
TO: CITY MANAGER **DATE:** 2021 February 3

FROM: MAJOR CIVIC BUILDING PROJECT **FILE:** 4230 08
COORDINATION COMMITTEE *Reference: Edmonds Community Centre*

**SUBJECT: EMERGENCY POWER – EDMONDS COMMUNITY CENTRE –
GRANT APPLICATION**

PURPOSE: To obtain a Council resolution for a grant application to the *Investing in Canada Infrastructure Program – COVID-19 Resilience Infrastructure Stream* for the Emergency Power Project at Edmonds Community Centre.

RECOMMENDATIONS:

1. **THAT** Council authorize the grant application to the *Investing in Canada Infrastructure Program – COVID-19 Resilience Infrastructure Stream* program for the Emergency Power at the Edmonds Community Centre Project.
2. **THAT** a copy of this report be sent to the Financial Management Committee for information purposes.
3. **THAT** a copy of this report be sent to the Parks, Recreation and Culture Commission for information purposes.

REPORT**1.0 INTRODUCTION**

At its meeting on 2016 October 3, Council approved a framework for the provision of emergency back-up power at select key City facilities to provide public access, service provision and centres for respite during extended power outages. Staff engaged Roy Campbell Ltd. to undertake the feasibility studies for several facilities. Based on the findings presented, it was determined that installation of emergency generators would be recommended at both Edmonds Community Centre and Bonsor Recreation Complex. On 2019 September 19, Council approved the use of Capital Reserve Funds of \$5,150,000 for the two facilities. This proposed grant application only pertains to Edmonds Community Centre as the funding program only permits funding for a single site.

2.0 POLICY SECTION

The proposed Full Emergency Power – Edmonds Community Center Project aligns with the following goals and sub-goals of the Corporate Strategic Plan:

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- **A Safe Community**
 - Community Amenity Safety – Maintain a high level of safety in City buildings and facilities for the public and City staff
 - Emergency preparedness – Enhance plans, procedures and services so that we are better prepared to respond to emergencies and are able to maintain City services
- **A Dynamic Community**
 - City Facilities and Infrastructure – Build and maintain infrastructure that meets the needs of our growing community

3.0 INVESTING IN CANADA INFRASTRUCTURE PROGRAM – COVID-19 RESILIENCE INFRASTRUCTURE STREAM – GRANT APPLICATION

The Province of British Columbia and Canada have partnered to develop the COVID-19 Resilience Infrastructure Stream (CVRIS) as part of the Investing in Canada Infrastructure Program (ICIP) in response to the effects of COVID-19 on communities across the province. One of the preferred outcomes of eligible projects is:

The project will complete disaster mitigation and adaptation infrastructure projects.

This includes any public infrastructure asset where the purpose of the project is to build to mitigate or protect against the impacts of climate change, disasters triggered by natural hazards, or extreme weather events. This grant is sought for the construction of the full emergency power at Edmonds Community Centre as the project goals align with the above outcome.

The Canada Infrastructure Program indicates funding contribution for local government projects awarded the grant is a split of up to 80% contribution from the federal government, and 20% from the province, making a total contribution of up to 100% of total project cost.

Grant applicants must be prepared to finance project construction and commit cost-share of the project, as well as cover any cost overruns, through confirmation of funds and endorsement of the project via a Council/Board resolution. The Council/Board-approved resolution or bylaw must be submitted to the Program within 30 days of the application date to be considered. A copy of the City's submission is ***attached*** in Appendix 1.

4.0 PROJECT COST

The overall project cost (Edmonds location) is estimated at \$2,450,000. The overall project cost has been included in the 2021 – 2025 Annual Financial Plan. Any approved government grant funding will be applied to offset project costs.

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5.0 RECOMMENDATIONS

It is recommended that Council authorize the grant application to the *Investing in Canada Infrastructure Program – COVID-19 Resilience Infrastructure Stream* program for the Emergency Power at the Edmonds Community Centre Project.

