BC Climate Action Target:

reducing BC’s GHG emissions by at least 33% below 2007 levels by 2020 and at least 80% below by 2050
Cabinet Committee For Climate Action

- Chaired by Premier
- Climate action legislative and budget package
- Includes Ministries of:
  - Environment, Finance, Energy and Mines, Community Services, Transportation, Labour & Citizen’s Services, Forests & Range, and Small Business & Revenue
Climate Action Team

- Blue-ribbon team of leaders
  - From: business, the scientific and environment communities, First Nations, and academia
- Recommend targets for 2012 and 2016
- Identify further actions required to meet 2020 target
- Report due July 2008
- Will go out for public review
5 Key Strategies

1. Regulation
2. Fiscal measures
3. Market mechanisms
4. Support for technology
5. Behaviour change
Taking Action in Every Sector

Fossil Fuel Production & Industry
- Cap and trade system
- Self sufficiency

Waste
- Landfill methane capture

Industry
- Cap and trade system
- Self sufficiency

Electricity
- Waste
- Agriculture

Transportation
- Tailpipe standards
- Low carbon fuel standard
- Hydrogen highway

Residential & Commercial
- Green Building Code
- Green developments
- Smart metering
- Energy retrofits
- Energy efficiency standards

Agriculture
- Anaerobic digesters
- Improved fertilizer application
- Bioenergy

Taking Action in Every Sector

<table>
<thead>
<tr>
<th>Sector</th>
<th>Contributions</th>
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<tbody>
<tr>
<td>Fossil Fuel Production</td>
<td>21%</td>
</tr>
<tr>
<td>Industry</td>
<td>15%</td>
</tr>
<tr>
<td>Agriculture</td>
<td>4%</td>
</tr>
<tr>
<td>Waste</td>
<td>8%</td>
</tr>
<tr>
<td>Electricity</td>
<td>3%</td>
</tr>
<tr>
<td>Residential &amp; Commercial</td>
<td>11%</td>
</tr>
<tr>
<td>Transportation</td>
<td>38%</td>
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</tbody>
</table>
Legislation

Nov 2007: Greenhouse Gas Reduction Targets Act

Spring 2008:

Cap and trade
Landfill gas
Energy Plan
Green Communities

Low carbon fuel
Utilities Commission
Tailpipe standard
Carbon Tax Act
Budget 2008

• Revenue-neutral carbon tax

• $1 billion on climate action initiatives

• Climate Action Dividend
Revenue-Neutral Carbon Tax

2008/09 through 2010/11; $ millions

<table>
<thead>
<tr>
<th>Carbon tax revenues</th>
<th>Tax reductions</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,849</td>
<td>1,849</td>
</tr>
</tbody>
</table>

- Small business corporate income tax reductions: 255
- Corporate income tax reductions: 415
- Low income climate action tax credit: 395
- Personal income tax reductions: 784
Climate Action Dividend

- $440 million
- $100 for every British Columbian
- Assist green lifestyle transition
The Climate Registry (TCR)

- International partnership of 55 states, provinces and tribes
- Voluntary registry
- Collect and provide emissions data
- Accepting data summer 2008
British Columbia Climate Action Charter

Local government signatories commit to developing strategies and taking action to achieve three goals:

1. being carbon neutral in 2012;
2. measuring and reporting GHG emissions;
3. creating complete, compact, more energy efficient rural and urban communities.
Throne Speech Commitments

- Local Motion
- Towns for Tomorrow
- B.C. Spirit Squares
- Smart metering in every home by 2012
- LiveSmartBC lifestyle audits
- A new multi-year investment to revitalize Vancouver’s Downtown Eastside.
- Brownfield to Greenfields redevelopment strategy
- New inclining block rate structure
UBCM Commitments

- GHG emission reduction strategies and targets made a legal requirement of all OCPs
- New authority to use development cost charges
- GVRD to be granted new authority to produce and sell clean hydro power
- $50 million to B.C. Transit
- Higher densities encouraged around new transit routes
Provincial Transit Plan

- $14B to double transit ridership by 2020
- $370M this year for capital and operating expenses to improve and expand public transportation
- Evergreen Line, UBC Line, Expo Line, and Canada Line
- Smart-card system
- RapidBus BC
- 1,500 new clean energy buses and related infrastructure
Benefits

- Better health
- Reduced GHG emissions
- Lower servicing costs
- Increased productivity
- Affordable housing
- Ecological renewal
- Green jobs
Carbon Neutral Government Leading the Way

Core government

Schools

Hospitals

Crown corporations

Universities & Colleges

Health Authorities
Stepping towards Carbon Neutral

1. Accurately measure GHG emissions
2. Aggressively reduce GHG emissions
3. Use standardized carbon offsets program to offset what emissions cannot be reduced now
Public Sector Carbon Footprint

- Buildings,
- Fleet operations,
- Energy consumption,
- Business travel, and
- May also include other procurement and contracted services
Public Sector Energy Conservation Agreement

• 3 Pillars:
  1. 20% energy reduction by 2020
  2. Enhanced energy audit program by 2010
  3. Accelerated alternative energy innovation

• BC Hydro contributes $80M for building retrofits (over 12 years)

• Term: 2008-2020
GHG sources & Local Government

- Buildings
  - eg. Rec centres & public works operations
- Vehicles
  - Eg. Sanitations trucks and vehicles
- Procurement
- Business Travel
- Measurement
- Reporting
What is an Offset?

A GHG offset is generated by the:

• reduction
• avoidance
• or sequestration

of GHG emissions from a specific project
Pacific Carbon Trust

- Offset necessary GHG emissions by investing in projects such as:
  - improved energy efficiency,
  - production of clean, renewable energy,
  - increase storage of carbon in the natural environment.

- Launched in 2008
Pacific Carbon Trust

- Tool for moving towards carbon neutrality.
- For every tonne of GHG created by government travel, the Province will deposit $25 into the Trust.
- Money invested in trust will be reinvested in made-in-B.C. carbon offset projects
Pacific Carbon Trust

- Examples of GHG offset projects that may be funded by the Trust:
  - development of micro-hydro plants to replace the use of dirty diesel to generate electricity in rural and remote communities.
  - installation of geothermal heat exchanges in buildings and greenhouses.
  - encouraging integrated environmental building design.