

ERM 24-49

### REPORT TO ENVIRONMENTAL SERVICES COMMITTEE MEETING OF WEDNESDAY, SEPTEMBER 25, 2024

#### **SUBJECT** Environmental Resource Management – 2025 Operating and Capital Budget

#### **ISSUE SUMMARY**

To provide an overview of the draft Environmental Resource Management (ERM) 2025 budget, highlighting the changes from the 2024 budget.

#### **BACKGROUND**

The Capital Regional District (CRD) established a local service for solid waste disposal in 1973. The ERM division is responsible for municipal solid waste management, including waste reduction, recycling programs and the operation of Hartland Landfill.

ERM in the capital region is based on the Ministry of Environment & Climate Change Strategy's 5R pollution prevention hierarchy of Reduce, Reuse, Recycle, Resource Recovery and Residuals Management, with the goal of extending the life of Hartland Landfill by minimizing waste disposal and maximizing diversion opportunities. The CRD's solid waste mandate, using the 5R pollution hierarchy, is delivered to the community through a provincially mandated and recently approved regional Solid Waste Management Plan (SWMP). The SWMP targets reducing per capita waste generation from the current rate of 409 kg/capita to 250 kg/capita by 2030.

All costs associated with the CRD's solid waste disposal and diversion programs are funded through tipping and user fee revenues at Hartland Landfill, service delivery agreements for stewarded materials, sale of energy and sale of recyclables. There is no requisition for this service.

The draft ERM 2025 budget has been prepared for consideration by the Environmental Services Committee (Appendix A).

#### 2024 Year-End Financial Projections

There is an estimated one-time net favorable variance of \$1,250,000 for ERM's 2024 operating budget. This variance will be utilized as a transfer to capital reserve at year end. The net variance is primarily a result of savings in operating expenditures (\$2.85 million) offset by a reduction in revenue (\$1.6 million). Details can be found in Appendix A under the 2024 Estimated Actual column.

Year-end revenue and expenditure projections for 2024 have been established, and estimated variances are summarized, as follows:

Budget Item	Variance (\$) Surplus / (Deficit)	Variance (%) Surplus / (Deficit)
Diversion Services Expenditures	\$1,750,000	
Landfilling Services Expenditures	\$750,000	
Energy Recovery Services Expenditures	\$350,000	
Total Operating Expenditures	\$2,850,000	7.8%

Budget Item	Variance (\$) Surplus / (Deficit)	Variance (%) Surplus / (Deficit)
Revenue: Tipping Fee	\$1,650,000	
Revenue: Other	-\$3,250,000	
Total Revenue	-\$1,600,000	-3.9%
Reserve Fund Transfers	\$1,250,000	

Operating cost variance/savings (7.8%): Expenses related to the processing of materials contract in the waste diversion services, heavy equipment services and bird control in the landfilling services, and landfill gas program in the energy recovery services are forecasted to be lower than budget, resulting in \$2.85 million savings.

Revenue variance/pressures (-3.9%): Overall total revenue is expected to be lower than budgeted by \$1.6 million. While solid waste tipping revenue for 2024 is forecasted to be higher than budgeted by \$1.65 million, the Operating Reserve transfer is forecasted to be \$2.7 million below the budget. Renewable Natural Gas (RNG) net sales revenue is also forecasted to be lower than budgeted by \$495,000 due to the postponed project completion date of the Hartland Biogas Upgrading Plan construction.

The 2024 net budget surplus of \$1.25 million will be transferred to the ERM capital reserve funds to assist in funding the substantial 2025-2029 capital plan requirements.

#### 2025 Operating Budget

While the draft ERM 2025 budget was prepared, considering the Board's service planning and financial expectations, the 2025 budget proposes significant operating and capital budget increases that will assist the community in achieving the goals set out in the new SWMP. The additional budget pressures are fully funded through revenue increases, resulting in no bottom-line impact. The following are key components of the proposed ERM 2025 budget:

#### **Operating Budget**

Operating budget expenses have increased by a total \$11.2 million over 2024 budget (31%), as follows:

- Diversion Services: increased by \$6 million over 2024 budget (26%)
  - Material Stream Diversion expenses (\$2.7 million)
  - New Curbside Blue Box contract in 2025 (\$2.4 million)

- Increase in Solid Waste Management Plan programming (\$700,000)
- Landfilling Services: increased by \$2.6 million over 2024 budget (21%)
  - Corporate overhead (\$1 million)
  - Heavy equipment contract (\$1.5 million)
- Energy Recovery Services: increased by \$2.6 million over 2024 budget (162%)
  - RNG operating contract (\$1.4 million)
  - RNG plant electricity usage (\$1.0 million)

#### Capital/Reserve Transfer

Relates to transfers to reserves to the Operating Reserve fund, Equipment Replacement fund (ERF) and Capital Reserve fund. The 2025 transfer to reserve budget is \$5.4 million, which is a 38.5% increase over 2024. This increase includes a one-time supplementary increase in transfer to Capital Reserve fund to fund 2025 Capital Plan requirements.

#### **Debt Servicing**

Current debt servicing costs relate to borrowing under Loan Authorization Bylaw No. 4515 for funding to complete the planned infrastructure and improvements in the 2023-2027 capital plan. The authorized \$11.7 million in borrowing was issued under two separate loan issues, which are all set to expire between April and October 2039. Annual interest and principal payments under this bylaw are \$1.23 million per year. The total 2025 budgeted debt servicing costs include the above-mentioned interest and principal payments, as well as an additional \$0.79 million of new debt servicing costs associated with Cell 5 Liner Construction and Cell 1, 2 and 3 Transition Liner projects. Details can be found in Appendix A – Operating Budget.

Operating budget revenues are budgeted to increase by a total of \$15.5 million, as follows:

- Diversion Services (\$2.7 million) Blue Box revenue increase from Recycle BC
- Landfilling Services (\$4.2 million) revenue from material stream diversion policy changes
- Energy Recovery Services (\$8.4 million) revenue from new RNG facility, Q1 start-up

Table 1: 2025 Year Over Year Budget Comparison

Expenditure Type	2025 Financial Plan	2024 Financial Plan	Change	% Change
Operations	\$47,880,452	\$36,632,697	\$11,247,755	30.7%
Debt Servicing	\$2,026,178	\$1,229,666	\$796,512	64.7%
Transfers to Capital / Reserves	\$5,467,701	\$2,118,387	\$3,349,314	158.1%
Total	\$55,374,331	\$39,980,750	\$15,393,581	38.5%

#### 2025 Capital Budget

#### Capital Plan

The Hartland Landfill five-year capital plan is made up of 30 projects totalling \$40 million. These projects can be grouped into five categories:

- Sustaining Capital: This group includes projects that are required to support ongoing daily operations. There are 15 projects that cover items such as computer and vehicle replacements, aggregate production, gas and leachate piping purchase and installation. It also includes projects required to maintain regular operations such as landfill gas capture, Operating Certificate renewal, access improvements and electrical infrastructure upgrades. The estimated cost for this group of projects for 2025 is \$3.5 million, with an estimated five-year total cost of \$12.1 million.
- Progressive Closure of the Landfill: There are three projects over five years totalling \$11.3 million (\$750,000 for 2025), which include projects such as final closure of external faces, interim closure of various internal faces and aggregate stockpile covers.
- Cell 4, 5 and 6 Preparation and North End Commercial Access Improvements: There are 9 projects over five years totalling \$12.7 million (\$9.7 million in 2025), which include design and installation of complete liner systems for Cells 4, 5 and 6, relocating the contractor mobile equipment maintenance shop, a truck wheel wash system and relining of the stormwater sedimentation pond.
- Renewable Natural Gas: There are two RNG projects over five years totalling \$2.8 million (\$1.8 million in 2025) to optimize and take advantage of excess biogas from the Residuals Treatment Facility, such that all gas captured at the landfill is processed and injected into the Fortis BC natural gas distribution system, while ensuring all environmental requirements are met.
- Solid Waste Management Plan Diversion and Beneficial Use Targets: There is one project in 2026 totalling \$1 million to acquire land/depot asset to further diversion initiatives in the region.

