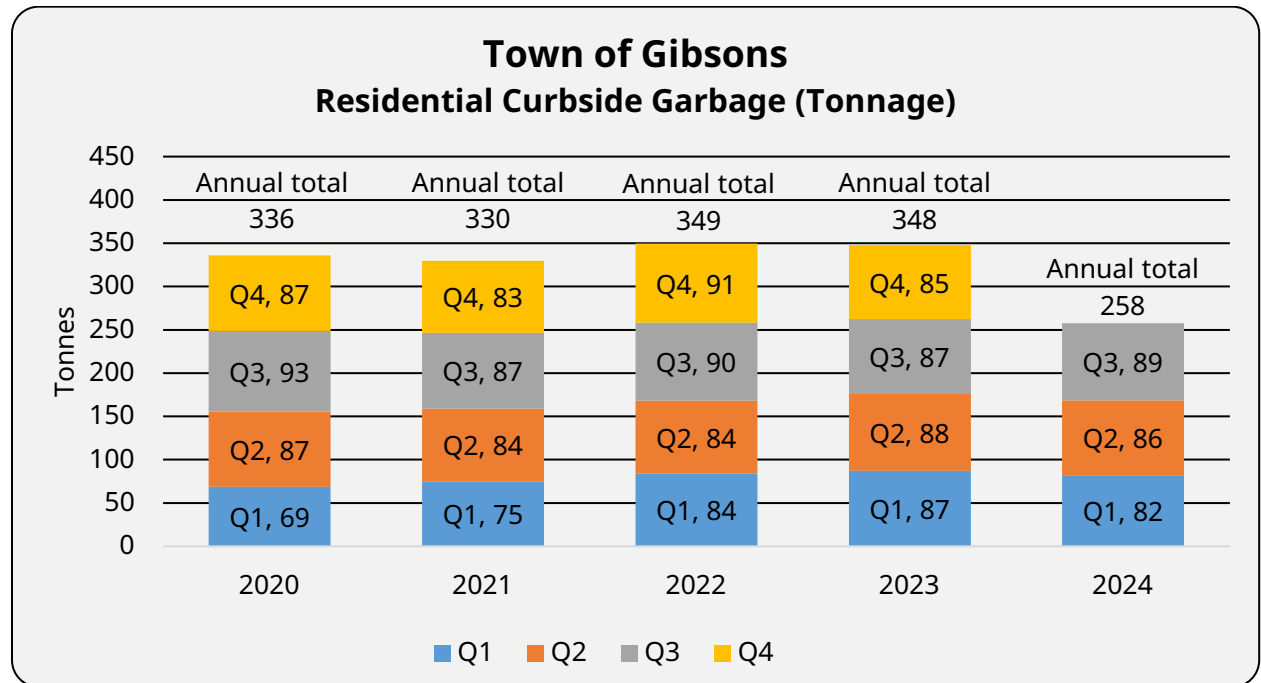
The residential curbside garbage tonnage presented in the charts below includes garbage collected curbside from residential dwellings in the Town of Gibsons, shíshálh Nation Government District (sNGD), and District of Sechelt (DOS). Curbside residential garbage is then delivered to the Sechelt Landfill for disposal.

District of Sechelt Residential Curbside Garbage (Tonnage)

