

# Canada's Climate Change Mitigation Plan

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Government of Canada

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June 9, 2011



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## Purpose

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- Provide information on Canada's greenhouse gas (GHG) emissions and reduction target
- Provide an overview of Canada's plan to meet its commitments in the Copenhagen Accord and the Cancun Agreements

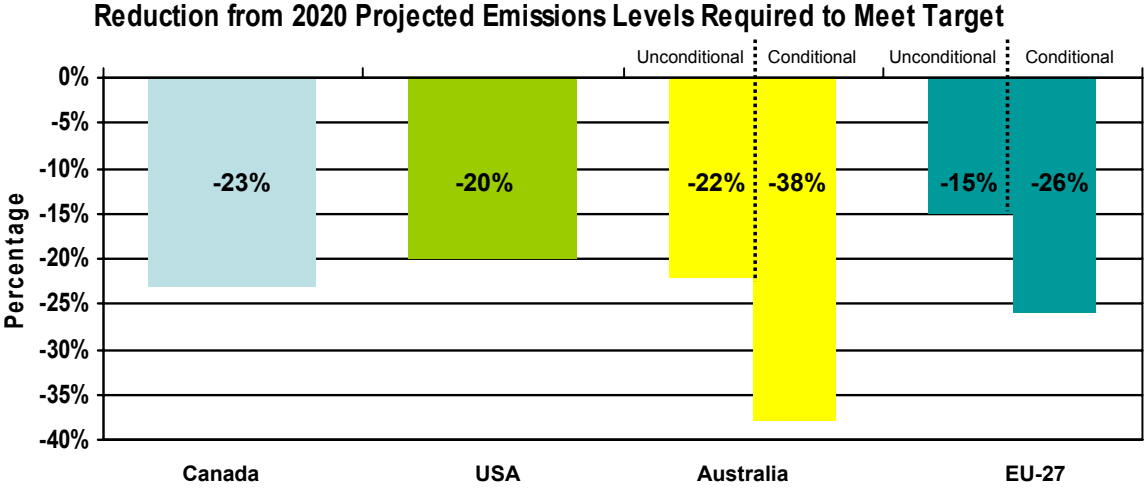


## Canada will continue to play a constructive role on climate change

- Canada strongly supports full implementation of the Cancun Agreements in order to advance global efforts on climate change
- Canada is delivering on its commitments: contributed \$400 million in 2010-2011 for Fast-Start Financing
- In the Cancun Agreements, Canada committed to a GHG reduction target of 17% below 2005 levels by 2020 – or 607 Mt



# Canada's national target reflects significant ambition

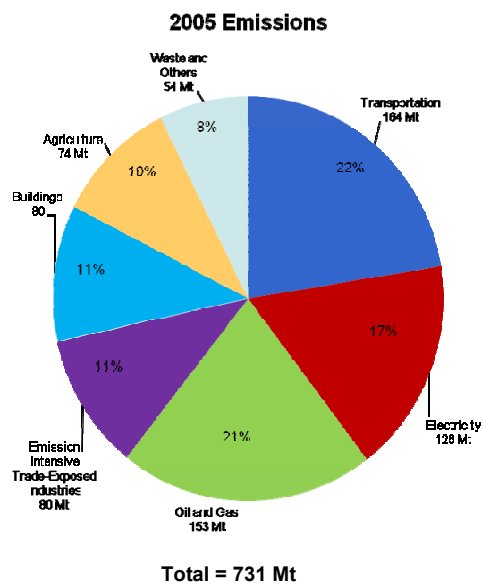


Source: UNFCCC.

Note: Includes both unconditional and conditional targets for Australia and EU-27.