#### Capital Funding

There are two primary elements to the capital program funding, reserve funds and debt servicing. The reserve funds are established through annual contributions to allow accumulation of funds for future expenditure. Debt servicing costs (principal and interest payments) are associated with long-term capital infrastructure financing.

Debt: New financing under the \$36 million loan authorization was approved in 2022 for the purpose of financing the solid waste facility five-year capital plan. In summary, the future capital funding will be a combination of reserves and debt financing.

Reserves: There are currently three reserve funds established for this service (2024 estimated year-end balances):

• Operating Reserve (\$8.6 million): This fund was established by Bylaw No. 3867 for mitigating fluctuations in tipping fee revenue and for covering operational expenditures, as required, including debt servicing. The plan is for the reserve balance to be reduced to its \$5 million target balance and then maintained.

- Equipment Replacement Reserve (\$2.1 million): This fund was established by Bylaw No. 945 to fund replacement of computer equipment and for Priority Equipment Replacement equipment that lasts less than 15 years. The 2025 equipment replacement reserve fund contributions are set at \$204,000.
- Capital Reserve (\$23.5 million): This fund was established by Bylaw No. 2164 to fund major equipment and infrastructure replacement that has a service life of 5 to 25 years or more, such as landfill facilities, roads and improvements at the Hartland Landfill site, construction of remote transfer stations, composting facilities, watershed management, closure of Phase 2 and post closure maintenance, and all related ancillary works and equipment necessary for landfill and operations. The 2025 capital reserve fund will be used to fund \$4.2 million of the 2025 capital plan.

#### 2025 Budget Context

The following tables summarize the total 2025 ERM expenditures and revenues. The totals are also summarized in Appendix A, along with the 2024 year-end estimated actuals and the 2026-2029 future projections.

**Table 2: 2025 Budgeted Expenses** 

Budget Component	2025 Budget	% of Total
Consultant and Contract for Services	\$21,242,140	38.4%
Internal Allocations	\$11,595,894	20.9%
Program Expenses	\$4,533,283	8.2%
Salaries and Wages	\$4,424,768	8.0%
Capital/Reserve Transfers	\$5,467,700	9.9%
Repairs and Maintenance Costs	\$2,523,000	4.6%
Debt Servicing	\$2,026,178	3.7%
Operating Cost - Other	\$1,896,100	3.4%
Utilities Costs	\$1,087,898	1.9%
Third Party Payments	\$290,000	0.5%
Operating Supplies	\$212,600	0.4%
Insurance Cost	\$74,770	0.1%
Total	\$55,374,331	100%

Table 3: 2025 Budgeted Revenue

Budget Component	2025 Budget	% of Total
Hartland Tipping Fees	\$28,209,000	50.9%
Recovery - Other	\$9,786,519	17.7%
Sale of Goods and Services	\$9,114,250	16.5%
Reserve Transfers	\$4,444,562	8.0%
Hartland Tipping Fees - Recycling	\$2,020,000	3.6%
Compost Tipping Fees	\$1,800,000	3.3%
Total	\$55,374,331	100%

#### **ALTERNATIVES**

#### Alternative 1

The Environmental Services Committee recommends the Committee of the Whole recommend to the Capital Regional District Board:

That Appendix A, 2025 Operating and Capital Budget – Environmental Resource Management be approved as presented and form the basis of the Provisional 2025-2029 Financial Plan.

#### Alternative 2

The Environmental Services Committee recommends the Committee of the Whole recommend to the Capital Regional District Board:

That Appendix A, 2025 Operating and Capital Budget – Environmental Resource Management be approved as amended and form the basis of the Final 2025-2029 Financial Plan.

#### **IMPLICATIONS**

If the proposed budget is amended, the implications will vary depending on how the amendment impacts specific initiatives, ongoing operations, or the capital work program.

#### **CONCLUSION**

The draft 2025 Environmental Resource Management budget has been prepared for consideration by the Environmental Services Committee, with a primary focus on implementing the new Solid Waste Management Plan, with a goal of diverting waste and extending the life of Hartland Landfill. While the budget was prepared considering the Capital Regional District Board's 2025 service planning and financial expectations, the 2025 budget proposes significant operating and capital budget increases, with no requisition requirement, that will assist the community in achieving the goals set out in the new Solid Waste Management Plan.

#### **RECOMMENDATION**

The Environmental Services Committee recommends the Committee of the Whole recommend to the Capital Regional District Board:

That Appendix A, 2025 Operating and Capital Budget – Environmental Resource Management be approved as presented and form the basis of the Provisional 2025-2029 Financial Plan.

#### Environmental Services Committee – September 25, 2024 Environmental Resource Management – 2025 Operating and Capital Budget

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Submitted by:	Russ Smith, Senior Manager, Environmental Resource Management
Concurrence:	Luisa Jones, MBA, General Manager, Parks, Recreation & Environmental Services
Concurrence:	Nelson Chan, MBA, FCPA, FCMA, Chief Financial Officer, GM Finance & IT
Concurrence:	Ted Robbins, B. Sc., C. Tech., Chief Administrative Officer

#### **ATTACHMENT**

Appendix A: 2025 Environmental Resource Management Budget

### **CAPITAL REGIONAL DISTRICT**

#### **2025 BUDGET**

**Environmental Resource Management** 

**ENVIRONMENTAL SERVICES COMMITTEE REVIEW** 

Service: 1.521 Environmental Resource Management Committee: Environmental Services

#### PARTICIPATION:

All costs recovered through tipping fees & Sale of Goods and Services.

#### **MAXIMUM LEVY:**

No requisition

#### **MAXIMUM CAPITAL DEBT:**

Authorized:	LA Bylaw 3518	12,270,000	Authorized:	LA Bylaw 4515	36,000,000
Borrowed:	SI Bylaw 3547	(2,000,000)	Borrowed:	SI Bylaw 4562	(7,450,000)
	SI Bylaw 3677	(2,500,000)		SI Bylaw 4597	(4,300,000)

SI Bylaw 3769 (2,200,000)

Remaining: Expired May 14, 2013 \$5,570,000 Remaining: \$24,250,000

Total debt outstanding (LA3518) at Dec 31, 2023 \$546,598 Final debt payments (LA3518) in 2026.

Total debt outstanding (LA4515) at Dec 31, 2023 \$7,450,000 Final debt payments (LA4515) in 2038.

