



Notice of Meeting and Meeting Agenda Environmental Services Committee

Wednesday, October 15, 2025

9:30 AM

6th Floor Boardroom
625 Fisgard St.
Victoria, BC V8W 1R7

B. Desjardins (Chair), S. Tobias (Vice Chair), J. Brownoff, J. Caradonna, G. Holman,
D. Kobayashi, C. Plant, M. Tait, D. Thompson, A. Wickheim, C. McNeil-Smith (Board Chair, ex-officio)

The Capital Regional District strives to be a place where inclusion is paramount and all people are treated with dignity. We pledge to make our meetings a place where all feel welcome and respected.

1. Territorial Acknowledgement

2. Approval of Agenda

3. Adoption of Minutes

3.1. [25-1075](#) Minutes of the Environmental Services Committee Meeting of September 17, 2025

Recommendation: That the minutes of the Environmental Services Committee meeting of September 17, 2025 be adopted as circulated.

Attachments: [Minutes - September 17, 2025](#)

4. Chair's Remarks

5. Presentations/Delegations

The public are welcome to attend CRD meetings in-person.

Delegations will have the option to participate electronically. Please complete the online application at www.crd.ca/address no later than 4:30 pm two days before the meeting and staff will respond with details.

Alternatively, you may email your comments on an agenda item to the CRD Board at crdboard@crd.bc.ca.

6. Committee Business

6.1. [25-1055](#) Mattress Recycling - Provincial Policy Update

Recommendation: The Environmental Services Committee recommends to the Capital Regional District Board:
That the Board Chair is authorized to send an advocacy letter to the Ministry of Environment & Parks expressing the Capital Regional District's objection to the recent exclusion of mattresses from its forthcoming update to the Province's Recycling Regulation.

Attachments: [Staff Report: Mattress Recycling - Provincial Policy Update](#)

6.2. [25-1061](#) Environmental Resource Management - 2026 Operating and Capital Budget

Recommendation: The Environmental Services Committee recommends the Committee of the Whole recommend to the Capital Regional Board:
That Appendix A, 2026 Operating and Capital Budget - Environmental Resource Management be approved as presented and form the basis of the Provisional 2026-2030 Financial Plan.

Attachments: [Staff Report: ERM - 2026 Operating & Capital Budget](#)
 [Appendix A: ERM - 2026 Operating & Capital Budget](#)
 [Presentation: ERM 2026 Operating & Capital Budget](#)

7. Notice(s) of Motion**8. New Business****9. Adjournment**

The next meeting is November 19, 2025.

To ensure quorum, please advise Jessica Dorman (jdorman@crd.bc.ca) if you or your alternate cannot attend.

Meeting Minutes

Environmental Services Committee

Wednesday, September 17, 2025

9:30 AM

6th Floor Boardroom
625 Fisgard St.
Victoria, BC V8W 1R7

PRESENT

Directors: B. Desjardins (Chair), S. Tobias (Vice Chair), J. Brownoff (EP), J. Caradonna, G. Holman, D. Kobayashi (EP), C. Plant (9:32 am) (EP), M. Tait (EP), D. Thompson, A. Wickheim, C. McNeil-Smith (Board Chair, ex-officio)

Staff: T. Robbins, Chief Administrative Officer; L. Jones, General Manager, Parks, Recreation and Environmental Services; R. Tooke, Senior Manager, Environmental Innovation; M. Tromp Hoover, Acting Senior Manager, Environmental Resource Management; M. Lagoa, Deputy Corporate Officer; J. Dorman, Committee Clerk (Recorder)

EP - Electronic Participation

The meeting was called to order at 9:30 am.

1. Territorial Acknowledgement

Vice Chair Tobias provided a Territorial Acknowledgement.

2. Approval of Agenda

MOVED by Director Holman, **SECONDED** by Director Wickheim,
The agenda for the Environmental Services Committee meeting of September 17,
2025 be approved.
CARRIED

3. Adoption of Minutes

- 3.1. [25-0956](#) Minutes of the Environmental Services Committee Meeting of July 16, 2025

Director Plant joined the meeting electronically at 9:32 am.

MOVED by Director Wickheim, **SECONDED** by Director Tobias,
That the minutes of the Environmental Services Committee meeting of July 16,
2025 be adopted as circulated.
CARRIED

4. Chair's Remarks

Chair Desjardins spoke about the current weather conditions and the fallen ash that covered Greater Victoria this morning.

5. Presentations/Delegations

There were no presentations or delegations.

