

TO: MUNICIPAL MANAGER 1991 OCTOBER 22

FROM: DIRECTOR ENGINEERING FILE: 10-01-12

SUBJECT: WORK ORDER #60-75-009 - ENERGY CONSERVATION PROGRAM -
CONSULTANT SERVICES

PURPOSE: To obtain approval of Work Order #60-75-009.

RECOMMENDATION:

1. THAT Work Order #60-75-009 as more specifically referred to in this report, be approved.

REPORT

60-75-009 Energy Conservation Program - Consultant Services

Charge: 1991-1995 Capital Budget \$50,000
Code 75, Energy Conservation

ADDITIONAL INFORMATION

Discussion:

Engineering consulting services are required to undertake an energy audit and conservation study at the following Municipal facilities:

Bonsor Recreation Centre
Justice Building
Kensington Arena
Burnaby Lake Arena

The above facilities are amongst the largest energy consumption Municipal buildings in Burnaby. The 1990 actual total energy costs for these buildings were \$236,765. The objective of the proposed study is to evaluate the existing operating systems and to identify cost effective improvements that can reduce overall energy consumption.

In 1984, Burnaby engaged an engineering firm to conduct an energy conservation study of the Cameron Recreation Centre and Library, Burnaby Lake Arena, C.G. Brown Pool and the Municipal Hall to identify energy conservation measures and pay back period. Improvement programs based on the recommendations were developed and subsequently implemented. With the changes in energy conservation technology and guidelines, it is recommended that the Burnaby Lake Arena be included in the proposed study to update and review the building operation with respect to B.C. Hydro's Power Smart Program guidelines. Additional energy conservation measures and new technology that would result in further cost saving to the Municipality will be identified in the report.

Program Cost:

The estimated total cost of the study is approximately \$50,000 of which \$25,000 (50%) is eligible for rebate upon the completion of the study under the Power Smart Program. The Power Smart Program is established by B.C. Hydro to provide incentive to its customers to reduce energy consumption and costs. The Municipality would also receive the rebate of the remaining \$25,000 should Burnaby decide to proceed with the recommended improvements.

Funds required for the study are available in the 1991-1995 Capital Budget, Code 75, Energy Conservation. The proposed expenditure is in conformance with the objectives established in the current Capital Program budget review.

LSC:jb

cc: Director Finance


DIRECTOR ENGINEERING