#### **COMMISSION:**

#### **OPERATING COSTS - REFUSE DISPOSAL:**

To be recovered through user fees & sale of goods and services

#### **RESERVE FUND:**

Solid Waste Refuse Disposal Reserve Fund, Bylaw No. 2164 (Sept. 8, 1993). Waste Reduction Sustainability Operating Reserve Fund Bylaw No. 3867 (Nov 14, 2012).

			I	BUDGET R	EQUEST					
1.521 & 1.525 - ERM	2024	2024	2025	2025	2025	2025	2026	2027	2028	2029
	BOARD BUDGET	ACTUAL	CORE BUDGET	ONGOING	ONE-TIME	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL
GENERAL PROGRAM EXPENDITURES:										
Diversion Services Landfilling Services Energy Recovery Services	22,718,789 12,345,185 1,568,723	20,950,656 11,595,904 1,229,728	28,130,424 13,163,957 1,408,309	329,200 102,123 2,809,050	213,750 1,723,639 -	28,673,374 14,989,719 4,217,359	26,763,711 13,881,968 4,331,215	26,920,510 13,958,954 4,381,344	27,274,712 14,290,573 4,473,018	27,635,787 14,580,314 4,566,593
TOTAL OPERATING COSTS	36,632,697	33,776,288	42,702,690	3,240,373	1,937,389	47,880,452	44,976,894	45,260,809	46,038,303	46,782,694
*Percentage Increase over prior year		-7.8%	16.6%	8.8%	5.3%	30.7%	-6.1%	0.6%	1.7%	1.6%
CAPITAL / RESERVE Transfer to Equipment Replacement Fund Transfer to Operating Reserve Fund Transfer to General Capital Reserve Fund Transfer to Landfill Closure Capital Reserve Fund Transfer to Millstream Remediation Debt	200,000 356,635 1,100,370 455,120 6,262	200,000 356,635 2,454,950 455,120 6,262	204,000 1,011,772 3,783,990 464,222 3,717	- - -	- - - -	204,000 1,011,772 3,783,990 464,222 3,717	204,000 1,224,040 474,000 473,507	204,000 - 474,000 482,977	204,000 - 474,000 492,637	204,000 - 474,000 502,489
TOTAL CAPITAL / RESERVES	2,118,387	3,472,967	5,467,701	-	-	5,467,701	2,375,547	1,160,977	1,170,637	1,180,489
Debt Expenditures	1,229,666	1,135,336	2,026,178	-	-	2,026,178	2,718,145	2,764,022	2,770,731	2,797,561
TOTAL COSTS	39,980,750	38,384,591	50,196,569	3,240,373	1,937,389	55,374,331	50,070,586	49,185,808	49,979,670	50,760,744
*Percentage Increase over prior year		-4.0%	25.6%	8.1%	4.8%	38.5%	-9.6%	-1.8%	1.6%	1.6%
Allocation Recovery				(202,000)		(202,000)	(207,000)	(211,500)	(216,000)	(220,500)
OPERATING COSTS LESS INTERNAL RECOVERIES	39,980,750	38,384,591	50,196,569	3,038,373	1,937,389	55,172,331	49,863,586	48,974,308	49,763,670	50,540,244
FUNDING SOURCES (REVENUE)  Surplus / (Deficit) Balance C/F from Prior to Current year Sale of Renewable Natural Gas Revenue - Other Transfer from Operating Reserve	(495,000) (10,254,750) (2,740,000)	- (10,238,922)	(8,889,250) (13,300,320)	(329,200) (2,507,173)	- (1,937,389)	(8,889,250) (13,629,520) (4,444,562)	(8,810,066) (13,664,520) -	(8,746,722) (13,664,520) (94,565)	(8,693,936) (13,664,520) (1,557,215)	(8,651,707) (13,664,520) (2,146,517)
TOTAL REVENUE	(13,489,750)	(10,238,922)	(22,189,570)	(2,836,373)	(1,937,389)	(26,963,332)	(22,474,586)	(22,505,807)	(23,915,671)	(24,462,744)
TIPPING FEE (based on inflation)	(26,491,000)	(28,145,670)	(28,007,000)	(202,000)	-	(28,209,000)	(27,389,001)	(26,468,501)	(25,848,000)	(26,077,500)
PROJECTED TONNAGE (General Refuse)	160,000	165,516	155,000			155,000	145,000	135,000	125,000	125,000
*Percentage Increase over prior year		6.2%	5.7%	0.8%	0.0%	6.5%	-2.9%	-3.4%	-2.3%	0.9%
AUTHORIZED POSITIONS: On-going Term	28.70 1.00	28.70 1.00	34.20 1.00			34.20 1.00	34.70 1.00	34.70	34.70	34.70

Change in Budget 2024 to 2025 Service: 1.521 & 1.525 ERM Total Expenditure Comments 2024 Budget 39,980,750 Change in Salaries: Base salary and benefit change 81,744 Inclusive of estimated collective agreement changes Step increase/paygrade change (203,889)Other (explain as necessary) (8,000)3.0 FTE Environmental Analyst & Attendant 304,011 2025 IBC 3a-1.3 Hartland 2100 2.0 FTE Managers 419,062 2025 IBC 1b-4.2 Innovative Projects Work Unit 2025 Reduction in auxiliary wages (100,000)Total Change in Salaries 492,928 Other Changes: Trf to Capital Reserve Fund 2,683,620 To fund 2025 Capital Plan requirements Contract for Services Additional costs related to processing of materials contract (2024 IBC 3a-1.1 -Waste Diversion 1,220,000 Additional costs related to kitchen scraps contract 329,200 255,000 Additional costs related to curbside collection contract To provide the waste flow management consultant support (2025 IBC 3a-1.3 213,750 -RNG Project 1,417,390 To fund for Annual O&M contract for the RNG Project To reflect the anticipated costs related to heavy equipment services and landfilling -Landfilling 1,700,000 of standard refuse and controlled waste Program Development 1,725,000 To fund for the Material Stream Diversion - Hauler incentive 1,000,000 To fund for Solid Waste Management Plan - implement new programming **Electricity Costs** 972,598 To fund for the electricity cost for the RNG Project Standard Overhead Allocation 1,644,428 Increase in 2024 operating costs Bylaw Allocation 86,778 2025 IBC 3a-1.3 Hartland 2100 Human Resources Allocation 25,987 Increase in 2024 salary budget; corporate safety resourcing Insurance costs 16,850 Recognize growing insurance premiums **Building Occupancy** 13,867 Debt Expenditures 796.512 To fund 2025 Capital Plan requirements Trf to Operating Reserve Fund 655.136 To mitigate fluctuations in tipping fee revenue Other Costs 144.537 Total Other Changes 14,900,653 55,374,331 2025 Budget Summary of % Expense Increase 2025 Base salary and benefit change 0.2% 2025 IBC Expense 5.6% Waste Diversion 11.3% RNG Project 6.0% Capital Transfers 6.7% Landfilling 4.3%

#### Overall 2024 Budget Performance

(expected variance to budget and surplus treatment)

Standard Overhead Allocation

% expense increase from 2024:

% Requisition increase from 2024 (if applicable):

Balance of increase

'Overall Solid Waste Tipping Revenue for 2024 is forecasted to be higher than budget by \$1.6 million. Tipping fee revenues higher due to an increased quantity of solid waste being received. Recycling revenue for scrap metal (price fluctuates with the global commodity markets) is also higher than budgeted. Landfill Operations/Diversion Services/Energy Recovery services expenses are forecasted to be lower than budget for 2024 by \$2.8 million. The estimated surplus will be transferred for the Capital Reserve Fund.