6. Committee Business

6.1. [25-0910](#) Climate Action Strategy Renewal - Guiding Framework

R. Tooke spoke to Item 6.1.

Discussion ensued on the following:

- regional greenhouse gas (GHG) emission targets
- jurisdiction around reduction activities
- differentiation between regional growth and climate action strategies
- CRD, provincial and federal government authority, jurisdiction and responsibilities
- vehicle emissions and emission monitoring programs

**MOVED by Director Thompson, SECONDED by Director Caradonna,
The Environmental Services Committee recommends to the Capital Regional District Board:
That the Capital Regional District Board endorse the updated Climate Action Strategy Guiding Framework: Proposed Vision, Principles, Goals and Targets for a Renewed Climate Action Strategy.**

**MOVED by Director Caradonna, SECONDED by Director Thompson,
That the main motion be amended by adding the following sentences:
"2. Within the strategy, that staff clarify:
i. The CRD's jurisdiction as relates to greenhouse gas reductions;
ii. The support role played by the regional district in helping the region achieve its greenhouse gas objectives;
iii. The targets and progress of the 13 member municipalities and 3 electoral areas."**

**CARRIED
Opposed: Tait**

Discussion ensued on the following:

- clarification of responsibilities and roles of levels of government
- electoral areas step code
- impacts from waste and other regional emissions

**MOVED by Director Holman, SECONDED by Director Caradonna,
That the main motion be amended to add the following:
"3. Amend Appendix B, under Guiding Principles, Lead, add the words, "increase resilience", after the words "greenhouse gas emissions"."
CARRIED**

**MOVED by Director Holman, SECONDED by Director Plant,
That the main motion be amended to add the following:
"4. Amend Appendix B, under Goal Areas, Low Carbon Mobility, add the words, "zero emissions transportation options", after the words "public transportation"."
CARRIED**

The question was called on the main motion as amended:

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

1. That the Capital Regional District Board endorse the updated Climate Action Strategy Guiding Framework: Proposed Vision, Principles, Goals and Targets for a Renewed Climate Action Strategy.
2. Within the strategy, that staff clarify:
 - i. The CRD's jurisdiction as relates to greenhouse gas reductions;
 - ii. The support role played by the regional district in helping the region achieve its greenhouse gas objectives;
 - iii. The targets and progress of the 13 member municipalities and 3 electoral areas.
3. Amend Appendix B, under Guiding Principles, Lead, add the words, "increase resilience" after the words "greenhouse gas emissions";
4. Amend Appendix B, under Goal Areas, Low Carbon Mobility, add the words, "zero transportation options" after the words "public transportation".

CARRIED

6.2. [25-0899](#)

Hartland Public Drop-Off Expanded Hours Pilot Results

M. Tromp Hoover spoke to Item 6.2.

Discussion ensued on the following:

- cost implications and offset for staffing and equipment usage
- schedule implications and utilization of early morning hours
- small haulers drop off locations for recycling and garbage and tonnage metrics

**MOVED by Director Plant, SECONDED by Director Caradonna,
The Environmental Services Committee recommends to the Capital Regional District Board:**

That Hartland Landfill and Public Drop-off Depot's expanded hours become permanent, with Saturday opening hours remaining as 7 am to 5 pm.

CARRIED

7. Notice(s) of Motion

There were no notice(s) of motion.

8. New Business

There was no new business.

9. Adjournment

**MOVED by Director Thompson, SECONDED by Director Tobias,
That the Environmental Services Committee meeting of September 17, 2025 be adjourned at 10:44 am.**

CARRIED

CHAIR

RECORDER

**REPORT TO ENVIRONMENTAL SERVICES COMMITTEE
MEETING OF WEDNESDAY, OCTOBER 15, 2025**

SUBJECT **Mattress Recycling – Provincial Policy Update**

ISSUE SUMMARY

To provide an update on the recent exclusion of mattresses from a forthcoming amendment to the *BC Recycling Regulation*, including impacts for the Capital Regional District's (CRD) solid waste service.

BACKGROUND

In BC, Extended Producer Responsibility (EPR) is an environmental policy that holds producers accountable for the full lifecycle of their products, including the costs and logistics for end-of-life collection and recycling. In 2021, the BC Ministry of Environment & Parks released an action paper titled "Advancing Recycling in BC: Extended Producer Responsibility Five-Year Action Plan". This report called for the launch of several new EPR programs, including one for mattresses and foundations that was set to launch in 2025.

Local and regional governments across BC have long advocated for and supported the Ministry's plan to implement EPR for mattresses, including resolutions from the Union of BC Municipalities in both 2014 and 2020 that called for the inclusion of mattresses in any future update to EPR programs. Despite significant support from these stakeholders, the Ministry recently reversed its position in July 2025, informing regional districts, through the BC Product Stewardship Council, that mattresses had been removed from a forthcoming update to the *BC Recycling Regulation*.

The rationale for this policy reversal is a concern that EPR fees would appear to increase costs for consumers during a period of inflationary pressure. The Province's economic analysis determined that, to reflect the true cost of end-of-life management for mattresses, potential EPR fees could be as high as \$40-45 per unit. These would be charged at the time of purchase rather than disposal as they are now, potentially appearing as a cost increase to consumers due to this shift in timing. However, the Province also acknowledged that local and regional governments are currently subsidizing the disposal costs for these products to avoid illegal dumping—recognizing that the actual cost of recycling is already being covered by local governments and as a result, taxpayers, instead of the producers and consumers of these products.

DISCUSSION

Hartland Landfill currently accepts mattresses and their foundations as general refuse, charging \$155/tonne in 2025 plus a \$10 bin fee. Hartland also offers a voluntary mattress recycling program as part of its public drop-off area for the same cost as disposal. Through this voluntary program, the CRD shipped 280 tonnes of mattresses with metal springs for local processing in 2024 at a net cost of approximately \$162,000. These figures do not include processing and landfilling costs for the high volume of mattresses and foundations accepted at Hartland Landfill that were not suitable for recycling.

