

CAPITAL REGIONAL DISTRICT

2026 BUDGET

Environmental Resource Management

ENVIRONMENTAL SERVICES COMMITTEE REVIEW

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
Borrowed:	SI Bylaw 3547	(2,000,000)
	SI Bylaw 3677	(2,500,000)
	SI Bylaw 3769	(2,200,000)
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Remaining:	Expired May 14, 2013	<u><u>\$5,570,000</u></u>

Total debt outstanding (LA3518) at Dec 31, 2025 \$188,501

Final debt payments (LA3518) in 2026.

Authorized:	LA Bylaw 4515	36,000,000
Borrowed:	SI Bylaw 4562	(7,450,000)
	SI Bylaw 4597	(4,300,000)
	SI Bylaw 4621	(5,500,000)
	SI Bylaw 4659	(4,900,000)
	SI Bylaw	(3,500,000)
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Remaining:		<u><u>\$10,350,000</u></u>

Total debt outstanding (LA4515) at Dec 31, 2025 \$24,359,696

Final debt payments (LA4515) in 2040

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).

Change in Budget 2025 to 2026
Service: 1.521 & 1.525 ERM

Total Expenditure

Comments

2025 Budget 54,219,524

Change in Wages & Benefits:

Base wages & benefits change	127,669	Inclusive of estimated collective agreement changes
Step increase/paygrade change	-	
Other (explain as necessary)	-	
1.0 FTE Senior Manager Energy Recovery	(239,812)	Position relocated to service 1.574 Environmental Innovation
1.0 FTE Manager Energy Recovery	(179,250)	Position relocated to service 1.574 Environmental Innovation
Reduction of 1 FTE Communications Liaison	(110,544)	CRD Evolves Transition: Position relocated to service 1.128 Corporate Communications & Engagement
Total Change in Wages & Benefits	(401,937)	

Other Changes:

Trf to Capital Reserve Fund	(3,779,520)	Decrease in Transfer to Capital Reserve Fund due to lower revenue and cost adjustments
Program Development	(1,264,378)	Decrease in waste diversion program development cost due to lower revenue and cost adjustments
Contract for Services	1,097,512	Increase in RNG project contract
Standard Overhead Allocation	1,794,578	Increase in 2025 operating costs
Human Resources Allocation	21,984	Increase in 2025 wages & benefits
Bylaw Allocation	158,172	2025 IBC 3a-1.3 Hartland 2100
Software Licences	52,000	Increase in licence fees
Communications & Engagement Allocation	265,744	CRD Evolves: Communication & Engagement support
Electricity Costs	559,220	Increase in the electricity cost for the RNG Project
Debt Expenditures	528,612	To fund 2026 Capital Plan requirements
Landfill Gas Program	(103,000)	To relocate Landfill Gas Program cost to RNG contract
Other Costs	(189,079)	
Total Other Changes	(858,155)	

2026 Budget 52,959,432

Summary of % Expense Increase

2026 Base salary and benefit change	0.2%
Waste Diversion	-2.3%
RNG Project	2.9%
Standard Overhead Allocation	3.3%
Capital Transfers	-7.0%
Balance of increase	0.6%
% expense increase from 2025:	-2.3%

% Requisition increase from 2025 (if applicable):

%

Requisition funding is 0 % of service revenue

Overall 2025 Budget Performance

(expected variance to budget and surplus treatment)

Overall Solid Waste Tipping Revenue for 2025 is forecasted to lower than budget by \$0.8 million. RNG sales revenues lower due to the delayed completion time of the RNG plant. Landfill Operations/Diversion Services/Energy Recovery services expenses are forecasted to be lower than budget for 2025 by \$3.7 million. The estimated year-end transfer to the Capital Reserve Fund will be reduced from \$3.7M to \$2.6M.

