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Climate Action in British Columbia



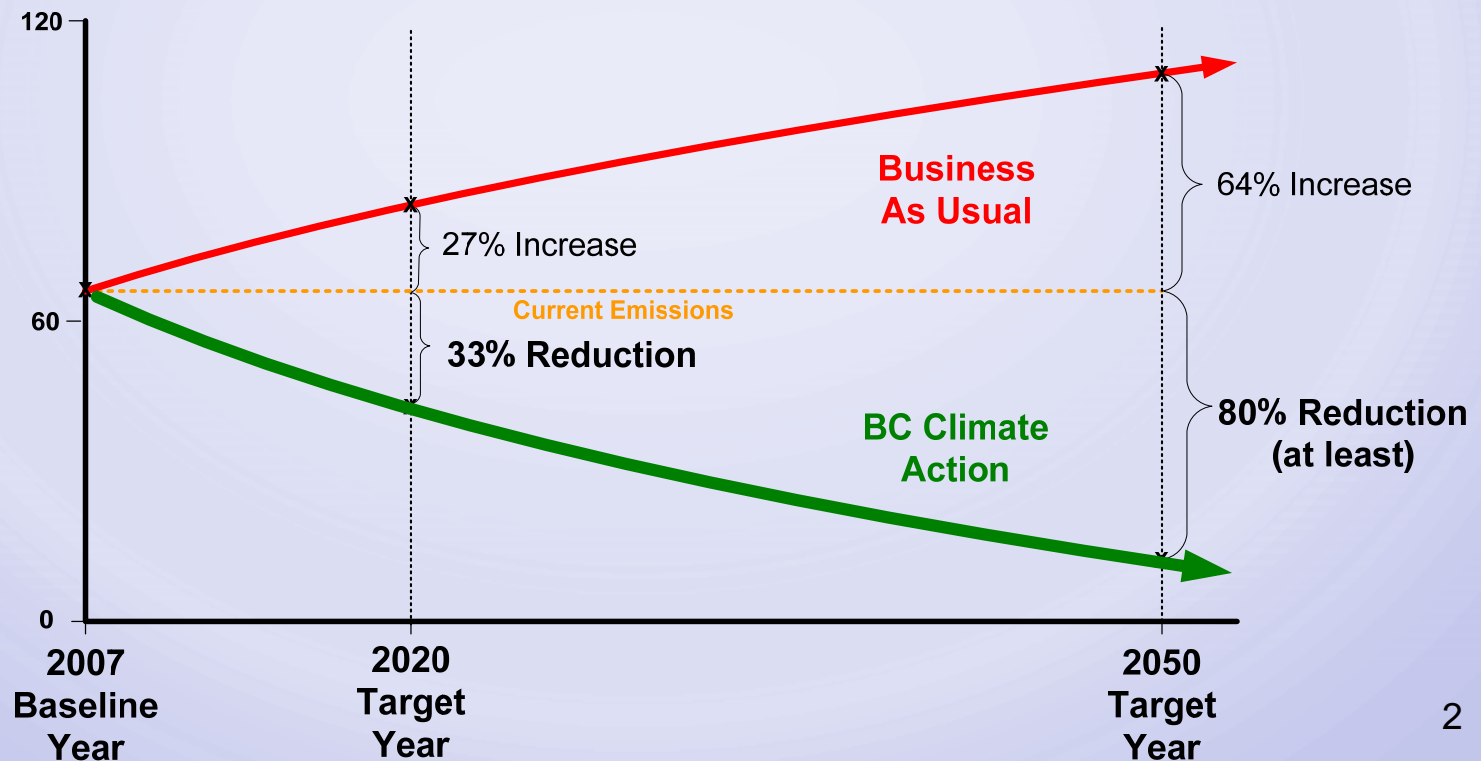


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BC Climate Action Target:

reducing BC's GHG emissions by at least 33% below 2007 levels by 2020 and at least 80% below by 2050





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Cabinet Committee For Climate Action

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





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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





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Taking Action in Every Sector

Fossil Fuel Production & Industry

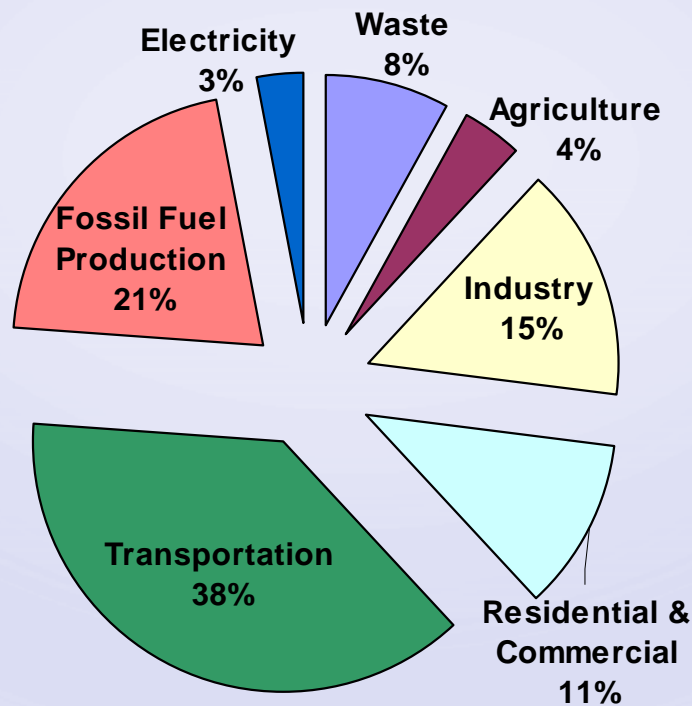
- ✓ Cap and trade system



- ✓ Self sufficiency



- ✓
- ✓
- ✓
- ✓
- ✓



Waste

- ✓ Landfill methane capture



- ✓
- ✓
- ✓



- ✓ Energy retrofits
- ✓ Energy efficiency standards





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Legislation

Nov 2007: Greenhouse Gas Reduction Targets Act

Spring 2008:



Cap and trade



Landfill gas



Energy Plan



Green Communities



Low carbon fuel



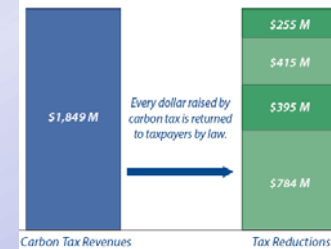
Utilities Commission



Tailpipe standard



Carbon Tax Act





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Budget 2008

- Revenue-neutral carbon tax
- \$1 billion on climate action initiatives
- Climate Action Dividend





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Revenue-Neutral Carbon Tax

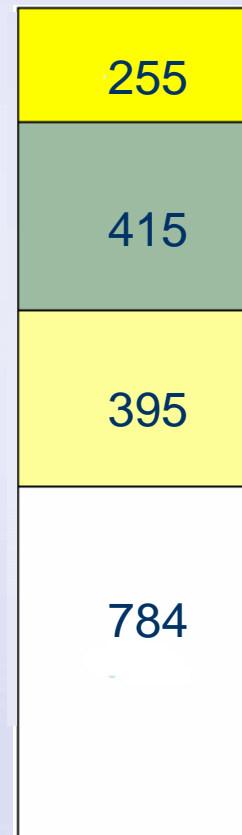
2008/09
through
2010/11;
\$ millions

1,849



Carbon tax revenues

1,849



255

415

395

784

← Small business
corporate income
tax reductions

← Corporate income
tax reductions

← Low income
climate action
tax credit

← Personal income
tax reductions

Tax reductions



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Climate Action Dividend

- \$440 million
- \$100 for every British Columbian
- Assist green lifestyle transition





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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.





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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



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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





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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





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Benefits

- Better health
- Reduced GHG emissions
- Lower servicing costs
- Increased productivity
- Affordable housing
- Ecological renewal
- Green jobs





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Carbon Neutral Government Leading the Way

Core government



Schools



Hospitals



Crown corporations



Universities & Colleges



Health Authorities



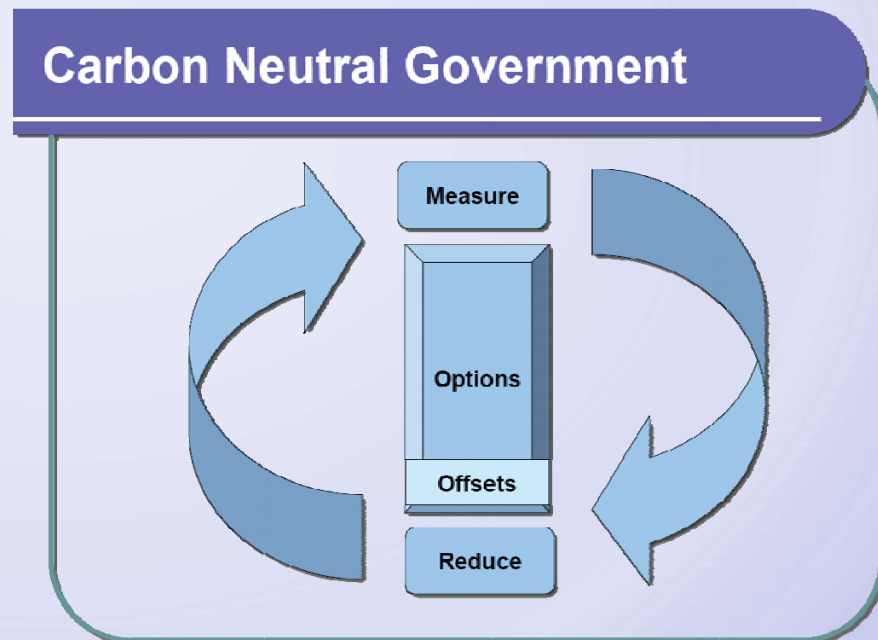


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Stepping towards Carbon Neutral

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





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Public Sector Carbon Footprint

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





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Public Sector Energy Conservation Agreement

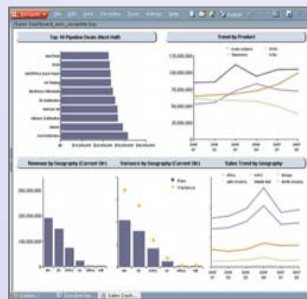
- 3 Pillars:
 1. 20% energy reduction by 2020
 2. Enhanced energy audit program by 2010
 3. Accelerated alternative energy innovation
- BC Hydro contributes \$80M for building retrofits (over 12 years)
- Term: 2008-2020

BC Hydro 

powersmart



GHG sources & Local Government



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



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What is an Offset?

A GHG offset is generated by the:

- reduction
- avoidance
- or sequestration

of GHG emissions from a specific project





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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



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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





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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.



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End