

# City of Chelan

## Sustainability Steering Committee

### “Energy” briefing paper

April 28<sup>th</sup>, 2010

#### Approaches to addressing energy use

At the local level, energy use may be addressed by:

- Evaluating vulnerabilities to changes in energy supply
- Increasing resilience (strengthening the community’s ability to respond to stresses related to changes in energy supply and costs)
- Planning for anticipated impacts of changes in energy availability
- Economic re-localization
- Recruiting clean-energy businesses
- Using alternative energy sources (e.g., solar power; methane recovered from waste processing)
- Reducing energy consumption through energy management, efficiency and conservation; includes reducing embedded energy in building materials
- Transportation efficiency, including through urban design, public transportation, and development of non-motorized facilities
- Cultural/lifestyle changes

Currently, the Utilities Element of the City’s Comprehensive Plan includes two policies related to energy use:

**Goal 1, Policy 6:** Encourage the use of energy conservation design strategies in new construction and rehabilitation of residential, commercial, industrial and public facility structures. *Rationale:* As the planning area develops, the demand for energy will grow. Conservation is vital to continue serving the community and maintain productive and livable lifestyles.

**Goal 1, Policy 7:** Encourage conservation and use of cost-effective alternative energy sources, such as solar and wind power. *Rationale:* Water used to generate electricity is under increased demand for many different purposes. Energy conservation is essential as the planning area accommodates more people. The utilization of other energy sources should be explored and implemented where feasible.

#### Resources

- *Peaking of World Oil Production: Impacts, Mitigation, & Risk Management:*  
[http://www.netl.doe.gov/publications/others/pdf/Oil\\_Peaking\\_NETL.pdf](http://www.netl.doe.gov/publications/others/pdf/Oil_Peaking_NETL.pdf)
- Energy Net, a clearinghouse for current information regarding the peak in global energy supply:  
<http://www.energybulletin.net/>
- Chelan County PUD—Conservation and the Environment:  
<http://www.chelanpud.org/environmental.html>
- *Redefining Prosperity: Energy Descent and Community Resilience Report of the Bloomington Peak Oil Task Force:* <http://bloomington.in.gov/media/media/application/pdf/6239.pdf>
- *City of Portland Peak Oil Task Force Briefing Book:*  
<http://www.portlandonline.com/bps/index.cfm?c=43027&a=126582>
- *City of Bellingham Greenhouse Gas Inventory and Climate Protection Action Plan:*  
<http://www.cob.org/documents/pw/environment/2007-04-12-Greenhouse-gas-inv-rpt-and-action-plan.pdf>
- City of Edmonds Community Sustainability Element:  
[http://www.ci.edmonds.wa.us/CityDepartments/Climate\\_Prot/Sustainability%20Element%20draft8\\_2009-10-01\\_clean.pdf](http://www.ci.edmonds.wa.us/CityDepartments/Climate_Prot/Sustainability%20Element%20draft8_2009-10-01_clean.pdf). Climate protection is one of three focus areas in the element.