Staff Report
For Information

TO: Committee of the Whole – May 22, 2025

AUTHOR: Remko Rosenboom, General Manager, Infrastructure Services

SUBJECT: **INFRASTRUCTURE SERVICES DEPARTMENT – 2025 Q1 REPORT**

OVERVIEW

Purpose of Report:

This report is for information. No staff recommendation accompanies this report and Committee action is not required.

BACKGROUND

The purpose of this report is to provide an update on activities in the Infrastructures Services Department for the first quarter (Q1) of 2025: January 1 – March 31.

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

- Asbestos Cement Watermains Replacement Reed Road (Henry - Payne)

  This project aims to complete the asbestos watermains replacement between the Reed Road Pump Station and Henry Road. Staff are preparing in house construction drawings and specifications to tender for the machine work and materials. In house engineered design has been completed. The pipeline installation is to be completed by SCRD staff. Staff are completing a Request for Proposal (RFP) to tender for excavation and road paving in Q2 2025.

  Project location: Area E

- South Pender Harbour Watermain Replacement

  Continuation of 2018 work would replace the existing asbestos cement watermain on Francis Peninsula Road from Pope Road to Rondeview Road. Due to a watermain break in Q1 2025, immediate emergency work was required to replace the watermain. An expedited permit was obtained for archaeological assessments to support this work. SCRD staff performed the pipe installation, and a contractor was retained for excavation services. The procurement for paving services is expected to be initiated in Q2 2025.

  A section of the water main between Beaver Road and Warnock Road is scheduled to be completed in Q4 for 2025.

  Project Location: Area A
  Budget: $600,000 – 2022

- 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 in past years, resulting in disruption to service and response from SCRD Utility Operations staff. The project is to be divided into priority sections based on budget limitations. Surveying of existing infrastructure was completed by Utility Engineering staff in Q1 2025. Preconstruction Archaeological Impact Assessment (AIA) to be completed in Q2 2025. An RFP for construction administration services is issued and set to close in Q2 followed by an RFP for construction services.

  Project Location: Area A
  Budget: $850,000 – 2022

Water Projects

- Church Road Water Treatment Plant – Sodium Hypochlorite Storage Unit (Landscaping and Wooden Fencing of Existing Storage Unit Only)

  Community engagement with regards to the Sodium Hypochlorite storage container was conducted in the summer of 2024 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 was presented with two options: $100,000 to build a new compliant structure, or $10,000 to address aesthetic concerns around the storage unit at its current location. The Board approved a budget of $10,000 to address aesthetic concerns and most of the landscaping has been completed.

  Project Location: Area F
  Budget: $10,000 – 2025

- Groundwater Investigations – Gray Creek Water Treatment Feasibility Study

  Northwest Hydraulic Consultants have concluded the last year of data monitoring and staff will present the results of the study in Q2 2025.

  A 2025 Budget Proposal was 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.

  Project Location: Regional
  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 was completed and a detailed analysis was presented to the Board in December 2024. Staff drafted a report with revised project budget and design for review as part of 2025 budget process. Project to be tendered for consultant services for the completion of the final design, permitting, and right of way negotiations in Q2. Expected construction in mid to late 2026 dependent on results of Alternate Approval Process (AAP) to be undertaken in Q3/Q4 2025.

  Budget: Langdale $1,277,600 – 2021

- Eastbourne Groundwater Supply Expansion – Phase 2

  Drilling of three test wells began on 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 community engagement session was held in Q3 2024 to answer questions on the nature of the expansion project and what it hopes to accomplish.

  The application for a $1,500,000 grant submitted in Q3 2024 was unsuccessful. Staff reviewed the feedback and considering options to improve the submission for the next round of funding applications later in 2025.

  Project Location: Area F
  Budget: $1,200,000 – 2023

- Chapman Raw Water Pump Station Upgrades (Phase 1 and 2)

  The Chapman Water Treatment Plant Raw Water Pump Station Project has pivoted from minor repairs to a full retrofit. The existing building will remain, but all three pumps and their electrical controls will be replaced, along with the installation of a new lower-flow pump and a new backup generator. Due to the scale and complexity of the work, staff determined that a full design and engineering package will be required and are preparing an RFP for release in Q2 2025. The 2024 budget, originally approved for repairs and installation of the small pump, will instead be allocated to fund the necessary design and engineering work for the full retrofit.

  Budget: Phase 1 - $130,000 – 2024, Phase 2 - $783,973 – 2025

- Chapman Intake Upgrades (Phase 1) – Design, Engineering and Contract Administration

  The timber weir at the Chapman Creek Intake is deteriorating and increasingly unable to maintain sufficient flow during low creek conditions. A 2022 condition assessment by WSP recommended short- to medium-term replacement due to the structure's age, functional degradation, and operational risks associated with ongoing maintenance.

  In Q1 2025, staff completed a draft RFP for Phase 1 design and permitting work, with issuance planned for Q2 2025. Phase 1 ($263,000) includes detailed design, permitting, intake improvement review, and preparation of a tender-ready construction package.

  The required budget for the construction (Phase 2) will be confirmed through the Phase 1 deliverables. Project delivery will require coordination with First Nations and environmental regulators.

  Budget: $205,340 – 2025

- Chapman Creek Environmental Flow Needs Reduction- Development and Implementation of Chapman Creek Environmental Monitoring Plan

  An Adaptive Management Plan (AMP) to support proposed flow reductions at Chapman Creek is being developed in collaboration with the shíshálh Nation. A consulting contract was awarded to Ecofish in Q1 2025 to support development of the AMP. A draft approach was presented to the Ministry of Water, Land and Resource Stewardship (WLRS) in Q1 2025.

  Budget: $500,000 – 2024

- Water Meter installation – Phase 3 District of Sechelt

  An RFP 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 77% complete with 3,500 meters installed in total.

  Project Location: District of Sechelt
  Budget: $9,391,750 – 2020

- Chapman, Edwards, and 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, Edwards Lake $730,000, McNeill Lake $735,500 – 2022 additional funding 2023 and 2024

- 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 specifications were completed in early Q3 2024 and a contract for construction services was awarded to Tritech Group in Q4 2024, followed by issuance of a Building Permit in Q1 2025. A kick off meeting was held onsite to review existing conditions and determine the schedule for required shutdowns with Utility Operations staff. Construction work has been scheduled to start in Q2 of 2025.

  Project Location: Area D
  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 for pond overflow.

  Project Location: Area D
  Budget: $570,000 – 2020

- Chaster Well Redevelopment

  This project was tendered in Q3 2024 but due to pump/motor failure the tendering process has been extended to allow for the changes needed to the specifications and budget amendment. A staff report was presented in Q1 of 2025 to address this project.

  A new tender was issued in Q1, and submissions will be evaluated followed by contract awards in Q2 2025. The well is anticipated to be back in operation in Q3 2025.

  Project Location: Area E
  Budget: $440,000 – 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 (VCH) also added the requirement to add multi-barrier treatment by July 2025 expanding the project scope considerably. A contract was awarded to EHD Engineering Ltd. at the October 10, 2024, Board meeting. Design meetings and site visits were held and initial design drawings were received by staff in Q1 of 2025. Staff are reviewing these and starting engagement with First Nations and VCH.

  Project Location: Area A
  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 will commence following water modelling for the Fire Flow Action Plan, to be followed by the design, tendering, and construction of the required upgrades. Project is currently considered for completion in 2026.

  Project Location: Area E
  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 has been completed and concluded that it could cost up to $9,000,000 to do the required upgrades. In Q1 staff prepared the tender documents for the preliminary design, with a budget of $190,000.

  Project Location: Area A
  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 VCH/shíshálh Nation 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.

Archaeological concerns delayed drilling at Sechelt | shíshálh Hospital, but reports confirmed in Q4 that work can proceed in Q1 2025.

Drilling commenced and completed at Test Well Site No. 4, Sechelt | shíshálh Hospital in Q1 2025. A drilling depth of 287 feet was reached followed by a 72-hour pump test that took place at the Hospital test well site from February 18 to February 21. A meeting with SCRD staff, shíshálh Nation, and VCH took place on February 28. Action items identified at the February meeting have been initiated.

Results will be presented to the Board in Q2 2025.

Project Location: Regional
Budget: $475,000 – 2022

- Lower Crown and Second Reservoir: Advanced Feasibility and Development

  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.

  In Q1 2025 a Water Licence Amendment application has been drafted and will be submitted in Q2 2025.

  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.

  In Q1 2025 the shíshálh Nation confirmed the funding for the construction of the project.

  Project Location: Regional
  Budget: $100,000 – 2023, $1,555,786 – 2025

- 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 (i.e., Waugh Lake). In Q2 2024, a contract was awarded to Kalwij Water Dynamics Ltd. to assist 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 an RFP for the design of the required infrastructure. Intake improvements were completed in Q4 2024. Regular water quality water sampling has been completed throughout Q1 2025. The tender documents for design and engineering are expected to proceed in Q2 2025.

Project Location: Area A
Budget: $275,000 – 2023

- Fire Flow Action Plan Development

  Staff have completed detailed modelling identifying areas of concern which do not meet fire flow requirements. An internal Fire Flow Action Plan meeting was held in Q4 2024 to identify possible solutions and modelling of these solutions is underway. Detailed water modelling analysis is underway to confirm the areas of concern and potential solutions. Staff are working to prepare a technical memorandum for each electoral area, identifying proposed upgrades and their impacts. 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 was successfully completed in Q3 2024. Staff are currently undertaking several technical assessments to confirm the technical feasibilities to address the most substantial areas of concern. Project completion is scheduled for late Q3 or early Q4 2025.