Upon approval, a copy of this report will be sent to the Financial Management Committee and the Parks, Recreation and Culture Commission for information purposes.



E.W. Kozak, Chair, Major Civic Building Project
Coordination Committee



Leon Gous, Director Engineering



Dave Ellenwood
Director Parks, Recreation and Cultural Services

TVD:sla

Attachment

cc: Director Corporate Services
Director Public Safety and Community Services
Director Finance
Chief Building Inspector
Purchasing Manager
City Solicitor
City Clerk

APPENDIX 1



Investing in Canada Infrastructure Program

Instructions**Program Information**

- For detailed program information, including application closing date, please visit the Ministry's Investing in Canada Infrastructure Program website and review the Program Guide.
- For further information, please email the Ministry at Infra@gov.bc.ca or phone 250-387-4060.

Important Notes

- The system will automatically time-out after 15 minutes when there has been no activity – please repeatedly save work, otherwise it will be lost.
- An Application does not have to be completed in one session.
- Once an Application is submitted, it will be locked and you will not be able to make changes online. If changes need to be made after an Application has been submitted, please use the contact information above.
- **Applicants should be aware that information collected is subject to provincial freedom of information legislation.**

Submitting an Application

- All fields are required, unless otherwise indicated.
- Please ensure you have uploaded all required documents.
- We recommend printing/saving the application as a PDF BEFORE submission.

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Applicant Information

Applicants will access the application through their client record in the Local Government Information System (LGIS). Please see the Accessing the Online Application Instructions for setting up access to LGIS if your organization does not already have this.

Applicant Name and Project Number

Burnaby

IV0320

Primary Contact

Contact must be from the applicant organization as this will be the person the Ministry will contact regarding this application.

First Name

Tim

Last Name

Van Driel

Title

Manager Civic Building Projects

Telephone Number

(604) 830-6846

Telephone Extension**Email Address**

tim.vandriel@burnaby.ca

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Secondary Contact**First Name**

Parm

Last Name

Saini

Title

Assistant Project Manager - Civic Building Projects

Telephone Number

(604) 294-7137

Telephone Extension**Email Address**

parm.saini@burnaby.ca

Head of the Applicant Organization's Contact Information

This information will be used during the decision process for any formal correspondence. Example: Chief, President, Mayor, Board Chair

First Name

Mike

Last Name

Hurley

Title

Mayor

Telephone Number

(604) 294-7340

Telephone Extension**Email Address**

mike.hurley@burnaby.ca

Project Information

Project Title

Full Emergency Power – Edmonds Community Center

Project Description and Rationale

Brief Project Description

This project will provide emergency backup power at Edmonds Community Center, to provide public access, service provision and centres for respite during extended power outages. This would include - Operation of HVAC systems to provide residents with temporary relief should a power outage occur due to an extreme heat or cold weather event - Continued operation of water systems to ensure hot water is maintained in washrooms, and showers. - Uninterrupted power to provide the ability for residents to stay connected to the community, including the ability to plug in or recharge electronic communications devices.

Detailed List of Project Works

This project will design, supply and install a new emergency generator, enclosure and fuel tanks and associated electrical equipment to provide emergency backup power to Edmonds Community Center. The generator will be sized to service essential electrical and mechanical loads. The fuel tanks will provide 72 hours of fuel storage (at 75% generator load). The generator will have noise attenuation to minimize generator noise levels. The electrical equipment will include an automatic transfer switch to enable the transfer to emergency power. The generator equipment will comply with EPA Tier 3 emissions standards.

Briefly describe why the project is needed and how this need was determined or assessed. Also describe how this project is most appropriate to meet the identified need (rationale for the project).

