



*building communities together*

## 2022 Business Plan Solid Waste Management Service (1008)

*Tera Grady, Supervisor of Solid Waste Management*

***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	2018	2019	2020	2021
Likely Landfill Expansion	\$6,000			
Gibraltar Landfill Berm Construction	\$460,000			
Lone Butte Transfer Station Upgrade	\$61,727			
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

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.

## **Business Plan Goals, Objectives & Strategies**

### **2022 Goals**

- 1. Goal:** Replacement of Transtor waste tipper bins at the Chimney Lake, McLeese Lake and Eagle Creek refuse sites.  
**Rationale:** The Transtor tipper bins have reached the end of their expected 20 years of use.  
**Strategy:** Apply for CWF for replacement bins.
- 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.  
**Strategy:** Update the fees and charges bylaw for the site in 2022.
- 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.**

### **Overall Financial Impact**

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

Capital reserves for the service were \$3,371,842 as of the end of September 2021. 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.

### **Measuring Previous Years Performance**

**Goal:** Design and tender the construction of a perimeter berm and surface water diversion system at the Williams Lake Inert Landfill.

- **Partially completed.** Project started and well under way, on target to be completed by the end of 2021.



**Installing “Smart Ditch” Earth Anchors.**



**Using Concrete Waste for Berm Construction.**

**Goal:** Increase tipping fees at the South Cariboo Landfill.

- **Not Completed.** Some discrepancy on whether changes to tipping fees require sign off by the Minister of the Environment. Waiting for clarification. This goal will be shifted to 2022.

**Goal:** Expand the borrow pit at the South Cariboo Landfill.

- **Completed**



**2021 Aerial flight of SCLF, borrow pit expansion in the western area.**

**Goal:** Upgrade the access road into the Interlakes Landfill.

- **Completed**

**Goal:** Replacement of aged out Transtor waste tipper bins at the Riske Creek, Chimney Lake, Cottonwood and Eagle Creek refuse sites.

- **Partially completed.** The Transtor tipper bins at Baker Creek (2), Cottonwood (1), Riske Creek(1) and Horsefly (2) were all replaced in 2021. Upgrade options were investigated for Chimney, Eagle Creek and McLeese sites in 2021 to determine if two tipper bins could be placed at each site.



**One of the new bins at Horsefly transfer station being tipped.**