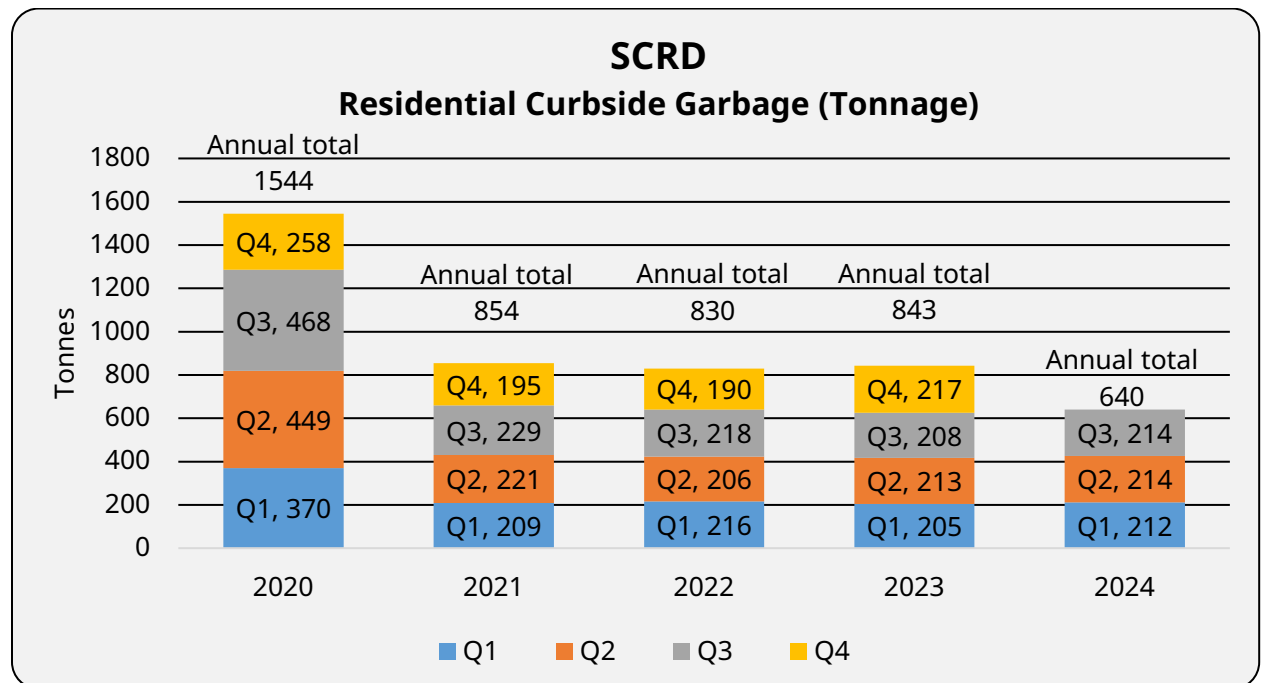


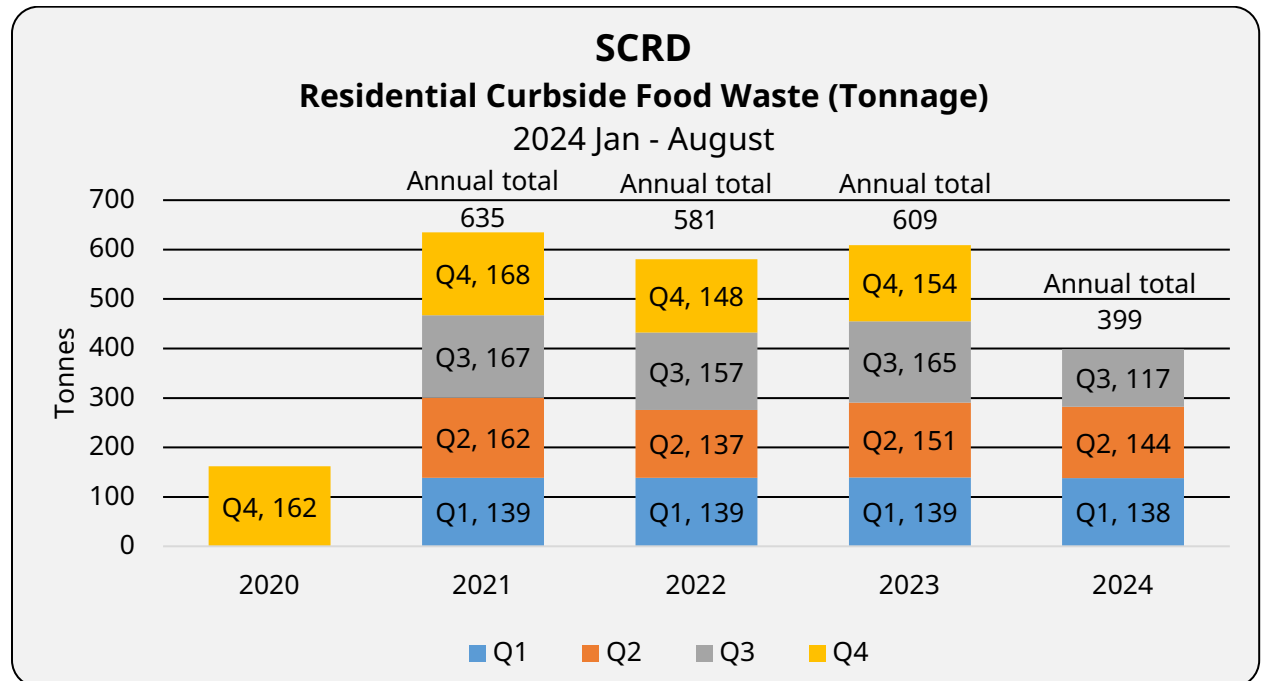
shíshálh Nation Government District Residential Curbside Garbage (Tonnage)