  Project Location: Regional
  Budget: $250,000 – 2024

- Hopkins Landing Waterworks District Feasibility Study

  The initial results of the feasibility study were presented to the Board on January 25, 2025. Budget to support additional wok on the feasibility study and an emergency water supply agreement was approved by the Board as part of the 2025 Budget Process.

  Budget: $95,000 - 2025

- 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 Q2 2024. Work started on this repair/upgrade under the guidance of RAM Engineering. Physical works to repair/reinforce footings were completed in Q4 2024. In 2025, monthly surveying monitoring of the raw water intake line continues. The Preliminary geotechnical slope stability assessment has been provided for review and the final draft of the preliminary full hillside slope stability assessment is expected to be received late Q2 2025.

  Budget: $294,469 – 2023

- Dogwood Reservoir Decommissioning and Replacement

  The Dogwood Reservoir, a wood stave reservoir located in Madeira Park, has been offline for years because of serious leak issues. Given the reservoirs current condition, inadequate volume, and poor water system pressures, staff are investigating options to replace the reservoir such as construction of a new larger reservoir at a higher elevation on Cecil Hill.

  A procurement process has been undertaken, and the bids are being evaluated. Award is expected in Q2 2025.

  Project Location: Area A
  Budget: $108,000 – 2021

- Cross Connection Control Program

  Legally the SCRD is obligated to have a program to prevent contamination of our drinking water systems due to water flowing back into our system from large connections. This is called a Backflow Prevention Program. An internal review of the current program has found it to be inadequate and is not compliant with Provincial regulations and exposes the SCRD to legal and financial risks. The intention is to develop and implement an updated program in three years.

  At the January 9, 2025, Committee of the Whole meeting the Board received a staff report with additional information on a Cross Connection Control Program.

  Budget: $90,000 - 2025

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 has been 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 filters for the plant upgrade arrived in March. A construction tender was issued and closed on October 30, however there

were not enough funds available to permit awarding the project. To encourage competitive bidding, as well as local bidders, the project is being redrafted into three separate construction projects, with Phase 1 of the construction to be issued for tender in May 2025.

Budget: $968,591 – 2021

- Square Bay, Jolly Roger and Secrete Cove Wastewater Systems – Feasibility Studies

  An RFP to undertake a feasibility study on the long-term upgrades required for the Square Bay collection system has been completed. The Scope of Works was combined with the Scope of Work to amalgamate the Jolly Roger and Secret Cove Wastewater Systems. This project has been awarded, and the kickoff meeting is expected early Q2 2025.

  Budget: $15,000 (Square Bay) $25,000 (Secret Cove and Jolly Roger) – 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 are now reassessing the feasibility of several design options to meet the Terms and Conditions of the grant and will engage with the YMCA in this process.

  Budget: $1,024,966 – 2022

- Transfer Pender Landing Wastewater Treatment Plant

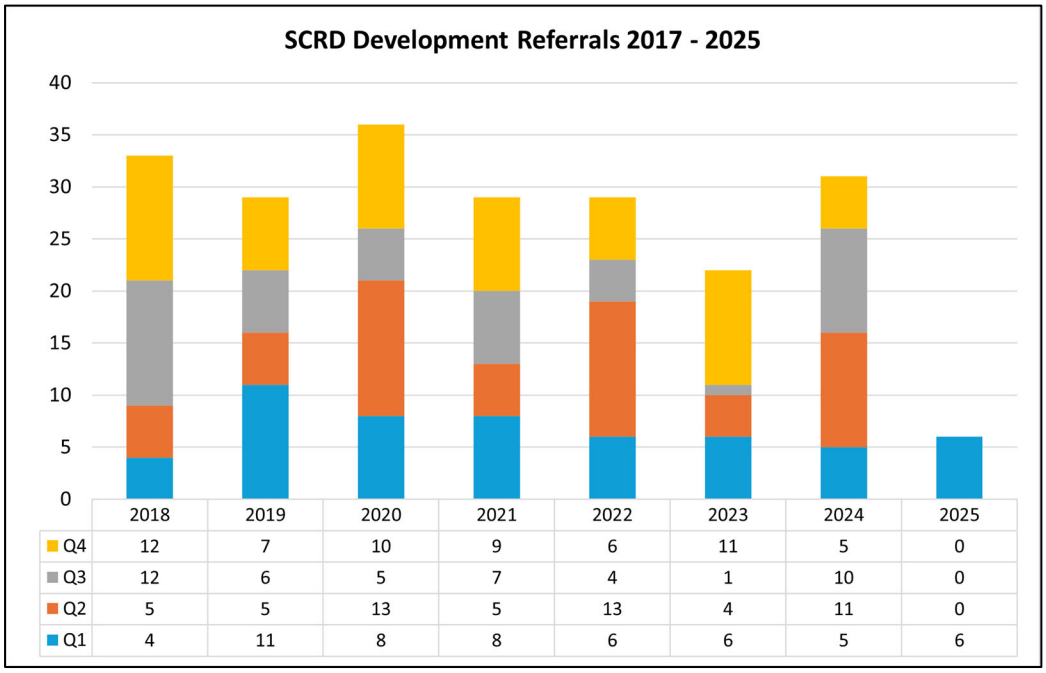
  A review of the Pender Landing wastewater service is currently underway. The SCRD is working with the owner of the collection system for handover with aim to establish a wastewater service area with the SCRD. Staff are also in contact with PODS and the Ministry of Environment and Park regarding their interests.

  Budget: $37,500 - 2025

Water and Wastewater Service Reviews

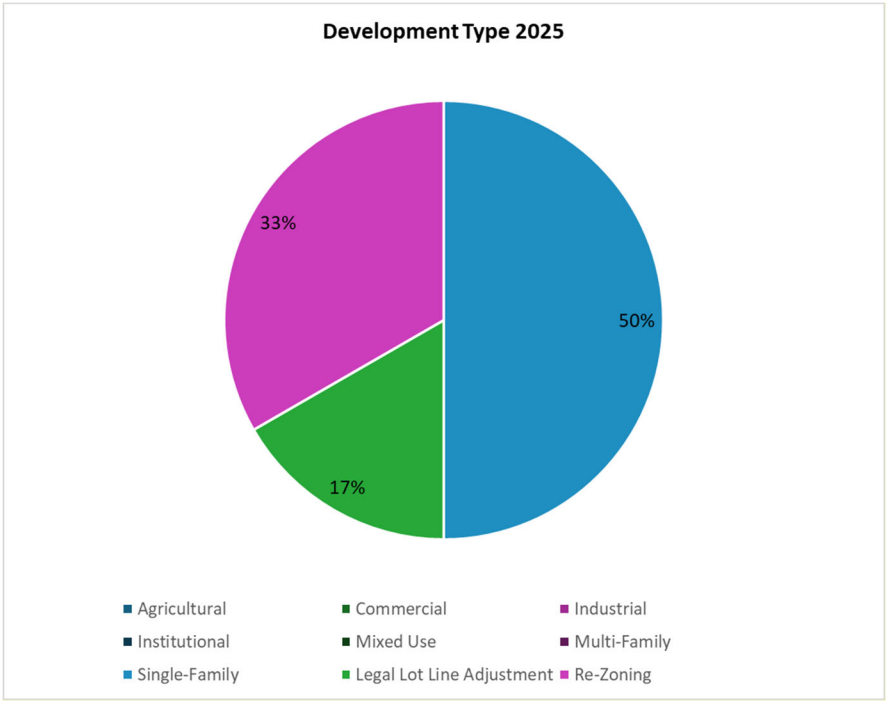
The charts below provide an overview of the development projects within the SCRD's water and wastewater servicing areas. A significant number of these projects are still in progress and will include upgrades to existing water systems. Data is not available for development prior to 2017, and thus only data from 2017 to Q1 2025 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.