## Canada represents about 2% of global emissions

**Total Canadian GHG Emissions by Economic Sector**  
(excluding LULUCF)



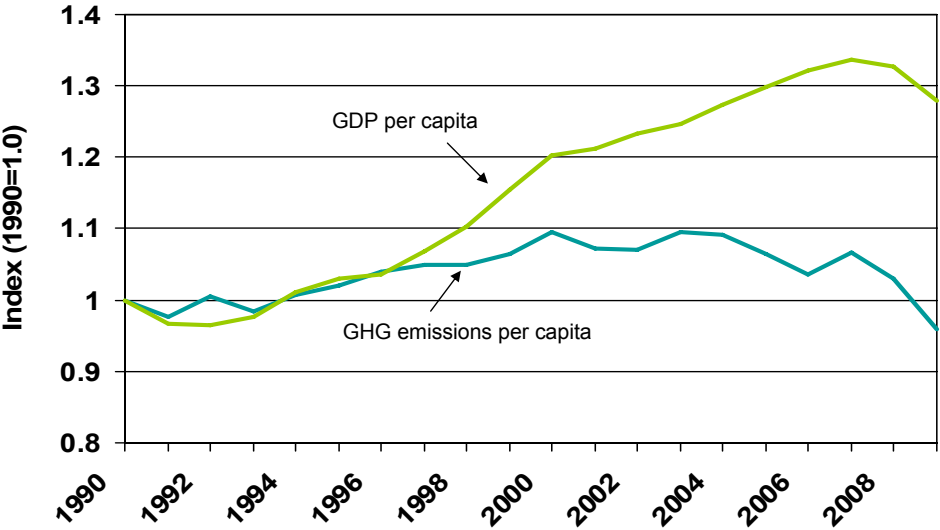
- Canada has an energy intensive economy and is a net exporter of energy
- Emissions are broadly based across a range of economic activities



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# There has been a significant decoupling in Canada of GDP growth and GHG growth



Source: Adapted from the Expert Review Team on Canada's Fifth National Communication

## Canada's plan for meeting its target is based on a sector-by-sector regulatory approach

- Canada's plan is to pursue systematic sector by sector regulations, aligned with the U.S. where appropriate
  - The plan involves the development of measures to address all major sources of emissions
- Well-designed performance standards can reduce emissions while maintaining competitiveness, economic growth, and prosperity
- The key is to incent innovation and investments in clean energy technologies



## Canada's federal government is taking action to reduce emissions in key sectors

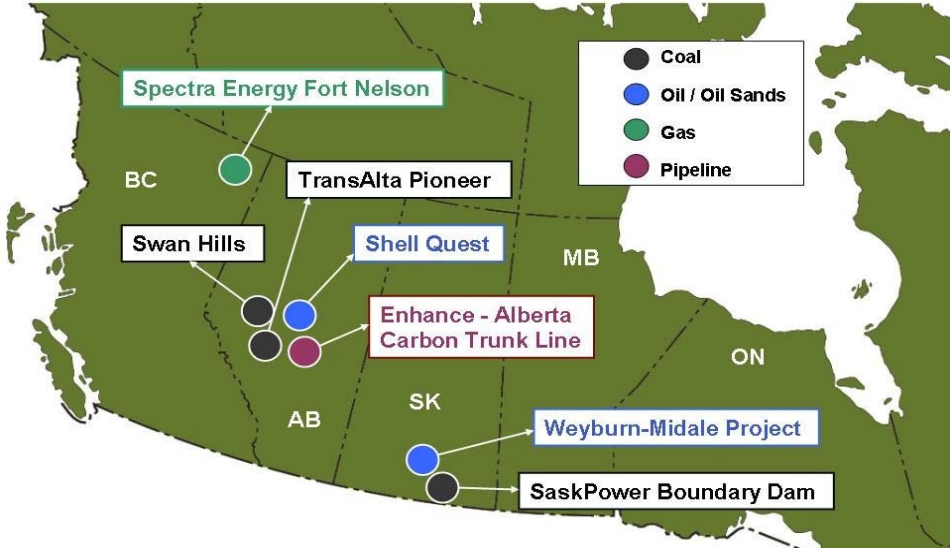
- Transportation
  - Performance standards implemented in 2010 for new cars and light trucks through 2016 model year, aligned with U.S.
  - Average 5% renewable fuel content in gasoline
- Electricity
  - Proposed performance standards for coal-fired generation to come into force in 2015 would phase-out traditional coal-fired plants
- Buildings
  - Tougher energy efficiency standards for products and equipment