CAPITAL REGIONAL DISTRICT
FIVE YEAR CAPITAL EXPENDITURE PLAN SUMMARY - 2026 to 2030

Service No.	1.521	Carry						
	Environmental Resource Manager	Forward	2026	2027	2028	2029	2030	TOTAL
		from 2025						

EXPENDITURE

Buildings	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Equipment	\$0	\$385,000	\$385,000	\$385,000	\$385,000	\$385,000	\$1,925,000
Land	\$0	\$0	\$1,000,000	\$0	\$0	\$0	\$1,000,000
Engineered Structures	\$4,750,000	\$16,905,000	\$9,680,000	\$5,680,000	\$1,855,000	\$2,980,000	\$37,100,000
Vehicles	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	\$4,750,000	\$17,290,000	\$11,065,000	\$6,065,000	\$2,240,000	\$3,365,000	\$40,025,000

SOURCE OF FUNDS

Capital Funds on Hand	\$4,150,000	\$4,850,000	\$0	\$0	\$75,000	\$850,000	\$5,775,000
Debenture Debt (New Debt Only)	\$0	\$7,330,000	\$1,680,000	\$530,000	\$1,780,000	\$2,130,000	\$13,450,000
Equipment Replacement Fund	\$0	\$535,000	\$535,000	\$785,000	\$385,000	\$385,000	\$2,625,000
Grants (Federal, Provincial)	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Donations / Third Party Funding	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Reserve Fund	\$600,000	\$4,575,000	\$8,850,000	\$4,750,000	\$0	\$0	\$18,175,000
	\$4,750,000	\$17,290,000	\$11,065,000	\$6,065,000	\$2,240,000	\$3,365,000	\$40,025,000

Definitions for the 5-year Capital Plan

Asset Class	<p>Asset class is used to classify assets for financial reporting in accordance with the Public Sector Accounting Board (PSAB) 3150.</p> <p>L - Land S - Engineering Structure B - Buildings V - Vehicles E - Equipment</p>
Capital Expenditure Type	<p>Capital expenditure type is used for reporting on asset investments and may be used to justify operational needs for a service.</p> <p>Study - Expenditure for feasibility and business case report. New - Expenditure for new asset only Renewal - Expenditure upgrades an existing asset and extends the service ability or enhances technology in delivering that service Replacement - Expenditure replaces an existing asset</p>
Carryforward	Represents the carryforward amount from the prior year capital plan that is remaining to be spent. Forecast this spending over the next 5 years.
Funding Source	<p>Debt - Debenture Debt (new debt only) ERF - Equipment Replacement Fund Grant - Grants (Federal, Provincial) Cap - Capital Funds on Hand Other - Donations / Third Party Funding Res - Reserve Fund WU - Water Utility</p> <p>If there is more than one funding source, additional rows are shown for the project.</p>