During power outages, emergency back-up power would allow this community center to provide continued public access, service provision and a place of respite to residents impacted by extended power outages. Continued operation of HVAC (heating, ventilation and air conditioning) systems would provide temporary relief to residents during a power outage that occurred during an extreme heat or cold weather event; continued operation of water systems would ensure running hot water in washrooms and showers; uninterrupted power would offer somewhere for residents to stay connected to the community, including the ability to plug-in or recharge electronic communication devices. In addition to maintaining public access

and service continuity during extended power outages, emergency back-up power would enhance the City's capacity to deliver Emergency Support Services (ESS) following an emergency or disaster by increasing the number of key facilities capable of supporting ESS operations in areas where Hydro power was interrupted. The need for this project was determined by the City's department of Public Safety & Community Services -- Emergency Management Division. The City retained a specialty consultant to undertake a feasibility study for this work in 2019.

Federal Outcomes

Identify the outcome that best describes the major benefits from project works. (The selection of the outcome is important as questions within the application will be related specifically to the outcome that is selected.)

The project will complete disaster mitigation and adaptation infrastructure projects.

Excludes Flood Mitigation projects as these projects will be administered separately by Emergency Management BC.

Project Type

Project Type

Disaster Mitigation Infrastructure

Project Location

Project physical address (and/or start and end points) - Latitude:(e.g. 42°, 13' 56"N") Longitude: (e.g. 125°, 44' 35"W"). If you are requesting to be identified as a Remote Community, please review the criteria in the Program Guide and supply how you meet the definition. If you have any questions please contact Ministry Staff.

Edmonds Community Center, 7433 Edmonds St., Burnaby, BC, V3N 1B1

What is the population that will be directly served by this project?

232,800

Will the completed works be used by the general public or members of the community (is it public facing)?

YES

Eligibility

Is the Project Eligible

Projects that are eligible under the COVID-19 Resilience Infrastructure Stream must be public infrastructure (capital assets) owned by a Local Government, Indigenous Ultimate Recipient or a Not-For-Profit organization. Please keep in mind when applying for the COVID-19 Resiliency Infrastructure Stream that there will be reporting requirements associated with the project if successful. These include but are not limited to Accessibility, GHG Reduction and energy efficiency standards. Please refer to the program guide for details.

Please review the eligibility criteria listed below to ensure that the project will meet all requirements:

1. The project supports public infrastructure, defined as tangible capital assets, primarily for public use and/or benefit, with the possible exceptions of temporary infrastructure related to pandemic response.
2. The completed asset will be owned and operated by the funding recipient for the duration of the Asset Disposal Period (five years after a project is complete) with the possible exceptions of temporary infrastructure related to pandemic response.
3. Project contracts will be awarded through a public tender process in a way that is fair, transparent, competitive and consistent with value for money principles.
4. The project will meet or exceed applicable energy efficiency standards for buildings where a building is constructed.
5. All required permits will be obtained when necessary.

6. The project will consider climate change in the design and will include materials that will increase energy efficiency when applicable.
7. The project will consider climate related risks and will have mitigation measures for these risks.
8. Do you have a Council/Board/Band Council/other appropriate governing body resolution authorizing the project to proceed and committing your share? This must be available upon request.
9. The project will meet or exceed the applicable energy efficiency standards for buildings outlined in the Pan-Canadian Framework.
10. For publicly accessible building(s), the completed works will meet or exceed the requirement of the highest published accessibility standard in a jurisdiction, defined as the requirements in the Canadian Standards Association Technical Standard Accessible Design for the Built Environment (CAN/CSA B651-12), in addition to applicable provincial building codes and relevant local government bylaws.
11. The project will ensure that the principles underlining the federal government's policies to promote linguistic duality and promote the development of official language minority communities are reflected.

Does the project meet the eligibility criteria listed above?

YES

Has the construction phase of the project started?***

NO

***Projects that have started (construction tender awarded) are ineligible.

What is the percentage of project design that has been completed as of application submission date? (This should match the class of your estimate.)

51 - 75%

Estimated project start date.

2021-05-01

Estimated project completion date (including reporting after construction, all projects must be completed by the end of 2021 with the exception of remote communities which must complete by the end of 2022*).

2021-12-01

Estimated project construction start date. Construction must start no later than September 30, 2021.

