



Notice of Meeting and Meeting Agenda Environmental Services Committee

Wednesday, May 19, 2021

1:30 PM

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

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. [21-438](#) Minutes of the April 21, 2021 Environmental Services Committee Meeting

Recommendation: That the minutes of the Environmental Services Committee meeting of April 21, 2021 be adopted as circulated.

Attachments: [Minutes - April 21, 2021](#)

4. Chair's Remarks

5. Presentations/Delegations

6. Committee Business

6.1. [21-385](#) Amendment to Hartland Landfill Tipping Fee and Regulation Bylaw (Bylaw No. 3881)

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

1. That Bylaw No. 4420, "Hartland Tipping Fee and Regulation Bylaw No. 6, 2013, Amendment Bylaw No. 3, 2021", be introduced and read a first, second time and third time; and
2. That Bylaw No. 4420 be adopted.

Attachments: [Staff Report: Amendment to Hartland Landfill Tipping Fee & Regulation Bylaw](#)
[Appendix A: Bylaw No. 4420](#)

6.2. [21-384](#) Enerkem Facility Update

Recommendation: The Environmental Services Committee recommends to the Capital Regional District Board:
That this report be received for information.

Attachments: [Staff Report: Enerkem Facility Update](#)

7. Correspondence

8. New Business

9. Motion to Close the Meeting

9.1. [21-439](#) Motion to Close the Meeting

Recommendation: That the meeting be closed for Appointments in accordance with Section 90(1)(a) of the Community Charter.

10. Rise and Report

11. Adjournment

Next Meeting: June 16, 2021

Meeting Minutes

Environmental Services Committee

Wednesday, April 21, 2021

1:30 PM

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

PRESENT

Directors: B. Desjardins (Chair), N. Taylor (Vice Chair), D. Blackwell (EP), L. Helps (EP), M. Hicks (EP), G. Holman (EP), G. Orr (EP), C. Plant (Board Chair, ex-officio), J. Ranns (EP), K. Williams (EP)

Staff: R. Lapham, Chief Administrative Officer; L. Hutcheson, General Manager, Parks and Environmental Services; R. Smith, Senior Manager, Environmental Resource Management; M. Lagoa, Deputy Corporate Officer; S. Orr, Senior Committee Clerk (Recorder)

EP - Electronic Participation

Regrets: Director Windsor

Guests: R. Mersereau, B. Isitt

The meeting was called to order at 1:33 pm.

1. Territorial Acknowledgement

Director Taylor provided the Territorial Acknowledgement.

2. Approval of Agenda

MOVED by Director Plant, **SECONDED** by Director Orr,
That Director Mersereau be permitted to participate (without vote) in the April 21,
2021 Environmental Services Committee meeting.

CARRIED

MOVED by Director Plant, **SECONDED** by Director Taylor,
That the agenda for the April 21, 2021 Environmental Services Committee
meeting be approved.

CARRIED

3. Adoption of Minutes

- 3.1. [21-313](#) Minutes of the February 17, 2021 Environmental Services Committee meeting.

MOVED by Director Plant, **SECONDED** by Director Helps,
That the minutes of the Environmental Services Committee meeting of April 21,
2021 be adopted as circulated.
CARRIED

4. Chair's Remarks

The Chair had no remarks.

5. Presentations/Delegations

- 5.1. [21-320](#) Delegation - Hugh Stephens: Representing Mount Work Coalition: Re: Agenda Item 6.2.: Finalizing the Solid Waste Management Plan

H. Stephens spoke to the shortcomings in the Solid Waste Management Plan.

- 5.2. [21-321](#) Delegation - Daniel Kenway: Representing Willis Point Community Association: Re: Agenda Item 6.2.: Finalizing the Solid Waste Management Plan

D. Kenway provided a presentation in support of the Solid Waste Management Plan.

6. Committee Business

6.1. [21-274](#) Organics Processing Next Steps

L. Hutcheson spoke to item 6.1.

Discussion ensued regarding:

- Processing capacity
- Feedstock supply
- Soil productivity
- Potential impact on local governments approach to waste management
- Kitchen scraps hauling
- In-region hauling

The Chair thanked staff for their work.

Director Ranns left the meeting at 1:57 pm.

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

**That the Capital Regional District continue with the status quo of hauling and
processing organics to private sector facilities on lower/mid-island, and signal to
the market, through this resolution, that should the private sector establish an
in-region facility, the Capital Regional District would consider working with
municipalities to commit feedstock, pending pricing, greenhouse gas reductions,
odour, location, and other environmental considerations.**

CARRIED

6.2. [21-314](#) Finalizing the Solid Waste Management Plan

L. Hutcheson spoke to item 6.2.

Discussion ensued regarding:

- Education campaigns for local governments
- Hartland expansion
- Long term emission targets
- Plan update regularity

MOVED by Director Plant, **SECONDED** by Director Taylor,
That Director Isitt be permitted to participate (without vote) in the April 21, 2021
Environmental Services Committee meeting.