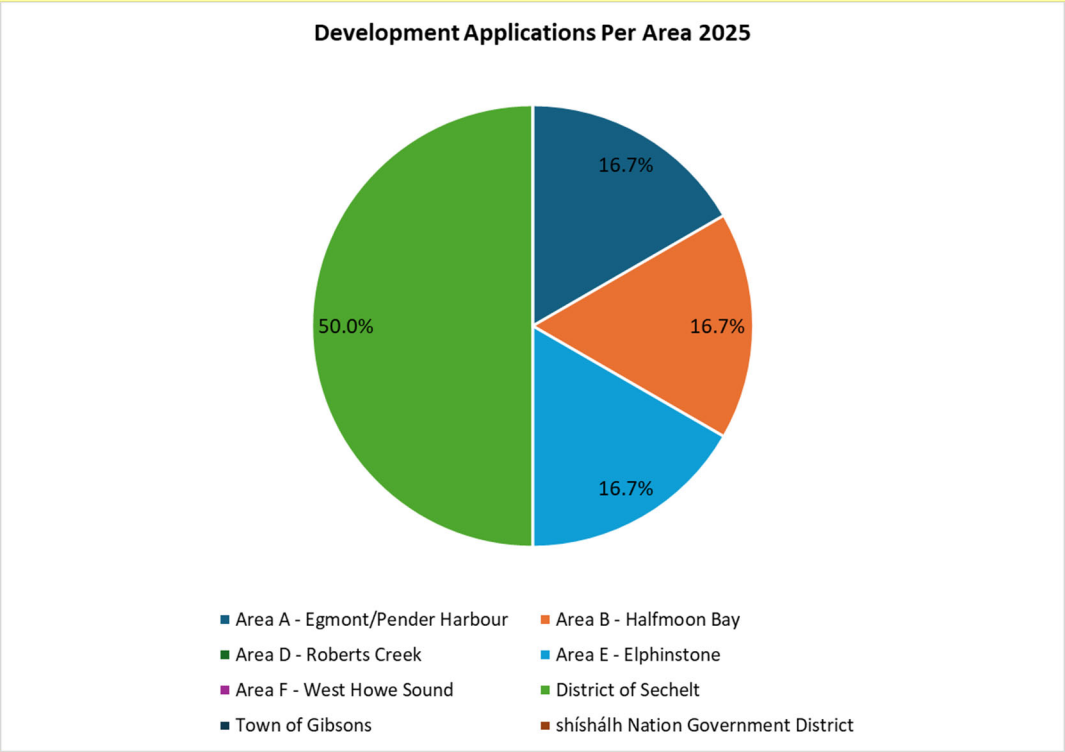
The following bar chart shows development applications received each year since 2017. 2020 was a peak year for development applications at 36 applications. The Infrastructure Services Department received six new development application referrals in Q1 2025. Development referrals have not been broken out for water and sewer servicing.



	2018	2019	2020	2021	2022	2023	2024	2025
Q4	12	7	10	9	6	11	5	0
Q3	12	6	5	7	4	1	10	0
Q2	5	5	13	5	13	4	11	0
Q1	4	11	8	8	6	6	5	6

The following two pie charts show the types of development applications submitted in Q1 2025.





The majority of development applications made in Q1 2025 were received through the District of Sechelt, with a total of three.

WATER SUPPLY

Water Conservation Programs

- 532 leak notifications were issued in January and March based on consumption data, of which 452 were flat rate (residential) and 80 metered rate (commercial) customers.
- Continued focus on shut-off notices for high volume leaks. In January, 14 notices were issued resulting in an estimated reduction of 300,000 litres per day across SCRD water systems.
- Monthly Water Use Updates had both new subscriptions and cancellations staying level at approximately 1,100 enrolled properties.
- In the Regional Water Service Area, nine Rainwater Rebates have been issued pre-approval of which four have had systems installed and claimed, resulting in over 31,000 Litres of new storage. For the Regional Water Service Area, $28,000 of rebate funding remains, with $2,000 and $1,500 in the South Pender and North Pender Water Service Areas respectively.
- Prioritizing final water meter audits in South Pender and North Pender Harbour Water Systems in preparation for mock and volumetric billing.

- Continued work on Regional Water Service Areas water meter audits to prepare for transition to volumetric billing in 2027.
- Continued support of Phase 3 water meter installations with communication messaging.

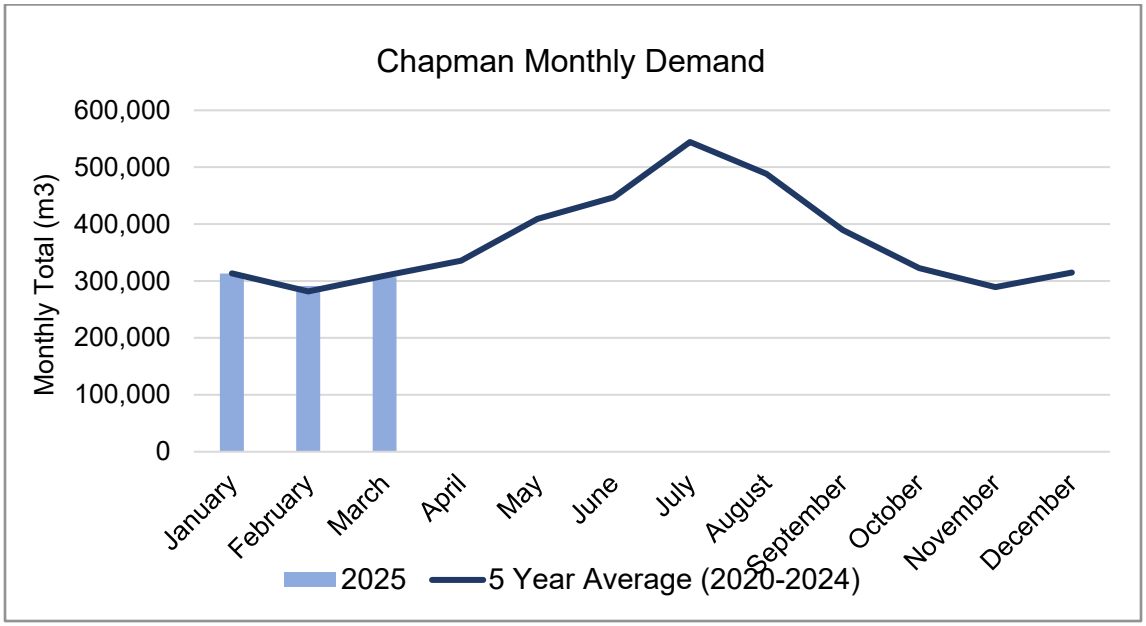
Water Planning and Policy Development

- Volumetric Billing Project Team continues project development, prioritizing mock billing for South Pender Harbour and North Pender Harbour in 2025, bylaw updates, and policy/procedure development.
- SCRD Water Strategy
  - Adoption is awaiting review of final draft strategy document.
- SCRD Draft Water Efficiency Plan
  - Water sustainability program development continues in preparation for alignment with approved Water Strategy.

