



## 2020 PSO Climate Change Accountability Report School District No. 51 (Boundary)

### DECLARATION STATEMENT

**Title: 2020 PSO Climate Change Accountability Report**

**Organization: Board of Education of School District No. 51 (Boundary)**

Declaration Statement: This Climate Change Accountability Report for the period January 1, 2020 to December 31, 2020 summarizes our emissions profile, the total offsets to reach net-zero emissions, the actions we have taken in 2020 to reduce our greenhouse gas emissions and our plans to continue reducing emissions in 2021 and beyond.

The Board of Education of School District No. 51 (Boundary) continues to believe that we should all be lifelong learners and, as a District, we try to cultivate a respect for our environment that will follow our students into adulthood. We believe that the District and its schools have a unique opportunity to reinforce positive environmental concepts that will enhance the relationship between living things and their natural and built surroundings.

*By June 30, 2021 School District No. 51 (Boundary) final 2020 Climate Change Accountability Report will be posted to our website at [www.sd51.bc.ca](http://www.sd51.bc.ca).*



## OVERVIEW OF ACTIONS TAKEN IN 2020

The actions School District No. 51 (Boundary) took in 2020 to improve our efficiencies and help reduce our footprint were:

- Upgraded an air handling unit at Boundary Central Secondary;
- Improved air leakage at West Boundary Elementary in wall systems;
- Added high efficiency ductless HVAC units at Perley Elementary and Grand Forks Secondary;
- Rebuilt a chiller at Perley;
- Added heat recovery ventilators at Perley and Hutton Elementary schools;
- Replaced some interior lighting with LED at Christina Lake Elementary;
- Replaced some exterior lighting with LED at Perley;
- Installed touch free faucets in all washrooms across the District; and
- Replaced a 3/4 ton gas truck with a fully electric car.

## PLANS FOR REDUCING EMISSIONS IN 2021

In 2021, School District No. 51 (Boundary) plans to continue to find ways to move forward with energy saving upgrades. We are currently undergoing energy audits at our three largest energy using facilities and an electrical audit at another site. The outcome of these audits, along with the recommendations, will help form our 5-year energy reduction plan.

Additional plans to help reduce emissions include: LED lighting upgrades, adding lighting dimming and occupancy controls, increasing water efficiency through plumbing upgrades, installing variable refrigerant flow equipment and on-demand ventilation controls, and upgrading pumps to variable frequency drives, heating lock outs, variable hot water supply temperature set points, direct digital controls and irrigation controls.

Over the long term, our plans include: adding insulation to exterior of buildings, upgrading windows and exterior doors, replacing roofing with 2-ply SBS when up for replacement, HVAC low temperature boiler upgrades, and HVAC room unit upgrades to match the upgraded low temperature boilers.

Actions to reduce emissions from mobile sources includes replacing older less efficient vehicles with newer hybrid or electric vehicles. We also aim plan to reduce the fleet size, as well as reduce travel time with a more efficient maintenance schedule.

The District is also looking into the use of solar and batteries to get as close to zero emissions as possible as a long term goal.

## SUCCESS STORIES IN 2020

We are continuing to see consistent trends within our school communities to promote a lifelong habit of recycling and assign importance to a proactive lifestyle. We see schools continuing to teach and promote recycling, in particular of paper and plastics, as well as creating jobs in the “classroom economy” such as “paying “ a student to be the light flicker (turn off the lights of rooms not occupied). We also continue to offer an Environmental Science class as part of the high school curriculum.

School District No. 51 (Boundary) also continues to promote an active lifestyle and we continue to see staff members choosing to walk, ride their bikes or commute together to work. This trend is seeing uptake within the student community as well.

2020 has challenged school communities to find alternate ways to hold meetings, interviews, professional development events and more. As such, we have seen reduced travel as well as a reduction in paper consumption in 2020.