CAPITAL REGIONAL DISTRICT

5 YEAR CAPITAL PLAN

2026 - 2030

Service #: 1.521

Service Name: Environmental Resource Management

PROJECT DESCRIPTION				PROJECT BUDGET & SCHEDULE									
Project Number	Capital Expenditure Type	Capital Project Title	Capital Project Description	Total Project Budget	Asset Class	Funding Source	Carryforward from 2025	2,026	2027	2028	2029	2030	5 - Year Total
16-06	Renewal	Replacing of Small Equipments	Replacing of Small Equipments	\$ 1,430,000	E	ERF	\$ -	\$ 270,000	\$ 270,000	\$ 270,000	\$ 270,000	\$ 270,000	\$ 1,350,000
17-01	Renewal	Gas & Leachate Collection Pipe Extension	Gas & Leachate Collection Pipe Extension	\$ 2,550,000	S	Res	\$ -	\$ 500,000	\$ 550,000	\$ 550,000	\$ -	\$ -	\$ 1,600,000
17-01	Renewal	Gas & Leachate Collection Pipe Extension	Gas & Leachate Collection Pipe Extension		S	Debt	\$ -	\$ -	\$ -	\$ -	\$ 550,000	\$ 550,000	\$ 1,100,000.00
17-02	Renewal	Aggregate Production for Internal Use	Aggregate Production for Internal Use	\$ 15,135,000	S	Res	\$ -	\$ 500,000	\$ 850,000	\$ 850,000	\$ -	\$ -	\$ 2,200,000
17-02	Renewal	Aggregate Production for Internal Use	Aggregate Production for Internal Use		S	Debt	\$ -	\$ -	\$ -	\$ -	\$ 850,000	\$ 850,000	\$ 1,700,000.00
17-04	Renewal	Progressive Closure of External Faces	Progressive Closure of External Faces	\$ 10,000,000	S	Res	\$ -	\$ 1,000,000	\$ 6,000,000	\$ 3,000,000			\$ 10,000,000
17-07	Renewal	Computer Equipment	Computer Equipment	\$ 71,000	E	ERF	\$ -	\$ 15,000	\$ 15,000	\$ 15,000	\$ 15,000	\$ 15,000	\$ 75,000
17-09	Renewal	Vehicle Replacements	Vehicle Replacements	\$ 500,000	E	ERF	\$ -	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 500,000
18-01	New	Interim Covers	Interim Covers - West and North Slopes	\$ 1,000,000	S	Res	\$ -	\$ -	\$ 200,000	\$ 200,000	\$ -	\$ -	\$ 400,000
18-01	New	Interim Covers	Interim Covers - West and North Slopes		S	Debt	\$ -	\$ -	\$ -	\$ -	\$ 200,000	\$ 200,000	\$ 400,000.00
22-01	Renewal	Sedimentation Pond Relining	NW Sedimentation Pond Relining & Expansion	\$ 1,000,000	S	Res	\$ -	\$ 1,000,000	\$ -	\$ -	\$ -	\$ -	\$ 1,000,000
23-05	New	Existing Manual and Commercial Scale Upgrades	Existing Manual and Commercial Scale Upgrades	\$ 250,000	S	ERF	\$ -	\$ -	\$ -	\$ 250,000	\$ -	\$ -	\$ 250,000
24-01	New	Cell 5&6 GRW	Cell 5&6 Gravity Retaining Wall Construction	\$ 2,750,000	S	Debt	\$ -	\$ 2,000,000	\$ -	\$ -	\$ -	\$ -	\$ 2,000,000
24-01	New	Cell 5&6 GRW	Cell 5&6 Gravity Retaining Wall Construction		S	Cap	\$ 750,000	\$ 750,000	\$ -	\$ -	\$ -	\$ -	\$ 750,000.00
24-02	Study	Hartland North Master Plan	Hartland North Master Plan	\$ 150,000	S	Res	\$ -	\$ -	\$ -	\$ 150,000	\$ -	\$ -	\$ 150,000
24-03	New	Hartland Amenity Project	Hartland Amenity Project	\$ 4,000,000	S	Cap	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