The residential curbside tonnage presented in the following charts is for the SCRD curbside collection program. Curbside residential garbage is delivered to the Sechelt Landfill for disposal. Curbside residential food waste is delivered to Salish Soils for composting.

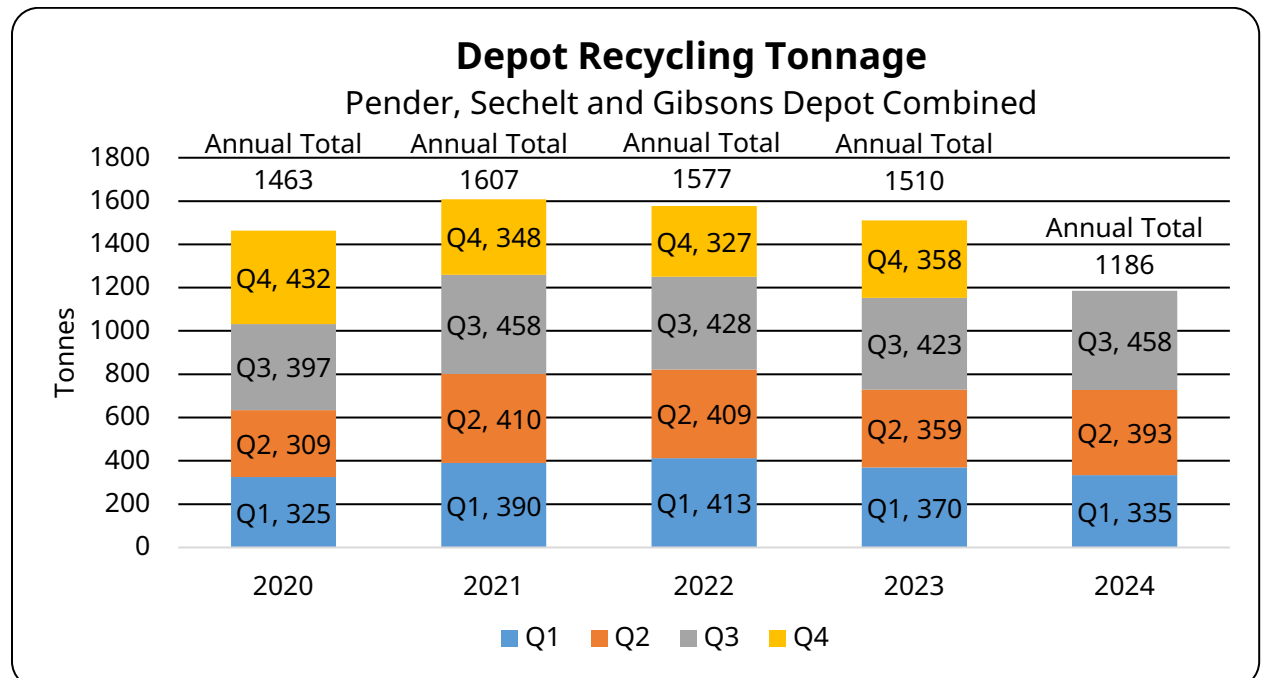




Note: Food waste data for September 2024 was not available at the time of report publication.