Staff at several regional districts across BC are seeking direction from their Boards to send letters to the Minister of Environment & Parks to express their objections to the exclusion of mattresses from the Province's forthcoming EPR program expansion. This advocacy aligns with the CRD's Solid Waste Management Plan Strategy #10, Action A to "Advocate to the Province to expand EPR programs".

Current Challenges in Mattress Disposal and Recycling

- Mattresses and their foundations are very expensive and difficult to landfill as they do not easily compress or compact, so they take up significant airspace.
- If not dismantled and shredded, the metal springs and wires in mattresses can cause significant damage to the wheels and tracks of heavy equipment, which in turn increases maintenance costs and decreases operational capacity due to machinery downtimes.
- Coordinating recycling options for mattresses and foundations is also challenging for individual landfills as they are bulky, heavy and difficult to store and transport.
- The recycling value of mattress components (e.g., metal, felt, foam, wood) is determined by the quality of the units, yet keeping these materials dry and clean to preserve their value requires significant covered storage that is cost prohibitive to maintain.
- Mattresses and their foundations can also be contaminated with biohazards, posing a risk for staff who are moving these materials on site.
- While some local deconstruction is possible for certain types of mattresses, foam mattresses have become a larger share of this product category and do not contain high-value materials, nor can they be deconstructed effectively.

Mattresses are frequently dumped illegally in public spaces, with clean-up and enforcement costs covered primarily by municipalities. Although the CRD has local mattress hauling and processing contracts in place, most mattresses brought to Hartland Landfill are currently processed for recycling or shredded on site to reduce costs, airspace consumption and the risk of equipment damage.

Benefits of an EPR Program for Mattresses

- An EPR program for mattresses will transfer the financial and logistical burdens of end-of-life collection and management from local and regional governments to the producers and consumers of these products through a user-pay model charged at the time the mattress is purchased.
- The economies of scale and logistics coordination benefits of a province-wide EPR program will reduce market vulnerability for mattress recycling businesses.
- Mattresses and their foundations could be disposed of for free at Hartland Landfill and other recycling depots, reducing the incentive for illegal dumping throughout the region.

If an EPR program for mattresses is implemented by the Province, the CRD would expect to receive a fee for collecting, storing and handling these materials from a stewardship organization much like other EPR programs in BC. Only mattresses deemed unsuitable for recycling would be shredded and landfilled, saving significant airspace and therefore extending the lifespan of Hartland Landfill.

ALTERNATIVES

Alternative 1

The Environmental Services Committee recommends to the Capital Regional District Board: That the Board Chair is authorized to send an advocacy letter to the Ministry of Environment & Parks expressing the Capital Regional District's objection to the recent exclusion of mattresses from its forthcoming update to the Province's *Recycling Regulation*.

Alternative 2

The Environmental Services Committee recommends to the Capital Regional District Board: That this report be referred back to staff for additional information.

IMPLICATIONS

Alignment with Existing Plans & Strategies

Advocating for the inclusion of mattresses in a future update to the Province's *Recycling Regulation* aligns with Strategy #10 in the CRD's Solid Waste Management Plan to "Support Existing and New Extended Producer Responsibility Programs".

Environmental Implications

Hartland Landfill currently receives a significant volume of mattresses and their foundations for disposal each year, both directly from residents and from municipalities that are retrieving illegally dumped materials. Although these products are currently being processed for recycling or shredded on site, continued disposal of these materials reduces the lifespan of Hartland Landfill.

Financial Implications

The CRD is currently subsidizing the cost of recycling for mattresses by approximately \$162,000 annually. This figure does not include processing and landfilling costs for the high volume of mattresses that are not suitable for recycling. A province-wide EPR program will remove this cost from Environmental Resource Management's operational budget and allow for the development of the local mattress recycling industry with no budget impact. Free disposal of mattresses and their foundations at Hartland Landfill under an EPR program would also reduce the incentive to dump these products illegally across the region, reducing cleanup and enforcement costs currently covered by municipalities.

CONCLUSION

The Capital Regional District (CRD) is currently subsidizing the cost of end-of-life collection, management and recycling for mattresses. An Extended Producer Responsibility (EPR) program for these products, as previously endorsed by the Province, will shift the financial and logistical burden of mattress disposal from the CRD to producers much like dozens of other products already under EPR stewardship. A new EPR program will also reduce illegal dumping, extend the life of Hartland Landfill and support the development of a circular economy by leveraging the economies of scale for mattress recycling. Staff recommend that the CRD Board respond to the Province's recent policy decision with an advocacy letter that reinforces CRD support for an EPR program that will reflect the true cost of managing mattresses.

RECOMMENDATION

The Environmental Services Committee recommends to the Capital Regional District Board:
That the Board Chair is authorized to send an advocacy letter to the Ministry of Environment & Parks expressing the Capital Regional District's objection to the recent exclusion of mattresses from its forthcoming update to the Province's *Recycling Regulation*.