## 2020 GREENHOUSE GAS EMISSIONS AND OFFSETS APPLIED TO BECOME CARBON NEUTRAL

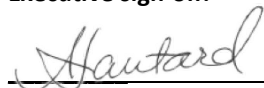
<b><i>School District No. 51 (Boundary) 2020 GHG Emissions and Offsets</i></b>	
<b>GHG Emissions created in Calendar Year 2020</b>	
<i>[See Appendix 1 for instructions on how to access your 2020 emissions data from the Clean Government Reporting Tool (CGRT). Cells A through E below are identified in Appendix 1.]</i>	
Total Emissions (tCO <sub>2</sub> e)	863
Total BioCO <sub>2</sub>	8.2
Total Offsets (tCO <sub>2</sub> e)	697
<b>Adjustments to Offset Required GHG Emissions Reported in Prior Years</b>	
Total Offsets Adjustment (tCO <sub>2</sub> e)	24
<b>Grand Total Offsets for the 2020 Reporting Year</b>	
Grand Total Offsets (tCO <sub>2</sub> e) to be Retired for 2020 Reporting Year	721
Offset Investment (\$25 per tCO <sub>2</sub> e) <i>[Grand Total Offsets to be Retired x \$25/ tCO<sub>2</sub>e]</i>	\$18,025

*[Note, BioCO<sub>2</sub> is included in Total Emissions but not Total Offsets. For K-12 and Post-Secondary organizations, and BC Transit, Total Offsets will not equal Total Emissions minus Total BioCO<sub>2</sub> because offset exempt emissions for buses are included within Total Emissions. Emissions and offset investment amounts will be validated by CAS prior to distributing invoices. You must round "Grand Total Offsets to be Retired" (Cell D + Cell E) to a whole number (no decimal places be before multiplying by \$25 .*

### **Retirement of Offsets:**

In accordance with the requirements of the *Climate Change Accountability Act* and Carbon Neutral Government Regulation, *School District No. 51 (Boundary)* is responsible for arranging for the retirement of the offsets obligation reported above for the 2020 calendar year, together with any adjustments reported for past calendar years (if applicable). The Organization hereby agrees that, in exchange for the Ministry of Environment and Climate Change Strategy (**the Ministry**) ensuring that these offsets are retired on the Organization's behalf, the Organization will pay within 30 days, the associated invoice to be issued by the Ministry in an amount equal to \$25 per tonne of offsets retired on its behalf plus GST.

### **Executive sign-off:**



Signature

May 15, 2021

Date

Anna Lautard

Name (please print)

Acting Superintendent

Title

Submitted date: 2021-05-31 12:47:44 Pacific Daylight Time

# Climate Change Accountability Report Survey - 2020

Public sector organizations (PSOs) are required to complete this survey, in addition to a Climate Change Accountability Report (CCAR) as mandated by BC's [Climate Change Accountability Act](#) and the [Carbon Neutral Government Regulation](#).

This survey is divided into two parts:

**Part 1** - Will be made public on the Climate Action Secretariat (CAS) [website](#) after June 30, 2021; however, it will not be appended directly to each individual PSO CCAR as was done in previous years. This section collects details about actions taken or planned to reduce emissions and is intended to supplement the legislative requirements in your CCAR.

**Part 2** - Will NOT be posted on the Climate Action Secretariat website. Information you provide in this section is important and will be used to help CAS staff with planning for emissions reduction and climate change adaptation initiatives, as well as inform high-level reporting in the annual provincial Climate Change Accountability Report. Although not required, PSOs are highly encouraged to complete Part 2.

**Note:** Survey progress can be saved at any time by clicking the "Save and continue later" button at the bottom of each page. A new window will open, and you will be asked to provide your name and email. An email will be sent to you from [Carbon.Neutral@gov.bc.ca](mailto:Carbon.Neutral@gov.bc.ca) with the subject line: "Questionnaire Link", which will include a hyperlink for the "Project: Climate Change Accountability Report Survey – Broader Public Sector 2020". You can then continue responding at another time or email the hyperlink to a colleague to complete remaining section(s).

