



Notice of Meeting and Meeting Agenda Environmental Services Committee

Wednesday, June 15, 2022

1:30 PM

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

B. Desjardins (Chair), N. Taylor (Vice Chair), D. Blackwell, L. Helps, M. Hicks, G. Holman, G. Orr, J. Ranns, K. Williams, R. Windsor, C. Plant (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. [22-402](#) Minutes of the May 18, 2022 Environmental Services Committee meeting

Recommendation: That the minutes of the Environmental Services Committee meeting of May 18, 2022 be adopted as circulated.

Attachments: [Minutes - May 18, 2022](#)

4. Chair's Remarks

5. Presentations/Delegations

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

Delegations will have the option to participate electronically. Please complete the online application for "Addressing the Board" on our website 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.

5.1. [22-405](#) Delegation - Marg Gardiner; Representing Fair Sailing, an initiative of the James Bay Neighbourhood Association: Re: Agenda Item 6.2.: Disposal of International Cruise Ship Waste at Hartland Landfill - Follow-up

6. Committee Business

- 6.1.** [22-373](#) Construction, Renovation and Demolition Waste - Thermal Pilot
- Recommendation:** The Environmental Services Committee recommends to the Capital Regional District Board:
That staff proceed with next steps to conduct research, investigate and report out on emerging waste management technologies, including a short-term pilot of thermal destruction of construction, renovation and demolition waste at Lafarge.
- Attachments:** [Staff Report: Construction, Renovation & Demolition Waste - Thermal Pilot](#)
[Appendix A: Results of Biosolids Feasibility and Financial Implications](#)
- 6.2.** [22-386](#) Disposal of International Cruise Ship Waste at Hartland Landfill - Follow-up
- Recommendation:** That the Environmental Services Committee recommends to the Capital Regional District Board:
That the Hartland Landfill tipping fee for international high risk cruise ship waste be increased to \$500 per tonne beginning January 1, 2024.
- Attachments:** [Staff Report: Disposal of International Cruise Ship Waste at Hartland Landfill](#)
- 6.3.** [22-387](#) Bylaw No. 4491, "Capital Regional District Climate Action and Adaptation Service Establishment Bylaw, 2008, Amendment Bylaw No. 3, 2022"
- Recommendation:** That the Environmental Services Committee recommends to the Capital Regional District Board:
1. That Bylaw No. 4491, "Capital Regional District Climate Action and Adaptation Service Establishment Bylaw, 2008, Amendment Bylaw No. 3, 2022", be introduced and read a first, second, and third time;
2. That staff be directed to proceed with elector approval by way of Municipal Council and Electoral Area Director consent; and
3. That Bylaw No. 4491 be referred to the Inspector of Municipalities for approval.
- Attachments:** [Staff Report: Bylaw No. 4491, Amendment to CRD Climate Action & Adaptation](#)
[Appendix A: District of Central Saanich \(December 8, 2021\)](#)
[Appendix B: Bylaw No. 4491](#)
- 6.4.** [22-398](#) Union of BC Municipalities Community Emergency Preparedness Fund - Extreme Heat Risk Mapping, Assessment and Planning - Capital Region Heat Vulnerability Dashboard Project
- Recommendation:** That the Environmental Services Committee recommends to the Capital Regional District Board:
That the CRD Board support an application to the Union of BC Municipalities Community Emergency Preparedness Fund - Extreme Heat Risk Mapping, Assessment and Planning Grant to support the CRD as the regional lead (primary applicant) for the Capital Region Heat Vulnerability Dashboard Project, and direct staff to provide for overall grant management, including apply for, receive, and manage the grant funding.
- Attachments:** [Staff Report: UBCM Community Emergency Preparedness Fund](#)

7. Notice(s) of Motion

8. New Business

9. Adjournment

The next meeting is September 28, 2022.

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

Meeting Minutes

Environmental Services Committee

Wednesday, May 18, 2022

1:30 PM

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

PRESENT:

B. Desjardins (Chair), N. Taylor (Vice Chair), D. Blackwell, L. Helps, M. Hicks (EP), G. Holman (EP), G. Orr, J. Ranns (1:32 pm), K. Williams (EP), R. Windsor (EP)

Staff: L. Hutcheson, General Manager, Parks and Environmental Services; G. Harris, Senior Manager, Environmental Protection; R. Smith, Senior Manager, Environmental Resource Management; N. Elliott, Manager, Climate Action Programs; M. Lagoa, Deputy Corporate Officer; J. Dorman, Committee Clerk (Recorder)

EP - Electronic Participation

Regrets: Director C. Plant (Board Chair, ex-officio)

The meeting was called to order at 1:30 pm.