Submitted by:	Melanie Tromp Hoover, BA, Acting Senior Manager, Environmental Resource Management
Concurrence:	Luisa Jones, MBA, General Manager, Parks, Recreation & Environmental Services
Concurrence:	Ted Robbins, B. Sc., C. Tech., Chief Administrative Officer

**REPORT TO ENVIRONMENTAL SERVICES COMMITTEE
MEETING OF WEDNESDAY, OCTOBER 15, 2025**

SUBJECT Environmental Resource Management – 2026 Operating and Capital Budget

ISSUE SUMMARY

To provide an overview of the draft Environmental Resource Management (ERM) 2026 budget, highlighting the changes from the 2025 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 & Parks 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 from the current rate of 338 kg/capita (2024) 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.

DISCUSSION

The draft ERM 2026 budget has been prepared for consideration by the Environmental Services Committee (Appendix A).

2025 Year-End Financial Projections

There is an estimated net unfavorable variance of \$1.2 million for ERM's 2025 operating budget. This variance will result in a reduction of the capital reserve transfer at year end. The net variance is due to a reduction in revenue (\$4.9 million) offset by savings in operating expenditures (\$3.7 million). Details can be found in Appendix A under the 2025 Estimated Actual column.

Year-end revenue and expenditure projections for 2025 have been established, and estimated variances are summarized, as follows:

Budget Item	Variance (\$) 2025 Estimated Surplus / - Deficit	Variance (%) 2025 Estimated Surplus / - Deficit
Diversion Services Expenditures	\$2,700,000	9.6%
Landfilling Services Expenditures	\$275,000	1.8%
Energy Recovery Services Expenditures	\$700,000	19.2%
Total Operating Expenditures	\$3,725,000	7.9%
Revenue: Tipping Fee	-\$850,000	-2.8%
Revenue: Other	-\$4,100,000	-17.1%
Total Revenue	-\$4,950,000	-6.0%
Reserve Fund Transfers	-\$1,225,000	-30.6%

Operating cost variance/savings (7.9%): Expenses related to the program development in the Hartland diversion program, community support program in the waste diversion services, and contract for services and electricity cost in the energy recovery services are forecasted to be lower than budget, due to delayed completion of the Renewable Natural Gas (RNG) plant, resulting in \$3.7 million savings.

Revenue variance/pressures (-6.0%): Overall total revenue is expected to be lower than budgeted by \$4.9 million. While other revenue for 2025 forecasted to be higher than budgeted by \$1.4 million, the solid waste tipping revenue for 2025 is forecasted to be lower than budget due to decreased tipping fee revenues from quantity of solid waste being received by \$850,000. The Operating Reserve transfer is forecasted to be \$2.9 million below the budget, and RNG sales revenue is forecasted to be lower than budgeted by \$2.6 million due to the postponed project completion date of the Hartland Biogas Upgrading Plant construction.

The 2025 net budget deficit of \$1.2 million will be funded by reducing the capital reserve transfer.

2026 Operating Budget

The draft ERM 2026 budget was prepared, considering the Board's 2026 Service and Financial Planning Guidelines, and the goals set out in the new Board approved SWMP. The following are key components of the proposed ERM 2026 budget:

Operating Budget

Operating budget expenses have increased by a total of \$1.5 million over 2025 budget (3.2%), as follows:

- Diversion Services: decreased expenses by \$1.1 million over 2025 budget (-3.9%)
 - Reduced Hartland diversion program development expenditures including the new diversion initiatives such as the waste collector incentive program to more accurately reflect projected program uptake based on actual 2025 experience.
- Landfilling Services: increased by \$1.3 million over 2025 budget (8.8%)
 - Standard Overhead Allocation
- Energy Recovery Services: increased by \$1.3 million over 2025 budget (35.8%)
 - Annualization of RNG operating contract and utility usage. The 2025 budget only includes a partial year of RNG expenses based on assumed project completion timing.

Operating budget revenues are budgeted to increase by a total of \$2.7 million (13.3%), as follows:

- Diversion Services revenue increase \$2.5 million (18.8%): Blue Box revenue increase from Recycle BC, recycling tipping fees, and compost tipping fees
- Landfilling Services revenue increase \$110,000 (0.4%): revenue from general refuse tipping fee increases
- Energy Recovery Services revenue increase of \$150,000 (2.3%): revenue from the new RNG facility, based on first full year of operation

Capital/Reserve Transfer

Transfers to reserves are allocated to the Operating Reserve fund, Equipment Replacement fund and Capital Reserve fund. The 2026 transfer to reserve budget is \$1.6 million, which is a 68% decrease over 2025. This decrease is due to lower RNG revenue and annualization of RNG operating contract and utility cost adjustments. While transfers to reserves may fluctuate year to year, reserve balances are managed to meet minimum corporate reserve balance guidelines.

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 \$22.1 million in borrowing was issued under four separate loan issues, which are set to expire between 2038 and 2040. Annual interest and principal payments under this bylaw are \$1.9 million per year. The total 2026 budgeted debt servicing costs include the above-mentioned interest and principal payments, as well as an additional \$580,000 of new debt servicing costs associated with Cell 5 and 6 Gravity Retaining Wall Construction and Existing Utilities - Relocate for Cell 5 projects. Details can be found in Appendix A – Operating Budget.