Statistics – Recycling

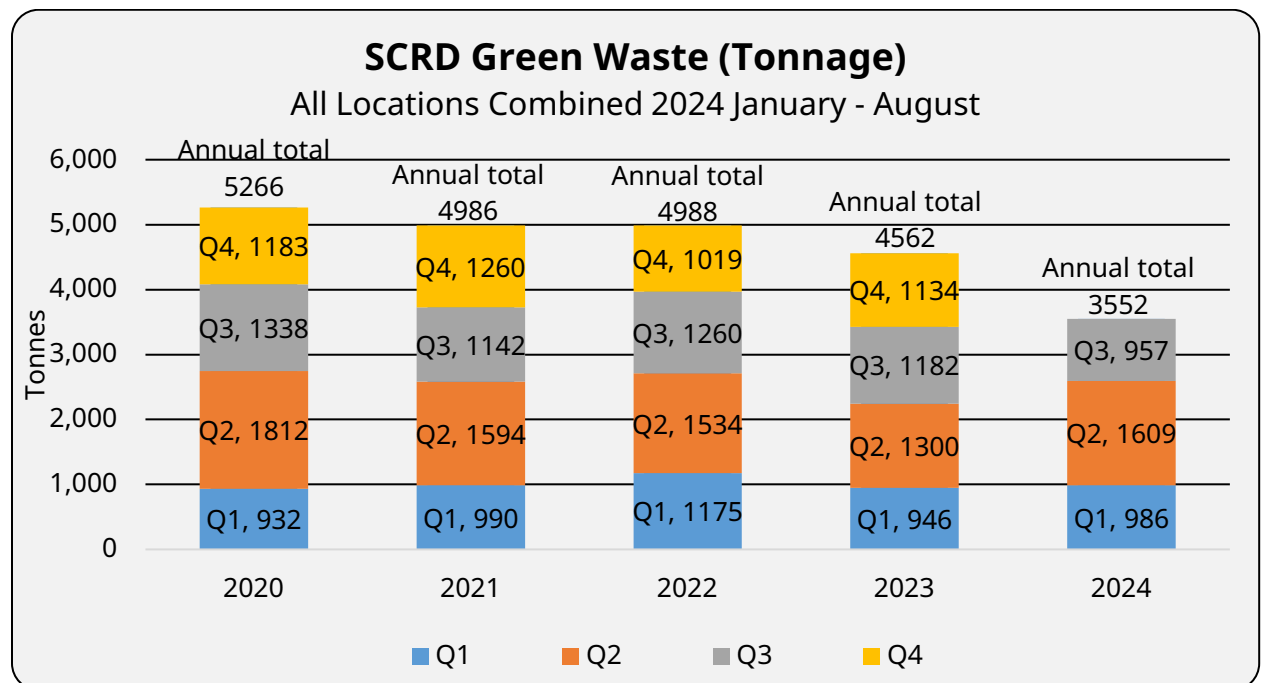
The SCR D has an agreement with RecycleBC to provide residential packaging and paper products (PPP) depot recycling services in Gibsons, Pender Harbour, and Sechelt. The SCR D contracts these services to Gibsons Recycling, GRIPS, and Salish Soils respectively. The data presented in the chart below is provided by RecycleBC and represents the combined monthly weight (by tonne) of the materials dropped off at the three recycling depots.



Statistics - Green Waste

The SCRD Green Waste Recycling Program provides collection locations for residents to self-haul and drop-off yard and garden green waste at the South Coast Residential Green Waste Drop-off Depot, Pender Harbour Transfer Station, and Salish Soils. The SCRD also provides commercial sector green waste drop-off at the Pender Harbour Transfer Station and Sechelt Landfill. The collected green waste is hauled to Sechelt and processed into compost.

The data presented in the following chart provides the combined weight (by tonne) of green waste dropped off at the SCRD locations.



Note: At the time of publication there was no data available for September 2024.

Reviewed by:			
Managers	X - J. Waldorf X - B. Shoji X - M. Sole X - S. Walkey	Finance	
GM		Legislative	
I-CAO	X-T. Perreault	Other	