

# Sustainable Communities Services

## Climate Action Charter

Communities in BC are preparing to address the Climate Action Charter commitments to:

- *Become carbon neutral by 2012*
- *Measure and report on their community's GHG emissions profile; and*
- *Create complete, compact, more energy efficient rural and urban communities.*

Hemmera provides a unique blend of complimentary skills and experience to support communities in meeting the Climate Action Charter objectives, as well as long-term planning for climate change effects.

The Hemmera team brings proven experience and a unique multi-disciplinary perspective to sustainability planning. Our programs and processes have been developed through working with clients in a variety of sectors, including energy, infrastructure development, tourism, transportation, forestry, manufacturing, agriculture and aquaculture.

## Our Sustainable Communities Services



### Carbon Footprint Analysis

Carbon neutrality starts with a comprehensive inventory of your community's current GHG footprint, then identifying opportunities to reduce and/or offset emissions. Hemmera can complete greenhouse gas inventories in-house, or build local carbon accounting capacity through training and support services.

### Carbon Neutral Strategy and Action Planning

Hemmera provides guidance in interpreting carbon inventories and prioritizing areas for GHG reduction and offset plans. We work with the community to evaluate the costs and benefits of different alternatives, and facilitate the development of emission-reduction and carbon-offset strategies.

### Action Plan Implementation Services

Hemmera supports the development and implementation of reporting and measurement systems for ongoing tracking of emission reductions. Through our network of environmental, engineering and planning professionals, we can also assist clients in accessing specialized resources to support emission reduction programs. This includes connecting communities to a wide variety of funding sources available for local governments.

### Community Education and Awareness

Hemmera supports the development and delivery of communications plans, social marketing campaigns, educational workshops and presentations.

## Our Partners

- Rural Futures - Associates in Rural Community Development
- Naut'sa mawt Resources Group - Aboriginal environmental and socioeconomic consulting

# Sustainable Communities Services

## Hemmera's Experience and Expertise



health risks

### ***Greenhouse Gas Management***

- Working with the Ministry of Transportation to develop GHG reduction measures to be integrated into highway construction and maintenance works
- Advised Infrastructure Canada and RCMP on options for addressing sustainability and GHG reduction for buildings, including the Vancouver Convention Centre
- Assisted Hemlock Printers in identifying options for reducing process related VOC emissions in order to reduce GHG emissions and minimize occupational

### ***Climate Change Adaptation Planning***

- Developed a Climate Change Adaptation Action Plan for Hall Beach (Nunavut) as part of NRCan, pilot project
- Presented to federal and provincial governments on best practices for addressing climate change in infrastructure planning and environmental assessment processes
- Modelled the impact of climate change on the Englishman River floodplain, and recommended adaptation measures

### ***Community Planning***

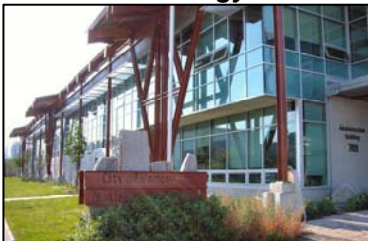


- Conducted community-level alternative energy workshops for First Nations communities in BC
- Sponsored UBCM sustainability award (2008) to recognize excellence in local government sustainability planning
- Conducted community planning processes with BC First Nations including the development of comprehensive community plans (CCPs)

### ***Sustainability Measurement and Reporting***

- Developed sustainability indicators for Fraser Basin Council and VANOC
- Developed climate change indicators for Environment Canada
- Developed internal sustainability performance management plan and report

### ***Alternative Energy***



- Geo-exchange planning experience on a number of projects in BC, including City of Vancouver and City of Surrey District Energy Planning project
- Active involvement in the Independent Power Producers of BC (IPPBC) and the Canadian Wind Energy Association (CANWEA)
- Involved in the development of alternative energy projects including wind and tidal energy

### ***Infrastructure Planning***

- Developed decision making tool for Metro Vancouver to integrate sustainability considerations into capital works planning and infrastructure development
- Carbon sequestration modelling and planning in northern BC
- Worked with Western Economic Diversification to review environmental assessments for community infrastructure funding proposals through the Canada BC Infrastructure Program