Requisition funding is (x)% of service revenue

4.1%

0.3%

%

### CAPITAL REGIONAL DISTRICT FIVE YEAR CAPITAL EXPENDITURE PLAN SUMMARY - 2024 to 2029

Service No.	1.521 Environmental Resource Management	Carry Forward from 2024	2025	2026	2027	2028	2029	TOTAL
	EXPENDITURE							
	EXPENDITORE							
	Buildings	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Equipment	\$0	\$455,000	\$385,000	\$385,000	\$385,000	\$385,000	\$1,995,000
	Land	\$0	\$0	\$1,000,000	\$0	\$0	\$0	\$1,000,000
	Engineered Structures	\$3,100,000	\$15,306,000	\$11,125,000	\$6,600,000	\$2,350,000	\$1,600,000	\$36,981,000
	Vehicles	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	=	\$3,100,000	\$15,761,000	\$12,510,000	\$6,985,000	\$2,735,000	\$1,985,000	\$39,976,000
	SOURCE OF FUNDS							
	Capital Funds on Hand	\$500,000	\$1,406,000	\$125,000	\$0	\$0	\$0	\$1,531,000
	Debenture Debt (New Debt Only)	\$1,500,000	\$8,650,000	\$2,350,000	\$0	\$350,000	\$0	\$11,350,000
	Equipment Replacement Fund	\$250,000	\$455,000	\$385,000	\$385,000	\$635,000	\$385,000	\$2,245,000
	Grants (Federal, Provincial)	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Donations / Third Party Funding	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Reserve Fund	\$850,000	\$5,250,000	\$9,650,000	\$6,600,000	\$1,750,000	\$1,600,000	\$24,850,000
	_	\$3,100,000	\$15,761,000	\$12,510,000	\$6,985,000	\$2,735,000	\$1,985,000	\$39,976,000

#### **CAPITAL REGIONAL DISTRICT**

#### **5 YEAR CAPITAL PLAN**

2024 - 2028

Service #:	1.521
Service Name:	Environmental Resource Management

				PROJECT BUDGET & SCHEDULE												
Project Number	Capital Expenditure Type	Capital Project Title	Capital Project Description	Total Project Budget	Asset Class	Funding Source	Carryforward from 2024	2025	2020		2027	2028	2029	5 - Year Total		
16-06	Renewal	Replacing of Small Equipments	Replacing of Small Equipments	\$ 1,430,00	00 E	ERF		\$ 240,00	\$ 27	0,000	\$ 270,000 \$	270,000	\$ 270,000	\$ 1,320,000		
17-01	Renewal	Gas & Leachate Collection Pipe Extension	Gas & Leachate Collection Pipe Extension	\$ 2,550,00	00 S	Res		\$ 650,00	\$ 50	0,000	\$ 550,000 \$	550,000	\$ 550,000	\$ 2,800,000		
17-02	Renewal	Aggregate Production for Internal Use	Aggregate Production for Internal Use	\$ 15,485,00	10 S	Res		\$ 850,00	\$ 85	0,000	\$ 850,000 \$	850,000	\$ 850,000	\$ 4,250,000		
17-02	Renewal	Aggregate Production for Internal Use	Aggregate Production for Internal Use	\$	- S	Сар								s -		
17-04	Renewal	Progressive Closure of External Faces	Progressive Closure of External Faces	\$ 10,000,00	10 S	Res		\$ -	\$ 6,00	0,000	\$ 4,000,000			\$ 10,000,000		
17-07	Renewal	Computer Equipment	Computer Equipment	\$ 71,00	00E	ERF		\$ 15,00	\$ 1	5,000	\$ 15,000 \$	15,000	\$ 15,000	\$ 75,000		
17-09	Renewal	Vehicle Replacements	Vehicle Replacements	\$ 500,00	00 E	ERF		\$ 200,00	\$ 10	0,000	\$ 100,000 \$	100,000	\$ 100,000	\$ 600,000		
17-12	Renewal	Hartland Environmental Performance Model	Hartland Environmental Performance Model	\$ 225,00	00 S	Сар		\$ -			s - s	-		\$ -		
17-14	New	Landfill Gas Utilization	Landfill Gas Utilization	\$ 7,213,00	00 S	Debt								\$ -		
17-14	New	Landfill Gas Utilization	Landfill Gas Utilization	\$	- S	Сар								s -		
17-14	New	Landfill Gas Utilization	Landfill Gas Utilization	\$ 23,718,00	10 S	Res								\$ -		
18-01	New	Interim Covers	Interim Covers - West and North Slopes	\$ 1,000,00	00 S	Res					\$ 200,000 \$	200,000	\$ 200,000	\$ 600,000		
22-01	Renewal	Sedimentation Pond Relining	NW Sedimentation Pond Relining & Expansion	\$ 1,000,00	00 S	Res			\$ 1,00	0,000				\$ 1,000,000		
22-07	Study	Recycling Area Upgrades	Recycling Area Upgrades	\$ 225,00	00 S	Res								\$ -		
22-10	New	Storm Water Sedimentation pond Emergency Repairs	Storm Water Sedimentation pond Emergency Repairs	\$ 250,00	00 E	Res								\$ -		
23-02	New	Contractor Workshop Relocation	Contractor Workshop Relocation	\$ 1,250,00	00 S	Res	650,000	\$ 650,00	)					\$ 650,000		
23-02	New	Contractor Workshop Relocation	Contractor Workshop Relocation	\$	- S	Сар	500,000	\$ 500,00	)					\$ 500,000		
23-04	New	North End Commercial Access Improvements	North End Commercial Access Improvements	\$ 700,00	00 S	Res								\$ -		
23-05	New	Existing Manual and Commercial Scale Upgrades	Existing Manual and Commercial Scale Upgrades	\$ 250,00	00 S	ERF	250,000				s	250,000		\$ 250,000		
24-01	New	Cell 5&6 GRW	Cell 5&6 Gravity Retaining Wall Construction	\$ 2,000,00	00 S	Debt	750,000	\$ 750,00	\$ 1,25	0,000				\$ 2,000,000		
24-02	Study	Hartland North Master Plan	Hartland North Master Plan	\$ 150,00	00 S	Res					s	150,000		\$ 150,000		
24-05	New	Cell 5 Liner Construction	Cell 5 Liner Construction	\$ 7,900,00	00 S	Debt		\$ 4,900,00	)					\$ 4,900,000		
24-06	New	Cell 1, 2 & 3 Transition Liner	Cell 1, 2 & 3 Transition Liner	\$ 4,000,00	00 S	Debt		\$ 2,000,00	)					\$ 2,000,000		
24-07	New	Relocation of N. Toe Road Sedimentation Pond	Relocation of N. Toe Road Sedimentation Pond	\$ 500,00	00 S	Debt			\$ 50	0,000				\$ 500,000		
25-01	New	NE & NW Aggregate Stockpile cover	NE & NW Aggregate Stockpile cover	\$ 750,00	00 S	Debt	750,000	\$ 750,0	10					\$ 750,000		
25-02	Renewal	North End Wheel Wash	North End Wheel Wash	\$ 800,00	00 S	Res	200,000	\$ 400,00	)					\$ 400,000		
25-03	New	Landfill Gas capture to meet New Federal Regs	Landfill Gas capture to meet New Federal Regs	\$ 250,00	00 S	Res		\$ 100,00	\$ 15	0,000				\$ 250,000		
25-04	New	Hartland Operating Certificate Renewal	Hartland Operating Certificate Renewal	\$ 100,00	00 S	Res		\$ 100,00	)					\$ 100,000		
25-05	New	Hartland Leachate Pipe Mods for Pigging	Hartland Leachate Pipe Mods for Pigging	\$ 150,00	00 S	Res			\$ 15	0,000				\$ 150,000		
25-06	New	Quarry Wall liner	Quarry Wall liner	\$ 250,00	00 S	Res		\$ 250,00	)					\$ 250,000		
25-07	New	Cell 4, 5A & 5B Construction Field QA/QC	Cell 4, 5A & 5B Construction Field QA/QC	\$ 500,00	00 S	Debt		\$ 250,00	\$ 25	0,000				\$ 500,000		
25-08	New	RNG Optimization Projects	RNG Optimization Projects	\$ 831,00	00 S	Сар		\$ 831,00	)					\$ 831,000		
25-08	New	RNG Optimization Projects	RNG Optimization Projects	\$ 1,000,00	00 S	Res		\$ 1,000,00	)					\$ 1,000,000		
25-09	New	Hartland North - Willis P Driveway Upgrades	Hartland North - Willis P Driveway Upgrades	\$ 500,00	00 S	Res		\$ 500,00	)					\$ 500,000		

