

# COMMUNITY NEED SUMMARY

## Landfill & Recycling

### Strategy

#### Target Outcome

We envision minimizing waste disposal and maximizing waste diversion.

#### Related Strategies

- [Solid Waste Management Plan](#)

#### Core Service Levels

##### Diversion Services

Responsible for solid waste management planning in the Capital Region, including policy and program development to increase waste reduction or recycling.

##### Landfilling Services

Ensure regional landfill capacity with the operation of the CRD's Hartland Landfill. Ongoing capital and operating investments are made at Hartland to ensure compliance with BC Ministry of Environment landfill regulations, including leachate and landfill gas management infrastructure.

##### Resource Recovery Services

Installation and operation of landfill collection and utilization infrastructure at Hartland Landfill to ensure landfill gas (methane) destruction and compliance with provincial environmental regulations. Seek to maximize the environmental and financial benefits of Hartland Landfill gas utilization.

#	Initiatives	Description	Budget Year	New FTEs For 2020	Budget Impact
9a-1	Resource Recovery and Waste Reduction	Explore additional opportunities for resource recovery & identify best practices to further reduce waste, increase recycling & find beneficial uses for waste	2020		Absorbed in Core Service
9a-2	Infoline Support *	Supplement infoline position for Solid Waste Management Plan (SWMP) support	2020		Absorbed in Core Service
9b-1	Public Awareness of Extended Producer Responsibility	Increase level of awareness of residents about Extended Producer Responsibility programs, proper recycling & waste disposal options	2020		Absorbed in Core Service
9b-2	SWMP Update	Update Solid Waste Management Plan, including determining how to optimize landfill gas utilization	2020		Already funded
9b-3	Controlled Waste Permits *	Additional staff support for Hartland Controlled Waste Permit	2020		Already Funded
9b-4	Electronic Stewardship Attendant *	Electronics Stewardship Attendant	2020	1.0 Ongoing	Already Funded
9c-1	Changing Recycling Markets	Monitor global recycling markets & consult with solid waste industry stakeholders	2020		Absorbed in Core Service

#	Initiatives	Description	Budget Year	New FTEs For 2020	Budget Impact
9d-1	Hartland Landfill Longevity	Extend the life of Hartland landfill to 2100 & beyond through waste reduction & diversion programs and the development of new landfill design options	2020		Absorbed in Core Service
9e-1	Organic Waste Processing Procurement	Initiate the procurement process for in-region, or near in-region, kitchen scraps/yard waste organics processing capacity	2020		Absorbed in Core Service

\* New - Initiatives not in the 2019-2022 Corporate Plan

## Business Model

Value Proposition
<p><b>Environmental Resource Management</b></p> <p>The Environmental Resource Management division minimizes impacts to the environment by promoting waste reduction to the community and efficiently and effectively managing the region's solid waste in an environmentally, socially and economically responsible manner.</p>
<p><b>Engineering &amp; Facilities Management</b></p> <p>The Engineering &amp; Facilities Management division provides professional engineering and project management services, ensures project stewardship and procurement standards are maintained, and delivers building management and inter-divisional services at 15 locations upon request.</p>
<p><b>Environmental Protection</b></p> <p>The Environmental Protection division provides regulatory monitoring and reporting, waste control programs and public education and outreach for waste reduction.</p>

## Who Contributes

- The solid waste service is 100% funded by landfill tipping fees and recycling program revenues. There is no tax requisition required to run this CRD service.

## Metrics

### Metric #1

**Target:** The BC Government has set a 2020 solid waste disposal target rate of 350 kg/person per year.

**Current Status:** Currently, CRD is at 407 kg/person per year, which is less than the provincial average of 506 kg/person (2017).

### Metric #2

**Target:** Capture 75% of landfill gas captured at Hartland landfill.

**Current Status:** Current capture rate is 66%.

### Metric #3

**Target:** Waste compaction rate at Hartland Landfill of 850 kg/m<sup>3</sup>.

**Current Status:** Current waste compaction rate at the landfill exceeds the target at 1160 kg/m<sup>3</sup>.