Table 1: 2026 Year-Over-Year Budget Comparison

Expenditure Type	2026 Financial Plan	2025 Financial Plan	Change	% Change
Operations	\$48,842,421	\$47,312,957	\$1,529,464	3.2%
Debt Servicing	\$2,554,790	\$2,026,178	\$528,612	26.1%
Transfers to Capital / Reserves	\$1,562,222	\$4,880,389	-\$3,318,167	-68.0%
Total	\$52,959,432	\$54,219,524	-\$1,260,091	-2.3%

2026 Capital Budget

Capital Plan

The Hartland Landfill five-year capital plan is made up of 30 projects totaling \$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 17 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, Design, Operations and Closure Plan update, road improvements, vegetation buffer improvements, aging electrical infrastructure replacement

and planning/permitting. The estimated cost for this group of projects for 2026 is \$2.3 million, with an estimated five-year total cost of \$12.2 million.

- **Progressive Closure of the Landfill:** There are two projects over five years totalling \$10 million (\$1 million for 2026), which include projects such as final closure and interim cover of external faces. The completion of Cell 3 requires closure of the areas that will not be utilized in the future.
- **Cell 4, 5 and 6 Preparation and North End Commercial Access Improvements:** There are 8 projects over five years totalling \$14.1 million (\$12.9 million in 2026), which include design and installation of complete liner system for Cell 5, a truck wheel wash system, relining the stormwater sedimentation pond and a new storm water retention pond.
- **Renewable Natural Gas (RNG):** There are two RNG projects over five years totalling \$1.9 million (\$1.2 million in 2026) 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 FortisBC 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 2027 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 expenditures. 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. The future capital funding will be a combination of reserves and debt financing.

Reserves: There are currently three reserve funds established for this service (2025 estimated year-end balances). Reserve balances are managed to meet minimum corporate reserve balance guidelines:

- **Operating Reserve (\$6.4 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.
- **Equipment Replacement Reserve (\$2.1 million):** This fund was established by Bylaw No. 945 to fund replacement of computer equipment and solid waste small equipment that lasts less than 15 years. The 2026 equipment replacement reserve fund annual contributions are set at \$204,000.
- **Capital Reserve (\$22.7 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 (cell 3) and post closure maintenance, and all related ancillary works

and equipment necessary for landfill and operations. The 2026 capital reserve fund will be used to fund \$474,000 of the 2026 capital plan.

ALTERNATIVES

Alternative 1

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

That Appendix A, 2026 Operating and Capital Budget – Environmental Resource Management be approved as presented and form the basis of the Provisional 2026-2030 Financial Plan.

Alternative 2

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

That Appendix A, 2026 Operating and Capital Budget – Environmental Resource Management be approved as amended and form the basis of the Final 2026-2030 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 2026 Environmental Resource Management budget has been prepared for consideration by the Environmental Services Committee. The Committee will make budget recommendations to the Capital Regional District Board through the Committee of the Whole. The draft 2026 budget will assist the community in achieving the goals set out in the new Board approved Solid Waste Management Plan.

RECOMMENDATION

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

That Appendix A, 2026 Operating and Capital Budget – Environmental Resource Management be approved as presented and form the basis of the Provisional 2026-2030 Financial Plan.

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 & General Manager, Finance & Technology
Concurrence:	Ted Robbins, B. Sc., C. Tech., Chief Administrative Officer

ATTACHMENTS

Appendix A: 2026 Environmental Resource Management Budget
Presentation - 2026 Environmental Resource Management Budget

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)
Remaining:	Expired May 14, 2013	<u>\$5,570,000</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)
Remaining:		<u>\$10,350,000</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 Captial 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 Forward from 2025	2026	2027	2028	2029	2030	TOTAL
	Environmental Resource Manager							

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	Asset class is used to classify assets for financial reporting in accordance with the Public Sector Accounting Board (PSAB) 3150. L - Land S - Engineering Structure B - Buildings V - Vehicles E - Equipment
Capital Expenditure Type	Capital expenditure type is used for reporting on asset investments and may be used to justify operational needs for a service. 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
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	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 If there is more than one funding source, additional rows are shown for the project.

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.