1. Territorial Acknowledgement

Vice Chair Taylor provided a Territorial Acknowledgement.

2. Approval of Agenda

MOVED by Director Helps, **SECONDED** by Director Blackwell,
That the agenda for the May 18, 2022 Environmental Services Committee meeting
be approved as amended to address Item 6.4. before Item 6.1.
CARRIED

3. Adoption of Minutes

3.1. [22-333](#) Minutes of the April 20, 2022 Environmental Services Committee Meeting

MOVED by Director Blackwell, **SECONDED** by Director Taylor,
That the minutes of the Environmental Services Committee meeting of April 20,
2022 be adopted as circulated.
CARRIED

4. Chair's Remarks

Chair Desjardins spoke on the transition period for the Solid Waste Advisory Committee, even though there has been some turnover, the group is enthusiastic and has an incredible diversity of different backgrounds. During a tour of the Hartland Landfill the group was engaged, asking constructive questions and brought a significant perspective on things.

5. Presentations/Delegations

There were no presentations or delegations.

6. Committee Business

6.4. [22-321](#) Goose Management Update

G. Harris spoke to Item 6.4.

Discussion ensued on the following:

- incorporation into the provisional budget for 2023
- provincial participation and jurisdiction of service
- Ministry of Agriculture and Ministry of Environment support
- consent process and unanimity of regional or sub-regional service
- contract out service versus staff facilitation
- partnerships with non-profit agencies, First Nations and stewardships
- future incorporation of deer in management plan

MOVED by Director Hicks, **SECONDED** by Director Ranns,

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

That staff bring back a report outlining costs for a Canada Goose Management Service.

CARRIED

6.1. [22-311](#) Curbside Blue Box Recycling - 2024 and Beyond

R. Smith spoke to Item 6.1.

Discussion ensued on the following:

- anticipation of impacts from procurement policy
- adverse risk on deliverables and potential penalties in contract
- financial requisition impacts and sustainability reserve
- consideration for new design of blue boxes

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

- 1. That staff be directed to issue a Request for Proposals for a six-year contract for Board approval to provide residential curbside blue box collection, from January 1, 2024 to December 31, 2029;**
- 2. That staff be directed to return to the Environmental Services Committee and the Capital Regional District Board for direction prior to awarding the Request for Proposals; and**
- 3. That staff accept the Recycle BC one-year extension to their current agreement with the CRD to provide service to the end of 2024, and then enter into a new five-year agreement with Recycle BC to provide residential curbside recycling services for the capital region on its behalf for January 1, 2025 to December 31, 2029.**

MOVED by Director Helps, **SECONDED** by Director Taylor

That the motion be amended in 1. to add the words "and include in the RFP incentives or a scoring system to increase the likelihood of the provision of low or zero emission collection vehicles".

CARRIED

The question was called on the main motion as amended.

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

- 1. That staff be directed to issue a Request for Proposals for a six-year contract for Board approval to provide residential curbside blue box collection, from January 1, 2024 to December 31, 2029 and include in the RFP incentives or a scoring system to increase the likelihood of the provision of low or zero emission collection vehicles;**
- 2. That staff be directed to return to the Environmental Services Committee and the Capital Regional District Board for direction prior to awarding the Request for Proposals; and**
- 3. That staff accept the Recycle BC one-year extension to their current agreement with the CRD to provide service to the end of 2024, and then enter into a new five-year agreement with Recycle BC to provide residential curbside recycling services for the capital region on its behalf for January 1, 2025 to December 31, 2029.**

CARRIED

6.2. [22-312](#) Disposal of International Cruise Ship Waste at Hartland Landfill

R. Smith presented Item 6.2. for information.

Discussion ensued on the following:

- classification of materials
- recyclable material disposal
- high risk material treatment and classification
- high waste classification tipping fees