# \$7 billion being invested in carbon capture and storage projects in Canada

Canada's Investment in Large Demonstration Projects  
Over \$3B public funding, \$7B total investment

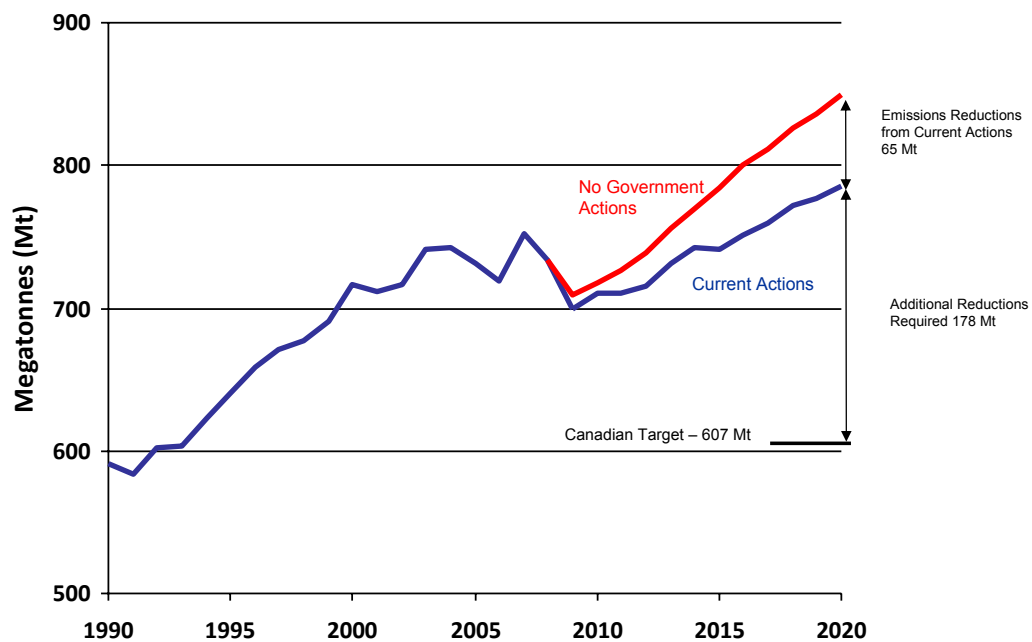


## Provincial and territorial governments in Canada also play a key role in reducing emissions

- In Canada, provincial and territorial governments hold many of the levers for action on climate change
- Provinces have established their own climate change targets
  - In aggregate, they closely match the level of ambition established by the Government of Canada
- Provinces and territories are implementing GHG reduction strategies that reflect their individual circumstances, e.g.:
  - Carbon tax in British Columbia, carbon levy in Quebec
  - Regulatory frameworks for industrial emissions in Alberta and Saskatchewan
  - Renewable power feed-in tariffs in Ontario
  - Absolute cap on emissions from electricity in Nova Scotia
  - Goal of 1.2 million electric vehicles in Quebec by 2030



## Current measures by all orders of government will achieve about a quarter of the reductions needed



## Going forward, Canada will continue to implement its plan to achieve the additional reductions required

- Regulated GHG performance standards being developed for the remaining major sources of emissions with priority on:
  - The oil and gas sector
  - Emission-intensive trade exposed sectors
- Further measures also being developed for the transportation sector
  - Heavy-duty vehicles standards by 2014
  - More stringent light-duty vehicles post-2016
- Working with provinces to upgrade building codes to achieve a 20% energy efficiency improvement over 2011 standards by 2016
  - \$400 million in new funding for the ecoENERGY Retrofit - Homes program



## Canada is committed to achieving its 2020 target

- Canada will continue to implement its systematic plan for reducing emissions until it reaches its target
- Canada's approach will provide industry with regulatory certainty through clear, robust environmental standards
  - Allow companies to formulate future investment plans
  - Drive investments in clean energy technologies
- Investment decisions taken today will affect the future economic prosperity and carbon footprint of Canadians