Service #:	1.521
Service Name:	Environmental Resource Management

								PR	ROJECT BUDG	ET & SCHEDULI	E		
Project Number	Capital Expenditure Type	Capital Project Title	Capital Project Description	Total Project Budget	Asset Clas	Funding Source	Carryforward from 2024	2025	2026	2027	2028	2029	5 - Year Total
25-10	New	Hartland North Electrical	Hartland North Electrical	\$ 750,	000 S	Res		\$ 750,000					\$ 750,000
25-11		Hartland Environmental Montoring and Containment Projects	Hartland Environmental Montoring and Containment Projects	\$ 75,	000S	Сар		\$ 75,000					\$ 75,000
26-01	New	Cell 4& 5 Bottom Lift Gas Wells / Leachate Drain	Cell 4 Bottom Lift Gas Wells / Leachate Drain	\$ 700,	000S	Debt			\$ 350,000		\$ 350,000		\$ 700,000
26-02	New	Hartland 5 year DOCP update	Hartland 5 year DOCP update	\$ 125,	000S	Сар			\$ 125,000				\$ 125,000
26-03	New	ERM Land Acquisition	ERM Land Acquisition	\$ 1,000,	000 L	Res			\$ 1,000,000				\$ 1,000,000
26-04	New	RTF Biogas Tie-In to RNG	RTF Biogas Tie-In to RNG	\$ 1,000,	000 S	Res				\$ 1,000,000			\$ 1,000,000
													\$ -
			GRAND TOTAL	\$ 89,198,	100		\$ 3,100,000	\$ 15,761,000	\$ 12,510,000	\$ 6,985,000	\$ 2,735,000	\$ 1,985,000	\$ 39,976,000

Service:	1.521	Environmental Resource Manageme	nt		
Project Number	16-06	Capital Project Title	Replacing of Small Equipments	Capital Project Description	Replacing of Small Equipments
Project Rationale	Replacement of small equipments tha	at have reached their end of life			
Project Number	17-01	Capital Project Title	Gas & Leachate Collection Pipe Extension	Capital Project Description	Gas & Leachate Collection Pipe Extension
Project Rationale	valves, condensation traps, monitorin	ng points, and piping has to be installed to ea		is then conveyed to the gas plant, and	r system to collect methane gas. Well heads, the leachate is conveyed to the lined storage e design/headers.
Project Number	17-02	Capital Project Title	Aggregate Production for Internal Use	Capital Project Description	Aggregate Production for Internal Use
Project Rationale		interception of shallow groundwater inflow	provides the CRD with a number of benefits vs, cost and space savings by not having to im		
Project Number	17-04	Capital Project Title	Progressive Closure of External Faces	Capital Project Description	Progressive Closure of External Faces
Project Rationale	closure system consists of a clay or sy	nthetic cover placed over a gravel drainage	I Solid Waste, completed landfill areas and sl layer This progressive closure system stays in of the areas that will not be filled against go	n place until economies of scale makes	ve closure system on an annual basis. The it cost effective to proceed with installation

Service:	1.521	Environmental Resource Manageme	nt		
Project Number	17-07	Capital Project Title	Computer Equipment	Capital Project Description	Computer Equipment
Project Rationale	Replacement of computer equipment	due to end of life cycle			
Project Number	17-09	Capital Project Title	Vehicle Replacements	Capital Project Description	Vehicle Replacements
Project Rationale	Replacement of vehicle due to end of	life cycle			
Project Number	17-12		Hartland Environmental Performance Model	Capital Project Description	Hartland Environmental Performance Model
Project Rationale	Landfill Criteria. Many of Hartland's o	site-specific computer model that integrates design and operations are already compliant, trate technical justification and environmen	, however a preliminary review identified ad	ditional conformance requirements for	2016 the BC MOE made revisions to the BC or Hartland under the status quo. The model
Project Number	17-14	Capital Project Title	Landfill Gas Utilization	Capital Project Description	Landfill Gas Utilization
Project Rationale	destructed by burning. ERM and EE h CRD. The projected gas revenues from	s fuel to power a generator system to genera ave initiated a project to process the landfill n Fortis is significantly higher than the currer f the project proved to be feasible the detail	gas to a higher quality could be utilized as not arrangement with BC Hydro. This project	atural gas. Fortis BC is interested to p is to carry out the feasibility study, pre	

Service:	1.521	Environmental Resource Management			
Project Number	18-01	In Capital Project Title	terim Covers	Capital Project Description	Interim Covers - West and North Slopes
Project Rationale	_	ment Plan, once an active landfilling cell is com e leachate collection system and overwhelmin			
Project Number	22-01	Capital Project Title Se	dimentation Pond Relining	Capital Project Description	NW Sedimentation Pond Relining & Expansion
Project Rationale	requirements for retaining 24 hrs of p	grating off site into the north freshwater drain preciptiation from a 100 year storm event. Fina ontained and diverted from fresh water course	lly, the sedimentation pond requires inlet		
Project Number	22-07	Re Capital Project Title	ecycling Area Upgrades	Capital Project Description	Recycling Area Upgrades
Project Rationale	The project has been set up to condu safety considerations such as protect	ct a design review of the existing recyling area ion from the sun during hot weather.	at Hartland and investigate changes relation	ng to efficent accessibility due to grow	ing public interest in the depot and to include
Project Number	22-10	Capital Project Title Er	orm Water Sedimentation pond nergency Repairs	Capital Project Description	Storm Water Sedimentation pond Emergency Repairs
Project Rationale		nto the fresh water sedimentation pond. This p to ensure containment of any contaminants. T s.	• • • • • • • • • • • • • • • • • • • •		
Project Number	23-02	Capital Project Title	ontractor Workshop Relocation	Capital Project Description	Contractor Workshop Relocation
Project Rationale	•	located in the future Cell 5 of the landfill and m mical) in a new location adjacent to future cell:		·	• •