6.3. [22-325](#) Clean BC Communities Fund Grant Application - Clean Energy
Transportation - Public Electric Vehicle Infrastructure Project

N. Elliott spoke to Item 6.3.

Discussion ensued on the following:

- fast charger preclusions
- anticipated user charges

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

- 1. That staff be authorized to submit the Regional Public Electric Vehicle Charging Network project to the Investing in Canada Infrastructure Program's CleanBC Communities Fund grant program on behalf of the participating local governments and First Nations;**
- 2. That the Capital Regional District participate in the regional charging network by supplying sites found in Appendix A; and**
- 3. That up to \$725,000 be assigned from the previously approved 2022-2026 climate action service financial plan for up to 175 public level 2 EV charging ports across the region, as well as a commitment to any associated ineligible costs and cost overruns.**

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 Blackwell, SECONDED by Director Helps,
That the May 18, 2022 Environmental Services Committee meeting be adjourned
at 2:33 pm.**

CARRIED

CHAIR

RECORDER

**REPORT TO ENVIRONMENTAL SERVICES COMMITTEE
MEETING OF WEDNESDAY, JUNE 15, 2022**

SUBJECT **Construction, Renovation and Demolition Waste – Thermal Pilot**

ISSUE SUMMARY

To provide an update on the beneficial use of construction, renovation and demolition waste.

BACKGROUND

At the March 30, 2022 Environmental Services Committee (ESC) meeting, staff were directed to return to the ESC with financial implications, timing and resource requirements to trial the beneficial use of construction, renovation and demolition (CR&D) waste with Lafarge, and existing biosolids thermal processing proponents, along with new thermal technology vendors. CR&D waste includes wood and wood products, asphalt shingles, carpet, underlay and other flooring, and accounted for an estimated 31,200 tonnes in 2021, or approximately 19.5% of the material received at Hartland Landfill.

Staff have met with representatives from the biosolids thermal pilot vendors, and while initial discussions indicated that a trial with proponents participating within the biosolids thermal pilots may be possible, the vendors subsequently identified permitting and technical feasibility issues that will not allow the addition of new sources of feedstock to the existing thermal pilots. However, pre-processed CR&D waste could be sent to Lafarge for thermal processing.

At the April 20, 2022 ESC meeting, staff presented new policies that will divert materials from the landfill in support of meeting the Solid Waste Management Plan targets. These policies will result in new material streams diverted from general refuse. In the short term, these materials will be processed at Hartland on site, or by the private sector. In the longer term, these materials present a new feedstock stream that will need to be recycled, repurposed or recovered in support of a circular economy.

The Capital Regional District's (CRD) Solid Waste Management Plan strategy 15d commits the CRD to conduct research, investigate and report out on emerging waste management technologies, including alternatives to landfilling, such as integrated resource management and gasification.

ALTERNATIVES

Alternative 1

The Environmental Services Committee recommends to the Capital Regional District Board: That staff proceed with next steps to conduct research, investigate and report out on emerging waste management technologies, including a short-term pilot of thermal destruction of construction, renovation and demolition waste at Lafarge.

Alternative 2

That this report be referred back to staff for more information.

IMPLICATIONS

Financial Implications

The cost to trial CR&D waste at Lafarge is estimated to be \$232/tonne, which represents a loss for direct revenue at \$110/tonne tipping fees, but a surplus when the cost of creating air space is accounted for.

Alignment with Existing Plans & Strategies

The CRD’s Solid Waste Management Plan, approved by the Board in May 2021, targets an annual disposal rate of 250 kg per capita by 2031. The pilot of beneficial use opportunities investigation of thermal treatment of CR&D waste could support the region in meeting the Solid Waste Management Plan targets.

CONCLUSION

The CRD’s Solid Waste Management Plan strategy 15d commits the CRD to conduct research, investigate and report out on emerging waste management technologies, including alternatives to landfilling, such as integrated resource management and gasification. Staff are initiating a process of research, investigation and reporting on municipal solid waste processing alternatives that mirrors the process the CRD is following to plan for long-term management of biosolids.

RECOMMENDATION

The Environmental Services Committee recommends to the Capital Regional District Board: That staff proceed with next steps to conduct research, investigate and report out on emerging waste management technologies, including a short-term pilot of thermal destruction of construction, renovation and demolition waste at Lafarge.