April 30, 2021	<ul style="list-style-type: none"><li>• <b>Clean Government Reporting Tool (CGRT) Data Entry</b> must be completed for the 2020 reporting year.</li></ul>
May 14, 2021	<ul style="list-style-type: none"><li>• <b>Self-Certification checklist</b> must be completed, signed and submitted by email to: <a href="mailto:Carbon.Neutral@gov.bc.ca">Carbon.Neutral@gov.bc.ca</a>.</li></ul>
May 31, 2021	<ul style="list-style-type: none"><li>• The final, signed version of the <b>CCAR</b> (or <b>Small Emitters Form</b>) must be submitted by email to: <a href="mailto:Carbon.Neutral@gov.bc.ca">Carbon.Neutral@gov.bc.ca</a>.</li><li>• The <b>CCAR Survey</b> (optional for Small Emitters) must be completed and submitted online.</li></ul>
June 30, 2021	<ul style="list-style-type: none"><li>• Ministry of Environment and Climate Change Strategy must post a final CCAR for each organization on the BC Government's CNG <a href="#">website</a>. PSOs are encouraged to post their own report on their website.</li><li>• <u>All offset invoice payments must be submitted to CAS.</u></li></ul>

\*See the [Carbon Neutral Government – Program Requirements website](#) for more information on program requirements, timelines and templates.

## PART 1 - Included as part of your public Climate Change Accountability report (CCAR).

Please note, Part 1 of your CCAR survey will be made public on the CAS [website](#).

Contact Name:

Charlene Wiebe

Contact Email:

charlene.wiebe@sd51.bc.ca

Organization Name:

School District No. 51 (Boundary)

Role – Please select the best category for your current role with your organization. If more than one individual completed the survey, multiple categories may be selected:

Administrative Assistant  
Facilities/Operations Manager/Coordinator

Please select your sector:

School District (SD)

## Stationary Sources (e.g. Buildings, Power Generators): Fuel Combustion, Electricity use, Fugitive Emissions.

Actions taken by your organization in 2020 to support emissions reductions from buildings

Do you have a strategy to reduce emissions from stationary sources?

Yes

Whether you have a strategy or not, briefly describe your organization's plans to continue reducing emissions from stationary sources:

Over the medium term (1-5 years)

*School District 51 is currently undergoing energy audits at our three largest energy using facilities and an electrical audit at one other facility. The outcome of these audits, along with the recommendations, will help form our 5-year plan for energy reduction.*

*Additional plans to continue reducing emissions are: LED lighting upgrades, adding lighting dimming and occupancy controls, increasing water efficiency through plumbing upgrades, installing variable refrigerant flow equipment and on-demand ventilation controls, upgrading pumps to variable frequency drives, heating lock outs, variable hot water supply temperature set points, direct digital controls, and irrigation controls.*

Over the long term (6-10 years)

*Over the next 6 to 10 years our goal is to add insulation to exterior of buildings, upgrading windows and exterior doors, roofing replaced with 2-ply SBS when up for replacement, HVAC low temperature boiler upgrades, and HVAC room unit upgrades to match the upgraded low temperature boilers.*

Please describe your strategy's goals (if any) related to building retrofits.

*Our strategy's goals are prioritizing the projects for energy savings and highest return value when possible.*

Please refer to the definitions listed below, along with Natural Resource Canada's information guide on [Retrofitting](#) when completing the following three questions.

- Minor retrofits (e.g. low cost, easy to implement measures including caulking, lighting, adding roof insulation, etc.)
- Major retrofits (e.g. replacing windows and doors, equipment replacement such as boilers, etc.)
- Deep retrofits (e.g. replacing roof, replacing heating, ventilation and air-conditioning system with a renewable technology like ground-source heat pump, etc.)

What percentage on average of your building portfolio is retrofitted each year on Minor Retrofits?

Response must be written as an integer.

1

What percentage on average of your building portfolio is retrofitted each year on Major Retrofits?  
Response must be written as an integer.

3

What percentage on average of your building portfolio is retrofitted each year on Deep Retrofits?  
Response must be written as an integer.

4

Do you keep records of Refrigerant gases<sup>1</sup> category and refilling volumes?

[1] Fugitive emissions from stationary cooling equipment are attributed to the leakage and loss of HFC and PFC based coolants from air conditioning and commercial type refrigeration systems. Coolant loss can occur during the manufacturing, operation, and disposal of such equipment. Gases that may be reported via CGRT include HFC R-134, HFC R-134a, HFC R-404a, HFC R-407c, HFC R-410a, and HFC R-507.

No

What, if any, mitigation approaches have been considered? Please describe:

*SD51 changed to an upgraded HVAC gas that is more environmentally friendly.*

How many newly constructed buildings received at least LEED Gold certification in 2020?