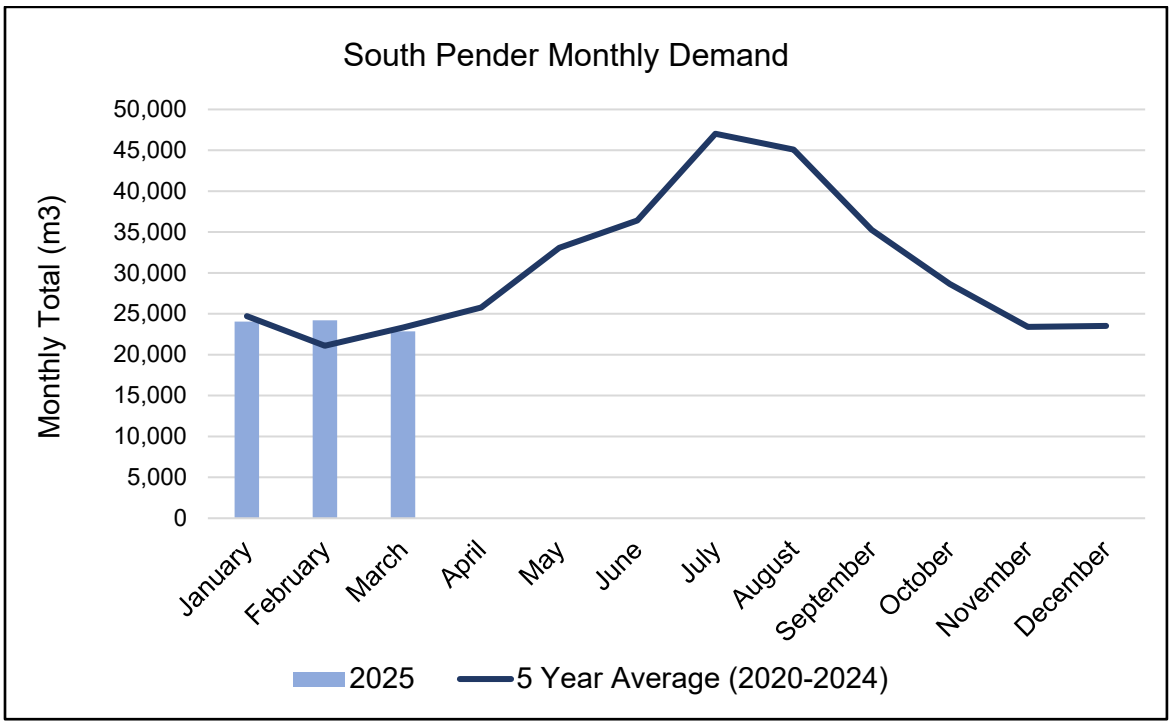
OPERATIONS - WATER DISTRIBUTION SYSTEMS

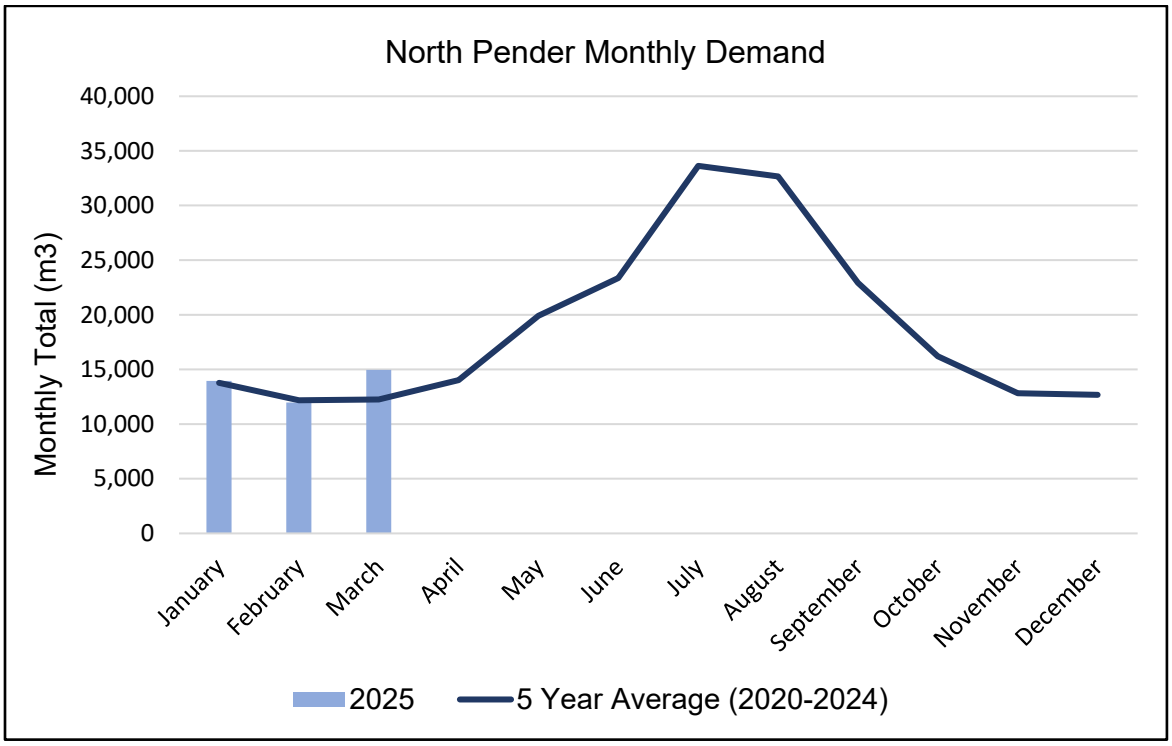
WATER DEMAND PER WATER SYSTEM

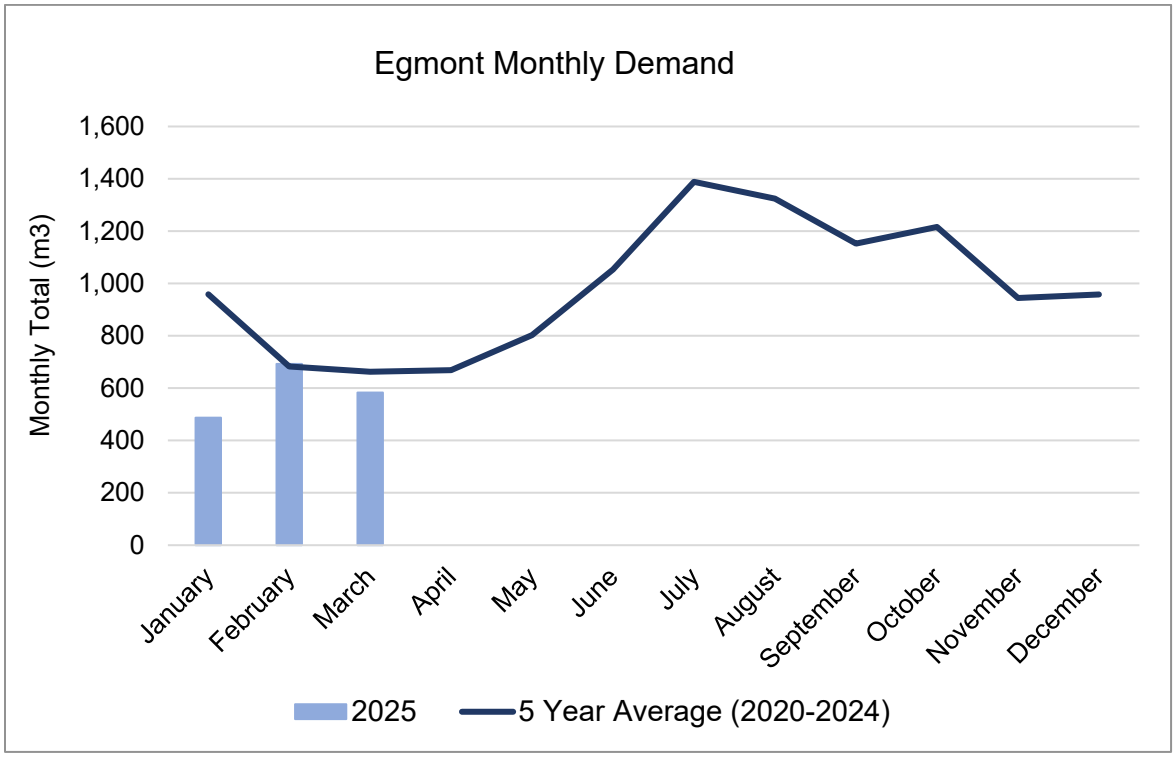
The following graphs show the monthly total water use per SCRD water system in Q1 2025. Each graph also presents the average monthly water use from the previous five years (2020 - 2024).

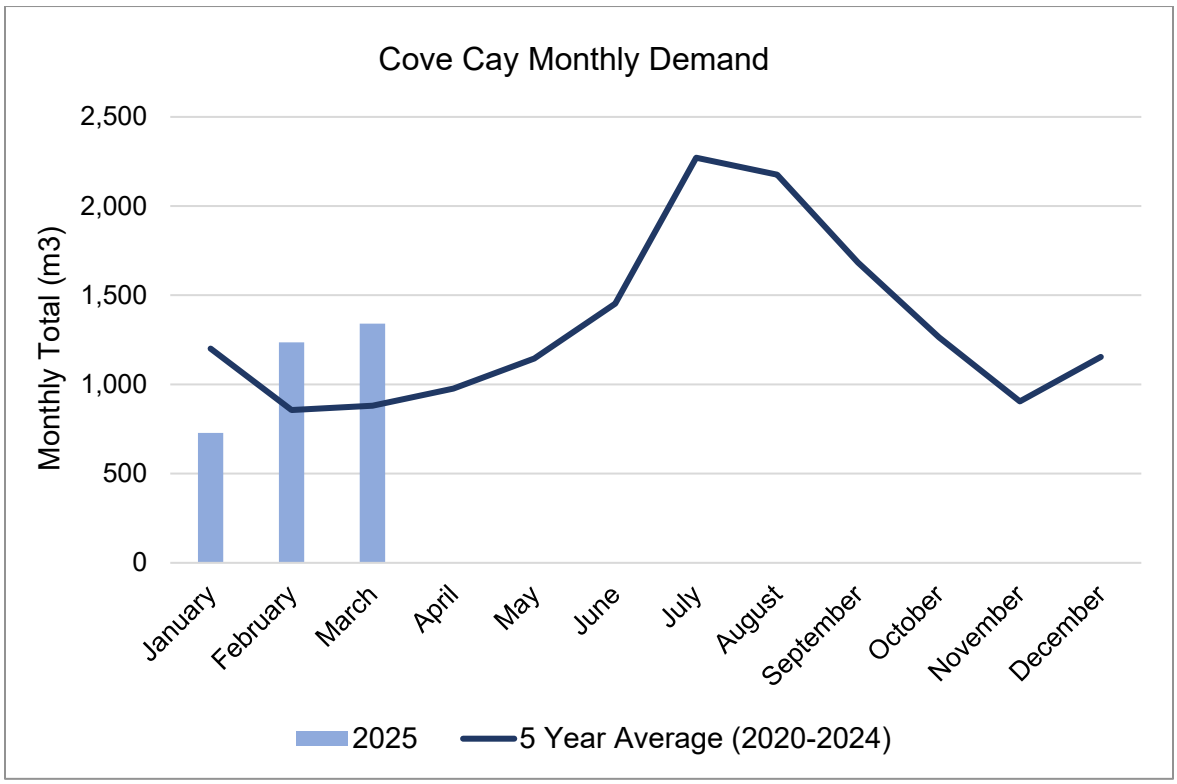


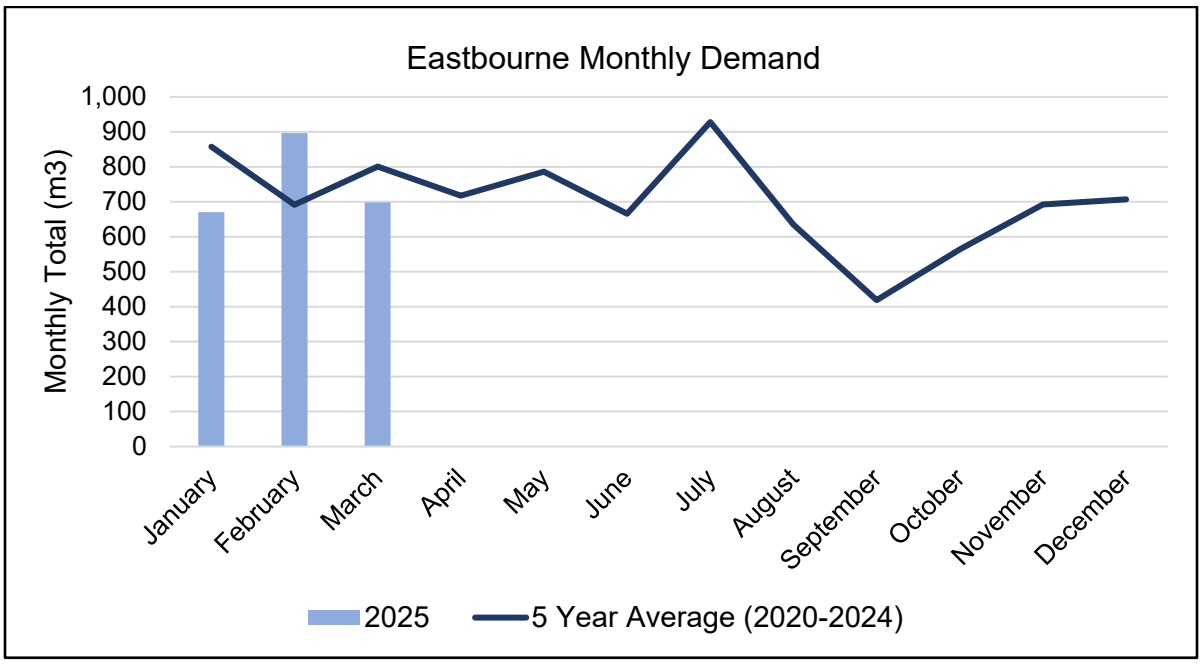
Chapman Water System sources include Chapman and Edwards Lakes, Chaster Well, Gray Creek, Church Road Wellfield, and Soames Well.