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

ATTACHMENT

Appendix A: Results of Biosolids Feasibility and Financial Implications

RESULTS OF BIOSOLIDS FEASIBILITY AND FINANCIAL IMPLICATIONS

Capital Regional District (CRD) staff worked with existing biosolids thermal treatment vendors to investigate adding construction, renovation and demolition (CR&D) waste to the upcoming biosolids thermal pilots. While vendors indicated it was technically feasible to thermally treat CR&D waste using the technology being applied to the biosolids, it was determined that due to permitting and logistics, adding CR&D waste to the upcoming biosolids thermal pilot trials was not possible.

- **Char Technologies:** CharTech's pilot pyrolysis facility is scheduled to move to a new location in August 2022. Adding CR&D waste to the biosolids thermal pilot would require a permit amendment. There is not sufficient time to amend the permit and run a pilot test on combined CR&D waste before August. CharTech indicated that it has run previous trials on CR&D wood, and would be open to sharing this data with the CRD.
- **Waste Management:** Waste Management is confident that its pyrolysis system could pyrolyze CR&D waste, but is unable to pilot CR&D waste at its Redwood City, California facility due to operational and permitting reasons. Waste Management is open to further exploration of the pyrolysis of CR&D waste.
- **Aries Clean Technologies:** Aries is unable to pilot the gasification of CR&D waste at its Linden Biosolids Gasification Facility, as its permit does not allow for it. The pilot test for biosolids has been delayed due to commissioning issues at the facility.

Using CR&D waste as an alternative fuel in the Lafarge cement kiln in Richmond was investigated. The estimated cost to grind, transport and process CR&D waste at Lafarge is \$232/tonne.



**REPORT TO ENVIRONMENTAL SERVICES COMMITTEE
MEETING OF WEDNESDAY, JUNE 15, 2022**

SUBJECT **Disposal of International Cruise Ship Waste at Hartland Landfill – Follow-up**

ISSUE SUMMARY

To provide the Environmental Services Committee (ESC) with additional information regarding the disposal of international cruise ship waste at Hartland Landfill, and seek direction on the tipping fee charged to receive it.

BACKGROUND

While considering an Information Report regarding the disposal of international cruise ship waste at Hartland Landfill at its May 18, 2022 meeting, the ESC raised questions with respect to:

1. What portion, if any, of cruise ship waste is diverted for recycling prior to being shipped to Hartland for disposal;
2. How cruise ship waste is classified as either high risk or low risk;
3. Whether increasing the tipping fee for cruise ship waste might impact the quantity of cruise ship waste being brought to Hartland Landfill for disposal.

With regard to the diversion of materials for recycling, the firm managing cruise ship waste reports that historically, approximately 85% of all cruise ship waste being received in Victoria is recycled, with only residuals being sent to the landfill. There is no data yet available for cruise ships visiting Victoria in 2022.

In Canada, international waste is managed in accordance with the federal International Waste Directive and applies to waste removed from ships arriving in Canada from overseas. The Canada Border Services Agency (CBSA) is responsible for the control, monitoring and disposal of international waste, while program design and approval of disposal routes and sites is the responsibility of Canadian Food Inspection Agency (CFIA). It is understood that CBSA staff, through inspecting loads of waste being offloaded, have the discretion of designating the waste as either high risk or low risk, depending on a number of parameters such as its composition and origin. As a precaution, any waste that is not inspected is deemed to be high risk, and must be managed as such. High risk waste being received at Hartland is subject to immediate deep burial in controlled waste trenches. Conversely, low risk waste can be managed along with other refuse and is typically placed at the bottom of the active face and covered with other garbage.

The International Waste Directive does not require cruise ships to offload their waste upon docking at the first or any port of call in Canada, the decision whether to offload is at the discretion of the ship. However, given the limited storage space on cruise ships, regular offloading of waste is often a logistical necessity, including in Victoria. This is particularly true when considering that Victoria is often the only Canadian port of call for Alaska cruises.

ALTERNATIVES

Alternative 1

The Environmental Services Committee recommends to the Capital Regional District Board: That the Hartland Landfill tipping fee for international high risk cruise ship waste be increased to \$500 per tonne beginning January 1, 2024.