2021-06-01

Estimated project construction completion date. Projects must be completed by the end of 2021 with the exception of remote communities which must complete by the end of 2022.*

2021-11-01

*Please see section 1.1 of the program guide for more information on the definition of a remote community.

Mandatory Documents

In all cases, relevant information must be included within the completed application form itself, as this will form the basis of the assessment. **Please make specific reference within the application to sections of attached documents that you wish to be included in the review.** Attachments should be clearly labelled, organized, and succinct. Mandatory documents may vary by applicant type and must be submitted with the application for the project to be eligible for review and potential funding.

Please see the [ICIP-CVRIS Program Guide](#) for explanation of requirements for each mandatory document.

Mandatory Documents for Local Governments

Please attach each of the following mandatory documents (15 MB limit per document). ZIP files will not be accepted.

Project location .KML file

LG_PROJECT_KML_ECC Emergency Power KML File.kml

See instructions on the ICIP website .

Detailed Cost Estimate

LG_DETAILED_COST_ESTIMATE_Copy of
detailed_cost_estimate_cvris.xlsx

Must use the template found on the ICIP website .

**For all Disaster Mitigation and Adaptation Outcome projects: a Hazard,
Risk and Vulnerability Assessment/Risk Assessment**

LG_HAZARD_RISK_VULNERABILITY_ASSESSMENT_ADDL DOC3
HRIVA Final Report - v2019.2 - SUMMARY.pdf

See the ICIP CVRIS program guide for details.

**Partnership/Memorandum of Understanding (MOU) Agreement (if
more than one entity is involved in the project)****Additional Documentation (click to expand)**

Additional documentation is optional and may be uploaded here
to support your application. Supporting document examples:

Cost Benefit Analysis or Other Study; Design Drawings; Letters
of Support; Community Energy Plan; Options Assessment; or,
Asset Management Plan. (Please refer to the **ICIP CVRIS
Program Guide** for more information).

You may upload up to five Additional Documents.

Additional Document

LG_ADDITIONAL_1_ADDL DOC1 RCL-Feasibility Report -
Edmonds only.pdf

Additional Document

LG_ADDITIONAL_2_ADDL DOC2 - Design Drawings Edmonds
Emergency Power.pdf

Additional Document

LG_ADDITIONAL_3_Council Report.pdf

Additional Document

LG_ADDITIONAL_4_Council Resolution to be presented at
Council Feb 8 2021.docx

Additional Document

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Project Costs and Project Delivery**Total Gross Project Costs [cannot exceed \$10,000,000]**

\$2,122,271

Total Ineligible Project Costs

\$0

Total Eligible Project Costs [Total Gross Project Costs less Total Ineligible Project Costs]

\$2,122,271

Maximum Grant Amount (Estimated)*

\$2,122,270

*Grant amount may be adjusted after ministry review.

Please note: because 100% of eligible costs are covered by the CVRIS, financial stacking with any other funding sources, including but not limited to Provincial and Federal government sources, is not allowed.

Net Eligible Costs [Internal use only]

\$2,122,271

Fiscal Year Breakdown

Please fill in the costs below. The costs to be entered will represent how much money you expect to spend on eligible costs for the project each year. Projects must commence prior to September 31, 2021 and be completed prior to December 31, 2021.

Fiscal Year*

Forecasted Eligible Project Costs (April 1 to March 31)

2021 - 2022

\$2,122,271

2022 - 2023 (remote communities only)

\$0

Total

\$2,122,271

Difference from Total Eligible Project Costs

\$0

**Fiscal Year Breakdown Total must equal Total Eligible Project Costs.*

Funding/Planning

Project Financing - Local Government

Approved projects will be funded 100% of eligible costs.

How does your organization intend to carry the project costs until a claim for completed works is reimbursed by the Province?

Capital Reserve Fund is identified in the city's 2021-2025 Provisional Capital Plan as the source of funds. Funding was initially approved in September of 2019. Council Report attached.

What plans are in place and where will funds be sourced from if project costs escalate beyond budgeted contingencies (cost overruns)?

