

TO: CHAIR AND MEMBERS
FINANCIAL MANAGEMENT COMMITTEE

DATE: 2017 MARCH 07

FROM: MAJOR CIVIC BUILDING PROJECT
COORDINATION COMMITTEE

FILE: 23000 01

SUBJECT: EMERGENCY POWER AT SELECT KEY CITY FACILITIES -
FEASIBILITY STUDY

PURPOSE: To request Bylaw funding for the Feasibility Study to examine and assess identified building sites for emergency power.

RECOMMENDATION:

1. **THAT** Financial Management Committee recommend that Council be requested to bring down a Capital Reserves Bylaw in the amount of \$250,000 (inclusive of GST in the amount of \$11,905) to finance the Feasibility Study to install an emergency power supply at select City facilities described in Section 2.1 of this report.

REPORT**1.0 BACKGROUND**

At its meeting on 2015 October 26, Council approved a report from the Financial Management Committee on the post-2015 August 29 wind-storm event. The report recommended a work program to review future emergency response. Included in the approved work program was a staff review of the advisability and feasibility of expanding the provision of emergency back-up power to select key City facilities throughout the City to provide public access, service provision and, if necessary, centres for respite during extended power outages.

Subsequently, at its meeting on 2016 October 03, Council approved a framework for the provision of emergency back-up power at select key City facilities. This report seeks Council approval to bring down a Capital Reserves Bylaw in the amount of \$250,000 to finance a feasibility study for the implementation of the first phase of the emergency power framework.

2.0 EMERGENCY POWER SUPPLY FRAMEWORK

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

In addition, 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.

To: Financial Management Committee
From: Major Civic Building Project Coordination Committee
Re: Emergency Power at select Key City Facilities –
Feasibility Study
2017 March 07 Page 2

The approved framework considers both existing and planned facilities, as well as geographic distribution of facilities and a facility's suitability for public access and potential emergency support services. The framework includes an existing or planned facility in each quadrant of the City, as well as consideration for a facility in the Civic Centre area.

2.1 Phase 1 – Emergency Power Supply Program

This report seeks funding approval to finance a feasibility study to examine the capital budget, siting and installation considerations of Phase 1 of the emergency power supply program. The first phase will consider the existing Edmonds and Bonsor Community Centres, as well as a facility in the Civic Centre area. For the purposes of the proposed feasibility study, staff considered existing and planned facilities (future potential replacement facilities at CG Brown and Burnaby Lake Ice Rink) in the Civic Centre area. It was determined that the Shadbolt Centre for the Arts would be the most suitable facility to equip with emergency power supply based on its site configuration, including parking, dry floor space and on-site amenities.

Edmonds and Bonsor Community Centres, and Shadbolt Centre for the Arts

The feasibility study will:

- assess the existing building conditions to determine site limitations and considerations of each site;
- identify the improvements and/or major renovations required to the interior and exterior of each building;
- determine cost and siting considerations (electrical, mechanical, structural and architectural) of installing/upgrading emergency back-up power supply;
- determine the degree of disruptiveness during construction;
- provide a preliminary cost estimate; and,
- provide a preliminary design concept.

2.2 Phase 2 – Emergency Power Supply Program

For Phase 2 of the Emergency Power Supply program, it is recommended that emergency back-up power be considered through the design development and cost estimate process for a new Community Centre planned for the Brentwood Town Centre (northwest quadrant) and for the replacement of the Cameron Community Centre (northeast quadrant). Funding is not required at this time for the second phase.

3.0 PROJECT FINANCING

In order to advance the first phase of the Emergency Power Supply Program, it is recommended that the Financial Management Committee recommend that Council authorize staff to bring down a Capital Reserves Bylaw in the amount of \$250,000 (inclusive of GST in the amount of \$11,905) to finance the feasibility study to examine and assess identified building sites for the program.

To: Financial Management Committee
From: Major Civic Building Project Coordination Committee
Re: Emergency Power at select Key City Facilities –
Feasibility Study
2017 March 07 Page 3

• Feasibility Study	\$ 238,095.00
GST @ 5%	\$ 11,905.00
	<hr/>
	\$ 250,000.00

A capital funding allocation for this expenditure has been accounted for in the 2017-2021 Annual Financial Plan under the City Hall / Buildings component.

4.0 CONCLUSION

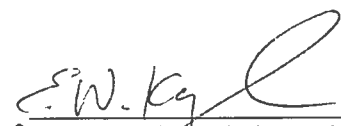
Subject to receiving the necessary funding approval, staff will prepare a Request for Proposal (RFP) to engage a consulting firm in the coming weeks for the Feasibility Study.

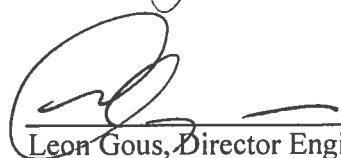
At the end of this feasibility study, staff will advance the findings of the consultant, which will also include a preliminary cost estimate, to undertake the upgrades and work required at each of the identified building locations.

In order to facilitate the feasibility study, it will be necessary to obtain funding for the project as outlined in the report.

It is recommended that the Financial Management Committee recommend Council bring down a Capital Reserves Bylaw in the amount of \$250,000 (inclusive of GST of \$11,905) to finance the Feasibility Study to examine and assess the identified building sites for emergency power.

These expenditures are included in the 2017-2021 Provisional Financial Plan under the City Hall Buildings component, and sufficient Capital Reserves are available to cover the expenditures.


Lou Pelletier, Chair, Major Civic Building
Project Coordination Committee


Leon Gous, Director Engineering

JC/MP/PS:ap

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cc: City Manager
Director Public Safety & Community Services
Chief Information Officer
City Solicitor

Deputy City Manager
Director Finance
Purchasing Manager
Chief Building Inspector