CARRIED

MOVED by Director Taylor, **SECONDED** by Director Williams,
That the Environmental Services Committee recommends to the Capital Regional
District Board:

- a) Refer the attached report from Zero Waste British Columbia dated February 10, 2021 to staff, to inform revisions to the Solid Waste Management Plan, and,
- b) Endorse the goal of the CRD becoming a national leader in Zero Waste and the Circular Economy in solid waste management.

CARRIED

MOVED by Director Taylor, **SECONDED** by Director Williams,
That the Board:

- c) Direct staff to strengthen the emphasis on the principles of Zero Waste and Circular Economy in the Solid Waste Management Plan, including in the waste-reduction targets within the plan.

DEFEATED

Opposed: Blackwell, Desjardins, Hicks, Holman, Orr, Plant

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

1. That the final draft Solid Waste Management Plan be approved, that the final draft plan be submitted to the Ministry of Environment and Climate Change Strategy for regulatory approval, that staff immediately begin implementing the Solid Waste Management Plan, and that the Solid Waste Advisory Committee begins to function as the Plan Monitoring Advisory Committee.

CARRIED

Opposed: Helps, Taylor

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

2. That staff work with the WSANEC Leadership Council to implement recommendations from their February 9, 2021 letter, including establishing a WSANEC Leadership Council/Capital Regional District negotiation table and related meeting schedule, and providing information regarding the Solid Waste Management Plan.

CARRIED

MOVED by Director Plant, **SECONDED** by Director Orr,

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

3. That staff prepare a package of Hartland area road access mitigation options costing up to \$4 million funded by the Capital Regional District's Environmental Resource Management division, review these options with District of Saanich staff and area residents, and return to the CRD Board for direction on next steps. [At the April 14, 2021 meeting, the CRD Board referred the following motion with notice to the Environmental Services Committee for consideration].

CARRIED

6.3. [21-273](#)

Landfill Gas Emissions Quantification at Hartland Landfill

G. Harris spoke to item 6.3.

Discussion ensued regarding landfill gas emissions.

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

That this report be received for information

CARRIED

6.4. [21-275](#)

Environmental Resource Management - 2020 Progress Report

R. Smith spoke to item 6.4.

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

That the Environmental Resource Management 2020 Progress Report be received for information.

CARRIED

6.5. [21-290](#)

Capital Regional District Climate Action - 2020 Annual Report

G. Harris spoke to item 6.5.

Discussion ensued regarding:

- Climate action strategy draft plan
- Adaptation planning
- Emissions for the Capital Regional Housing Corporation buildings
- Interim target planning
- Future climate action goals and policy development
- Operational and service funding

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

1. That the 2020 Climate Action Annual Report be received for information; and,
2. That staff complete all Climate Action Revenue Incentive Program reporting requirements and submit to the Province by the reporting deadline (currently June 1, 2021) and post on the CRD website.

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 Plant, **SECONDED** by Director Blackwell,
That the April 21, 2021 Environmental Services Committee meeting be adjourned
at 3:15 pm.
CARRIED

REPORT TO ENVIRONMENTAL SERVICES COMMITTEE
MEETING OF WEDNESDAY, MAY 19, 2021

SUBJECT **Amendment to the Hartland Landfill Tipping Fee and Regulation Bylaw (Bylaw No. 3881)**

ISSUE SUMMARY

To amend Bylaw No. 3881, the Hartland Landfill Tipping Fee and Regulation Bylaw No. 6, 2013, to adjust the kitchen scraps tipping fee rate.

BACKGROUND

At its meeting of March 10, 2021, the Capital Regional District (CRD) Board approved a motion directing that Bylaw No. 3881, the Hartland Landfill Tipping Fee and Regulation Bylaw No. 6, 2013 be amended to set the tipping fee rate for kitchen scraps at \$140 per tonne beginning January 1, 2022 to offset kitchen scraps hauling and processing costs. The amendment Bylaw No. 4420 can be found as Appendix A.

ALTERNATIVES

Alternative 1

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

1. That Bylaw No. 4420, "Hartland Tipping Fee and Regulation Bylaw No. 6, 2013, Amendment Bylaw No. 3, 2021", be introduced and read a first, second time and third time; and
2. That Bylaw No. 4420 be adopted.

