



Beyond Hartland 2050: Landfill Design Plan & Alternative Options

Environmental Services Committee
January 21, 2026

Agenda

1. Background
 - Regulatory
 - Hartland Landfill capacity
 - Solid Waste Management Plan
2. Alternative options and criteria
3. Recommended next steps



Background

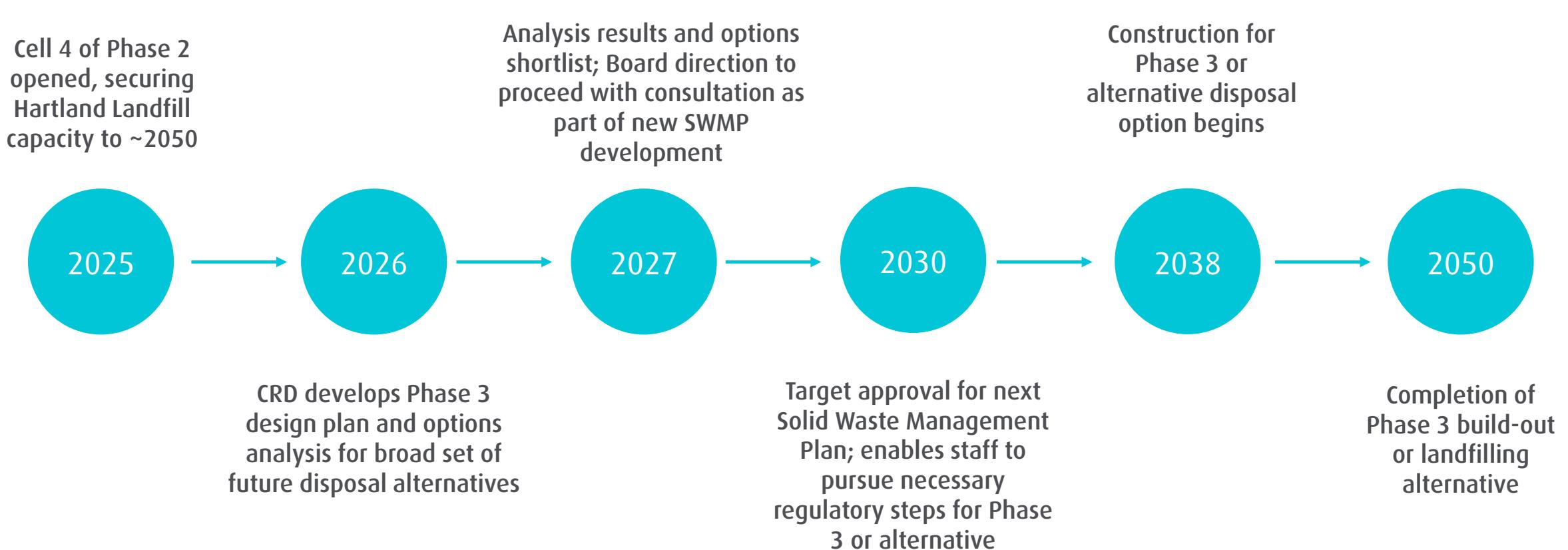
Regulatory

- In BC, regional districts are responsible for managing solid waste residuals
- The CRD must provide a safe, secure and sustainable option for regional solid waste in perpetuity



Background

Hartland Landfill capacity





Recovery and Residuals Management

Once material has been reduced, and technology has been applied to recover as much energy as possible, residuals management provides safe and effective way to manage materials that don't have a next and best use.



2021 Solid Waste Management Plan direction:

- Strategy 15C: “Develop design options that maximize the disposal capacity of Hartland Landfill to 2100 and beyond”
- Strategy 15D: “Conduct research, investigate and report out on emerging waste management technologies (including alternatives to landfilling such as integrated resource management and gasification)



Alternatives to Phase 3



- a) Siting a new landfill elsewhere in the region
- b) Building a thermal processing facility (at Hartland or off-site)
- c) Pursuing emerging waste technology options
- d) Exporting waste to out-of-region landfills

Evaluation criteria:

- 1) Environmental impact
- 2) Technology readiness
- 3) Economic feasibility
- 4) Regulatory requirements
- 5) Timeline to implement
- 6) Region-specific considerations

Planning approach



| Milestone | | 2026 | 2027 | 2028 | 2029 | 2030 |
|-----------|--|-------|-------|------|------|------|
| 1. | Hartland 2100 Design Plan and options analysis | Q2-Q4 | Q1 | | | |
| 2. | 2021 SWMP assessment and 2030 SWMP pre-planning | Q4 | Q1 | | | |
| 3. | <u>Report back to Board on Design Plan and options analysis</u> | | Q2 | | | |
| 4. | SWMP 2030 goals and target development and report back | | Q3-Q4 | | | |
| 5. | SWMP 2030 Phase I engagement: goals and targets | | | Q1 | | |
| 6. | Report back to Board on Phase I engagement results; draft plan | | | Q3 | | |
| 7. | SWMP 2030 Phase II engagement: strategies and actions | | | Q4 | Q1 | |
| 8. | CRD Board approval of 2030 SWMP; submission to Province for approval | | | | Q3 | |
| 9. | Begin regulatory updates and amendments, if required | | | | | Q2 |

Recommendations

1. That staff commission a conceptual design plan to build out Phase 3 of Hartland Landfill in alignment with Strategy 15 of the 2021 Solid Waste Management Plan;
2. That staff develop a comprehensive options analysis that outlines and evaluates a broad set of future waste disposal alternatives to landfilling at the Hartland site;
3. That staff include timely information on these planning activities in the scope of ongoing government-to-government conversations who have identified solid waste management as a topic of interest; and
4. That staff present the results of the above activities to the Board in 2027, including a shortlist of options to inform early development of the CRD's 2030 Solid Waste Management Plan.



Thank you

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