Service:	1.521	Environmental Resource Manageme	nt		
<del></del>					
Project Number	23-04	Capital Project Title	North End Commercial Access Improvements	Capital Project Description	North End Commercial Access Improvements
•			Scales are equipped for fully automated com card readers/scanners, RFID systems, scale s		
Project Number	23-05	Capital Project Title	Existing Manual and Commercial Scale Upgrades	Capital Project Description	Existing Manual and Commercial Scale Upgrades
·	safety hazards to trucks and employe	· · · · · · · · · · · · · · · · · · ·			concrete with Rebar to eliminate further ounts for all work that needs to be done after
Project Number	24-01	Capital Project Title	Cell 5&6 GRW	Capital Project Description	Cell 5&6 Gravity Retaining Wall Construction
·	installation of a critical sub-grade land	dfill leachate containment system (grout wa	rm north of cell 1&2 at 5 corners intersectio Il/curtain) and raising the clay containment t Leachate, Water, electrical etc) that current	perm from 130mAsI to 135mASL to ens	ure leachate capture from future landfill cells
Project Number	24-02	Capital Project Title	Hartland North Master Plan	Capital Project Description	Hartland North Master Plan
	With the recent completion of the ne with the existing landfill site	w Residuals Treatment Facilty and associate	d access and new scales at Hartland North, t	this design project will ensure that ther	e is adequate future planning and integration
1					
Project Number	24-05	Capital Project Title	Cell 5 Liner Construction	Capital Project Description	Cell 5 Liner Construction
	<u> </u>		vithin the new Cell 5 area and prevent any of collection and processing. Improvements	_	de an underdrain which will relieve pore ccess road and related infrastructure to allow
r					
Project Number	24-06	Capital Project Title	Cell 1, 2 & 3 Transition Liner	Capital Project Description	Cell 1, 2 & 3 Transition Liner
	transition between old cells of the lar		Cells 1 & 2 from garbage placed ontop of it f an underdrain which will relieve pore press		

Service: 1.521 **Environmental Resource Management** Project Number 24-07 Capital Project Title Relocation of N. Toe Road Sedimentation Pond Relocation of N. Toe Road Sedimentation Capital Project Description Pond Project Rationale The North Toe Road fresh water sedimentation collection pond sits ontop of Cell 1 garbage. The future Gravity Retaining Wall will be constructed ontop of the pond so it must be relocated. Capital Project Title NE & NW Aggregate Stockpile cover Capital Project Description NE & NW Aggregate Stockpile cover Project Number 25-01 Project Rationale This project allows for mitigation measures needed to protect the environment from minerals that may runoff the stockoiles from precipitation. Mitigation includes the deployement of a temporary impermeable membranes overtop the NE and NW, installation of ground/surface monitoring wells, improvement projects intended to intercept and convey impacted ground/surface water to leachate disposal collectors, including any consultant work required to design/direct staff on the mitigation measures. Capital Project Title North End Wheel Wash Capital Project Description North End Wheel Wash Project Number 25-02 Project Rationale This project accounts for a new commercial truck wheel wash system to be installed on the North End to ensure trucks don't track mud onto Willis Point Road. Project includes a temporary wheel wash needed until the final Cell 5 access roads are ready to be utilized. 25-03 Landfill Gas capture to meet New Federal Landfill Gas capture to meet New Federal Project Number Capital Project Title Regs Capital Project Description Regs Project Rationale Environment & Climate Change Canada has released a proposed Landfill Methane Regulation that is expected to come into force in Q1/Q2 of 2024, with the intent of reducing fugitive landfill emissions across the country. The regulation sets thresholds for surface emissions at landfills emitting more than 10,000 tonnes of CO2e per year (Hartland exceeds this). Based on required monitoring events, any surface methane concentrations that exceed proposed levels require a corrective action plan and mitigation within a specified timeframe. Based on current surface emissions data, it is expected that Hartland will need to implement additional controls, improve gas collection, or repair infrastructure to reduce surface methane concentrations to achieve compliance with these proposed limits. 25-04 Hartland Operating Certificate Renewal Hartland Operating Certificate Renewal **Project Number Capital Project Title Capital Project Description** Project Rationale Hartland's Operating Certificate (OC) has not been modified since January 27, 2010. CRD has committed to updating its OC in light of recent MOE diuscussion and approval of ERM's SWMP. This project covers staff time and consultant/legal fees to assist the CRD in updating the OC with the MOE. 25-05 Hartland Leachate Pipe Mods for Pigging Hartland Leachate Pipe Mods for Pigging Project Number **Capital Project Title Capital Project Description** 

Project Rationale Leachate design, materials and installation to modify the leachate piping between HB-15 and the new RTF Centrate Line to reinstate pigging of the section of pipe between HB-15 and the Centrate return line).

Service:	1.521	Environmental Resource Manageme	nt		
Project Number	25-06	Capital Project Title	Quarry Wall liner	Capital Project Description	Quarry Wall liner
·	•	installed due to accessibility during construct ucted when waste filling has reached the ele			ench and the existing liner in Cell 4 in toutle the supply, installation, QA/QC needed to install
Project Number	25-07	Capital Project Title	Cell 4, 5A & 5B Construction Field QA/QC	Capital Project Description	Cell 4, 5A & 5B Construction Field QA/QC
·	ensure the construction is installer pe	ture construction will occur over multiple ye er the design. The original design budget con a number of years which stretches the QA/C	ntemplated a 1 year installation of all capital	l improvements for Cell 4, 5 & 6 projec	
<b>-</b>					
Project Number	25-08	Capital Project Title	RNG Optimization Projects	Capital Project Description	RNG Optimization Projects
Project Rationale	· •	ost and scope that were not originally conten with the new facility and other improvemen			e i
Project Number	25-09	Capital Project Title	Hartland North - Willis P Driveway Upgrades	Capital Project Description	Hartland North - Willis P Driveway Upgrades
·	leaving the facility at the same time.	nstruction work to ensure there is sufficient Improvements include driveway widening, p any other improvements needed to ensure t	aving, realignment of fencing/gates, culvert	extensions, lighting, signage, Overhead	
Project Number	25-10	Capital Project Title	Hartland North Electrical	Capital Project Description	Hartland North Electrical
•	wash, kitchen scrap transfer station, electrical design and construction to	e Building at Hartland North is fed from a ter thermal pilot plant etc. There is no formal ag service the power requirements needed for I generator to ensure business continuity for the	reement or capacity for the RTF to provide Hartland North (aformentioned projects), in	power for the growing power demand cluding power poles/lines, transformer	