South Pender Monthly Demand
Monthly Total (m3)
50,000
45,000
40,000
35,000
30,000
25,000
20,000
15,000
10,000
5,000
0
January
February
March
April
May
June
July
August
September
October
November
December
2025
5 Year Average (2020-2024)


North Pender Monthly Demand
Monthly Total (m3)
40,000
35,000
30,000
25,000
20,000
15,000
10,000
5,000
0
January
February
March
April
May
June
July
August
September
October
November
December
2025
5 Year Average (2020-2024)

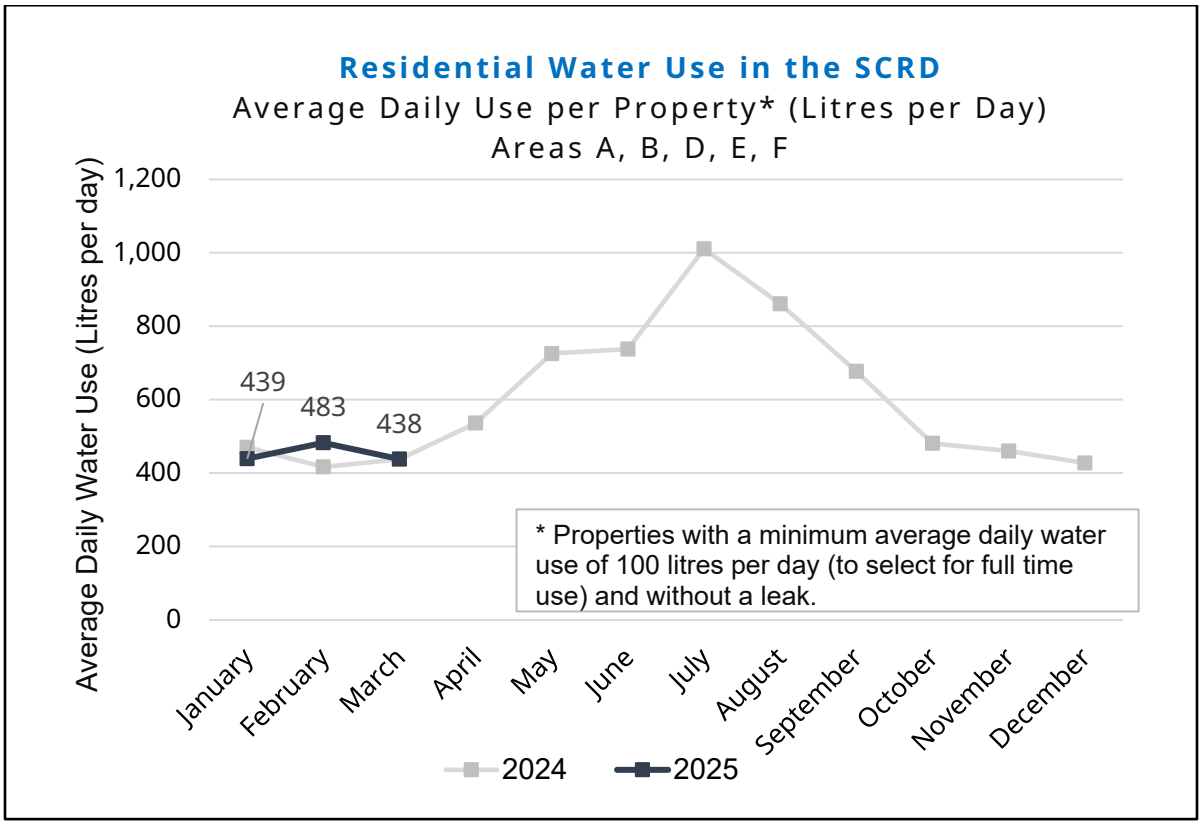

Egmont Monthly Demand
Monthly Total (m3)
1,600
1,400
1,200
1,000
800
600
400
200
0
January
February
March
April
May
June
July
August
September
October
November
December
2025
5 Year Average (2020-2024)


Cove Cay Monthly Demand
Monthly Total (m3)
2,500
2,000
1,500
1,000
500
0
January
February
March
April
May
June
July
August
September
October
November
December
2025
5 Year Average (2020-2024)



RESIDENTIAL WATER USE

The average daily water consumption by a residential property without a leak and using more than 100 litres/day in Q1 2025 was 447 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 A, 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

A project update, including draft strategies and actions to be included in the Draft Plan were presented to the Committee of the Whole in March. A public facing backgrounder and feedback form has been posted to the project's webpage for public feedback. Progress has been made on the Draft Plan, with anticipated completion in Q4 2025.

Biocover Feasibility Study - Phase 2

The SCRD identified a biocover as a potential final cover for the Sechelt Landfill when it closes in 2030. 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, undertaken in 2020, concluded that a biocover could provide economic benefits to the SCRD and community, and significantly reduce GHG emissions.

Phase 2 involves a pilot study where three biocover test cells were added to a small portion of the Sechelt Landfill and monitored over a one-year period. In 2023, a contract was awarded to Sperling Hansen Associates to conduct the project. Three pilot biocover cells were constructed at the end of 2023 which went through a one-year monitoring period that concluded in Q4 2024. Sperling Hansen will produce a report summarizing its effectiveness and potential for use as final cover in Q2 2025. A presentation will be provided to the Board in late Q2 or early Q3 2025.

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 was posted in Q3 and closed in Q4 2024. Staff evaluated proponents and brought a report to the Board to award the contract to Saxon Contracting Ltd. and increase the budget. Construction began in Q1 and is expected to be completed in Q2. A construction report must be submitted to the Ministry within ninety days after the project is completed.

Budget: $925,000 – 2024 additional funding 2024

Sechelt Landfill Vertical Expansion and Waste Export Feasibility Study

Two detailed feasibility studies for a potential vertical expansion of the Sechelt Landfill and the export of waste from the Coast are well underway by consultant Sperling Hansen Associates.

The findings of the two feasibility studies, as well as a business case comparing the two options are anticipated to be completed in Q2 2025 and will be presented to the SCRD Board for decision. Long-term disposal options such as these will be included in the updated Solid Waste Management Plan.

Budget: $165,000 – 2024

Pender Harbour Transfer Station Upgrades – Phase 2

Phase 2 of the Pender Harbour Transfer Station upgrades design has been completed. Tender documents have been drafted and will be posted once finalized. Construction periods will be scheduled outside of the busy summer months to reduce service disruption. Lock blocks from Sechelt Landfill will be reused for the project and have been transported to the Pender Harbour Transfer Station site prior to the Sechelt Landfill Contact Water Pond construction.

Budget: $765,000 – 2023

Sechelt Landfill Power System Replacement

BC Hydro is working on final design changes required for civil construction works to bring electricity into the Sechelt Landfill site underground after the poles are terminated at the

northeast corner. The additional design work is being circulated for approval. Once approved an RFP for underground civil works will be issued. BC Hydro will schedule their work after the civil works are completed.

Budget: $634,890 – 2024

SOLID WASTE PROGRAMS

British Columbia Product Stewardship Council (BCPSC)

Staff attended meetings on February 18, 2025, and received updates from BC Ministry of Environment and Parks regarding current plans under review. Membership shared work being undertaken to improve public knowledge of Extended Producer Responsibility programs in their region.

Coast Waste Management Association (CWMA)

Staff attended a working group on Education and Communication on March 20 and Construction and Demolition waste on February 21, 2025. Discussion topics included updates to the CWMA Knowledge Base and members shared work being undertaken in their regions. The group agreed to share resources with CWMA's Knowledge Base to assist with information sharing.

Metro Vancouver Regional Waste Reduction Coordinators' Committee (RWRCC)

Staff attended a meeting on January 15, 2025, where updates were provided on available educational resources and members shared their priorities for the upcoming year, these included reducing contamination of curbside recycling and considering new initiatives.

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 February 28, 2025, the site received 5.8 tonnes of food waste from residents.