Alternative 2

That the Hartland Landfill tipping fee for international high risk cruise ship waste be increased to \$340 per tonne beginning January 1, 2024.

Alternative 3

That the Hartland Landfill tipping fees for cruise ship waste remain unchanged.

IMPLICATIONS

Environmental & Climate Implications

Establishing a \$500 per tonne disposal fee for high risk cruise ship waste, may incent additional recycling and waste diversion efforts by the cruise ship industry, and/or result in them seeking alternate means of disposing of their waste which would save space at Hartland for other controlled waste.

Financial Implications

All cruise ship waste, whether high or low risk, is currently subject to the controlled waste tipping fee of \$157 per tonne. This rate is believed to be appropriate for low risk waste, as it can be disposed and compacted along with regular refuse, and so does not consume an inordinate quantity of landfill space. However, high risk waste must be deep buried in controlled waste trenches and covered with a minimum of one metre of low permeability clay. Staff believe the value of the consumed landfill air space, combined with operational cost of managing the waste, exceeds the \$157 per tonne being paid to dispose of it.

For comparison purposes, the only other waste that is accepted at Hartland from out of region is asbestos. Out of region asbestos is managed in the same manner as high risk cruise ship waste but it is subject to a tipping fee of \$500 per tonne in order to reflect the full cost of managing it and the value of the landfill space it consumes.

Since asbestos and controlled wastes cannot be compacted and must be covered a minimum of one metre of clay in order to meet provincial and/or CFIA requirements, they consume landfill air space at an estimated ratio of 3.1 to 1 as compared to regular garbage. Disposing asbestos and controlled wastes also results in additional staff and contractor costs associated with managing disposal enquiries, appointments, additional safety procedures, spotting deliveries and immediate covering.

In considering the 3.1 to 1 air space consumption ratio, the tipping fee for high risk cruise waste should more appropriately be set at \$340 per tonne. If the additional costs associated with managing the material is also considered, then staff believe that high risk cruise ship waste should be subject to the same \$500 per tonne fee that is levied on out of region asbestos.

In 2019, Hartland Landfill received approximately 2,100 tonnes of cruise ship waste, of which approximately 30%, or about 600 tonnes, was designated as high risk. Assuming it is an average year, it is estimated that a \$500 per tonne tipping fee for high risk waste would represent an increase in disposal costs for the cruise industry (and revenue to the CRD) of approximately \$200,000 per year.

In conferring with staff from the Greater Victoria Harbour Authority, they have indicated that cruise ship prices have already been set for 2023 and therefore requested that any changes to disposal fees be set to come into effect in 2024 or later.

Service Delivery Implications

In 2019, Hartland Landfill received approximately 2,100 tonnes of cruise ship waste. In 2020 and 2021, no cruise ship waste was received due to the pandemic. Up to the end of April 2022, approximately 20 tonnes of cruise ship waste has been received, all of which was deemed high risk. Managing high risk cruise ship waste consumes specially prepared controlled waste trench space that could otherwise be used to dispose of other controlled wastes.

CONCLUSION

At its May 18, 2022 meeting, the Environmental Services Committee received an Information Report regarding the disposal of international cruise ship waste, and raised questions with respect to cruise ship waste recycling, the process of classifying it as either low or high risk, and the disposal fee rates being charged to receive it. In view of both the operational and landfill space costs associated with managing high risk cruise ship waste, staff believe the fee charged to receive this waste is too low. The increased tipping fee requires a bylaw change and would come into effect in January 2024.

RECOMMENDATION

The Environmental Services Committee recommends to the Capital Regional District Board: That the Hartland Landfill tipping fee for international high risk cruise ship waste be increased to \$500 per tonne beginning January 1, 2024.

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

**REPORT TO ENVIRONMENTAL SERVICES COMMITTEE
MEETING OF WEDNESDAY, JUNE 15, 2022**

SUBJECT **Bylaw No. 4491, “Capital Regional District Climate Action and Adaptation Service Establishment Bylaw, 2008, Amendment Bylaw No. 3, 2022”**

ISSUE SUMMARY

Withdrawal of the District of Central Saanich from the Capital Regional District (CRD) Climate Action and Adaptation Service.