*Not Applicable*

How many newly constructed buildings did not receive LEED Gold certification?

*Not Applicable*

Please explain why LEED Gold certification was not obtained for those new buildings.

*Not Applicable*

Other actions? Please describe briefly:

*Not Applicable*

## Mobile Sources (Fleet Vehicles, Off-road/portable Equipment) Fuel Combustion

Actions taken by your organization in 2020 to support emissions reductions from mobile sources:

Do you have a strategy to reduce emissions from mobile sources?

Yes

Whether you have a strategy or not, briefly describe your organization's plans to continue reducing emissions from mobile sources:

Over the medium term (1-5 years)

- Replace older less efficient vehicles with newer hybrid or electric vehicles
- Reducing the fleet size.
- Changing the maintenance schedule to reduce travel time.

How many electric vehicle charging stations (Level 2 and Level 3) for fleet does your organization have as of December 31, 2020?

Level 2:

0

Level 3:

0

Please briefly describe any other related actions (e.g. charging station feasibility studies, electrical panel upgrades, etc.)

*We are currently having an electrical audit performed at our maintenance/busing sites to identify a scope of work and recommendations for electrical upgrades needed to transition to an electric fleet.*

Please refer to the definitions provided below when completing the following table.

- Light duty vehicles (LDVs) are designated primarily for transport of passengers and have a GWR < 3,900 kg (includes sedans, hatchbacks).
- Light duty trucks (LDTs) are designated primarily for transport of light-weight cargo or that are equipped with special features such as four-wheel drive for off-road operation and have a GWR < 3,900 kg (includes SUVs, vans, and trucks).
- Heavy duty vehicles (HDV) includes vehicles with a GWR > 3,900 kg (e.g. ¾ ton pickup truck, buses, etc.).
- Battery Electric (BEV) is defined under the [Zero Emission Vehicles Regulation](#) that is propelled solely by an electric motor that is powered solely by a battery that is charged solely by an external electricity source.
- Plug-In Electric Hybrid (PHEV) is defined under the [Zero Emission Vehicles Regulation](#) as a zero-emission vehicle that can be propelled solely by an electric motor with a battery that is capable of being charged by an external electricity source.
- Hybrid Electric Vehicle (HEV), or hybrids, use both a conventional internal combustion engine and an electric motor. Hybrids have battery packs that are charged with electricity generated by the vehicle. They can't be plugged in to recharge. The typical hybrid offers fuel savings and CO<sub>2</sub> reductions of 20-40 percent over gasoline-only vehicles ([Natural Resources Canada](#)).
- Fuel Cell Electric Vehicle (FCEV) is defined under the [Zero Emission Vehicles Regulation](#) as a zero-emission vehicle that is propelled solely by an electric motor that is powered solely by a hydrogen fuel cell.
- Gas vehicles include those that use gasoline/ethanol blends, including 5% (E5), 15% (E15), 50% (E50) and 100% (E100) blends.
- Diesel vehicles include those that use biodiesel blends, including 5% (B5), 20% (B20) and 100% (B100).

Please indicate the total number of vehicles that are currently in your organization's fleet by fuel type and vehicle category.

LDV

Battery Electric

1

LDT

Gas

8

HDV

Gas

1

If, in the above table, you indicated that your organization's fleet includes vehicles that use Gas, do any of these vehicles use E100?

No

If, in the above table, you indicated that your organization's fleet includes vehicles that use Diesel, do any of these vehicles use B100?

No



If your organization purchased gas or diesel vehicles in 2020, can you briefly explain why vehicles from the other categories were not chosen?

*The District purchased a gas truck because of a need for hauling equipment, snow plowing and other jobs that require a larger truck for those tasks. The District is also not yet prepared to support alternative fuel/electric vehicles as we have no infrastructure in place and no staff with knowledge/experience to support the maintenance programs required.*

## Actions taken by your organization in 2020 to support emissions reductions from paper supplies.

Briefly describe your organization's plans to continue reducing emissions from paper use:

Over the medium term (1-5 years):

*SD51 will continue to hold paperless meetings and will reduce the amount of paper ordered in 2021 for our organization. We will also be implementing the use of the PaperCut software to further minimize paper waste*

Over the long term (6-10 years):

*None at this time.*

Does your organization have an awareness campaign focused on reducing office paper use?