Major Appliance Recycling Program (MARR)

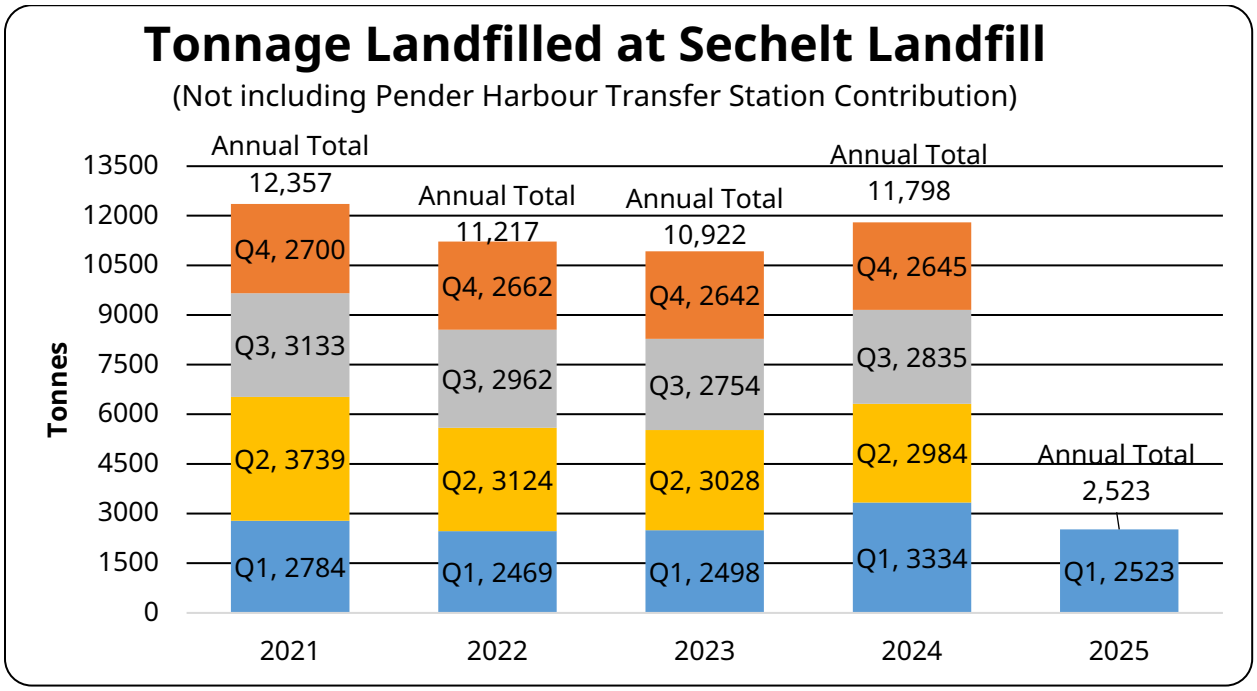
On November 1, 2022, the Sechelt Landfill and Pender Harbour Transfer Station, in partnership with the MARR program, began accepting major household/residential appliances for free. In Q1 of 2025 the program received 695 units.

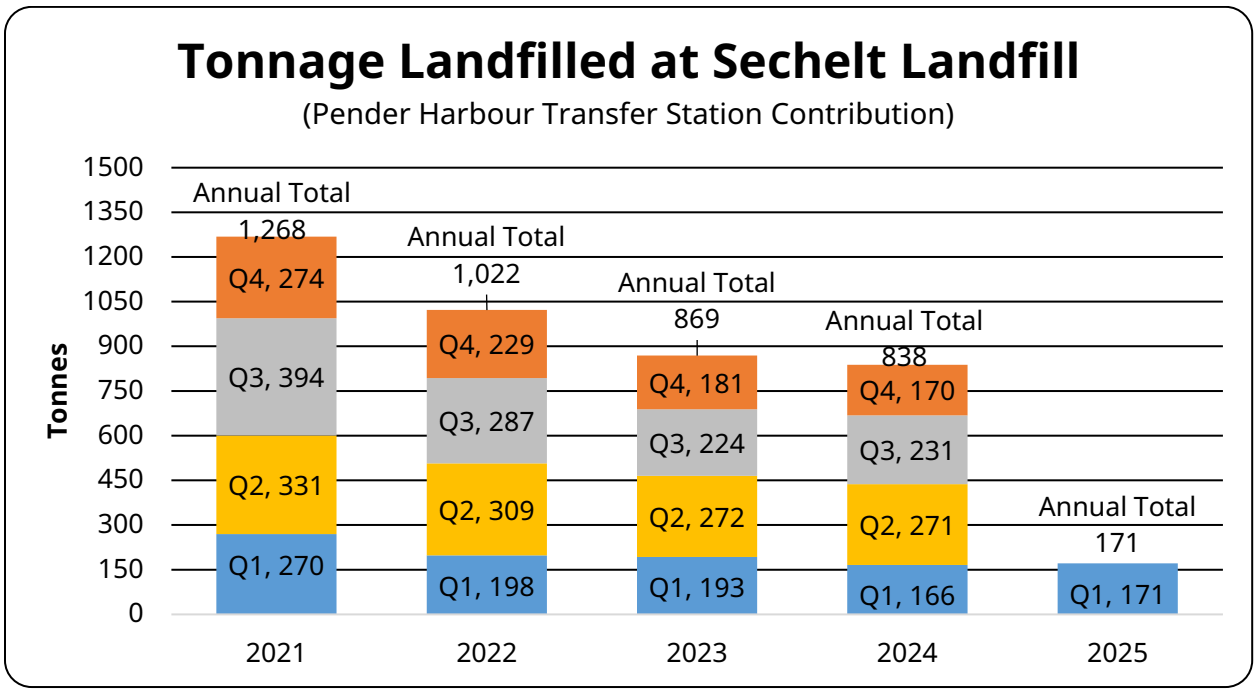
Textile Recycling Program

In partnership with Diabetes Canada, the textile recycling program at the Sechelt Landfill and Pender Harbour Transfer Station accepted 1,900 kilograms of textiles between January 1 and March 31, 2025.

Statistics – Landfill

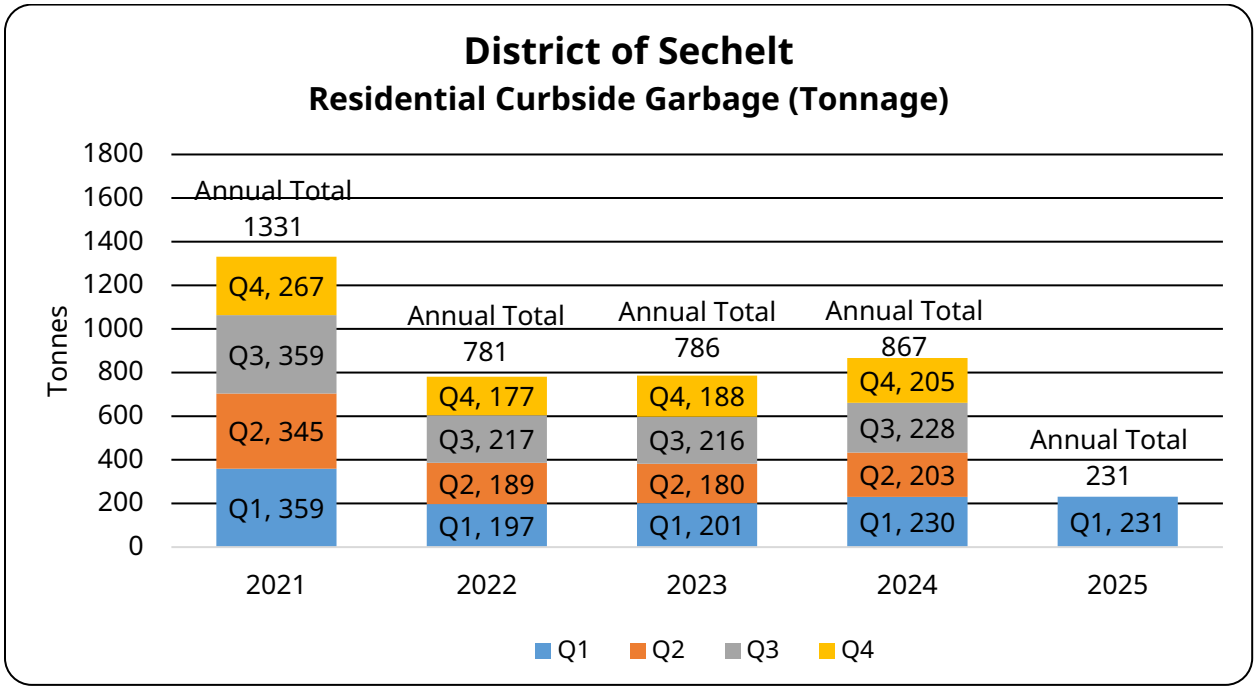
The tonnage presented in the following charts includes an estimated combined total of all material from the Pender Harbour Transfer Station that is deposited at the Sechelt Landfill, and all materials received at the Sechelt Landfill site. This includes residential curbside garbage, self-hauled garbage,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