Environmental Resource Management 2026 Operating and Capital Budget Presentation

Environmental Services Committee

October 15, 2025

Environmental Resource Management Service Areas



Waste Diversion



Landfilling

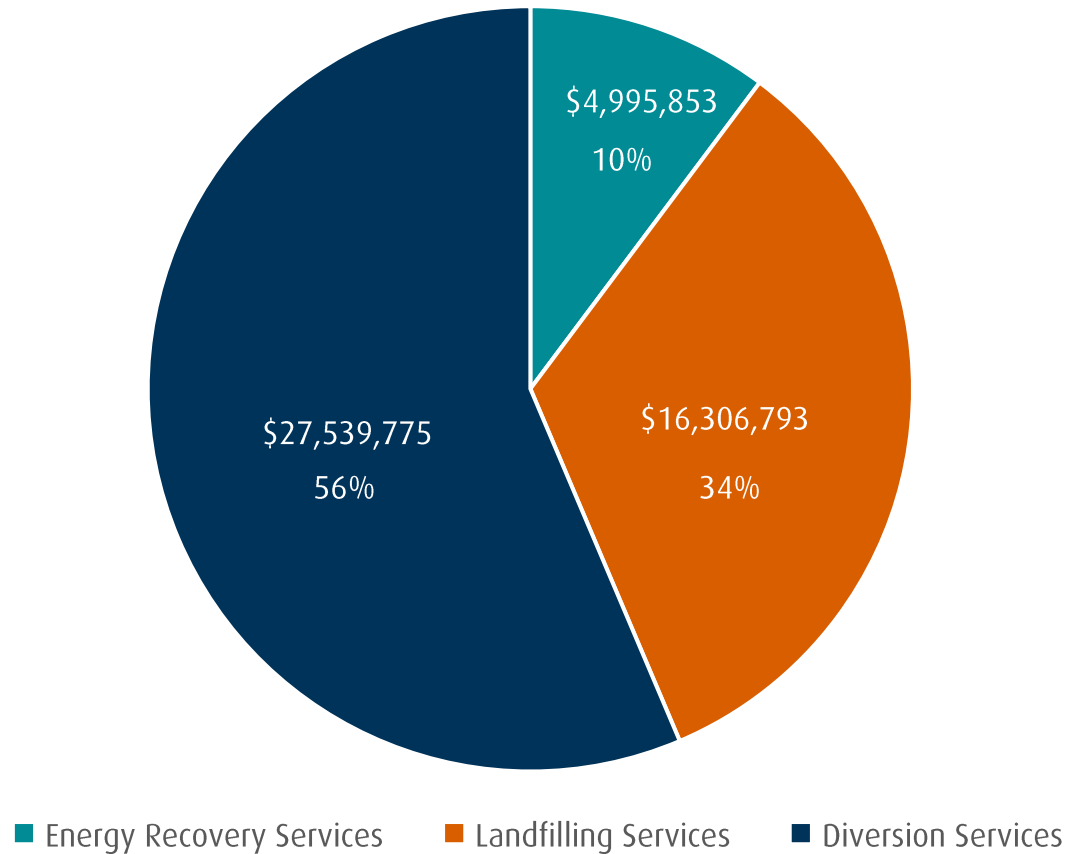


Energy Recovery



2026 Operating Budget Expenses

\$48,842,421



Environmental Resource Management Service Areas

2026 Operating Budget



Waste Diversion (\$27.5 million)

- Solid Waste Planning \$0.9 million
- Community Support Programs \$0.9 million
- Hartland Diversion Programs \$12.5 million
- Curbside Recycling \$11.9 million
- Electoral Area Recycling \$1.2 million

Landfilling (\$16.3 million)

- Heavy Equipment Contract \$5.3 million
- CRD Enviro Programs \$1 million
- CRD Engineering \$875,000
- Allocation \$7.3 million
- Operating – Other \$500,000
- Repairs & Maintenance \$520,000
- Leachate \$0.85 million

Energy Recovery (\$4.9 million)

- Contract for Services \$2 million
- Electricity \$1.3 million
- Environmental Resource Management Overhead - \$1.5 million
- CRD Enviro \$100,000

