



building communities together

2024 Business Plan Solid Waste Management Service (1008)

Tera Grady, Manager of Solid Waste

Working in partnership with communities large and small to offer local, sub-regional, and regional services to ensure that the Cariboo Chilcotin is a socially, economically, and environmentally desirable region.

Department/Function Services

The function provides solid waste management services in the entire rural area of the Cariboo Regional District, the District of 100 Mile House and the District of Wells. The function also extends some solid waste services to the City of Williams Lake via contract. Cariboo Regional District services provided are in keeping with the Regional District's Solid Waste Management Plan.

Historical Capital Projects

Project	2020	2021	2022	2023
Gibraltar Landfill Phase 3B Liner	\$105,000			
Alexandria TS upgrade New Transtors	\$339,548			
6 Transtor Bin Replacements		\$922,523		
Closure Work, Lined Ditch at CCTS		\$157,669		
4 Transtor Bin Replacements			\$506,839	
New Ground Water Wells: Big Lake, Nazko and Interlakes landfills				\$90,000

Taxation is collected by way of assessment on land and improvements. The level of taxation is regulated by overall costs provided in the Solid Waste Management Plan.

Facilities consist of 33 refuse sites including 18 transfer stations and 15 landfills.

Transfer Stations: Central Cariboo Transfer Station (CCTS) in Williams Lake, Wildwood, Frost Creek, Horsefly, 150 Mile House, McLeese Lake, Chimney Lake, Riske Creek, Alexis Creek, Eagle Creek, Forest Grove, Lone Butte, Lac La Hache, Cottonwood, Baker Creek, Wells, Alexandria and Titetown.

Landfills: Gibraltar, CCTS (inert material only), South Cariboo (100 Mile House), Nazko, Big Lake, Likely, Mahood Lake, Interlakes, Watch Lake, Cochin, Kleena Kleene, Puntzi Lake, Tatla Lake, Nemiah Valley and West Chilcotin.

All Electoral Area Directors and representatives from the District of 100 Mile House and the District of Wells are responsible for the governance of this service.

The Cariboo Regional District is a signatory on the Province of BC/UBCM Climate Action Charter and has committed to continuing work towards carbon neutrality in respect of corporate operations.

Overall Financial Impact

At the time of drafting this business plan, changes to requisition were not required.

Capital reserves for the service were \$3,954,376 as of the end of October 2023. A capital reserve plan has been developed and is represented in the financial plan to ensure the long-term development, replacement, and reclamation of solid waste facilities.

Business Plan Goals, Objectives & Strategies

2024 Goals

- 1. Goal: Initiate Curbside Garbage and Recycling services for South Lakeside, 103/105 Mile, Red Bluff and Dog Creek. Will span into 2025.**
Rationale: These communities all self-haul to transfer stations or landfills and may or may not recycle. In Phase two consultation of the SWMP these communities indicated they were in favor of the utility funded service. These households are eligible for Recycle BC funded curbside recycling service, so long as the CRD provides curbside garbage collection.
Strategy: Engage with Recycle BC, City of Williams Lake for contract discussions, allocate CWF for curbside containers, issue RFP for service provider.
- 2. Goal: Establish Ground water monitoring wells at landfills without wells.**
Rationale: Four rural landfills do not have any groundwater monitoring wells.
Strategy: Allocate CWF to install ground water monitoring wells at Kleena Kleene, Cochin, Tatla and Nemiah landfill sites.
- 3. a) Goal: Establish where and how food waste shall be composted in the Region.**
Rationale: Over 32% of what we currently send to landfill as regular garbage (not including demolition and construction waste) could be composted.

- Strategy:** Confirm that the current, or next amendment of the Organic Matter Recycling Regulation prohibits on-farm composting sites from processing food waste that is not generated “on farm”.
- If confirmed, compare costs and benefits of building a small composting pad for windrow composting vs purchase of an appropriately sized “in vessel” portable composting system and use community works funds to proceed with the best option.
3. **b) Goal: Provide access to compost (food waste) drop off at high traffic refuse sites.**
Strategy: Supply food waste collection containers at high traffic refuse sites throughout the Region.