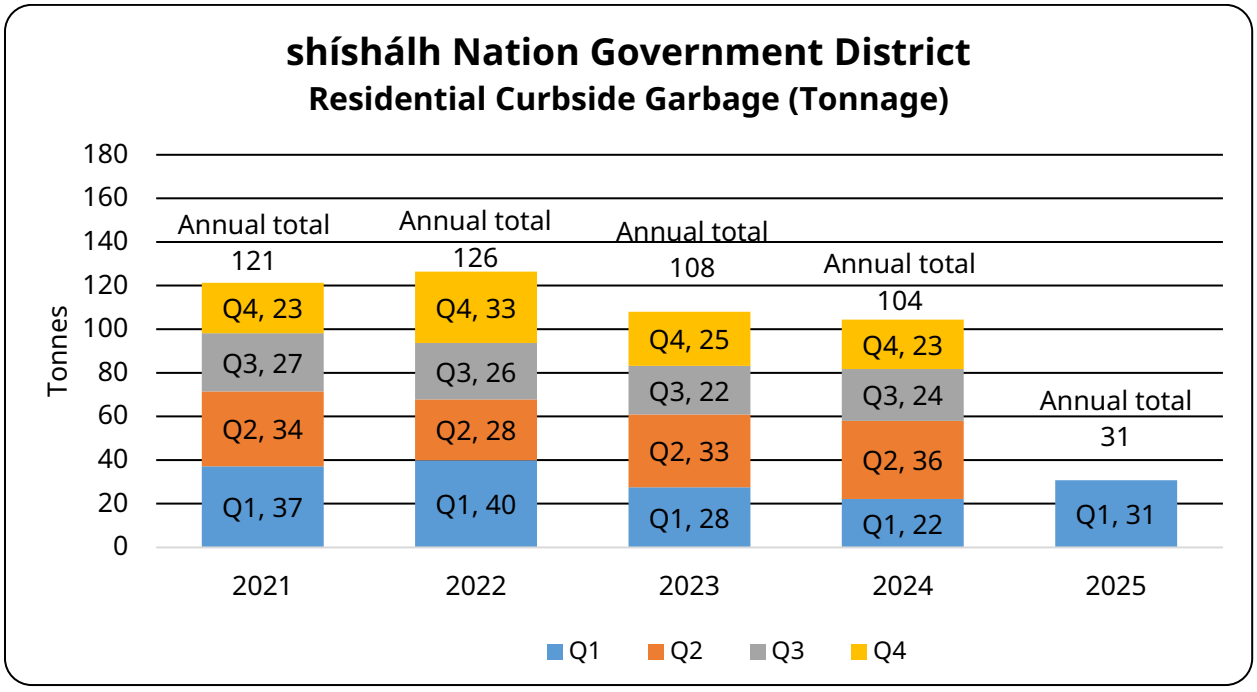


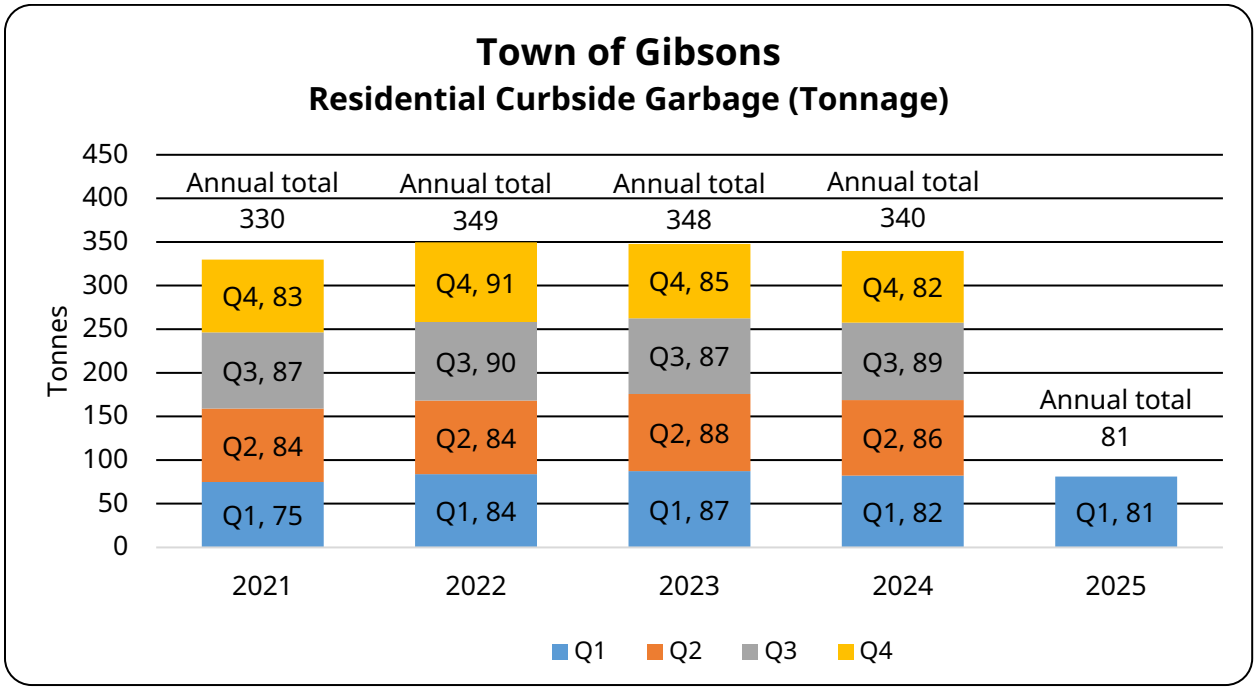


Statistics – Curbside Collection Services

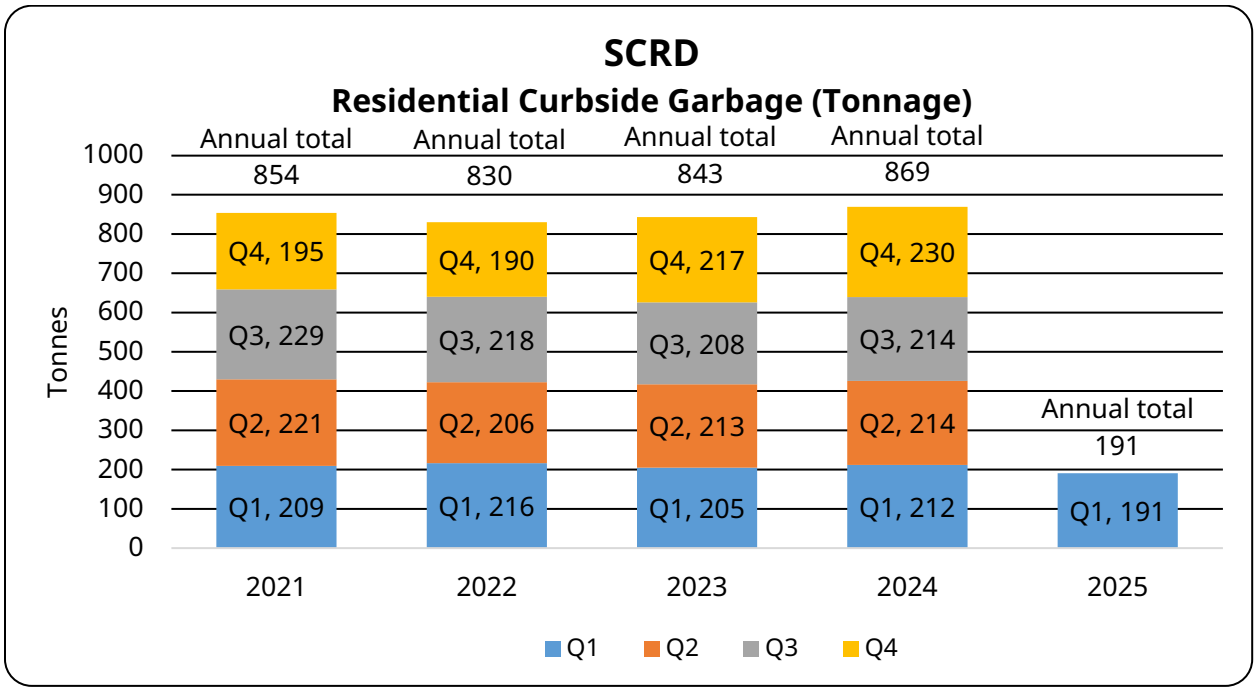
The residential curbside garbage tonnage presented in the charts below includes garbage collected curbside from residential dwellings in the Town of Gibsons, shíshálh Nation Government District (sNGD), and District of Sechelt (DOS). Curbside residential garbage is then delivered to the Sechelt Landfill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