No

Has your organization purchased alternate source paper (bamboo, hemp, wheat, etc.)?

No

Are there any other actions your organization took in 2020? Please specify:

*None at this time.*

## Part 2 - A - NOT Included as part of your public Climate Change Accountability report (CCAR)

Reminder that Part 2 (A & B) will NOT be posted on the Climate Action Secretariat website. Information you provide in this section is important and will be used to help CAS staff with planning for emissions reduction and climate change adaptation initiatives, as well as inform high-level reporting in the annual provincial Climate Change Accountability Report. Although not required, PSOs are highly encouraged to complete Part 2.

Does your organization have an emission reduction target?

No

Does your organization have a strategic emission reduction plan to reduce the organization's emissions (e.g. Five-year plan)?

No

Does your organization use building energy management tools? If yes, please select any that apply.

Does not use building reporting and benchmarking tools

## Other Sustainability Actions:

Please refer to the definitions provided below when completing the following table.

- Light duty vehicles (LDVs) are designated primarily for transport of passengers and have a GVWR < 3,900 kg (includes sedans, hatchbacks).
- Light duty trucks (LDTs) are designated primarily for transport of light-weight cargo or that are equipped with special features such as four-wheel drive for off-road operation and have a GVWR < 3,900 kg (includes SUVs,

vans, and trucks).

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- Hybrid Electric Vehicle (HEV), or hybrids, use both a conventional internal combustion engine and an electric motor. Hybrids have battery packs that are charged with electricity generated by the vehicle. They can't be plugged in to recharge. The typical hybrid offers fuel savings and CO<sub>2</sub> reductions of 20-40 percent over gasoline-only vehicles ([Natural Resources Canada](#)).
- Fuel Cell Electric Vehicle (FCEV) is defined under the [Zero Emission Vehicles Regulation](#) as a zero-emission vehicle that is propelled solely by an electric motor that is powered solely by a hydrogen fuel cell.

How many Zero-Emission Vehicles (Battery-Electric, Plug-In Electric Hybrid, or Hydrogen Fuel Cell) does your organization plan to purchase over the next five years in each vehicle category?

Light Duty Vehicle (LDV)

2021

1

2022

0

2023

0

2024

0

2025

0

Light Duty Trucks (LDT)

2021

0

2022

1

2023

0

2024

0

2025

1

Heavy Duty Vehicle (HDV)

2021

0

2022

0

2023

0

2024

0

2025

0

During 2020, did your organization have any of the following programs or initiatives to support sustainability?

A low-carbon business travel policy or travel reduction goal (low-carbon = lowest emission of greenhouse gas per kilometer per passenger)?

No

An operations policy or program to facilitate the reduction and diversion of building occupant waste (e.g. composting, collection of plastics, batteries) from landfills or incineration facilities?

Yes

Green procurement standards/policy for goods (e.g. office furniture, fleet, etc.)?

No

If you have indicated "Yes" to any of the previous three questions, please describe the policy and/or standards.

*The District recycles batteries from the maintenance department and has food composting programs in some of the schools. The District also has incentive for staff to car pool to various meetings and learning opportunities.*

Other, please describe briefly

*Not applicable.*

Out of all the emission reduction projects your organization has undertaken in 2020, please describe the one action taken that resulted in, or is expected to result in, the greatest emissions reductions (this may be considered your "success story" that you may want to highlight within your 2020 CCAR):

*The School District replaced a 3/4 ton gas truck with a fully electric car in 2020.*

If possible, please include an approximate estimate of the expected emission reductions from the project (in tonnes CO<sub>2</sub>e and percentage reduction):

*Not applicable.*

Tonnes CO<sub>2</sub>e:

*3.5 tonnes reduction*

Percentage total CO<sub>2</sub>e reduction:

*100% reduction on that vehicle if based on hydro electric generation.*

What projects ("opportunities") does your organization see as being most effective in leading to substantive reductions of emissions and increased energy efficiency? Please describe briefly.