Alternative 2

That staff come back with more information.

IMPLICATIONS

Financial Implications

Adjusting the tipping fee for kitchen scraps received at the Hartland landfill transfer station to \$140 per tonne will bring the revenues generated through the provision of this service into alignment with the costs of hauling and processing the material.

Intergovernmental Implications

Kitchen scraps collected by the municipalities of Esquimalt, Sidney and View Royal have historically been managed through CRD kitchen scraps hauling and processing contracts. Increasing the tipping fee for kitchen scraps under Alternative 1 will likely require these municipalities to increase the budgets for their programs, and delaying the increase in the fee

until January 1, 2022 should provide them with sufficient time to do so. Victoria, Oak Bay and Saanich have separate arrangements for the processing of their kitchen scraps.

Environmental Implications

The diversion of kitchen scraps for composting saves landfill space and reduces greenhouse gas emissions by avoiding methane generation as they decompose in the landfill. The finished compost produced from kitchen scraps can also help reduce the use of fossil-fuel based fertilizers when used in agriculture. The higher tipping fee posed under Alternative 1 may serve as a disincentive to divert kitchen scraps. Alternative 2 will help to facilitate the diversion of kitchen scraps by maintaining a subsidized kitchen scraps diversion option to both public and private haulers using the Hartland transfer station.

CONCLUSION

At its meeting of March 10, 2021, the Capital Regional District Board directed that the tipping fee rate for kitchen scraps be set at \$140 per tonne beginning January 1, 2022 to offset kitchen scraps hauling and processing costs. Approving the amendment to Bylaw 3881 will complete this directive and align kitchen scraps hauling and processing costs with the tipping fees levied to receive these materials at Hartland. Having the \$140 per tonne fee begin January 1, 2022 will allow sufficient time for both public and private sector users to adjust their budgets and/or fees in preparation for this change.

RECOMMENDATION

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

1. That Bylaw No. 4420, “Hartland Tipping Fee and Regulation Bylaw No. 6, 2013, Amendment Bylaw No. 3, 2021”, be introduced and read a first, second time and third time; and
2. That Bylaw No. 4420 be adopted.

Submitted by:	Russ Smith, Senior Manager, Environmental Resource Management
Concurrence:	Larisa Hutcheson, P. Eng., General Manager, Parks & Environmental Services
Concurrence:	Kristen Morley, J.D., General Manager, Corporate Services & Corporate Officer
Concurrence:	Robert Lapham, MCIP, RPP, Chief Administrative Officer

ATTACHMENT

Appendix A: Bylaw No. 4420, Hartland Landfill Tipping Fee and Regulation Bylaw No. 6, 2013, Amendment Bylaw No. 3, 2021

CAPITAL REGIONAL DISTRICT

BYLAW NO. 4420

**A BYLAW TO AMEND BYLAW NO. 3881 BEING "HARTLAND LANDFILL TIPPING FEE
AND REGULATION BYLAW NO. 6, 2013, AMENDMENT BYLAW NO. 3, 2021"**

WHEREAS the Board of the Capital Regional District wishes to change the tipping fee levied for Kitchen Scraps at the Hartland landfill;

NOW THEREFORE the Board of the Capital Regional District in open meeting assembled enacts as follows:

1. Bylaw No. 3881, "Hartland Landfill Tipping Fee and Regulation Bylaw No. 6, 2013", is amended by replacing Schedule "C" with the Schedule "C" attached to this bylaw.
2. This bylaw may be cited for all purposes as "Hartland Landfill Tipping Fee and Regulation Bylaw No. 6, 2013, Amendment Bylaw No. 3, 2021".

READ A FIRST TIME THIS	th	day of	20__
READ A SECOND TIME THIS	th	day of	20__
READ A THIRD TIME THIS	th	day of	20__
ADOPTED THIS	th	day of	20__

CHAIR

CORPORATE OFFICER

SCHEDULE "C"**TIPPING FEES****CAPITAL REGIONAL DISTRICT****BYLAW NO. 3881****FEES**

1. The fees for depositing solid waste at the Disposal Site are:

Waste Type	Disposal Site Designated Location	Tipping Fee (per tonne)	Other Fees	Minimum Tipping Fee
Asbestos Containing Material	As directed by CRD staff	\$157		\$20
Bicycle tires and tubes	Public Drop Off Area	No fee	\$6 recycling area entry fee	No fee
Bulky Waste	Active Face	\$254		\$10
Clean Wood Waste	As directed by CRD staff	\$110	\$10 bin fee	
Controlled Waste	As directed by CRD staff	As listed in Schedule "E"		\$20
Cooking oil and grease	Public Drop Off Area	No fee		No fee
Extended Producer Responsibility Product listed in Schedule "G" (excluding tires on rims)	Public Drop Off Area	No fee		No fee
Extended Producer Responsibility Product listed in Schedule "G" tires on rims	Public Drop Off Area	No fee	\$6 recycling area entry fee	No fee
Household Hazardous Waste	Public Drop Off Area	No fee		No fee
Kitchen Scraps until December 31, 2021	Kitchen Scraps Transfer Station	\$120		
Kitchen Scraps effective January 1, 2022	Kitchen Scraps Transfer Station	\$140		