Burnaby City Council provides a capital contingency expenditure provision to enable the city to respond to unforeseen circumstances that arise throughout the year that were not provisioned within the adopted Financial Plan bylaw

Please Note: ICIP does not provide additional funds to cover cost overruns. Also note stacking rules in the **ICIP CVRIS Program Guide** .

Indigenous Consultation Considerations

What stage of consultation has occurred with surrounding Indigenous Groups and if an Indigenous Ultimate Recipient applicant type, has your membership been consulted? Please identify the Indigenous groups that have been consulted and what steps have been taken.

None

If you have started consultation please attach any documentation available.

Are there any unsettled land claims on or culturally sensitive issues related to land on which the project works will occur?

NO

Is any part of the project located on federal lands?

NO

Is the project subject to an impact assessment as per the Impact Assessment Act (2019)

(<https://laws.justice.gc.ca/eng/acts/l-2.75/index.html>)?

NO

Risks

Please identify any project risks (social, financial, environmental, human resources, timeline, additional impacts of COVID-19) and the mitigation strategies to address these risks.

Timeline risk: some equipment and materials on other projects have had delivery timelines impacted by COVID-19. There is a risk to the project schedule that the delivery of materials and equipment purchased for this project could be delayed.

Management and Planning

Management and Planning

Asset Management - Additional resources on infrastructure asset management can be found on the Asset Management BC website: www.assetmanagementbc.ca .

How do you manage your infrastructure assets? Do you have an asset management plan linked with a long-term financial plan, asset management policy, strategy, framework, and/or governance structure?

We have documented long-term asset and financial plans in place for managing building assets that are updated on a 5 year cycle; maintenance schedule; levels of service are measured and tracked. We utilize the Hansen Information Technologies (Infor) as well as a GIS system of all our assets with information such as ID number, size, install date, expected life and condition. We track maintenance within this database and performance and use this to assist with replacement decisions. We complete a condition assessment on a 5 year cycle.

Describe your long-term planning activities that will ensure that there will be funds to replace the proposed project at the end of its life.

Council has adopted a pay-as-you go policy allowing the City to continue to be debt-free by funding capital projects through Reserve Funds and Reserves. Reserve Funds and Reserves are replenished annually with a transfer from City operations and any additional contributions for future infrastructure requirements.

GHG Calculations

Greenhouse Gas Calculations

Will the project achieve a reduction in greenhouse gas emissions?

NO

Outcome Specific Questions

Please navigate to Project Information, then to Federal Outcomes. Please Identify which outcome the project will support before navigating to this page.

Outcome 4: The project will complete disaster mitigation and adaptation infrastructure projects *

*Excludes Flood Mitigation projects as these projects will be administered separately by Emergency Management BC.

Projects eligible under the COVID-19 Resilience Infrastructure Program, the Disaster Mitigation and adaptation outcome will complete works on public infrastructure (capital assets) owned by a Local Government, Indigenous Ultimate Recipient or Not-for-Profit entity.** The desired results of the outcome under the CVRIS program is to fund projects that will help communities prepare for the impacts of climate change and associated natural hazards/events/disaster that may result. The projects will help local populations prepare for or mitigate impacts of an event on the environment and communities including natural infrastructure, fire mitigation, and tree planting and related infrastructure. Please keep this desired Outcome in mind when answering the questions in this section.

** For the purpose of this project category, public infrastructure assets include not-for-profit infrastructure projects where the project is for public use and/or benefit.

Which sub-category of infrastructure will the improvements target?

Any public infrastructure asset including natural infrastructure, where the purpose of the project is to build, modify and, or reinforce to prevent, mitigate or protect against the impacts of climate change, disasters triggered by natural hazards, and extreme weather events)

Program Targets and Benefits

How was the need for the project in the community identified? Please elaborate on the previous answer supplied in the Project Information section of the application.

