



City of Port Moody

Report/Recommendation to Council

Date: August 27, 2021
Submitted by: Community Development Department – Policy Planning Division
Subject: FCM Community Buildings Retrofit Funding Opportunities

Purpose

The purpose of this report is to seek approval for staff to apply for two funding opportunities under the Federation of Canadian Municipalities - Community Buildings Retrofit stream and to maximize the possible grant funding by including the earmarked 2022 budget for this project in the funding applications.

Recommended Resolution(s)

THAT staff be directed to submit an application to the FCM-CBR GHG Reduction Pathway Feasibility Study and Community Building Monitoring and Analysis Grant as recommended in the report dated August 27, 2021 from the Community Development Department – Policy Planning Division regarding FCM Community Buildings Retrofit Funding Opportunities;

AND THAT \$10,000 be approved in the 2022 capital budget for the continuation of the Building Optimization for Civic Facilities project.

Background

At the February 2, 2021 Committee of the Whole Meeting, Council passed the following resolution:

CW21/014

THAT the Phase One Climate Action Implementation Strategy be endorsed as recommended in the report dated December 2, 2020 from the Community Development Department – Policy Planning Division regarding Phase One Climate Action Implementation Strategy;

AND THAT action items and positions identified in the Phase One Climate Action Implementation Strategy without approved funding be referred to a future Finance Committee.

Discussion

Phase One Climate Action Implementation

On February 2, 2021, Council endorsed the [Phase One Climate Action Implementation Strategy](#)¹, initiating implementation of 23 of the 54 actions in the Climate Action Plan (CAP) before 2022. In March of 2021, the Strategy was fully funded and, since then, staff have been working to implement the 23 actions.

One of actions in the Phase One Strategy is: *perform comprehensive climate audits on all civic facilities and prioritize upgrades where feasible and of highest risk*. This project is being led by the Policy Planning Division. **Attachment 1** lists the City's facilities included in this scope of work. This action will result in reduced emissions from civic facilities to meet CAP goals and targets while ensuring facilities are prepared for future climate scenarios. Undertaking this action will involve performing energy audits on civic facilities to understand baseline building performance and recommend solutions to improve energy efficiency, greenhouse gas (GHG) reduction, decrease costs, and improve asset management. This work also includes performing a climate risk and vulnerability assessment to identify facilities that are particularly at risk to climate impacts such as flooding, wildfires, and extreme weather. Energy audits and climate risk assessments will be performed in tandem to ensure an understanding of how resiliency efforts affect greenhouse gas (GHG) emissions and vice versa.

In Q1 of 2021, the City began working with Prism Engineering, a Vancouver-based energy consultant firm that helps clients improve facility performance. Reducing GHG emissions and preparing civic facilities for the impacts of climate change is an ongoing initiative that requires yearly staff time and budget to support. Resources required to forward this work will be requested through the annual municipal budgeting process. To offset the cost associated with completing the facility audits and prioritizing upgrades, there are a number of current grant opportunities the City can pursue.

FCM Building Related Grant Opportunities

The [Federation of Canadian Municipalities \(FCM\) Community Buildings Retrofit \(CBR\)](#)² initiative helps to optimize the energy performance and reduce GHG emissions of community buildings owned by municipalities and not-for-profit organizations. The CBR initiative is administered through FCM's Green Municipal Fund (GMF). By retrofitting these buildings, municipalities and their partners can achieve significant environmental, economic, and social benefits for their communities. Staff are seeking approval to apply to the following grant streams under the FCM CBR program:

[FCM-CBR GHG Reduction Pathway Feasibility Study Grant](#)³

Grants for the GHG reduction pathway feasibility study supports communities in conducting feasibility studies for short- and long-term capital projects while mapping out a course to extend the life of community buildings and reduce operating and maintenance costs over the remaining useful life of these facilities. These studies

¹ Port Moody Phase One Climate Action Implementation Strategy: <https://www.portmoody.ca/en/city-hall/climate-action-plan.aspx#2021-Phase-One-Implementation-Strategy>

² FCM CBR: <https://www.fcm.ca/en/programs/green-municipal-fund/community-buildings-retrofit-initiative>

³ GHG Reduction Pathway Feasibility Study: <https://www.fcm.ca/en/funding/gmf/study-ghg-reduction-pathway-feasibility>

enable identification of a sequence of GHG reduction measures that will help reduce GHG emissions for community buildings by at least 50% within ten years and by at least 80% (i.e., near net-zero GHG emissions) within 20 years. Studies consider unique objectives and constraints (e.g., building use, capital budgets, equipment renewal cycles, etc.) and explore multiple optimization scenarios.

The GHG Reduction Pathway Feasibility Study grant offers funding for up to 80% of eligible costs, with up to \$200,000 per portfolio of buildings (the average per building must not exceed \$65,000). Under this stream, Port Moody would be applying for funding to support detailed climate audits on all civic facilities.