Waste Type	Disposal Site Designated Location	Tipping Fee (per tonne)	Other Fees	Minimum Tipping Fee
Mattresses and boxsprings	Public Drop Off Area	\$110	\$10 bin fee	
Propane tanks and fire extinguishers	Public Drop Off Area	No fee		No fee
Recyclable Material excluding Scrap Metal, mattresses and boxsprings, Yard and Garden Material and Clean Wood Waste (by non-commercial hauler)	Public Drop Off Area	No fee	\$6 recycling area entry fee \$20 per white good which contains or contained refrigerant	No fee
Recyclable Material excluding Scrap Metal, mattresses and boxsprings, Yard and Garden Material and Clean Wood Waste (by Commercial Hauler)	Public Drop Off Area	No fee	\$26 recycling area entry fee \$20 per white good which contains or contained refrigerant	No fee
Refuse	Active Face	\$110		\$10
Refuse	Public Drop Off Area	\$110	\$10 bin fee	
Scrap Metal	Public Drop Off Area	No fee	No fee	
Small Load Uncontaminated Demolition Waste	Public Drop Off Area	\$110	\$10 bin fee	
Stumps and Branches	As directed by CRD staff	\$110		\$10
Waste Asbestos which originates outside the CRD until December 31, 2016	As directed by CRD staff	\$311		\$20
Waste Asbestos which originates outside the CRD effective January 1, 2017	As directed by CRD staff	\$500		\$20
Weeds (Source separated)	Active Face	\$59		\$10
Weeds (not Source –separated in Refuse)	Active Face	\$110		\$10
Weeds (not Source –separated in Refuse)	Public Drop Off Area	\$110	\$10 bin fee	
Weeds (Source separated)	Public Drop Off Area	\$59		\$10
Yard and Garden Materials	As directed by CRD staff	\$59		\$10
Uncovered or unsecured loads	All fees applicable to the Load are doubled			

**REPORT TO ENVIRONMENTAL SERVICES COMMITTEE
MEETING OF WEDNESDAY, MAY 19, 2021**

SUBJECT **Enerkem Facility Update**

ISSUE SUMMARY

To provide an update on Capital Regional District (CRD) staff discussions with Enerkem regarding suitability of its Integrated Resource Management waste-to-energy technology for the capital region.

BACKGROUND

At the October 21, 2020 meeting, staff provided the Environmental Services Committee with information on the Enerkem waste-to-energy technology that is currently operating at the Alberta Biofuels Demonstration Facility in Edmonton. It was identified that the CRD would need to enter into a non-disclosure agreement to obtain further information about the Enerkem technology, process effectiveness and costs, and staff were directed to do so.

Staff have subsequently met with Enerkem to obtain further information about the technology. A non-disclosure agreement was signed in January 2021, and staff met with an Enerkem representative in early 2021 for a high-level business model discussion.

Enerkem evaluated that the feedstock quantities in the region are not enough for its standard system and, combined with the lack of existing industrial infrastructure nearby, the conditions would not allow the bio-refinery project to be viable.

Strategy 15 of the new Solid Waste Management Plan commits the CRD to continuing to conduct research, investigate and report out on emerging waste management technologies, including alternatives to landfilling, such as Integrated Resource Management and gasification. As the Solid Waste Management Plan is implemented, staff will return to the committee with next steps for further investigation into emerging waste management technologies.

CONCLUSION

Staff have met with representatives from Enerkem who have confirmed that the Capital Regional District's feedstock availability, and level of local industrial activity, make the CRD an unsuitable location for Enerkem technology at this time. Staff continue to research and investigate emerging waste management technologies and will return to the committee for direction regarding next steps for further investigation during implementation of the Solid Waste Management Plan.

RECOMMENDATION

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

That this report be received for information.

Submitted by:	Russ Smith, Senior Manager, Environmental Resource Management
Concurrence:	Larisa Hutcheson, P. Eng., General Manager, Parks & Environmental Services
Concurrence:	Robert Lapham, MCIP, RPP, Chief Administrative Officer