



building communities together

2023 Business Plan Solid Waste Management Service (1008)

Peter Hughes, Manager of Environmental Services

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	2019	2020	2021	2022
Recycling Depots: McLeese & Tatla	\$16,000			
Gibraltar Landfill Phase 3B Liner	\$858,600	\$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

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 the requisition is budgeted to increase 2.0% for a budgeted operating surplus of \$281,005 for 2023 and ending surplus of \$2,229,957.

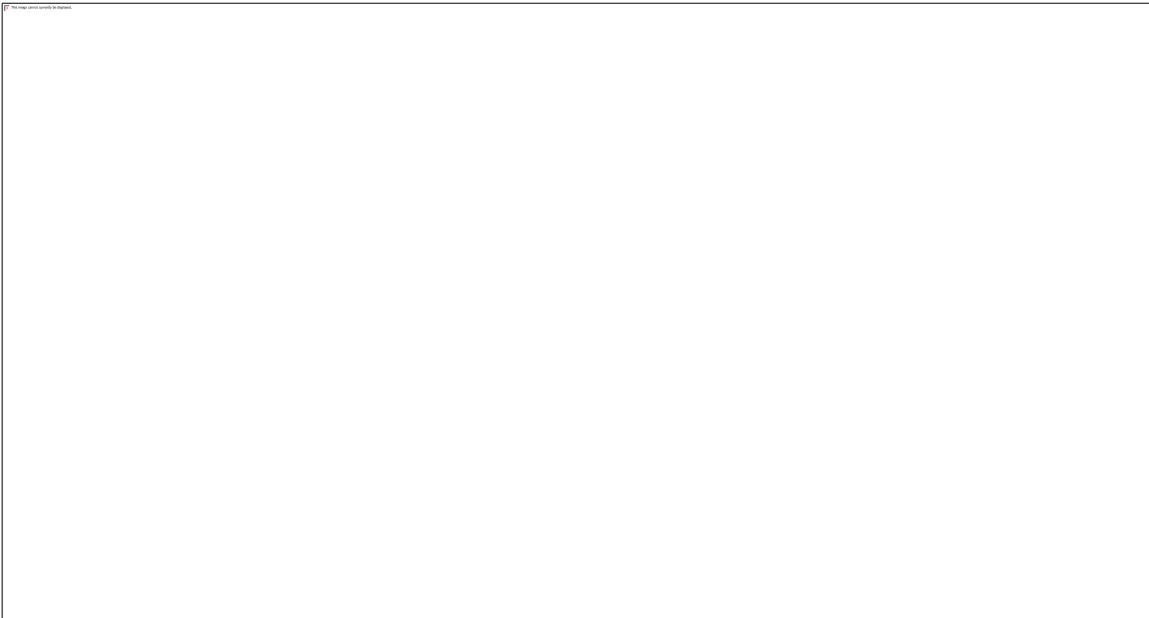
Capital reserves for the service were \$3,633,822 as of the end of September 2022. A capital reserve plan has been developed and is represented in the financial plan to ensure the long-term development, replacement, and reclamation of solid waste facilities.