2026 Operating Budget Expenses: \$48.8 million

\$1.5 million (~3%) increase over 2025 Operating Budget

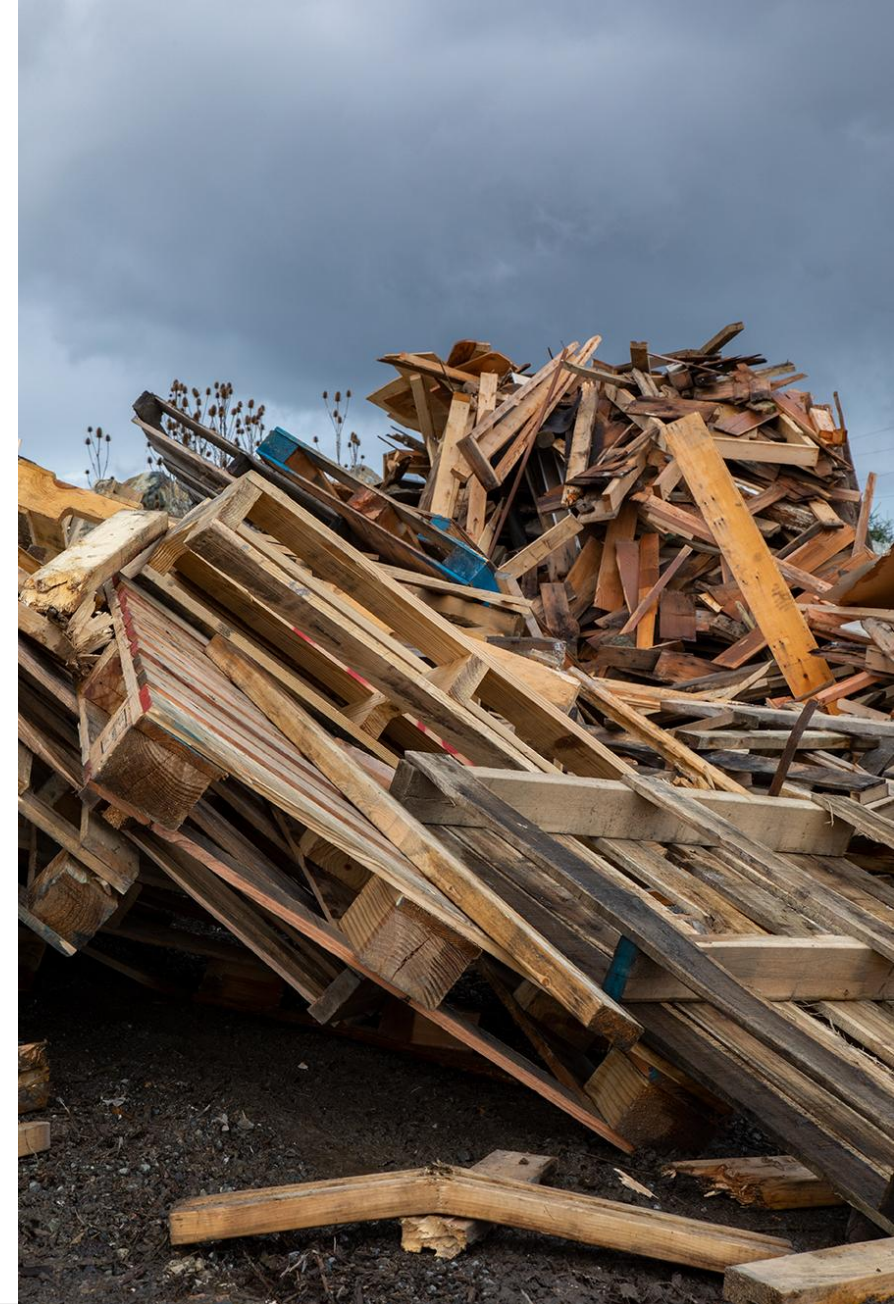


- Waste Diversion decreased \$1.1 million (~4%)
- Landfilling increased \$1.3 million (~9%)
- Energy Recovery increased \$1.3 million (~36%)

2025/2026 Operating Budget – Changes

Waste Diversion (-\$1.1 million)

- Reduced Hartland diversion program development expenditures including the new diversion initiatives such as the waste collector incentive program
- No significant impact anticipated to achieving the long-term Solid Waste Management Plan goals



2025/2026 Operating Budget - Significant Changes



Landfilling (+\$1.3 million, ~9%)

- Standard Overhead Allocation

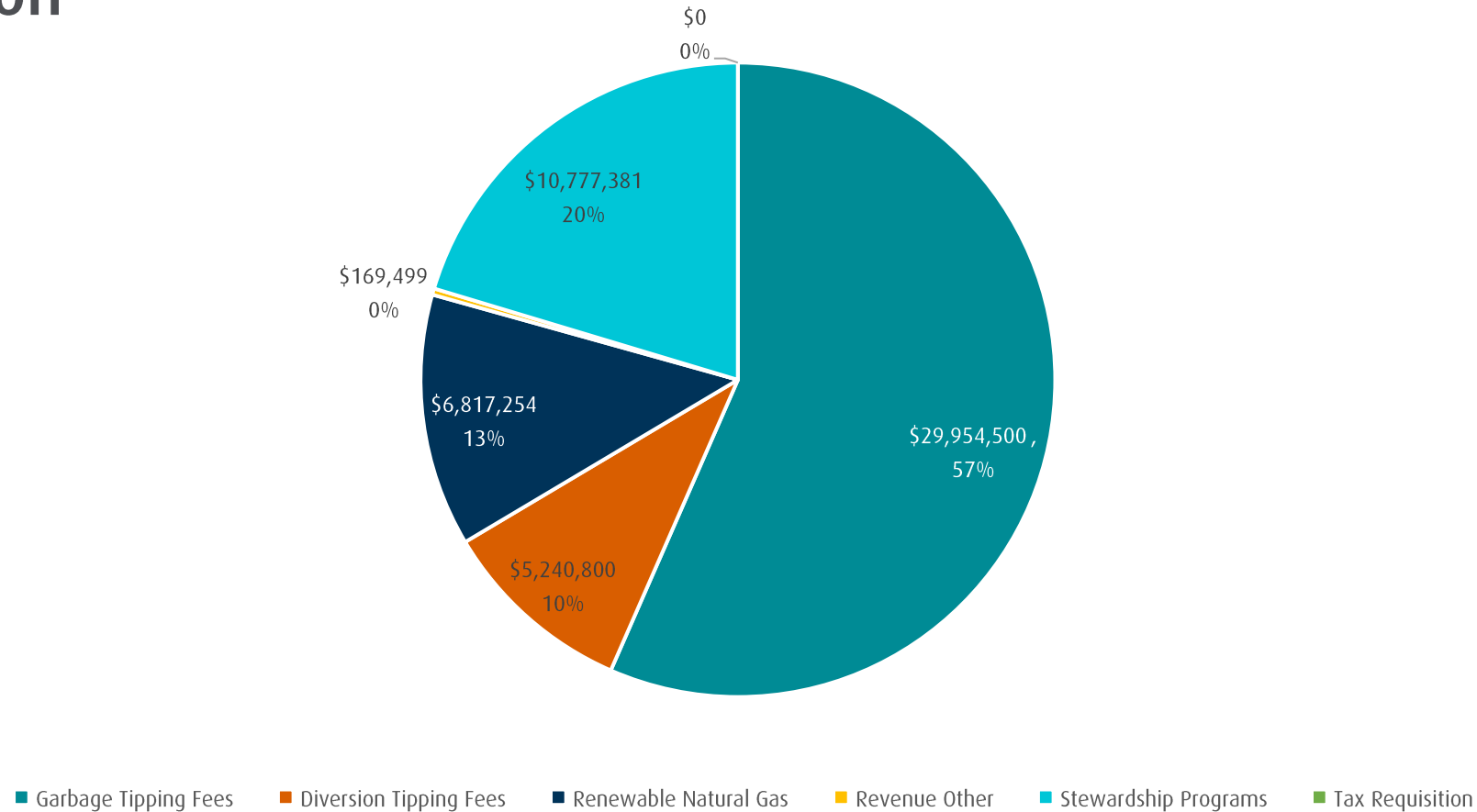
Energy Recovery Services (+\$1.3 million, ~36%)