24-05	New	Cell 5 Liner Construction	Cell 5 Liner Construction	\$ 11,300,000	S	Debt	\$ -	\$ 3,400,000	\$ -	\$ -	\$ -	\$ -	\$ 3,400,000
24-05	New	Cell 5 Liner Construction	Cell 5 Liner Construction		S	Cap	\$ 3,400,000	\$ 3,400,000	\$ -	\$ -	\$ -	\$ -	\$ 3,400,000
24-07	New	Relocation of N. Toe Road Sedimentation Pond	Relocation of N. Toe Road Sedimentation Pond	\$ 500,000	S	Cap	\$ -	\$ 500,000	\$ -	\$ -	\$ -	\$ -	\$ 500,000
25-02	Renewal	North End Wheel Wash	North End Wheel Wash	\$ 800,000	S	Res	\$ 400,000	\$ 400,000	\$ -	\$ -	\$ -	\$ -	\$ 400,000
25-03	New	Landfill Gas capture to meet New Federal Regs	Landfill Gas capture to meet New Federal Regs	\$ 250,000	S	Res	\$ 100,000	\$ 100,000	\$ 150,000	\$ -	\$ -	\$ -	\$ 250,000
25-04	New	Hartland Operating Certificate Renewal	Hartland Operating Certificate Renewal	\$ 100,000	S	Res	\$ 100,000	\$ -	\$ 100,000	\$ -	\$ -	\$ -	\$ 100,000
25-05	New	Hartland Leachate Pipe Mods for Pigging	Hartland Leachate Pipe Mods for Pigging	\$ 75,000	S	Res	\$ -	\$ 75,000	\$ -	\$ -	\$ -	\$ -	\$ 75,000
25-07	New	Cell 4, 5A & 5B Construction Field QA/QC	Cell 4, 5A & 5B Construction Field QA/QC	\$ 500,000	S	Debt	\$ -	\$ 250,000	\$ -	\$ -	\$ -	\$ -	\$ 250,000
25-11	New	Hartland Environmental Monitoring and Containment Projects	Hartland Environmental Monitoring and Containment Projects	\$ 225,000	S	Cap	\$ -	\$ 75,000	\$ -	\$ -	\$ 75,000	\$ -	\$ 150,000
26-01	New	Cell 4& 5 Bottom Lift Gas Wells / Leachate Drain	Cell 4& 5 Bottom Lift Gas Wells / Leachate Drain	\$ 700,000	S	Debt	\$ -	\$ 350,000	\$ -	\$ 350,000	\$ -	\$ 350,000	\$ 1,050,000
26-02	New	Hartland 5 year DOCP update	Hartland 5 year DOCP update	\$ 125,000	S	Cap	\$ -	\$ 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
26-05	New	Exising Utilities - Relocate for Cell 5	Exising Utilities - Relocate for Cell 5	\$ 1,150,000	S	Debt	\$ -	\$ 1,150,000	\$ -	\$ -	\$ -	\$ -	\$ 1,150,000
26-06	New	Landfill Gas Wellfield Optimization	Landfill Gas Wellfield Optimization	\$ 900,000	S	Debt	\$ -	\$ 180,000	\$ 180,000	\$ 180,000	\$ 180,000	\$ 180,000	\$ 900,000
26-07	New	NW Vegetation Buffer	NW Vegetation Buffer	\$ 250,000	S	Debt	\$ -	\$ -	\$ 250,000	\$ -	\$ -	\$ -	\$ 250,000
26-08	New	Surface Water Retention Pond - 100 year storm	Surface Water Retention Pond - 100 year storm	\$ 1,250,000	S	Debt	\$ -	\$ -	\$ 1,250,000	\$ -	\$ -	\$ -	\$ 1,250,000
26-09	New	HB-13 Generator and Electrical Pole Replacement	HB-13 Generator and Electrical Pole Replacement	\$ 350,000	S	Cap	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 350,000	\$ 350,000
26-10	New	Gr. Road Recycled Asphalt Milling - Dust Suppression	Gr. Road Recycled Asphalt Milling - Dust Suppression	\$ 450,000	S	ERF	\$ -	\$ 150,000	\$ 150,000	\$ 150,000	\$ -	\$ -	\$ 450,000

