

# City of Burnaby EnergyFit Program

Application for 2005 Energy Aware Award:

## EXECUTIVE SUMMARY

Municipal buildings and operations are significant users of energy. In the 2002-2003 fiscal year, City of Burnaby facilities used over 24.5 million kilowatt hours of electricity, and 112,000 gigajoules of natural gas, at a cost to taxpayers of \$3.5 million. The following submission reports on how the City of Burnaby is implementing an innovative EnergyFit program to retrofit energy efficiency into existing City buildings and promote energy conservation amongst staff. Over the next decade, implementation of this \$6.4 million program will guarantee to:



- \$ reduce electricity use in City facilities by 15% (i.e. 3.7 million kilowatt hours),
- \$ reduce natural gas use by 27% (i.e., 30,240 gigajoules);
- \$ reduce annual water consumption by 20 million litres;
- \$ save \$500,000 in annual energy costs; and
- \$ cut municipal greenhouse gas emissions by 27%.

The EnergyFit program includes an Energy Performance Contract with Honeywell Energy Services and comprehensive staff initiatives. At time of writing, the City is half-way through installing the updated equipment (see **Attachment 1** for project update). Energy retrofits include lighting, heating, building envelope upgrades, control systems, thermal pool covers, and a low-E ceiling on one of the ice arenas.

The City of Burnaby has demonstrated community leadership as the first municipality in British Columbia to implement an Energy Performance Contract. This innovation has been rewarded by incentive grants from Natural Resources Canada and BC Hydro, and provides a model for other municipalities throughout British Columbia.