BACKGROUND

The Climate Action Program (the Program) was developed through the Climate Action and Adaptation Service Establishment Bylaw, 2008 (Bylaw No. 3510). The CRD Climate Action Service facilitates regional coordination on climate action and provides direct support to municipalities, electoral areas and the CRD in achieving their objectives to reduce energy use and greenhouse gas emissions and prepare for climate change impacts. Staff also provide technical data and scientific expertise, disseminate information and engage community stakeholders on climate-related issues. Since 2008, this has been a fully regional service, funded through annual CRD tax requisition. Program dollars have also been supplemented by external grants to fund a range of regional initiatives.

In late 2021, the CRD initiated a consent municipal process associated with Bylaw No. 4468, “Capital Regional District Climate Action and Adaptation Service Establishment Bylaw, 2008, Amendment Bylaw No. 2, 2021”, seeking an allowance to increase the service’s requisition limit to accommodate increased service levels associated with implementation of the CRD’s renewed Climate Action Strategy. All local governments in the region provided consent, except for the District of Central Saanich, which requested to withdraw from the service entirely (see Appendix A). This would begin in 2023. The withdrawal triggers a bylaw amendment, budget adjustments and associated participant approval process.

The proposed bylaw (Appendix B) amends Bylaw No. 3510 to remove the District of Central Saanich from the CRD Climate Action and Adaptation Service. Pursuant to Section 349 of the *Local Government Act*, this bylaw amendment requires the consent of at least two-thirds of the participating area municipalities and electoral areas.

ALTERNATIVES

Alternative 1

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

1. That Bylaw No. 4491, “Capital Regional District Climate Action and Adaptation Service Establishment Bylaw, 2008, Amendment Bylaw No. 3, 2022”, be introduced and read a first, second, and third time;
2. That staff be directed to proceed with elector approval by way of Municipal Council and Electoral Area Director consent; and
3. That Bylaw No. 4491 be referred to the Inspector of Municipalities for approval.

Alternative 2

That Bylaw No. 4491 be deferred pending further information from staff.

IMPLICATIONS

Intergovernmental & Service Delivery Implications

With removal from the service, starting in 2023, Central Saanich staff and elected officials will no longer participate in the CRD Inter-Municipal Working Group or Task Force, nor participate in programs, policy initiatives or studies that the service often leads on behalf of municipalities and electoral areas. This includes regional greenhouse gas inventories, future iterations of sea level rise or other climate vulnerability mapping exercises, CRD coordinated policy efforts related to new developments and retrofits, the forthcoming regional energy retrofit program, additional programming to advance a public electric vehicle charging network, and having direct access to CRD staff content experts and participating in CRD-led capacity-building endeavors. Further, as Central Saanich will not be able to participate in regional scale grant applications for new or emergent opportunities, staff will need to make qualifications in applications clarifying their participation.

Financial Implications

In 2023, the District of Central Saanich's contribution to the CRD Climate Action and Adaptation Service is estimated to be approximately \$74,000. With removal from the service, the rest of the region's municipalities, electoral areas and participating First Nations will see an increase of their planned contribution to the service by 4.5% each.

Legislative Implications

Modifications to an establishing bylaw require two-thirds consent of participants, and the approval of the Inspector of Municipalities. The most cost-effective method is consent on behalf by municipal councils and consent in writing by electoral area directors per sections 346 and 347 of the *Local Government Act*.

CONCLUSION

The District of Central Saanich has requested to withdraw from the regional Climate Action and Adaptation Service starting in 2023, which triggers a bylaw amendment. Pursuant to Section 349 of the *Local Government Act*, a bylaw amendment requires the consent of at least two-thirds of the participating area municipalities and electoral areas, as well as Inspector of Municipalities approval.

RECOMMENDATION

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

1. That Bylaw No. 4491, "Capital Regional District Climate Action and Adaptation Service Establishment Bylaw, 2008, Amendment Bylaw No. 3, 2022", be introduced and read a first, second, and third time;
2. That staff be directed to proceed with elector approval by way of Municipal Council and Electoral Area Director consent; and
3. That Bylaw No. 4491 be referred to the Inspector of Municipalities for approval.