Service #:

1.521

Service Name:

Environmental Resource Management

PROJECT DESCRIPTION				PROJECT BUDGET & SCHEDULE									
Project Number	Capital Expenditure Type	Capital Project Title	Capital Project Description	Total Project Budget	Asset Class	Funding Source	Carryforward from 2025	2,026	2027	2028	2029	2030	5 - Year Total
26-11	New	Hartland 2100 Planning / Consultation / Permitting	Hartland 2100 Planning / Consultation / Permitting	\$ 500,000	\$	Cap	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 500,000	\$ 500,000
			Grand Total	\$ 60,261,000			4,750,000	17,290,000	\$ 11,065,000	\$ 6,065,000	\$ 2,240,000	\$ 3,365,000	\$ 40,025,000

Service: 1.521 Environmental Resource Management

Project Number 16-06 Capital Project Title Replacing of Small Equipments Capital Project Description Replacing of Small Equipments

Project Rationale Replacement of small equipments that 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 To meet BC Ministry of Environment regulations, gas wells and leachate collectors are installed in each lift of refuse and have to be connected to the existing header system to collect methane gas. Well heads, valves, condensation traps, monitoring points, and piping has to be installed to each gas well and leachate collector. The gas is then conveyed to the gas plant, and the leachate is conveyed to the lined storage lagoons and then discharged into the municipal sewer. Cost estimate is derived from historical construction information and includes consulting costs to layout pipe design/headers.

Project Number 17-02 Capital Project Title Aggregate Production for Internal Use Capital Project Description Aggregate Production for Internal Use

Project Rationale Producing aggregate annually from shot rock that was quarried to make airspace provides the CRD with a number of benefits including: prolonging the landfill life (creating landfilling airspace), providing aggregate for on-site needs, effective interception of shallow groundwater inflows, cost and space savings by not having to import aggregate, and reduced social and environmental impacts by not having to truck in aggregate. Cost estimate is derived from historical tender data.

Project Number 17-04 Capital Project Title Progressive Closure of External Faces Capital Project Description Progressive Closure of External Faces

Project Rationale As specified under the BC Ministry of Environments Landfill Criteria for Municipal Solid Waste, completed landfill areas and slopes must be closed with a progressive closure system on an annual basis. The closure system consists of a clay or synthetic cover placed over a gravel drainage layer This progressive closure system stays in place until economies of scale makes it cost effective to proceed with installation of a final closure system. The completion of Cell 3 in 2025/2026 requires closure of the areas that will not be filled against going forward.

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

Service: 1.521 Environmental Resource Management		
Project Number	18-01	Capital Project Title Interim Covers
Capital Project Description	Interim Covers - West and North Slopes	
Project Rationale	Following Golder's Leachate Management Plan, once an active landfilling cell is completed, but hasn't reached future filling contours, tarping is required to shed rainwater and divert to the freshwater collection system to prevent it from entering the leachate collection system and overwhelming the leachate storage ponds. Cost estimate is derived from historical in-house cost data.	
Project Number	22-01	Capital Project Title Sedimentation Pond Relining
Capital Project Description	NW Sedimentation Pond Relining & Expansion	
Project Rationale	To prevent leakage and fines from migrating off site into the north freshwater drainage area, the sedimentation pond must be relined. In addition the sedimentation pond must be enlarged to meet MOE requirements for retaining 24 hrs of precipitation from a 100 year storm event. Finally, the sedimentation pond requires inlet valving and piping to permit flows to be diverted to the upper lagoon in the event there is an onsite spill that must be contained and diverted from fresh water courses.	
Project Number	23-05	Capital Project Title Existing Manual and Commercial Scale Upgrades
Capital Project Description	Existing Manual and Commercial Scale Upgrades	
Project Rationale	The South Entrance Commercial scale approach/exit ramps are in poor condition. This project includes sawcutting and removal of old scale ramps and pouring new concrete with Rebar to eliminate further safety hazards to trucks and employees. The South Entrance Manual Scale deck is in poor condition. It requires replacement and/or major repair. This project accounts for all work that needs to be done after detailed assement to ensure life of the existing manual and commercial scales can continue reliably for the next 20 years.	
Project Number	24-01	Capital Project Title Cell 5&6 GRW
Capital Project Description	Cell 5&6 Gravity Retaining Wall Construction	
Project Rationale	This project will allow for the construction of a new mounded structural earth berm north of cell 1&2 at 5 corners intersection to serve as the new toe of cells 5 & 6. As part of this berm, the project includes installation of a critical sub-grade landfill leachate containment system (grout wall/curtain) and raising the clay containment berm from 130mAsl to 135mASL to ensure leachate capture from future landfill cells 4, 5 & 6. The project also includes relocation of any existing infrastructure (LFG, Leachate, Water, electrical etc) that currently resides in the future footprint of the MSE berm.	
Project Number	24-02	Capital Project Title Hartland North Master Plan
Capital Project Description	Hartland North Master Plan	
Project Rationale	With the recent completion of the new Residuals Treatment Facility and associated access and new scales at Hartland North, this design project will ensure that there is adequate future planning and integration with the existing landfill site	