Service:	1.521	Environmental Resource Manageme	nt		
Project Number	25-11	Capital Project Title	Hartland Environmental Montoring and Containment Projects	Capital Project Description	Hartland Environmental Montoring and Containment Projects
Project Rationale	·	•	ew of current and future environmental convivironmental monitoring program at the Har		
Project Number	26-01	Capital Project Title	Cell 4& 5 Bottom Lift Gas Wells / Leachate Drain	Capital Project Description	Cell 4& 5 Bottom Lift Gas Wells / Leachate Drain
Project Rationale	heads, valves, condensation traps, mo		s are installed in each lift of refuse and have ed to each combination gas well and leachate		,
Project Number	26-02	Capital Project Title	Hartland 5 year DOCP update	Capital Project Description	Hartland 5 year DOCP update
Project Rationale			quires adherance to the BC Landfilling criteri ay 2027. The project includes the procurem		
Project Number	26-03	Capital Project Title	ERM Land Acquisition	Capital Project Description	ERM Land Acquisition
Project Rationale		cycling and diversion opportunities for the recilities for future diversion, recycling or wast	egion requires the acquisition of land/facilitie e management requirements of the region.	es to accommodate the growing needs	of the region. This project includes those
Project Number	26-04	Capital Project Title	RTF Biogas Tie-In to RNG	Capital Project Description	RTF Biogas Tie-In to RNG
Project Rationale	and contributes to the CRD's carbon f	ootprint. There is opportunity to divert the		Renewal Natural Gas plant for to puri	ains an excess of biogas that is currently flared fy the gas and sell it to Fortis over its 20 year
<del></del>					

#### 1.521 Environmental Resource Management Capital Reserve Fund Schedule - ERM 2025 - 2029 Financial Plan

#### **Capital Reserve Fund Schedule - ERM**

#### Capital Reserve Fund ERM - Landfill Closure Portion, Capital Reserve Portion, and Recycling Depots Portion

#### **Capital Reserve Fund Schedule**

Bylaw 2164 established a Solid Waste Refuse Disposal Reserve Fund for the ERM Service (was called Solid Waste Service). There are three portions in the Reserve Fund: Landfill Closure, restricted funds to cover the liability of closing Phase 2 - 3 and post-closure maintenance. Capital Reserve is working capital and not restricted.

Landfill Closure Portion	Estimate			Budget		
Fund: 1020 Fund Centre: 101363	2024	2025	2026	2027	2028	2029
Beginning Balance	13,670,125	14,227,150	14,691,373	9,164,880	5,647,857	6,140,493
Planned Capital Expenditure (Based on Capital Plan)	-		(6,000,000)	(4,000,000)		
Transfer to/from Ops Budget	455,120	464,222	473,507	482,977	492,637	502,489
Interest Income*	101,905	-	-	-	-	-
Ending Balance \$	14,227,150	14,691,373	9,164,880	5,647,857	6,140,493	6,642,982

#### Assumptions/Background:

Liability reserve to fund closure of Phase 2-3 and post closure maintenance.

<sup>\*</sup> Interest should be included in determining the estimated ending balance for the current year. Interest in planning years nets against inflation which is not included.

#### **Capital Reserve Fund Schedule**

Capital Reserve Portion	Estimate			Budget		
Fund: 1020 Fund Centre: 101364	2024	2025	2026	2027	2028	2029
Beginning Balance	12,211,415	9,267,416	8,797,406	5,617,406	3,487,406	2,207,406
Planned Capital Expenditure (Based on Capital Plan)	(5,750,000)	(4,250,000)	(3,650,000)	(2,600,000)	(1,750,000)	(1,600,000)
Transfer to/from Ops Budget	2,450,950	3,779,990	470,000	470,000	470,000	470,000
Interest Income*	355,051	-	-	-	-	-
Ending Balance \$	9,267,416	8,797,406	5,617,406	3,487,406	2,207,406	1,077,406

Assumptions/Background:

<sup>\*</sup> Interest should be included in determining the estimated ending balance for the current year. Interest in planning years nets against inflation which is not included.

#### **Capital Reserve Fund Schedule**

Recycling Depots/Compost Center Reserve Portion	Estimate			Budget		
Fund: 1020 Fund Centre: 102102	2024	2025	2026	2027	2028	2029
Beginning Balance	15,918	19,918	23,918	27,918	31,918	35,918
Planned Capital Expenditure		-	-	-	-	-
Transfer to/from Ops Budget	4,000	4,000	4,000	4,000	4,000	4,000
Ending Balance \$	19,918	23,918	27,918	31,918	35,918	39,918

#### Assumptions/Background:

Reimburse operating budget for capital expenditures spent by Compost Center.

#### 1.521 Environmental Resource Management Operating Reserve Summary 2025 - 2029 Financial Plan

#### Profile

#### **Enviromental Resource Management**

Bylaw 3867 - established Operating Reserve for the ERM Service to be used by the service for: mitigating fluctuations in tipping fee revenue and for covering operational expenditures as required, including debt servicing.

#### **Operating Reserve Schedule**

Operating Reserve Schedule	Estimate			Budget		
Fund: 1500 Fund Center 105509	2024	2025	2026	2027	2028	2029
Beginning Balance	22,707,937	8,669,820	8,893,860	8,799,295	7,242,080	5,095,563
Planned Purchase - RNG project	(12,381,000)	(1,000,000)				
Planned Capital Expenditure (Based on Capital Plan)	(3,500,000)					
Transfer to/from Ops Budget	1,011,772	1,224,040	(94,565)	(1,557,215)	(2,146,517)	-
Interest Income*	831,111			-	-	-
Total projected year end balance	8,669,820	8,893,860	8,799,295	7,242,080	5,095,563	5,095,563

#### Assumptions/Background:

Reserve for rate stabilization

<sup>\*</sup> Interest should be included in determining the estimated ending balance for the current year. Interest in planning years nets against inflation which is not included.

#### 1.521 Enviromental Resource Management ERF Reserve Fund Schedule 2025 - 2029 Financial Plan

#### **ERF Reserve Fund Schedule**

**ERF:** ERM ERF or PERS Fund for Equipment

Equipment Replacement Fund	Estimate	Budget				
Fund: 1022 Fund Centre: 101447	2024	2025	2026	2027	2028	2029
Beginning Balance	2,285,782	2,115,744	1,864,744	1,683,744	1,502,744	1,071,744
Planned Purchase (Based on Capital Plan)	(285,166)	(455,000)	(385,000)	(385,000)	(635,000)	(385,000)
Transfer to/from Ops Budget	115,128	204,000	204,000	204,000	204,000	204,000
Interest Income*		-	-	-	-	-
Ending Balance \$	2,115,744	1,864,744	1,683,744	1,502,744	1,071,744	890,744

#### Assumptions/Background:

ERF Reserve to fund replacement of computer equipment and for PERS (Prority Equipment Replacement) type equipment that lasts less than 15 years

<sup>\*</sup> Interest should be included in determining the estimated ending balance for the current year. Interest in planning years nets against inflation which is not included.

