

FINANCE AND CIVIC DEVELOPMENT COMMITTEE

*HIS WORSHIP, THE MAYOR
AND COUNCILLORS*

SUBJECT: ENERGY CONSERVATION PROJECTS

RECOMMENDATION:

1. THAT Council approve expenditure of \$180,000 (inclusive of 12% HST) from the Gaming Funds Reserves to finance seven energy conservation projects, as outlined in this report.

REPORT

The Finance and Civic Development Committee, at its meeting held on 2010 June 24, received and adopted the *attached* report seeking Council's funding approval to undertake energy conservation projects at various locations.

The proposed improvements would reduce energy consumption, green house gases, carbon tax and the lifecycle cost of HVAC equipment currently installed at various Parks and Recreation facilities throughout the City. Occupants would also benefit from the enhanced lighting and the comfort level in each building.

Respectfully submitted,

Councillor D. Johnston
Chair

Councillor N. Volkow
Vice Chair

Councillor C. Jordan
Member

Copied to:	City Manager Director Engineering Director Finance Director Parks, Recr. & Cult. Services
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TO: CHAIR AND MEMBERS
FINANCE AND CIVIC DEVELOPMENT
COMMITTEE

DATE: 2010 June 16

FROM: DIRECTOR ENGINEERING

FILE: 42000 01

SUBJECT: ENERGY CONSERVATION PROJECTS

PURPOSE: To obtain approval from the Committee and Council to undertake energy conservation projects at various locations.

RECOMMENDATION:

1. **THAT** the Committee recommend Council to:
 - a. approve expenditures of \$180,000 (inclusive of 12% HST) for seven energy conservation projects, as outlined in this report;
 - b. allocate \$180,000 (inclusive of 12% HST) from the Gaming Funds Reserves to finance these projects.

REPORT

The 2010 Annual Financial Plan includes provision of \$180,000 (inclusive of 12% HST) for the ongoing program of energy conservation initiatives to be funded from Gaming Funds Reserves. The 2010 budget would be added to the 2009 Council approved energy conservation projects as outlined below. These projects, when complete, would reduce energy consumption, green house gases, carbon tax and the lifecycle cost of HVAC equipment currently installed at various Parks and Recreation facilities throughout the City. Building occupants and users would also benefit from the enhanced lighting and the comfort level in each building. An amount of \$80,000 is also included in the budget request for engineering services in connection with Phase 2 of the energy performance study for civic facilities which will be used to develop the 2011 Energy program.

1. **McGill Library**
Install additional electronic control hardware and software to reduce energy consumption on the heating and air conditioning systems.
2. **Confederation Centre**
Install insulation around the ducts underneath the hall's crawlspace to reduce heat loss.

To: Chair and Members, Finance and Civic Development
Committee
From: Director Engineering
Re: Energy Conservation Projects
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3. Bonsor Recreation Centre and Pool

Replace the existing metal halide lamps with energy efficient lamps in the pool, lobby and gym areas.

4. Burnaby Sports Complex

Install motion sensors in the change-room areas to reduce the unnecessary lighting usage.

5. Burnaby Lake Arena

Replace the existing metal halide lamps with more energy efficient lamps.

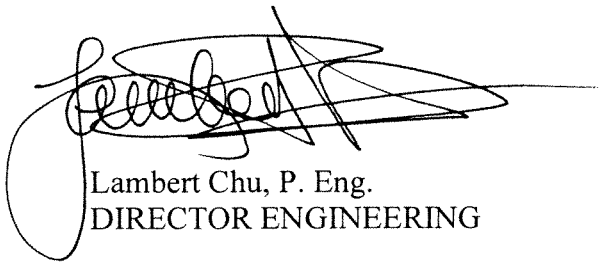
6. Bill Copeland Arena

Redesign and replace the existing metal halide lamps with more energy efficient lamps.

7. Kensington Arena

Replace the existing metal halide lamps with more energy efficient lamps.

To enable work to proceed in a timely manner, it is recommended that Committee and Council approve the allocation of \$180,000 (inclusive of 12% HST) to fund this project. Sufficient Gaming Funds Reserves are available and these expenditures are included in the Energy Conservation component of the 2010 Annual Financial Plan. Staff will pursue grant opportunities from the BC Hydro Power Smart rebate programs.



Lambert Chu, P. Eng.
DIRECTOR ENGINEERING

AAS:br

Copied to: City Manager
Director Finance
Director Parks, Recreation and Cultural Services