



Revelstoke CEEP Project Backgrounder



What is a Community Energy and Emissions Plan (CEEP)?

A Community Energy and Emissions Plan is a document that guides a community in prioritizing actions to reduce energy consumption and greenhouse gas emissions. A CEEP is typically developed through four main steps:

1. *Energy and Emissions Inventory*

- How much energy is used by residential, commercial and industrial buildings?
- What types of energy is consumed?
- What is the estimated fuel consumption by vehicles in the community?
- How much waste does the community produce?
- Considering the questions above, what are the associated greenhouse gas (GHG) emissions?

2. *Opportunity Assessment*

- Assess the opportunities in a community for energy efficiency, waste reduction, energy conservation and fuel efficiency.
- *Identify any opportunities for alternative energy production.*

3. *Forecast and Targets*

- Estimate the future energy and emissions for a community, usually based on the projected population growth or development in a community.
- Set targets that are realistic and achievable based on the growth of a community, and the opportunities for conservation and reduction.

4. *Recommendations*

- Based on the opportunity assessments, and the targets set for the community, identify the actions that will help contribute to achieving the reduction targets, including refining the Official Community Plan, updating bylaws and changing day-to-day operations.
- Where possible, quantify the estimated savings (this is often difficult, due to the factors involved in achieving GHG emission reduction).

Communities across the province are completing CEEPs to meet the requirements outlined in Bill 27, a piece of provincial legislation that requires that all communities have GHG emission reduction targets and strategies integrated into their Official Community Plan. Further, the Province has established a GHG reduction target of 33% below 2007 levels by 2020. Reaching this target requires the participation of every community in the province.

Why is Revelstoke doing a CEEP?

Revelstoke is completing a CEEP to meet several objectives:

- Refine recent emissions targets
- Identify actions that facilitate energy efficiency and emission reduction
- Ensure policies exist or are developed to support actions identified
- Examine the potential to expand district energy
- Support Revelstoke Community Energy Corporation (RCEC) in creating a Business Plan to guide its long term development

The CEEP will be a standalone document that will ultimately be used to prioritize and implement energy conservation initiatives and GHG emission reduction strategies. Two additional documents will be created through this project, both specific to district energy.

What is the Revelstoke Community Energy Corporation (RCEC)?

- Wholly owned municipal corporation
- Board of Directors is appointed by City Council, including three Councilors a City staff member and three community members
- Developed based on a district energy study in 1997 that identified the opportunity to use wood waste to create energy, improving local air quality and providing an alternative energy source to propane
- Heating plant is located at the Downie Timber Ltd. sawmill. Uses biomass from the sawmill to create steam that heats the kilns at the mill and to heat water that is piped to ten buildings in the community, including the Forum, Community & Aquatic Centre and City Hall
- For more information see: <http://www.cityofrevelstoke.com/edc/energyproject2002.htm>

What will be the outcomes of this project?

- CEEP - identifying targets and strategies for energy consumption and GHG emissions
- District energy pre-feasibility study - evaluating the viability of district energy expansion in the community
- RCEC Business Plan - to guide the future operations of the corporation.

Who is involved in the CEEP?

A **steering committee** was formed by the City of Revelstoke. The following individuals are part of the committee:

- | | |
|--|--|
| - Phil Welock (City Councilor and RCEC Director) | - Geoff Battersby (RCEC) |
| - John Guenther (City Planning) | - Larry Marchand (RCEC) |
| - Jessica Stuart (City Planning) | - Robyn Wark and Travis Streb (BC Hydro) |
| - Brian Mallett (City Engineering) | - Ken Church (NRCan) |
| - Alan Mason (City Economic Development) | - Tony Pham (Terasen) |
| - David Johnson (RCEC) | - Lynda Lafleur (CBT) |

The **project team** is comprised of the following consultants:

- Megan Lohmann, thinkBright Climate Solutions - Project management/CEEP
- Cindy Pearce, Mountain Labyrinths – Communications and Outreach
- Taylor Zeeg, Tim Wilson, Will Cleveland and Trent Berry, Compass Resource Management – District Energy
- Michael Wilson, Enerficiency – Inventory, Opportunity Assessment

What is the timeline for the project?

This project was initiated in August 2010, and will continue until March 2011. There are a few key dates to watch out for:

- October 21st – Community Open House @ 7:00pm in the Community Centre
- January (date TBD) – Community review of the draft report

How can you get involved?

- Come out to the Open House!
- Check out the project website: <http://revelstokecep.weebly.com/>
- Contact Jessica Stuart at the City Planning Department
(Email: jstuart@cityofrevelstoke.com Phone: (250) 837-3637)