# Environmental Resource Management 2025 Operating and Capital Budget

Presentation

Environmental Services Committee September 25, 2024



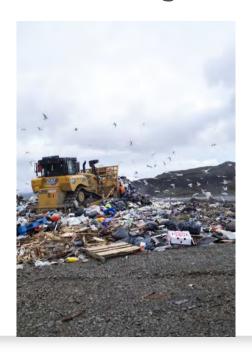
# Environmental Resource Management Service Areas



Waste Diversion



Landfilling



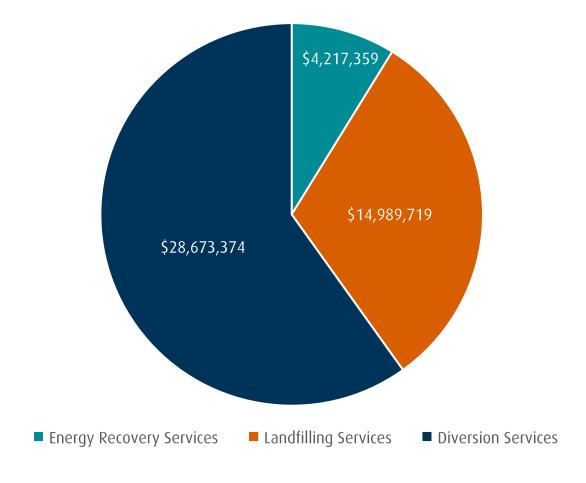
Energy Recovery





# 2025 Operating Budget Expenses \$47,880,452







## Environmental Resource Management Service Areas



2025 Operating Budget

# Waste Diversion (\$28.6 million)

- Solid Waste Planning \$1.7 million
- Community Support Programs \$1.4 million
- Hartland Diversion Programs \$12.8 million
- Curbside Recycling \$11.7 million
- Electoral Area Recycling \$1.2 million

# Landfilling (\$15 million)

- Heavy Equipment Contract \$5.3 million
- CRD Enviro Programs \$1 million
- CRD Engineering \$700 K
- Corp Allocation \$3 million
- Solid Waste Admin \$1.1 million
- Education \$500 K
- Leachate \$1 million

## Energy Recovery (\$4.2 million)

- Contract for Services \$1.4 million
- Electricity \$1 million
- Environmental Resource
   Management Overhead \$1.5 million
- CRD Enviro \$100 K



## 2025 Operating Budget Expenses - \$47.9 million

- \$11.2 million (31%) increase over 2024 Operating Budget



- Waste Diversion increased \$6 million
- Landfilling increased \$2.6 million
- Energy Recovery increased \$2.7 million



# 2024/2025 Operating Budget – Significant Changes

### Waste Diversion (+\$6 million)

- Material Stream Diversion expenses (\$2.7 million)
- Solid Waste Management Plan increase in programming (\$700,000)
- New Curbside Blue Box 2024 contract (\$2.4 million)
- Healthy Waters Tod Creek sampling (\$200,000)







# 2024/2025 Operating Budget - Significant Changes



## Landfilling (+\$2.6 million)

- Heavy equipment contract increase volume / operating costs (\$1.5 million)
- Corporate overhead (\$1 million)

### Energy Recovery Services (+\$2.7 million)

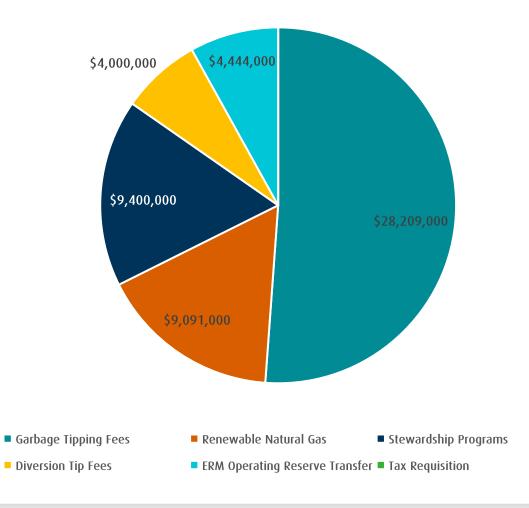
- HRRG Operating Contract (\$1.4 million)
- Renewable Natural Gas Plant Electricity (\$1 million)





# 2025 Operating Budget Revenues \$55 million









## 2024/2025 Operating Budget Revenues

+\$15.5 million - before reserve transfers (\$3.4 million) and debt (\$.08 million) increases



## Waste Diversion (+\$2.75 million)

• Blue box revenue increase from Recycle BC (\$2.75 million)

## Landfilling (+\$4.25 million)

Revenue from Material Stream Diversion policy changes

## Energy Recovery (+\$8.5 million)

Revenue from new Renewable Natural Gas facility, Q1 start-up



# 2025 – Capital Budget \$15.7million



# Ongoing capital (\$4.23 million)

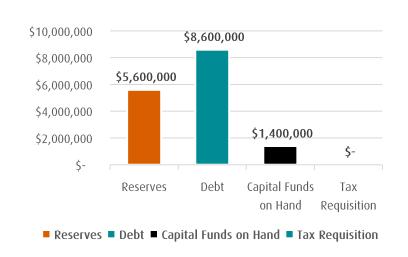
 Aggregate production, progressive closure, electrical, Operating Certificate

# Preparing Cells 4, 5, 6 (\$9.7 million)

• Design / install new liner, truck wheel wash, relocate shop...

# Renewable Natural Gas (\$1.83 million)

 Completion of Renewable Natural Gas capital project

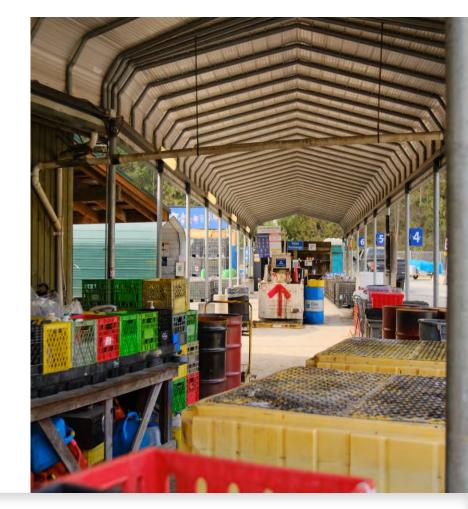








- 2024/25 Operating expenses +\$11.2 million
- 2024/25 ERM Revenues +\$15.5 million
- 2025 Capital Budget (\$15.7 million)
- 2025 Capital Funding with ERM Reserves and Debt
- No tax requisition required to fund ERM budget

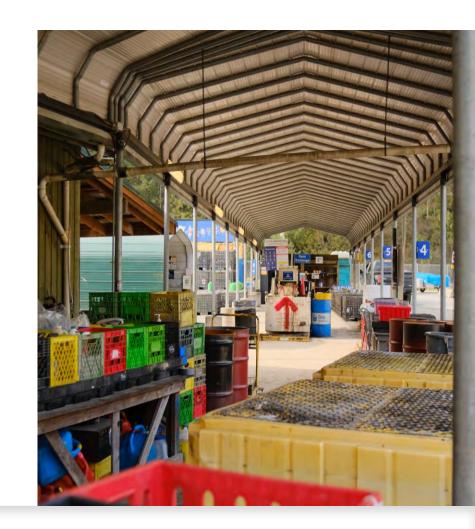




## 2025 Environmental Resource Management Rethink Funding Summary – new FTEs



- 4.5 new FTEs funded by ERM (2025)
  - 1.0 Landfill Attendant (term to FTE)
  - 1.0 Landfill Maintenance Worker
  - 1.0 Solid Waste Analyst
  - 0.5 Bylaw Administration (Planning & Protective Services)
  - 1.0 Manager, Innovative Projects (new CRD work unit)







# Thank you

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Capital Regional District