Submitted by:	Nikki Elliott, Manager, Climate Action Programs
Concurrence:	Larisa Hutcheson, P.Eng., General Manager, Parks & Environmental Services
Concurrence:	Kristen Morley, General Manager, Corporate Services
Concurrence:	Robert Lapham, MCIP, RPP, Chief Administrative Officer

ATTACHMENTS

- Appendix A: District of Central Saanich Letter (December 8, 2021)
- Appendix B: Bylaw No. 4491, “Capital Regional District Climate Action and Adaptation Service Establishment Bylaw, 2008, Amendment Bylaw No. 3, 2022”



December 8, 2021

File No. 0400-60/21

Kristen Morley
Corporate Officer/General Manager, Corporate Services
625 Fisgard Street
Victoria, BC V8W 2S6

Via email: kmorley@crd.bc.ca

Dear Ms. Morley:

Re: Municipal Consent for CRD Bylaw No. 4468 – CRD Climate Action and Adaptation Service Establishment Bylaw, 2008, Amendment Bylaw No.2, 2021

At the Council meeting of December 6, 2021, the District of Central Saanich passed the following motion:

That the District of Central Saanich Council not consent to the CRD Adopting Bylaw No.4468, "Capital Regional District Climate Action and Adaptation Service Establishment Bylaw, 2008, Amendment Bylaw No.2, 2021" and that the District of Central Saanich seek leave of the CRD Board to withdraw entirely from the service.

Should you have any questions with respect to the above, please do not hesitate to contact the undersigned by phone at 250-544-4202 or by email at Emilie.Gorman@csaanich.ca.

Regards,

Emilie Gorman
Director of Corporate Services/Corporate Officer

CAPITAL REGIONAL DISTRICT
BYLAW NO. 4491

A BYLAW TO AMEND THE PARTICIPANTS UNDER "CAPITAL REGIONAL DISTRICT CLIMATE ACTION AND ADAPTATION SERVICE ESTABLISHMENT BYLAW, 2008" (BYLAW NO. 3510)

WHEREAS:

- A. The Capital Regional District operates a service to provide for climate action and adaptation coordination for all municipalities and electoral areas within the Capital Regional District;
B. The District of Central Saanich no longer desires to be part of the service, with its last full day being December 31, 2022, and has delivered the required notice under section 7, Withdrawal from Service, of Bylaw No. 3510, "Capital Regional District Climate Action and Adaptation Service Establishment Bylaw, 2008";

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

- 1. Bylaw No. 3510, "Capital Regional District Climate Action and Adaptation Service Establishment Bylaw, 2008", is amended as follows, effective January 1, 2023:
(a) By removing Section 2, Boundaries, in its entirety, and replacing with "The boundaries of the service are coterminous with the boundaries of the Capital Regional District, with the exception of area contained within the boundaries of the District of Central Saanich.";
(b) By removing Section 3, Participating Area, in its entirety, and replacing with "All municipalities and electoral areas within the Capital Regional District are the participating areas for this service, with the exception of the District of Central Saanich.";
2. This Bylaw may be cited for all purposes as "Capital Regional District Climate Action and Adaptation Service Establishment Bylaw, 2008, Amendment Bylaw No. 3, 2022".

READ A FIRST TIME THIS day of 2022

READ A SECOND TIME THIS day of 2022

READ A THIRD TIME THIS day of 2022

CONSENTED TO BY TWO-THIRDS OF PARTICIPANTS day of 202_

APPROVED BY THE INSPECTOR OF MUNICIPALITIES THIS day of 202_

ADOPTED THIS day of 202_

Chair

Corporate Officer



**REPORT TO ENVIRONMENTAL SERVICES COMMITTEE
MEETING OF WEDNESDAY, JUNE 15, 2022**

SUBJECT Union of BC Municipalities Community Emergency Preparedness Fund – Extreme Heat Risk Mapping, Assessment and Planning – Capital Region Heat Vulnerability Dashboard Project

ISSUE SUMMARY

A Capital Regional District (CRD) Board resolution is required for a grant application to the Union of BC Municipalities (UBCM) Community Emergency Preparedness Fund (CEPF) - Extreme Heat Risk Mapping, Assessment and Planning stream for a regional heat vulnerability dashboard project.

