

## **Environmental Sustainability Coordinator Work Plan**

### **1. Solid Waste Reduction**

#### Background

Solid waste management plans are mandated by the Province at the Regional District level. While this is the case, issues relating to recycling and solid waste collection have fallen to the City in the past and have required quick action to form a strategy. In the last city budget money was put aside for bear proof garbage cans, but a plan for implantation was not in place. In the OCP, the development of a solid waste management plan has been identified as a proposed Sustainability Policy in the Community Infrastructure and Services section. The City's lease on the current garbage truck is near completion. The type of truck purchased and the option chosen for curbside garbage collection will have implications on solid waste collection in the city for many years to come.

- Develop a solid waste management plan that addresses issues relating specifically to the City of Revelstoke
- Consult with the Columbia Shuswap Regional District(CSRD) to ensure consistency with the Regional Solid Waste Management Plan
- Work with Bresco Industries to ensure curb-side recycling educational programs are in-place and are effective
- Address issues that pertain to bear proof garbage cans, organic waste diversion and composting
- Work with the CSRD and potential funding partners to develop a yard waste and septage windrow composting facility
- Research options for household organic waste collection, and a composting and processing facility

### **2. Water Conservation**

- Evaluate and prioritize actions in the 2007 City of Revelstoke Water Conservation Strategy
- Take advantage of CBT Water Smart Funding
- Coordinate the completion of a Water Metering Feasibility Study, as identified in the 2012 Engineering and Public Works Capital Projects Plan
- Evaluate options to provide incentives for low water use fixtures

### **3. Greeley Creek Watershed Management Plan**

#### Background

A funding application for \$10,000 to the CBT Communities Adapting to Climate Change Initiative (CACCI) was approved March 2012, including an additional \$3000 in-kind technical support. The proposal meets the requirements of Interior Health as well as addressing climate change adaptation. The City is required to meet the Interior Health's Drinking Water Provider Permit to Operate by November 2013.

- Coordinate a steering committee for the development and guidance of the plan
- Ensure the plan meets the requirements of Interior Health's Drinking Water Provider Permit to Operate
- Coordinate required technical expertise i.e. geotechnical, forestry, microbiology, etc.
- Understand potential impacts to the watershed as a result of climate change and identify ways to adapt to these impacts
- Coordinate and facilitate public workshops

#### **4. Clean Air Strategy**

- Complete a municipal clean air strategy including idle reduction, wood burning and dust mitigation
- Implement the strategy including public education and awareness

#### **5. Corporate Energy and Emissions Plan**

##### Background

By reducing energy consumption the City reduces GHG emissions and operating cost, also reducing the cost to purchase carbon offsets to be carbon neutral in the future. The City was recognized by the FCM for completion of the first three milestones of Partners for Climate Protection in June 2011. The framework includes a 5 milestone approach with the remaining milestones being Milestone four (Implementation) and Milestone 5 (Reporting).

- Research available funding opportunities and programs to implement actions and projects identified in the plan
- Benchmark the municipal fleet utilizing new data available through the bulk purchasing key lock system
- Develop municipal “green policies” relating to purchasing, contracted out services and waste reduction
- Research the feasibility to complete Milestone 4 (Implementation) of the FCM Partners for Climate Protection program

#### **6. Corporate Greenhouse gas emissions inventory and reporting**

##### Background

As a signatory of the Climate Action Charter, reporting on 2012 emissions will be required in March 2013. Approximately 1/3 of signatories to the Climate Action Charter and ½ of the municipalities in the Carbon Neutral Kootenay Initiative have chosen to purchase the Provincial Smart Tool for local governments. The Smart Tool has an annual charge based on the amount of emissions produced by a municipality (approximately \$1300 for Revelstoke). The City of Revelstoke is using a spreadsheet developed to complete the corporate inventory in 2010, and is not purchasing the Smart Tool. As a result the City is saving money, but some time is required to ensure emission factors are updated to meet provincial requirements.

- Provide support to municipal staff to input annual energy data
- Ensure the inventory meets the provincial annually updated requirements for inventory reporting
- Complete the CARIP Public Report detailing direct and supportive actions that have occurred, and are planned, at the corporate level

#### **7. Community Energy and Emissions Plan (CEEP)**

##### Background

The CEEP and DEEP were completed by consultants in 2010. The plans have not been brought to council at this time. The plans will require OCP changes and contains many policy changes and actions that will impact energy consumption in the City.

- Present the CEEP to City council
- Coordinate and facilitate public hearings and an information exchange regarding the CEEP
- Draft OCP changes where indicated
- Submit the CEEP to FCM for accreditation of milestone 1-3 of FCM Partners for Climate Protection for community energy and emissions
- Support implementation actions identified in the CEEP relating to Community Education and Outreach, Solid Waste, and Building and Renewable Energy

## **8. Community GHG Emissions and Sustainability Reporting**

### Background

A sustainability goal identified in the OCP is the annual evaluation of the Sustainability Framework using the Ecological Footprint or LEED Neighbourhood Development. It is unclear whether the ICSP will inform these evaluation processes. It would be valuable to have a good understanding of these tools moving forward with the ICSP. The CEEI was completed for baseline year 2007. A CEEI for 2010 and an update to the 2007 baseline was expected to be released in July 2011, but has been delayed. It was anticipated in the first quarter of 2012, but has not been released at this time.

- Complete CARIP public reporting indicating direct and supportive reduction actions at the community level
- Research LEED Neighbourhood Development (ND) as a tool to evaluate the Sustainability Framework in the OCP
- Utilize the Community Energy and Emissions Inventory (CEEI) to evaluate progress toward meeting the community GHG emissions reduction target

## **9. Integrated Community Sustainability Plan (ICSP)**

- Provide support to the ICSP steering committee
- Ensure key environmental targets and goals are identified in the plan