 3. **c) Goal: Pilot curbside and “doorstep” organics collection in some rural areas.**
Strategy: Apply for Environment and Climate Change Canada or other grant sources for organics collection funding, issue RFP for pilots if funding is obtained.

 4. **Goal: Provide attended oversight of problematic transfer stations - Alexandria and Chimney in 2024.**
Rationale: Alexandria Transfer Station is receiving twice as much waste as it did five years ago. The marshaling yard at the Chimney Lake Transfer Station is being used to dump commercial waste from out of the area as well as materials that are not accepted at the site.
Strategy: Determine if there are options to restrict access to local use, if not, gate sites and provide hours of operation that are reflective of the amount of waste managed at the sites (will not be 5 to 6 days of access like the busier sites).

 5. **Goal: Increase waste diversion by piloting ICI packaging and printed paper recycling.**
Rationale: Over half of the current waste stream is from ICI sources and limited recycling programs are in place, as there is no business case for private recyclers to succeed, particularly for plastics.
Strategy: Engage with ICI customers in the Williams Lake area to find partners willing to participate. Source recycler(s) willing to participate in the pilot.

 6. **Goal: Increase waste diversion by enforcing existing disposal bans of recyclables and hazardous materials at Regional Landfills.**
Rationale: Over 70% of what we currently send to landfill could be recycled or composted.
Strategy: Shift focus of landfill staff to auditing and inspection of waste loads to identify banned items. Provide additional staff if necessary.

- 7. Goals: Increase tipping fees at regional landfills to help offset increasing costs and encourage diversion. Eliminate the practice of using the scale multiple times to avoid residential tipping fees for loads under a certain weight.**
Rationale: User pay provides incentives for changing habits to increase recycling and diversion. Many residents will travel over the scale multiple times to avoid tipping fees.
Strategy: Update the Fees and Charges bylaws for Central Cariboo Transfer Station and the South Cariboo Landfill mid-way through 2024. Launch “custom free units” scale software module to track waste weights by vehicle rather than by the load.
- 8. Goal: Determine private interest in “Diversion Centre” operations to increase waste diversion from landfills.**
Rationale: Municipalities in the CRD lack a one-stop drop-off and shop for diverting reusables, furniture, recycling and organics from landfills. Share sheds are popular but problematic to manage.
Strategy: Engage with local businesses and organizations to determine interest in operation of private Diversion/Reuse Centre(s) and funding requirements.

Measuring Previous Years Performance

2023 Goals

- 1. Goal:** Increase tipping fees at the South Cariboo Landfill.
Rationale: Fees were incrementally scheduled for increases in 2022 and 2023, as they had not been increased since 2013.
Status: Completed.
- 2. Goal:** Investigate and cost options to mitigate future land movement at the historic Frizzi Road landfill, above Williams Creek.
Status: In Progress – slide area was surveyed in 2023 and compared to 2022, no further movement in 2022 slide area, and minor sluffing on adjacent spur ridge.
- 3. Goal:** Build portion of landfill perimeter road at the South Cariboo Landfill
Status: In Progress, $\frac{3}{4}$ completed, will finish in 2024.



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2024 Business Plan Solid Waste Management Plan (1009)

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Department/Function Services

The Solid Waste Management Plan function was established to finance the development of Solid Waste Management Plans, which are required every ten years. The function also funds plan amendments and jointly funded services, such as the recycling hotline and reduction and reuse promotion.

Taxation is collected by way of assessment of land and improvements and the level of taxation is regulated by overall costs provided in the Solid Waste Management Plan.

All members of the Board are responsible for the governance of this service.

Business Plan Goals, Objectives & Strategies

2024

Goal: Fund waste reduction and promotion incentives for organizations carrying out Solid Waste Management Plan objectives.

2025

Goal: Review 1009 function revenue contribution amounts. 2020 – 2023 SWMP was primarily funded with Community Works Funds.

Measuring Previous Years Performance

2020 -2023 Goal

Goal: Initiate and complete the next Solid Waste Management Plan (SWMP) update.

Status: On Schedule for completion by the end of 2023.

Significant Issues & Trends

The Cariboo Regional District is a signatory on the Province of BC/UBCM Climate Action Charter and has committed to continuing work towards carbon neutrality in respect of corporate operations.

Overall Financial Impact

The service currently has a projected surplus of \$24,987 for 2024.