

**BRITISH COLUMBIA**  
The Best Place on Earth

The Climate Action Secretariat

**Climate Action Secretariat**

**Business Development**

- Western Climate Initiative
- Cap and Trade
- Offsets
- Industry working groups

**Climate Change policy**

- Cabinet Committee on Climate Action – Clean Energy
- Sector Analysis
- Legislative agenda

**BRITISH COLUMBIA**  
The Best Place on Earth

The Climate Action Secretariat

**Climate Action Secretariat**

**Intergovernmental Relations**

- Lead and advance BCs climate action agenda nationally and internationally,
- Federal Government relations
- The Climate Registry

**Adaptation and Regulatory Neutral Development**

- Lead key regulatory and non-regulatory elements
- Advising on GHG reduction legislation
- GHG Inventory
- Regional Adaptation Collaborative

BRITISH COLUMBIA  
The Best Place on Earth

The Climate Action Secretariat

**Climate Action Secretariat**

**Outreach and Carbon Neutrality Government**

- Carbon Neutral Government 2010
- Local Government – Green Communities
- Engagement




BRITISH COLUMBIA  
The Best Place on Earth

The Climate Action Secretariat

**Action to Date on Climate Change**

- 8 significant pieces of legislation
- Climate Action Charter
- Carbon tax, cap-and-trade development, offsets
- Carbon neutral government
- Public engagement and outreach
- Low carbon economic development
- Leadership in key partnerships
- Adaptation strategy



BRITISH COLUMBIA  
The Best Place on Earth

The Climate Action Secretariat

**“Even in the absence of national and international commitments, we must not ignore the tremendous movement that is already under way to solve our environmental and energy problems.”**

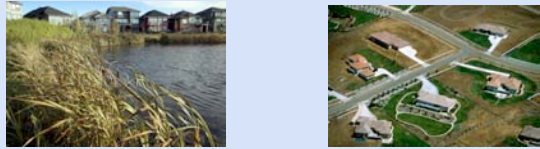
**“...the tremendous role of sub-national governments in climate-change mitigation.”**

BRITISH COLUMBIA  
The Best Place on Earth

The Climate Action Secretariat

**Climate Action Charter - 178 signatories to date**

- measure and report on GHG emissions
- create complete, compact, more energy efficient communities
- fast tracking of green development projects
- adopt zoning practices that increase density and reduce sprawl.



BRITISH COLUMBIA  
The Best Place on Earth

The Climate Action Secretariat

**...And**

**Becoming carbon neutral in respect to corporate operations by 2012**

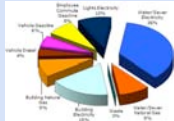


BRITISH COLUMBIA  
The Best Place on Earth

The Climate Action Secretariat

**Including...**


- “developing a common approach to determine carbon neutrality “
- “becoming reporting entities under the Climate Registry “



BRITISH COLUMBIA The Best Place on Earth The Climate Action Secretariat

## Carbon Neutral


- refers to reducing a local government's greenhouse gas emissions as much as possible and balancing the remaining emissions through the purchase or production of qualified offsets.



BRITISH COLUMBIA The Best Place on Earth The Climate Action Secretariat

## Steps to Carbon Neutral

- Measurement
  - Corporate
  - Community
- Reduction / Mitigation
- Offsets
- Reporting



BRITISH COLUMBIA The Best Place on Earth The Climate Action Secretariat

## Leadership

Emission reductions

- Improves efficiency
- Reduces energy costs
- Strengthens performance



BRITISH COLUMBIA The Best Place on Earth The Climate Action Secretariat

## Measurement SMARTTool LG

- a tool that aggregates and calculates the carbon footprint from building and fleet emissions
- web based
- planned to be provided at a subsidized cost to local governments in preparation for 2012

BRITISH COLUMBIA The Best Place on Earth The Climate Action Secretariat

## SMARTTool LG pilot is...

- underway in April 2010 with a limited number of local governments to see if and how it will meet the needs of local governments
- Intended to determine
  - Is SMARTTool the right tool for Local Government?
  - How does SMARTTool compare to other tools in use by local government to measure their corporate emissions?

BRITISH COLUMBIA The Best Place on Earth The Climate Action Secretariat

## SMARTTool LG pilot

Objectives

- Effectiveness – Ease of use, cost effectiveness,
- Confirms reporting standard
- Tests if other tools results can “roll-up” into SMARTTool
- Works with CARIP
- Provides scope clarification (*what is measured*)

BRITISH COLUMBIA The Best Place on Earth The Climate Action Secretariat

## Why SMARTTool LG?

- One tool – fair, transparent and equitable results as LGs consider offsets
- Consistency in the integration of international protocols and ongoing updates, Web based
- Better comparability and lower audit and verification costs
- Improved accuracy and a reduction in estimation errors.
- Same tool as provincial government and broader public sector

BRITISH COLUMBIA The Best Place on Earth The Climate Action Secretariat

## Reduction

- Identify where and how to reduce fossil fuel and energy use.
- [www.toolkit.bc.ca](http://www.toolkit.bc.ca).

BRITISH COLUMBIA The Best Place on Earth The Climate Action Secretariat


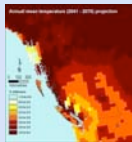
## Offset

- Is an investment in verifiable emission reduction projects
- is an emission reduction credit purchased from another organization for a project that results in less carbon emitted into the atmosphere than would have otherwise occur. The buyer subtracts the offset, normally measured in tons of CO2 equivalent (CO2e) from its own emission inventory.
- Currently underdevelopment ...a credible framework local governments can use to offset their remaining emissions.

BRITISH COLUMBIA The Best Place on Earth The Climate Action Secretariat

## Adaptation

- Warming, fastest in the north
- Changing precipitation patterns
  - Changing stream flows will affect power generation
  - More extreme temp. & precipitation events (flooding)
- Rising sea levels, coastal erosion


- Reducing emissions is critical but will not avoid significant impacts.
- Historical climate patterns cannot be relied upon.
- Adaptation strategies are essential to minimize negative impacts and take advantage of opportunities.

BRITISH COLUMBIA The Best Place on Earth The Climate Action Secretariat

## Adapting to the Impacts

*VISION: British Columbia is prepared for and resilient to the impacts of climate change*

- **Living Water Smart:** water conservation, drought response, flood protection guidelines
- **Ocean & Coastal Strategy:** response to sea level rise
- **Infrastructure Grants:** consider climate change impacts
- **Regional Adaptation Collaborative:** preparing for changes in water quantity and timing of supply; \$7 million value, including \$3.3 federal cash contribution
- **\$90 M endowment for climate research** : PICS - 4 B.C. universities, research on climate mitigation technology and policy options; PCIC - climate change projections for B.C.





BRITISH COLUMBIA The Best Place on Earth The Climate Action Secretariat

Climate Action Secretariat  
<http://www.climateactionsecretariat.gov.bc.ca/index.html?sec>

Climate Action Toolkit Website  
[www.toolkit.bc.ca](http://www.toolkit.bc.ca)

Ministry of Community and Rural Development Staff:  
<http://www.cd.gov.bc.ca/ggd/> (go to staff contacts/planning analyst)  
[Narissa.Chadwick@gov.bc.ca](mailto:Narissa.Chadwick@gov.bc.ca)

Fraser Basin Council Smart Planning For Communities:  
[http://www.fraserbasin.bc.ca/programs/spc\\_sustainability\\_facilitators.html](http://www.fraserbasin.bc.ca/programs/spc_sustainability_facilitators.html)