Service: 1.521 Environmental Resource Management

Project Number 24-03 Capital Project Title Hartland Amenity Project Capital Project Description Hartland Amenity Project

Project Rationale This project considers all road and dintersection improvements necessary to move commercial access from Hartland Avenue to Willis Point Rd.

Project Number 24-05 Capital Project Title Cell 5 Liner Construction Capital Project Description Cell 5 Liner Construction

Project Rationale A new drainage and liner system will ensure effective removal of leachate from within the new Cell 5 area and prevent any off site migration. The liner will also include an underdrain which will relieve pore pressure and ensure fresh ground water does not contribute to ongoing leachate collection and processing. Improvements include all temporary and permanent access road and related infrastructure to allow refuse to be deposited in Cell 5.

Project Number 24-07 Capital Project Title Relocation of N. Toe Road Sedimentation Pond Capital Project Description Relocation of N. Toe Road Sedimentation 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.

Project Number 25-02 Capital Project Title North End Wheel Wash Capital Project Description North End Wheel Wash

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.

Project Number 25-03 Capital Project Title Landfill Gas capture to meet New Federal Regs Capital Project Description Landfill Gas capture to meet New Federal 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.

Service: 1.521 Environmental Resource Management

Project Number 25-04 **Capital Project Title** Hartland Operating Certificate Renewal **Capital Project Description** Hartland Operating Certificate Renewal

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 discussion 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.

Project Number 25-05 **Capital Project Title** Hartland Leachate Pipe Mods for Pigging **Capital Project Description** Hartland Leachate Pipe Mods for Pigging

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).

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

Project Rationale Cell 4, 5 and 6 and related infrastructure construction will occur over multiple years. The project requires that the engineer of record be onsite during critical milestones throughout the construction project to ensure the construction is installed per the design. The original design budget contemplated a 1 year installation of all capital improvements for Cell 4, 5 & 6 projects. However, logistics and filling plans required phasing of the projects over a number of years which stretches the QA/QC budget over a longer period. The funds are to allow all travel, coordination meetings, onsite QA/QC field review, design modifications etc required to ensure construction meets the design requirements.

Project Number 25-11 **Capital Project Title** Hartland Environmental Monitoring and Containment Projects **Capital Project Description** Hartland Environmental Monitoring and Containment Projects

Project Rationale To ensure compliance with BC Ministry of Environment regulations, an active review of current and future environmental controls is necessary. This project accounts for consultant studies, contractor environmental mitigation controls required to review and enhance the current environmental monitoring program at the Hartland landfill and ensure compliance with MOE regulations.

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 To meet BC Ministry of Environment regulations, gas wells and leachate collectors are installed in each lift of refuse and have to be connected to the existing collection systems to collect methane gas. Well heads, valves, condensation traps, monitoring points, and piping has to be installed to each combination gas well and leachate collector. The leachate is then conveyed to the lined storage lagoons and then discharged into the municipal sewer. Estimate is derived from historical costs.