Southeast Quadrant - Edmonds Community Centre The new Edmonds Community Centre was opened in 2013. It is the largest civic facility in the southeast quadrant of Burnaby and includes multiple large open dry spaces, pool, multiple water closets and showers including accessible stalls, a residential kitchen, and

easy access to transit and areas for public parking. The facility has been pre-configured for emergency power with a generator pad and underground ducting installed. The proposed project will allow Edmonds Community Center to remain open to provide continued public access, service provision and places of respite to residents impacted by extended power outages. During power outages, emergency back-up power would allow this community center to provide continued public access, service provision and a place of respite to residents impacted by extended power outages. For example, continued operation of HVAC (heating, ventilation and air conditioning) systems would provide temporary relief to residents during a power outage that occurred during an extreme heat or cold weather event; continued operation of water systems would ensure running hot water in washrooms and showers; uninterrupted power would offer somewhere for residents to stay connected to the community, including the ability to plug-in or recharge electronic communication devices. In addition to maintaining public access and service continuity during extended power outages, emergency back-up power would enhance the City's capacity to deliver Emergency Support Services (ESS) following an emergency or disaster by increasing the number of key facilities capable of supporting ESS operations in areas where Hydro power was interrupted. The need for this project was determined by the City's department of Public Safety & Community Services -- Emergency Management Division. The City retained a specialty consultant to undertake a feasibility study for this work in 2019 (refer to attached study Burnaby Community Centres – Full Emergency Power).

What type of natural disaster/impact/event will the project improve resiliency against?

The project will improve resiliency against power outages caused by natural disasters or other causes.

Is your community susceptible to the natural disaster/impact/event(s) identified in the previous question and have you completed a hazard, risk and vulnerability analysis (HRVA) or other risk assessment?

YES

What are the potential risks that are identified by the HRVA/risk assessment?

See attached HRVA/risk assessment. After the August 2015 wind storm event Recreation staff reported increased patronage at facilities that remained open in areas where

surrounding neighborhoods were without power for an extended period.

Explain how the project will increase resiliency during and after a natural disaster/event.

Public Access and Continuity of Services: During power outages, emergency back-up power would allow key facilities to provide continued public access, service provision and places of respite to residents impacted by extended power outages. For example, continued operation of HVAC (heating, ventilation and air conditioning) systems would provide temporary relief to residents during a power outage that occurred during an extreme heat or cold weather event; continued operation of water systems would ensure running hot water in washrooms and showers; and uninterrupted power would offer somewhere for residents to stay connected to the community, including the ability to plug-in or recharge electronic communication devices. Emergency Support Services In addition to maintaining public access and service continuity during extended power outages, emergency back-up power would enhance the City's capacity to deliver Emergency Support Services (ESS) following an emergency or disaster by increasing the number of key facilities capable of supporting ESS operations in areas where Hydro power was interrupted. As such, a facility's suitability to serve as an ESS facility would be an appropriate consideration in seeking to identify key facilities for the potential installation of emergency back-up power

Will manmade structural assets be constructed, rehabilitated, or upgraded in order to adapt to climate change impacts, natural disasters and extreme weather events?

NO

Will natural assets be improved, rehabilitated, or created?

NO

Will the project protect surrounding communities in addition to the community where the project is situated?

YES

Please describe the benefits provided.

During power outages, emergency back-up power would allow key facilities to provide continued public access, service provision and places of respite to non Burnaby residents impacted by extended power outages if required.

Submission

Applicants should be aware that information collected is subject to the Freedom of Information and Protection of Privacy Act.

On behalf of

Burnaby

I Jonathan Pavich

certify that the information contained in this Application form is to the best of my/our knowledge, correct and complete and has been submitted with Council/Board/Band Council concurrence, as authorized by a resolution dated (or that is anticipated on):

2021-01-26

I acknowledge that if a construction tender is signed or construction starts prior to receiving final approval, the project will be considered withdrawn from the program.

This will certify the following authorities have reviewed and approved this application:

Noreen Kassam

Director Finance

Financial Approver

Tim Van Driel

Manager Civic Building Projects

Engineer or Project Manager Approver

