
CITY OF KELOWNA

MEMORANDUM

Date: October 21, 2004
File No.: 0360-20 EMC
To: City Manager
From: Energy Management Committee
Subject: Energy Management Committee Program Update

RECOMMENDATION:

THAT Council receives an update from the Energy Management Committee activities related to the Community Action on Energy Efficiency Project.

AND THAT Council approves the EMC to single source the project management function of the CAEE pilot project to Willis Energy Ltd. since they are an imperative partner to the City's EMC team.

AND THAT Council receives an overview of the Energy Management Committee (EMC) programs.

BACKGROUND:

Council was advised in March of this year that the EMC (along with other municipalities) had been contacted by the British Columbia Ministry of Energy and Mines (MEM) to submit an application to participate in a new energy efficiency pilot program, being fronted by the BC Provincial Government Ministry of Energy and Mines and Natural Resources Canada (NRCAN).

The EMC are excited to now advise Council that the City was accepted as one of the successful applicants and have recently signed a Contribution Agreement (CA) that will see NRCAN contributing \$45,000 to this project. The project is intended to assist the city in developing a Sustainable Building Plan for Kelowna by using a new development project as a pilot case to review energy efficient approaches and technologies with the development community.

This project will also serve as a method of bringing internal and external stakeholders together to build a template that can then be used as part of future application approval process for new development to ensure energy efficiency designs are incorporated. This program, referred to as the CAEE Program (Community Action on Energy Efficiency) will run from August 15, 2004 until February 2006.

Council should be aware that the EMC have request a proposal for the sustainable building project from Willis Energy Ltd. to fill the role of project manager for this "pilot project". Willis has the expertise, resources available and has been partners of the Energy Management Team since are initial report to Council back in Dec 2002.

To: City Manager
From: EMC

Page 2

October 21, 2004

Total cost of the CAEE pilot project (Kelowna Sustainable Building) will be no more than \$86,000, with NRCAN contributing \$45,000, the COK contributing an estimate \$31,000 previously approved by council, and FortisBC contributing \$10,000. Cascadia Pacific Developments will also be working with City providing sustainability measures, practices and guidelines. Project management will cost an estimated \$56,000.

Other energy efficiency initiatives currently being reviewed at this time by the EMC are:

- Micro Turbine Generation at the Glenmore Landfill Site
- Ultra-Fine Bubble Aeration System at WWTF
- Community Futures Development Corporation of Central Okanagan –(re short listed on potential building retrofit on the Laurel building)
- New Brant's Creek Waste Water Treatment Centre

Potential total kilo-watt hour savings to date (1995-2004) if all projects are completed in 2004 are 6,380,934 Kwh's, with rebates estimated to come in at a total of \$294,556.87

Don Degen,
EMC Chairman

Rod Carle,
Energy Management Coordinator

cc: EMC Committee
Director of Finance and Corporate Services
Director of Works and Utilities