

# Memo



**Date:** May 31, 2010  
**File:** 1200-90  
**To:** City Manager  
**From:** Tracy Guidi, Sustainability Coordinator  
**Subject:** Sustainability Roundtable Key Actions

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## **Recommendation:**

THAT Council receive for information the May 31, 2010 report from the Sustainability Coordinator with respect to the Key Actions recommended by the Sustainability Roundtable .

AND THAT the May 31, 2010 report from the Sustainability Coordinator with respect to the Key Actions recommended by the Sustainability Roundtable be forwarded to members of the Sustainability Roundtable for information.

## **Purpose:**

On February 8, 2010 Council directed staff in Service Request 161761 to report back to Council with respect to the key actions identified in the Sustainability Roundtable report and how the City can implement policies to move forward with sustainability measures.

## **Background:**

The Sustainability Roundtable is a group of professionals interested in sustainability issues and actions. A community led initiative, the Roundtable met in October 2009 and several staff and Council attended this inaugural meeting.

On February 8, 2010, David Jenkins, Borcom Associated Consultants, reported the results of the October 2009 Sustainability Roundtable to Council. As part of this report, three Key Actions were identified:

1. Develop goals within the OCP and then go back to the public. Take goals to the community at large with clear descriptions. Ask the community what they can do and what we should do.
2. Pick a project that can be used as a clear demonstration of sustainability in action.
3. Establish three (3) goals for this community within the next three months and use the San Jose goals as an example.

While it is an initiative of the Roundtable to move these actions forward, described below are numerous City initiatives already underway achieving the desired outcomes of the above noted actions.

### **Develop goals within the OCP and then go back to the public.**

Each policy in the draft revised Official Community Plan meets at least one of the four pillars of sustainability: economic, environmental, social and/or cultural. Substantial public consultation through Future OK, OCP surveys and open houses, has already been done to date incorporating input from a wide range of citizens and groups. Further public input and stakeholder opportunities are planned during the Summer and Fall of 2010, prior to the finalization of the OCP.

### **Pick a project that can be used as a clear demonstration of sustainability in action.**

Further discussion with David Jenkins identified that the Sustainability Roundtable would help promote a project that is a grassroots community initiative.

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Many organizations are already doing sustainable projects including Interior Health Authority, University of British Columbia - Okanagan, Okanagan College and the City. Some of the initiatives the City is working on include:

1. **Corporate Initiatives** - Corporately, the City has signed on to the BC Climate Action Charter and in doing so, has committed to becoming carbon neutral by 2012. To meet this commitment the City is currently working on a Corporate Energy and Greenhouse Gas Emissions Climate Action Plan. The City is already involved in numerous on-the-ground projects aimed at reducing GHG emissions including solar initiatives, landfill gas recovery and district energy.
2. **Community Initiatives** - Kelowna's 2007 greenhouse gas profile showed that 57% of the community's emissions come from transportation, 35% from buildings and 8% from waste. Recently, Council adopted an OCP amendment that "The City of Kelowna will, in partnership with: senior governments; local residents and businesses; NGOs; external agencies; and utility providers, work towards reducing community greenhouse gas emissions by 33% by 2020." Numerous projects are underway that will help the community reach this goal, including OCP 2030, automated curbside collection program, alternative transportation initiatives such as multi-modal corridors, an Active Transportation Plan, an Urban Forestry Strategy and a Community Climate Action Plan.

**Establish three (3) goals for this community within the next three months and use San Jose as an example.**

With a population of over 1 million people, the City of San Jose, California adopted their Green Vision Plan in 2007. Green Vision is a comprehensive fifteen-year plan to create jobs, preserve the environment, and improve the quality of life for San Jose's community. The plan is comprised of ten aggressive goals related to jobs, energy, water, waste, trees and transportation.

During further discussion with David Jenkins, he suggested that at the next Roundtable meeting, the group would further review the San Jose goals and look for opportunities to adopt goals for Kelowna.

Although the targets may differ, the City of Kelowna and other organizations are working on making many of the San Jose Green Vision goals a reality in Kelowna. The table provided in Appendix A provides a brief outline on what is being done in our community to date. This table will be made available to the Sustainability Roundtable at their next meeting.

**Future Opportunities**

Staff recognizes that working collaboratively to determine parallel goals with other stakeholders, including members of the Sustainability Roundtable, will enhance our sustainability efforts. To that end, staff will continue to participate in the Sustainability Roundtable and will seek input from the Roundtable later this year on a Community Climate Action Plan discussion paper.

**Internal Circulation:**

General Manager Community Sustainability  
General Manager Community Services

**Considerations not applicable to this report:**

**Legal/Statutory Authority:**

**Legal/Statutory Procedural Requirements:**

**Existing Policy:**

**Financial/Budgetary Considerations:**

**Personnel Implications:**

**External Agency/Public Comments:**

**Community & Media Relations Comments:**

**Alternate Recommendation:**

Submitted by:



T. Guidi, Sustainability Coordinator

Approved for inclusion:



S. Bagh, Director, Policy & Planning

## Appendix A: Comparing San Jose Green Vision Goals with the City of Kelowna

	San Jose Green Vision Goals	What is being done in the City of Kelowna
1	Create 25,000 Clean Tech jobs as the World Center of Clean Tech Innovation	<ul style="list-style-type: none"> <li>To meet Corporate GHG targets, the City will seek and prioritize local consultants, contractors and goods providers for retro-fit and green design expertise. This in turn will allow local firms to provide goods and services outside of our community helping to create “green economy” jobs.</li> </ul>
2	Reduce per capita energy use by 50 percent	<ul style="list-style-type: none"> <li>The OCP outlines the following policy for the reduction of greenhouse gas: “The City of Kelowna will, in partnership with: senior governments; local residents and businesses; NGOs; external agencies; and utility providers, work towards reducing community greenhouse gas emissions by 33% by 2020.”</li> <li>FortisBC has a target to reduce their load growth by 27% in 2010 and by 50% by 2020.</li> <li>In addition to a 33% reduction by 2020, the Province is also targeting an 80% reduction by 2050.</li> </ul>
3	Receive 100 percent of our electrical power from clean renewable sources	<ul style="list-style-type: none"> <li>Kelowna’s power is provided by FortisBC. Currently 85-88% of that power is generated by hydroelectric dams, a clean renewable source.</li> <li>The City currently uses waste heat from the Waste Water Treatment Facility to heat Okanagan College.</li> <li>The City is at the feasibility phase of two district energy systems deploying waste heat, one in South Pandosy area and the other in the City Centre.</li> </ul>
4	Build or retrofit 50 million square feet of green buildings	<ul style="list-style-type: none"> <li>The Corporate Energy Plan that is currently underway will identify retrofits for civic properties that will help reach the goal of being carbon neutral by 2012.</li> <li>The Province requires all public buildings be carbon neutral by 2010 (including schools and public health facilities).</li> <li>Both Fortis BC and Terasen Gas provide incentives to help make buildings more energy efficient.</li> </ul>
5	Divert 100 percent of the wastes from our landfill and convert waste to energy	<ul style="list-style-type: none"> <li>The Solid Waste Management Plan (approved in 2008) identifies a waste diversion target of 54 percent by 2011 and 66 percent by 2019.</li> <li>Landfill gas is captured at the Glenmore Landfill and can be used to run microturbines to turn it into energy, enough to power up to 50 homes. Excess landfill gas is flared converting the methane into carbon dioxide, hence reducing greenhouse gas emissions.</li> <li>Seeking partnerships to make use of all the bio-gas rather than flaring it off.</li> </ul>
6	Recycle or beneficially reuse 100 percent of our wastewater	<ul style="list-style-type: none"> <li>The City's wastewater system currently services close to 80% of Kelowna’s population. The Waste Water Treatment Facility is being expanded to increase treatment capacity from 40 to 70 million litres per day. The high quality treated water is then returned to Okanagan Lake where it becomes part of the ecosystem.</li> </ul>
7	Adopt a General Plan with measurable standards for sustainable development	<ul style="list-style-type: none"> <li>Each policy in the draft revised Official Community Plan meets at least one of the four pillars of sustainability: economic, environmental, social and/or cultural.</li> <li>In order to promote sustainable development in the community, the City has developed three sustainability checklists that should accompany Multi-Unit or Commercial development proposals. The checklists address the four pillars of sustainability: economic, environmental, social and cultural.</li> </ul>

	San Jose Green Vision Goals	What is being done in the City of Kelowna
		<ul style="list-style-type: none"> <li>• Measurement tools are being developed for a multiple bottom line approach to the evaluation and prioritization of capital projects.</li> <li>• Work is underway to identify indicators to measure community sustainability related specifically to the City's policy direction.</li> </ul>
8	Ensure that 100 percent of public fleet vehicles run on alternative fuels	<ul style="list-style-type: none"> <li>• To date the city has 17 smart cars and 3 hybrids.</li> <li>• Implementing recommendations from the E3 Fleet Management Action Plan will assist the City in achieving a fuel efficient and lower emissions fleet as well as assist the City in achieving its Corporate GHG reduction target.</li> </ul>
9	Plant 100,000 new trees and replace 100 percent of our streetlights with smart, zero-emission lighting	<ul style="list-style-type: none"> <li>• An Urban Forestry Management Plan is being initiated this year to guide future cover targets that will optimize the potential environmental, economic and recreational benefits of urban trees.</li> <li>• In its second year, the NeighbourWoods Program is a residential planting initiative developed by Parks Services and co-sponsored by FortisBC to encourage citizens and communities to grow and preserve Kelowna's urban forest. Planting a shade tree helps reduce household energy consumption.</li> <li>• The City has been working on a variety of initiatives to reduce emissions from street lighting including: <ul style="list-style-type: none"> <li>○ Replacement of signal lights at 70 intersections with light emitting diodes (LEDs) providing a 90% savings in electricity.</li> <li>○ Installation of 100 solar powered area lights in community parks, paths and other public spaces.</li> <li>○ Replacement of 22 powered parking kiosks with solar versions, with plans to replace more over the next 5 years.</li> <li>○ Installation of over 50 solar powered pedestrian signals.</li> </ul> </li> </ul>
10	Create 100 miles (161 km.) of interconnected trails	<ul style="list-style-type: none"> <li>• The vision to be accomplished by the implementation of the recently completed Linear Parks Master Plan is "An interconnected network of outstanding linear parks, serving all forms of non-vehicular movement, linking points of interest throughout the City, and providing healthy and diverse transportation and outdoor recreation opportunities.</li> <li>• The City already has 88 km of existing trails. The Linear Parks Master Plan proposes an additional 56 km of trails over the next 10 years and a further 300 km of trails for the long term future.</li> </ul>