*The facility green house gas emission reductions appear to have the largest affect. The District is looking into the use of solar and batteries to get as close to zero emissions as possible as a long term goal.*

## Stationary Sources Data:

What is the total amount of floor space (Gross Floor Area) in your organization (including occupied and unoccupied space)? (Please report in square metres)

30444

How many Full Time Equivalent (FTEs) in your organization are tasked with energy management and sustainability operations (i.e. focusing on reducing energy, water, waste, climate impacts from the operations)?

1

In the case of energy managers/advisors, does your organization receive support from BC Hydro/Fortis BC?

Yes

If yes, please explain:

*Fortis funded the District for an energy audit on three of its highest energy consuming facilities in 2020-21. The audit had to be performed by a FortisBC approved energy audit consultant.*

## Part 2 - B - NOT Included as part of your public Climate Change Accountability report (CCAR)

British Columbia is already experiencing the [impacts](#) of climate change: average temperatures are increasing, sea levels are rising, weather is becoming more variable and extreme weather is becoming more frequent. These impacts directly affect the province and require government and public sector organizations (PSOs) to re-think how they will deal with their infrastructure and operational needs, and ability to provide services to the public.

Given the public sector's important role in provincial service delivery and asset management, the Climate Action Secretariat (CAS) is developing reporting requirements for PSOs, to provide information for the annual climate change accountability reports. The questions in this survey are based on the kind of information that PSO may be required to report in the future.

There are no wrong answers. Please answer the following questions to the best of your ability. Your feedback on the questions will help us understand current public sector capacity to report on climate preparedness.

If you are seeking further information on climate change in BC and the risks climate change poses to buildings and service delivery, please see any of the following suggested resources:

- BC Provincial [Strategic Climate Risk Assessment](#)
- [BC Regional Adaptation Collaborative Program: Webinar Series](#)
- BC Housing's [Mobilizing Adaptation and Resilience](#) - Check out the **Design Discussion Primers** to learn more about climate risks to buildings and potential resilient design measures.
- Addressing Climate and Health Risks in BC: [Health Care Facilities](#)
- [Green Care – Climate Resilience & Adaptation Program](#) – resources targeted to Health Authorities
- [Pacific Climate Impacts Consortium](#) – data and analysis on climate variability and impacts in the Pacific and Yukon region
- The Government of British Columbia's [Climate Preparedness and Adaptation webpage](#)

If you have any questions or concerns while completing Part 2-B of this survey, please contact us at [climaterisk@gov.bc.ca](mailto:climaterisk@gov.bc.ca)

### Category 1: Understanding climate change risks to buildings and service delivery

This section will request information on your organization's understanding of climate risk. This includes experienced climate impacts and activities undertaken to develop, build and continuously improve on the organization's understanding of climate risk and vulnerability to that risk.

This next group of questions asks about your organization's experience dealing with climate-related impacts.

1. Has your organization experienced any of the following extreme weather events in the previous fiscal year? (check all that apply)

Wildfire activity including wildfire smoke

Warmer winter temperatures and/or freeze/thaw cycles through winter

1A. If you checked any of the above, did the event result in (check all that apply):

Negative impact to service delivery

If you selected any of the impacts above, please describe:

*Due to COVID, the District had the fresh air intakes in our facilities open as much as possible. The wildfires in the area caused significant smoke which was brought into the schools through the HVAC systems.*

This next group of questions asks about your organization's process for identifying and assessing climate-related risks.

2. Has your organization completed any of the following assessments?

2A. Climate risk assessment of one or more of your organization's buildings?

No

2B. Climate risk assessment for delivery of your services, programs, or business in a changing climate?

No

2C. Assessment of interdependent infrastructure that provides critical services to your organization and may transfer risk in the event of failure (e.g. roads, water, wastewater, power, telecommunications and transport supply lines)?

Yes

If you answered Yes to any of the above (2A through C) please answer the following questions. If you answered No or I don't know, please indicate NA and move through to the next set of questions.

3. Please describe the climate-related risks and opportunities your organization has identified over the short, medium and long-term

*Flooding was identified as a risk to the main data center over the short term. Long term the City of Grand Forks will be reinforcing the river dyke downtown and reducing infiltration of water through the storm water system.*

4. Please describe how climate-related risks and opportunities may impact your organization's assets, service delivery, including business, programming and financial planning.