BACKGROUND

Summer 2021 highlighted the region’s vulnerability to extreme heat events, and the consequences of not being adequately informed and prepared. There is a need to better understand the risk extreme heat poses to the region, to inform a risk-based approach to climate adaptation and emergency response planning. The proposed project involves the creation of a heat vulnerability mapping dashboard for the capital region, in order to better understand the locations of both populations and buildings that should be prioritized when planning to address future extreme heat events, now and in the future. This project will build upon existing data platforms available through the City of Victoria, and focus on collecting additional localized data that is regionally relevant and specific to build a more comprehensive understanding of the risks extreme heat poses to the region. This data will then be used to develop a dashboard to support education and local planning efforts. It’s anticipated that this project will complement existing heat response planning efforts, including the province’s recently announced early BC Heat Alert and Response System.

The UBCM CEPF is a suite of funding streams intended to support local governments, First Nations and communities to enhance resilience in responding to emergencies. Announced in May 2022, a new funding stream was made available to support extreme heat risk mapping, assessments, and planning activities. This stream will contribute up to 100% of eligible activities to a maximum of \$30,000 per applicant. Additional funding requests from two or more applicants (i.e., co-applicants) may be submitted as a single application for eligible, collaborative, regional projects. The CRD Climate Action service proposes to manage a regional application. As the primary applicant, a Board resolution is required articulating support for the project, and approval to apply for, receive, and manage the grant funding on behalf of all co-applicants. The grant is due June 24, 2022, with resolutions following.

Approved applicants are required to grant the Province of British Columbia free and clear access and distribution rights to any and all of the spatial data products acquired/produced using CEPF funding.

ALTERNATIVES

Alternative 1

The Environmental Services Committee recommends to the Capital Regional District Board: That the CRD Board support an application to the Union of BC Municipalities Community Emergency Preparedness Fund – Extreme Heat Risk Mapping, Assessment and Planning Grant to support the CRD as the regional lead (primary applicant) for the Capital Region Heat Vulnerability Dashboard Project, and direct staff to provide for overall grant management, including apply for, receive, and manage the grant funding.

Alternative 2

That staff be directed to not apply to the Union of BC Municipalities Community Emergency Preparedness Fund – Extreme Heat Risk Mapping, Assessment and Planning Grant Program.

IMPLICATIONS

Intergovernmental Implications

Staff are working with local governments, electoral area staff and First Nations through the CRD Climate Action Inter-Municipal Working Group, the Local Government Emergency Programs Advisory Committee, and the Regional Emergency Management Partnership to develop and execute this project. Outputs of this project will directly support local governments, First Nations, Island Health and community agencies, in future risk assessments, extreme heat response planning, and climate adaptation planning activities.

The CRD will be the primary applicant. It is anticipated that the District of Saanich, City of Victoria, City of Langford, and Town of Sidney will be co-applicants which also require complimentary council resolutions.

Financial Implications

The total final grant application will be between \$120,000 and \$150,000. Additional funding may be allocated to WSÁNEĆ First Nation partners if they also decide to be a co-applicant under this regional application. The grant would not impact core Climate Action service budgets.

Service Delivery Implications

The CRD Climate Action service will be responsible for overall grant and project management. This can be accommodated under core services in late 2022 and 2023.

Alignment with Existing Plans & Strategies

This project aligns with the CRD Climate Action Strategy, Action 2-4 to expand data collection and mapping efforts to identify vulnerabilities to the impacts of climate change.

CONCLUSION

CRD staff are seeking approval to pursue a Union of BC Municipalities Community Emergency Preparedness Fund grant application under the Extreme Heat Risk Mapping, Assessment and Planning stream to undertake the project and provide overall grant management to develop a heat vulnerability dashboard for the capital region.

RECOMMENDATION

The Environmental Services Committee recommends to the Capital Regional District Board: That the CRD Board support an application to the Union of BC Municipalities Community Emergency Preparedness Fund – Extreme Heat Risk Mapping, Assessment and Planning Grant to support the CRD as the regional lead (primary applicant) for the Capital Region Heat Vulnerability Dashboard Project, and direct staff to provide for overall grant management, including apply for, receive, and manage the grant funding.

Submitted by:	Nikki Elliott, Manager, Climate Action Programs
Concurrence:	Larisa Hutcheson, General Manager, Parks & Environmental Services
Concurrence:	Robert Lapham, MCIP, RPP, Chief Administrative Officer