Service: 1.521 Environmental Resource Management			
Project Number	26-02	Capital Project Title	Hartland 5 year DOCP update
Capital Project Description	Hartland 5 year DOCP update		
Project Rationale	Hartland's Operating Certificate (OC) issued by the BC Ministry of Environment requires adherence to the BC Landfilling criteria which requires updates to the Landfill DOCP every 5 years. The last DOCP was finalized and submitted to the MOE on May 2022. A new update is required by May 2027. The project includes the procurement of a consultant to complete the DOCP to meet submission requirement.		
Project Number	26-03	Capital Project Title	ERM Land Acquisition
Capital Project Description	ERM Land Acquisition		
Project Rationale	ERM's long term plan to maximize recycling and diversion opportunities for the region requires the acquisition of land/facilities to accommodate the growing needs of the region. This project includes those activities needed to secure land or facilities for future diversion, recycling or waste management requirements of the region.		
Project Number	26-04	Capital Project Title	RTF Biogas Tie-In to RNG
Capital Project Description	RTF Biogas Tie-In to RNG		
Project Rationale	The Residual Solids Treatment facility currently reuses the biogas produced during operation to minimize energy requirements for the facility. However there remains an excess of biogas that is currently flared and contributes to the CRD's carbon footprint. There is opportunity to divert the unused gas to Hartland's newly constructed Renewal Natural Gas plant for to purify the gas and sell it to Fortis over its 20 year sale agreement with the CRD. This project includes the design, procurement and installation of all infrastructure needed to take advantage of this opportunity.		
Project Number	26-05	Capital Project Title	Exising Utilities - Relocate for Cell 5
Capital Project Description	Exising Utilities - Relocate for Cell 5		
Project Rationale	Buildout of the landfill includes the installation of a new toe-berm to maximize airspace in Phase 2. The toe berm will be 10-15meters high. There are a number of utilities (landfill gas, leachate, water, electrical, waste water, surface water etc) that cross through the footprint of the toe berm. These pipes need to be protected or relocated to handle the weight of earth and refuse that will be piled ontop of them. This project includes all design and construction required to protect and/or relocate existing landfill infrastructure that sits within the footprint of the new earthen berm. It also includes any new infrastructure that will be needed to be constructed to ensure continuous service of those utilities to the landfill.		
Project Number	26-06	Capital Project Title	Landfill Gas Wellfield Optimization
Capital Project Description	Landfill Gas Wellfield Optimization		
Project Rationale	This project includes all upgrades/optimizations to the landfill gas wellfield collection system to increase the collection efficiency, maximize RNG revenue potential and minimize the operating expenses needed to operate the wellfield in light of the new RNG facility commissioned in 2025.		
Project Number	26-07	Capital Project Title	NW Vegetation Buffer
Capital Project Description	NW Vegetation Buffer		
Project Rationale	A section of land abutting Mount Work requires vegetation to meet the BC Landfill criteria "sight" buffer of 30-50meters along the Western property boundary. This project includes the design and construction needed to relocate ~25,000m3 of shot rock, hillside shaping, stripping and landscaping to create a vegetation buffer that meets the criteria.		

Service: 1.521 Environmental Resource Management

Project Number 26-08 Capital Project Title Surface Water Retention Pond - 100 year Capital Project Description Surface Water Retention Pond - 100 year

Project Rationale The Landfill Criteria states that a landfill shall have the capacity to contain the surface water runoff generated in 24 hours of a 100 year precipitation event. This project covers the cost to design and build a new surface water retention pond to fulfill this criteria. This project includes the piping systems in/out of the pond to the receiving environment and/or leachate lagoons.

Project Number 26-09 Capital Project Title HB-13 Generator and Electrical Pole Capital Project Description HB-13 Generator and Electrical Pole

Project Rationale The Electrical pole at HB-13 and backup generator have reached their useful life and require replacement. This project includes all cost to design, procure and construct the electrical replacement of this infrastructure.

Project Number 26-10 Capital Project Title Gr. Road Recvclcd Asphalt Milling - Dust Capital Project Description Gr. Road Recvclcd Asphalt Milling - Dust

Project Rationale The roads around the landfill are mainly gravel and require constant maintenance and dust suppression. This project covers the cost of receiving recycled asphalt and deploy it on the gravel roads around the site in order to reduce maintenance and dust suppression activities.