- Annualization of RNG operating contract and utility usage



2026 Operating Budget Revenues

\$53 million



2025/2026 Operating Budget Revenues

+\$2.7 million - before reserve transfers and debt increases



Waste Diversion (+\$2.5 million) ~19%

- Blue Box revenue increase from Recycle BC, Recycling Tipping Fees, and Compost Tipping Fees

Landfilling (+\$0.1 million) ~0.4%

- Revenue from general refuse tipping fee increases

Energy Recovery (+\$0.1 million) ~2%

- Projected revenue from new RNG facility, based first full year of operation

2026 – Capital Budget

\$17.3 million



Ongoing capital (\$2.3 million)

- Aggregate production, progressive closure, electrical, Operating Certificate

Cell 4, 5 and 6 Preparation and North End Commercial Access Improvements (\$12.9 million)

- Design / install new liner, truck wheel wash, relocate shop

Renewable Natural Gas (\$1.2 million)

- Optimize and take advantage of excess biogas from the Residuals Treatment Facility

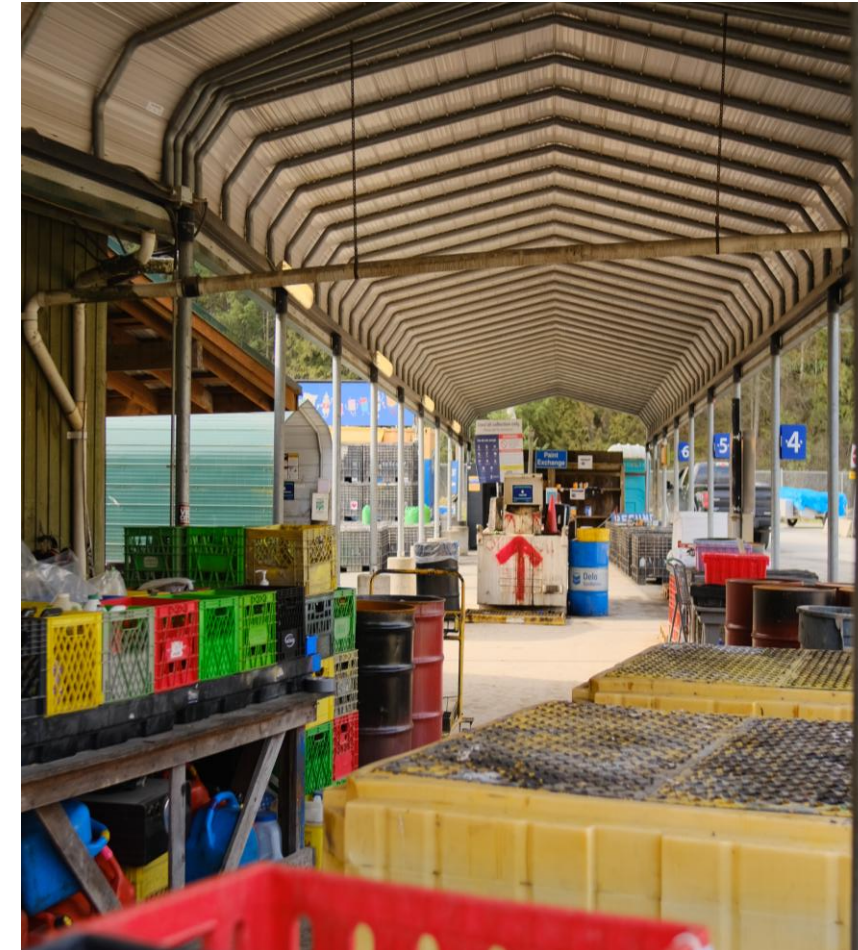
Progressive Closure of the Landfill (\$1 million)

- Final closure and interim cover of external faces

2026 Environmental Resource Management Operating & Capital Budget Summary



- 2025/26 Operating expenses +\$1.5 million ~3%
- 2025/26 ERM Revenues +\$2.7 million ~13%
 - Majority of revenue increase from Waste Diversion volumes
 - Minor increase from tipping fee revenue as waste per capita decrease significantly offset population increase / tip fee increase
- 2026 Capital Budget: \$17.3 million
- 2026 Capital Funding with ERM Reserves and Debt
- No tax requisition required to fund ERM budget





Thank you

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Capital Regional District



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