Business Plan Goals, Objectives & Strategies

2023 Goals

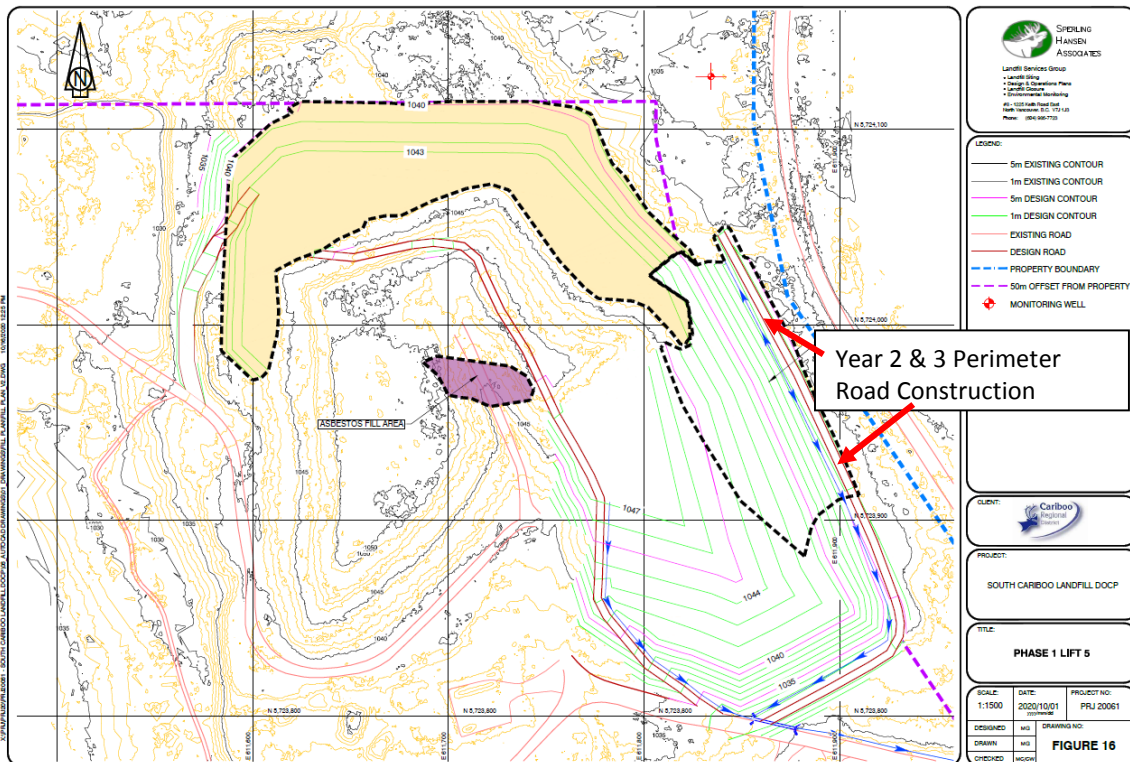
- 1. Goal:** Increase tipping fees at the South Cariboo Landfill.
Rationale: Fees were incrementally scheduled for increases in 2022 and 2023, as they had not been increased since 2013. Revenue will be assessed late in 2023 to determine if a third increase is required in 2024.
Strategy: Implement fees and charges Bylaw No. 5355 in January of 2023.
- 2. Goal:** Investigate and cost options to mitigate future land movement at the historic Frizzi Road landfill, above Williams Creek.
Rationale: A landslide in June of 2022 removed the City of Williams Lake's septic power pole and cut into the historic area of the landfill.
Strategy: Engage with an engineering firm.
- 3. Goal:** Upgrade the leachate treatment facility at the Gibraltar Landfill.
Rationale: The current design has been in use since 2003 and has functioned well for the size of the landfill area generating leachate. With the expansion of the facility in 2019 there is greater surface area intercepting precipitation, resulting in greater leachate production. Improving the leachate system's operation will safeguard against possible exceedances in the permitted discharge.

Strategy: Design and cost upgrades. If feasible complete the upgrades in 2022, if not budget to complete in 2023.



Aerial photo of leachate treatment facility with Gibraltar landfill site in background. Note only 2/3 of the aeration pond is being aerated.

- 4. **Goal:** Build portion of landfill perimeter road at the South Cariboo Landfill.
Rationale: Identified in the 2020 Design Operations and Closure Plan.
Strategy: Develop scope of work/engineering specifications and issue RFP.



Measuring Previous Years Performance

1. **Goal:** Replacement of Transtor waste tipper bins at the Chimney Lake, McLeese Lake and Eagle Creek refuse sites.
Status: Completed.



Replaced the existing and installed a new Transtor tipper bin at the Eagle Creek Transfer Station: Footings and frames in photo.

2. **Goal:** Increase tipping fees at the South Cariboo Landfill.
Rationale: Fees have not increased at this site since 2013. A gradual increase over three years is required to help cover the cost of operating the site.
Status: 2022 increase completed, estimate approximately 35% increase in revenue over 2021.
3. **Goal:** Upgrade the leachate treatment facility at the Gibraltar Landfill.
Status: In Progress.