Project Number 26-11 Capital Project Title Hartland 2100 Planning / Consultation / Capital Project Description Hartland 2100 Planning / Consultation /

Project Rationale Construction efforts on Phase 3 will need to occur 15-20 years prior to the needing the airspace due to the large volume of rock that is required to be removed. Getting approval to construct will require numerous years of planning and consultation with the ministry and stakeholders. This project covers the cost of any fees, staff time, consultation, events, permits, reports, assessments and other costs that are required to initiate the planning phase, well in advance of construction needing to start.

1.521 Environmental Resource Management
Capital Reserve Fund Schedule - ERM
2026 - 2030 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 Fund: 1020 Fund Centre: 101363	Estimate	Budget				
	2025	2026	2027	2028	2029	2030
Beginning Balance	14,271,342	14,885,564	14,349,786	8,823,293	6,306,269	6,798,906
Planned Capital Expenditure (Based on Capital Plan)	-	(1,000,000)	(6,000,000)	(3,000,000)		
Transfer from Ops Budget	464,222	464,222	473,506	482,977	492,636	502,489
Interest Income*	150,000	-	-	-	-	-
Ending Balance \$	14,885,564	14,349,786	8,823,293	6,306,269	6,798,906	7,301,394

Assumptions/Background:

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

* 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 Fund: 1020 Fund Centre: 101364	Estimate	Budget				
	2025	2026	2027	2028	2029	2030
Beginning Balance	9,794,032	7,865,903	4,760,903	2,380,903	1,100,903	1,600,903
Planned Capital Expenditure (Based on Capital Plan)	(4,750,000)	(3,575,000)	(2,850,000)	(1,750,000)		
Transfer to/from Ops Budget	2,621,871	470,000	470,000	470,000	500,000	470,000
Interest Income*	200,000	-	-	-	-	-
Ending Balance \$	7,865,903	4,760,903	2,380,903	1,100,903	1,600,903	2,070,903

Assumptions/Background:

* 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 Fund: 1020 Fund Centre: 102102	Estimate	Budget				
	2025	2026	2027	2028	2029	2030
Beginning Balance	19,918	23,918	27,918	31,918	35,918	39,918
Planned Capital Expenditure		-	-	-	-	-
Transfer to/from Ops Budget	4,000	4,000	4,000	4,000	4,000	4,000
Ending Balance \$	23,918	27,918	31,918	35,918	39,918	43,918

Assumptions/Background:

Reimburse operating budget for capital expenditures spent by Compost Center.

1.521 Enviromental Resource Management
Operating Reserve Summary
2026 - 2030 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 Fund: 1500 Fund Center 105509	Estimate	Budget				
	2025	2026	2027	2028	2029	2030
Beginning Balance	6,784,571	6,374,936	6,794,936	7,214,936	7,634,936	6,454,936
Planned Capital Expenditure (Based on Capital Plan)	(966,270)					
Transfer from Ops Budget	356,634	420,000	420,000	420,000	420,000	420,000
Transfer to Ops Budget					(1,600,000)	(1,600,000)
Interest Income*	200,000			-	-	-
Total projected year end balance	6,374,936	6,794,936	7,214,936	7,634,936	6,454,936	5,274,936

Assumptions/Background:

Reserve for rate stabilization

* 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
2026 - 2030 Financial Plan

ERF Reserve Fund Schedule

ERF: ERM ERF or PERS Fund for Equipment

Equipment Replacement Fund Fund: 1022 Fund Centre: 101447	Estimate	Budget				
	2025	2026	2027	2028	2029	2030
Beginning Balance	2,028,945	2,092,945	1,761,945	1,430,945	849,945	668,945
Planned Purchase (Based on Capital Plan)	(150,000)	(535,000)	(535,000)	(785,000)	(385,000)	(385,000)
Transfer to/from Ops Budget	204,000	204,000	204,000	204,000	204,000	204,000
Interest Income*	10,000	-	-	-	-	-
Ending Balance \$	2,092,945	1,761,945	1,430,945	849,945	668,945	487,945

Assumptions/Background:

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

* 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.