*If the main data center goes down than the School District, City of Grand Forks and other local agencies would be without network, phones or communication.*

5. Please describe known financial implications of climate change

*The District is looking at the additional costs of mitigation versus the risk in some areas but we don't know the final cost impact of climate change.*

6. Please describe your organization's risk tolerance for climate-related risks to assets and service delivery (e.g., 1:100 year flood event)

*Not fully determined yet.*

## Category 2: Climate Risk Management Actions

This section will request information on your organization's climate risk management actions, and processes for managing climate-related risks. This includes things like creation or improvement of procedures, policies, and strategic plans.

7. In 2020, did your organization consider climate risk or take action to manage climate risk in any of the following? (Check all that apply)

Asset management  
Maintenance and operations  
Emergency response planning

7A. If you selected any of the actions above, please describe:

*The District has licenced our water wells and has an emergency plan in place for the domestic and fire systems at those sites. The District has also begun to look at the air filtration in the schools and affects with wildfires, as well as at the increased intensity of storm bursts for rainfall and the sizing of roof and parking lot drains.*

8. Does your organization allocate operational or capital budget for climate risk management actions?

Capital

What is the annual operational and/or capital budget?

*The cost of the projects is usually too large to be absorbed through operations so the investigation, scope and estimates are funded through capital programs, of which funding is approved on a project submission basis.*

9. Does your organization have a plan or strategy to guide climate risk management actions (e.g. climate adaptation strategy)?

No

10. How is your organization considering climate adaptation and reducing greenhouse gas emissions together (e.g. implications of a warmer climate on future energy demand)?

*Not applicable*

11. What key climate risk management initiatives does your organization have planned for the reporting year 2021?

*Not applicable*

### Category 3: Governance and Leadership

This section will request information related to oversight and responsibility for considering climate risk in all aspects of your organization's operations, as well as your organization's external collaborations related to managing climate risk.

12. Please describe your organization's governance structure around climate-related risks and opportunities. This may include a description of Executive or Board-level oversight and reporting up to that level.

*Not applicable.*

13. Does your organization have an individual, team, or interdisciplinary team tasked with assessing, managing, and reporting climate-related risks?

Yes

13A. If yes, where do the individuals, team or interdisciplinary team sit within your organization? Please check all that apply

Senior Management  
Facilities, Operations, and Maintenance

14. In 2020, did your organization partner or collaborate with any external organizations to prepare for, and adapt to, a changing climate? For example: local government, Pacific Climate Impacts Consortium (PCIC), utility service providers, etc.

Yes

If yes, please describe:

*Took part in some regional climate change workshops.*

15. Has your organization received external funding to support climate risk management actions (e.g. federal or provincial funding, Pacific Institute for Climate Solutions funding)?

No

16. Has your organization demonstrated leadership by sharing climate risk management activities externally (e.g. Adaptation 2020 Conference, Climate Risk and Resilience Community of Practice, etc.)?

No

## Category 4: Climate Risk Reporting Administration

This section will request information on your process and experience completing this survey.

17. Please select the positions within your organization that were consulted in completing Part 2-B of the survey. Please check all that apply:

Facilities, Operations, and Maintenance Staff

Financial Managers

Other (Please specify below)

Please specify Other

*IT Manager*

17A. Is there anyone who was either not consulted or not able to contribute that in your opinion should have been?

No

18. How many hours were required to complete the Climate Risk Management Reporting (Part 2-B) portion of the survey?

*Five hours.*

18A. We would like to get a better understanding of how much effort this reporting requires of you/your organization. Please rate your level of agreement with the following statement. (where 1 is completely disagree, and 5 is completely agree) I feel that it requires a reasonable level of effort to complete Part 2B of this survey.

4

### Feedback:

Please provide any additional information that you think would be useful to CAS in developing a program that supports public sector understanding, management, and reporting on climate-related risks.

*This is not a well supported (funded) area for small, rural districts in BC. SD51 was invited to access a Regional Energy Services program through SD41 (Burnaby), but were subsequently denied access as the District is not a BC Hydro customer. This was disappointing as BC Hydro is a Crown Corporation and regardless of what area in BC you are located, the goal is to reduce energy consumption. We are stronger if we work collectively! As well, the size of our District is a barrier to supporting an Energy Manager internally, and this work is difficult without targeted expertise.*