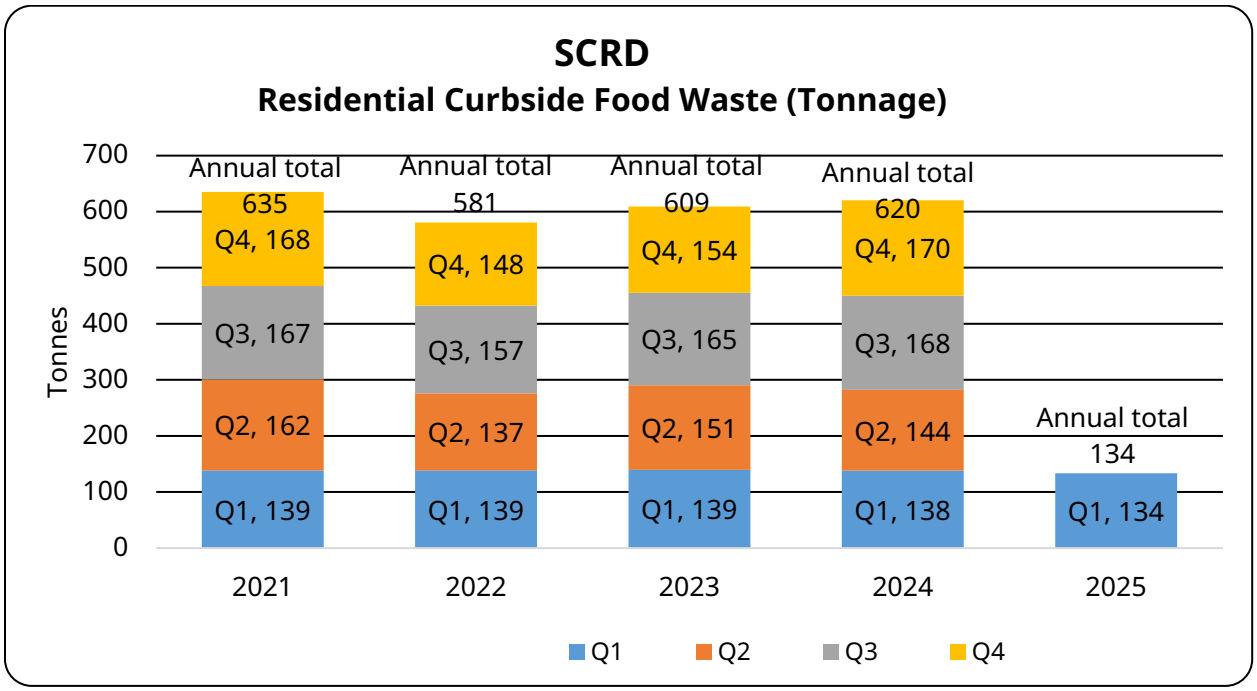



shíshálh Nation Government District
Residential Curbside Garbage (Tonnage)
Tonnes
180
160
140
120
100
80
60
40
20
0
Annual total 121
Q4, 23
Q3, 27
Q2, 34
Q1, 37
Annual total 126
Q4, 33
Q3, 26
Q2, 28
Q1, 40
Annual total 108
Q4, 25
Q3, 22
Q2, 33
Q1, 28
Annual total 104
Q4, 23
Q3, 24
Q2, 36
Q1, 22
Annual total 31
Q1, 31
2021
2022
2023
2024
2025
Q1
Q2
Q3
Q4


Town of Gibsons
Residential Curbside Garbage (Tonnage)
Tonnes
450
400
350
300
250
200
150
100
50
0
Annual total 330
Q4, 83
Q3, 87
Q2, 84
Q1, 75
Annual total 349
Q4, 91
Q3, 90
Q2, 84
Q1, 84
Annual total 348
Q4, 85
Q3, 87
Q2, 88
Q1, 87
Annual total 340
Q4, 82
Q3, 89
Q2, 86
Q1, 82
Annual total 81
Q1, 81
2021
2022
2023
2024
2025
Q1
Q2
Q3
Q4

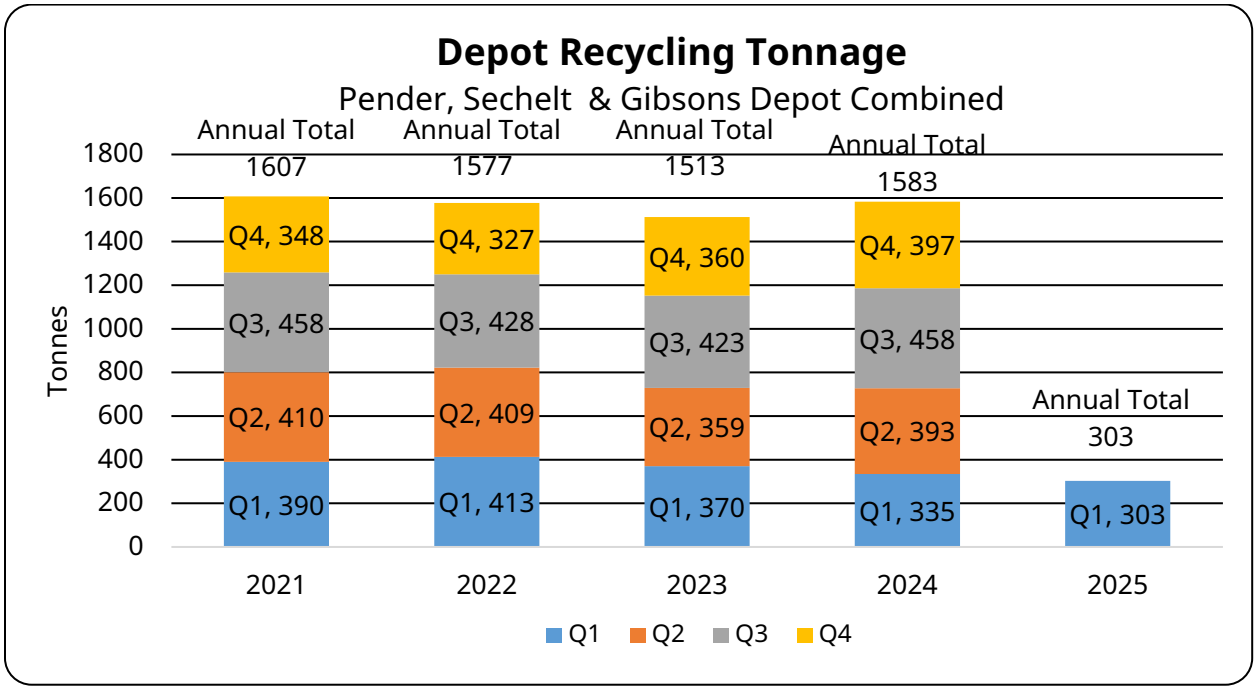
The residential curbside tonnage presented in the following charts is for the SCRD curbside collection program. Curbside residential garbage is delivered to the Sechelt Landfill for disposal. Curbside residential food waste is delivered to Salish Soils for composting.





Statistics – Recycling

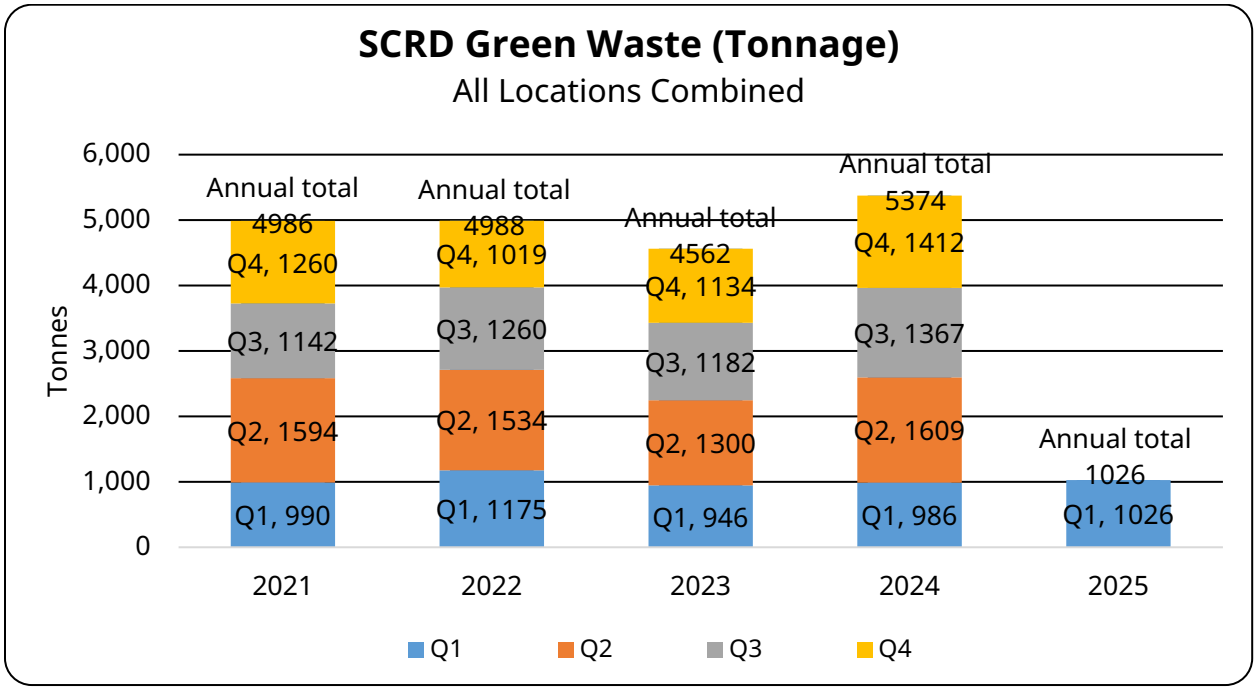
The SCRD has an agreement with RecycleBC to provide residential packaging and paper products (PPP) depot recycling services in Gibsons, Pender Harbour, and Sechelt. The SCRD contracts these services to Gibsons Recycling, GRIPS, and Salish Soils respectively. The data presented in the chart below is provided 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-offs 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.



The increase in green waste for 2024 is due in part to an increase in green waste dropped off at the South Coast Green Waste Henry Road facility after changes were made to allow small businesses access to the previously resident only site.

Reviewed by:			
Managers		Finance	
GM		Legislative	
CAO		Other	