FCM-CBR Building Monitoring and Analysis Grant⁴

Grants for community building monitoring and analysis projects are targeted to owners of community buildings that do not have a building monitoring and analysis system in place, like Port Moody. A building monitoring and analysis system is a software that enables:

- monitoring of the energy and GHG performance of buildings, allowing for weather normalization and year-over-year comparisons;
- benchmarking the energy and emissions performance of buildings against similar buildings in other municipalities;
- identifying and implementing simple energy conservation measures;
- tracking, monitoring, and reporting energy and GHG performance after energy conservation measures are implemented; and
- tracking costs associated with energy conservation measures, operation, and maintenance.

This funding stream offers a grant for up to 80% of eligible costs up to \$25,000. Only one project of this type is eligible for funding within an individual municipality. Under this stream, Port Moody would be applying for funding to support integrating all civic facilities into PUMA, a building monitoring and analysis software provided by Prism Engineering.

Application and Funding Timeline

Staff have been working over the spring and summer to prepare the FCM-CBR funding applications, which are ready for submission, pending Council approval. **Attachments 2 and 3** are components of the funding application that demonstrate the funding commitment by the municipality. FCM has indicated a funding decision timeline of approximately three to four months. Climate audits and building monitoring and analysis cannot take place until after the funding decision by FCM, as any work done prior to the funding decision is not considered eligible for funding. While this will result in an approximately six-month delay in starting the project, it is not anticipated to compromise achieving the targets and goals outlined in the Climate Action Plan. The graphic below outlines the intended work plan for the project.

⁴ Community Building Monitoring and Analysis Grant: <https://www.fcm.ca/en/funding/gmf/community-building-monitoring-analysis-grant>



While this timeline has been established to align with the FCM-CBR funding, there are other funding sources that staff will pursue as applicable from BC utilities, BC Hydro and FortisBC. As additional funding eligibility is confirmed, staff will report back to Council with details on funding available through these streams and request authorization to apply.

Other Option(s)

THAT the report dated August 27, 2021 from the Community Development Department – Policy Planning Division regarding FCM Community Buildings Retrofit Funding Opportunities be received for information.

Financial Implications

The Phase One Climate Action Implementation Strategy indicated that undertaking climate audits on civic facilities would require a budget of \$50,000 over five years. \$20,000 was approved for this project in 2021, with \$10,000 in 2022. Staff are seeking Council approval to incorporate the \$10,000 requested in 2022 into the current FCM funding applications to maximize the City's contribution and increase the potential grant funding available to the City.

The table below shows the total project costs and breaks down the City's contributions compared to the available FCM funding being requested:

FCM Funding Stream	Total Project Cost	City Contribution	FCM Funding Request
GHG Feasibility	\$120,000	\$24,000	\$96,000
Building Monitoring and Analysis	\$30,000	\$6,000	\$24,000
Total	\$150,000	\$30,000	\$120,000

Future facility upgrades and associated costs are unknown at this time, but will be determined based on the results of the climate audits and building monitoring and analysis work. Upon completion, staff will bring forward the results of the climate audits and building monitoring analysis in addition to any budget implications for future Council consideration.

Communications and Civic Engagement Initiatives

The status of grant applications is reported to Council annually. Progress of phase one climate action implementation will also be communicated to Council annually. The annual CAP report will be available to the public, and highlights from this report will be posted to the City's dedicated Climate Action Plan web page.

Council Strategic Plan Objectives

Implementation of the Climate Action Plan is consistent with the Environmental Leadership priority in the 2019-2022 Council Strategic Plan, which outlines a vision for the City to provide leadership in climate change by thinking globally and acting locally. Implementation of the Climate Action Plan was ranked as a Level 1 priority in the Council Strategic Plan and is considered a "must do" by Council.

Attachment(s)

1. List of Port Moody Facilities.
2. FCM-CBR Building Monitoring and Analysis Confirmation of Municipal Contribution.
3. FCM-CBR GHG Reduction Pathway Feasibility Study Confirmation of Municipal Contribution.

Report Author

Laura Sampliner, BES, LEED GA
Sustainability and Energy Coordinator

Report Approval Details

Document Title:	Federation of Canadian Municipalities Building Related Grant Applications.docx
Attachments:	<ul style="list-style-type: none">- Attachment 1 - List of Port Moody Facilities.pdf- Attachment 2 - FCM-CBR Building Monitoring and Analysis Confirmation of Municipal Contribution.pdf- Attachment 3 - FCM-CBR GHG Reduction Pathway Feasibility Study Confirmation of Municipal Contribution.pdf
Final Approval Date:	Sep 10, 2021

This report and all of its attachments were approved and signed as outlined below:

Mary De Paoli, Manager of Policy Planning - Sep 7, 2021 - 10:29 AM

Kate Zanon, General Manager of Community Development - Sep 7, 2021 - 11:13 AM

Dorothy Shermer, Corporate Officer - Sep 8, 2021 - 4:42 PM

Natasha Vander Wal for Rosemary Lodge, Manager of Communications and Engagement - Sep 9, 2021 - 7:36 AM

Paul Rockwood, General Manager of Finance and Technology - Sep 9, 2021 - 7:39 AM

Tim Savoie, City Manager - Sep 10, 2021 - 11:20 AM