

A landscape photograph showing a row of white wind turbines on a green hillside. In the foreground, there is a field of yellow wildflowers. The background features a range of mountains under a clear sky.

Alberta's Climate Leadership Plan

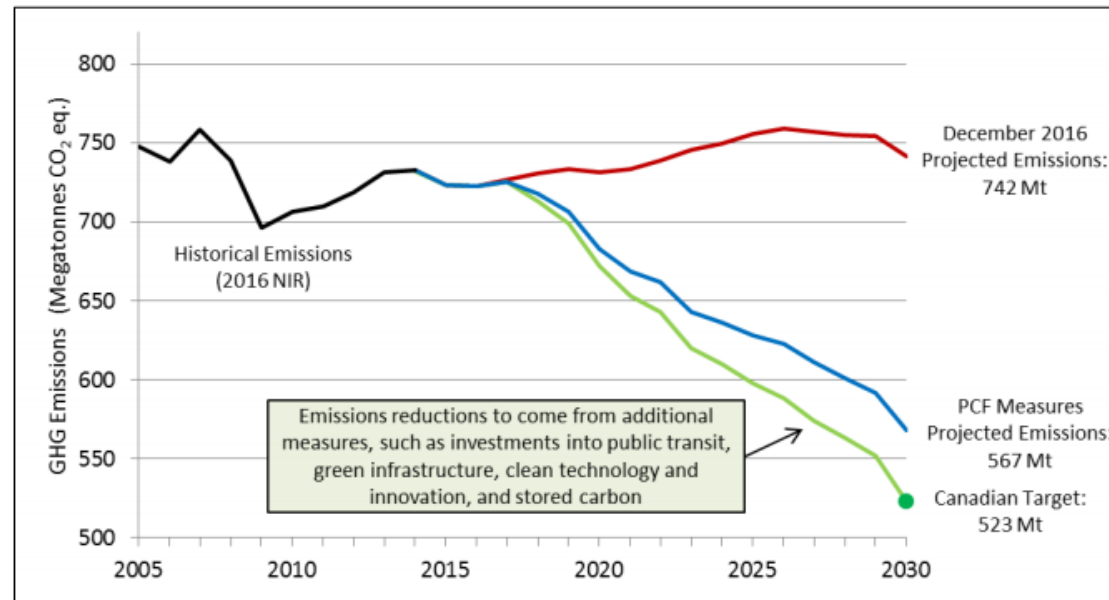
Alberta Climate Change Office
March, 2018

Timeline of Key Actions (National & International)

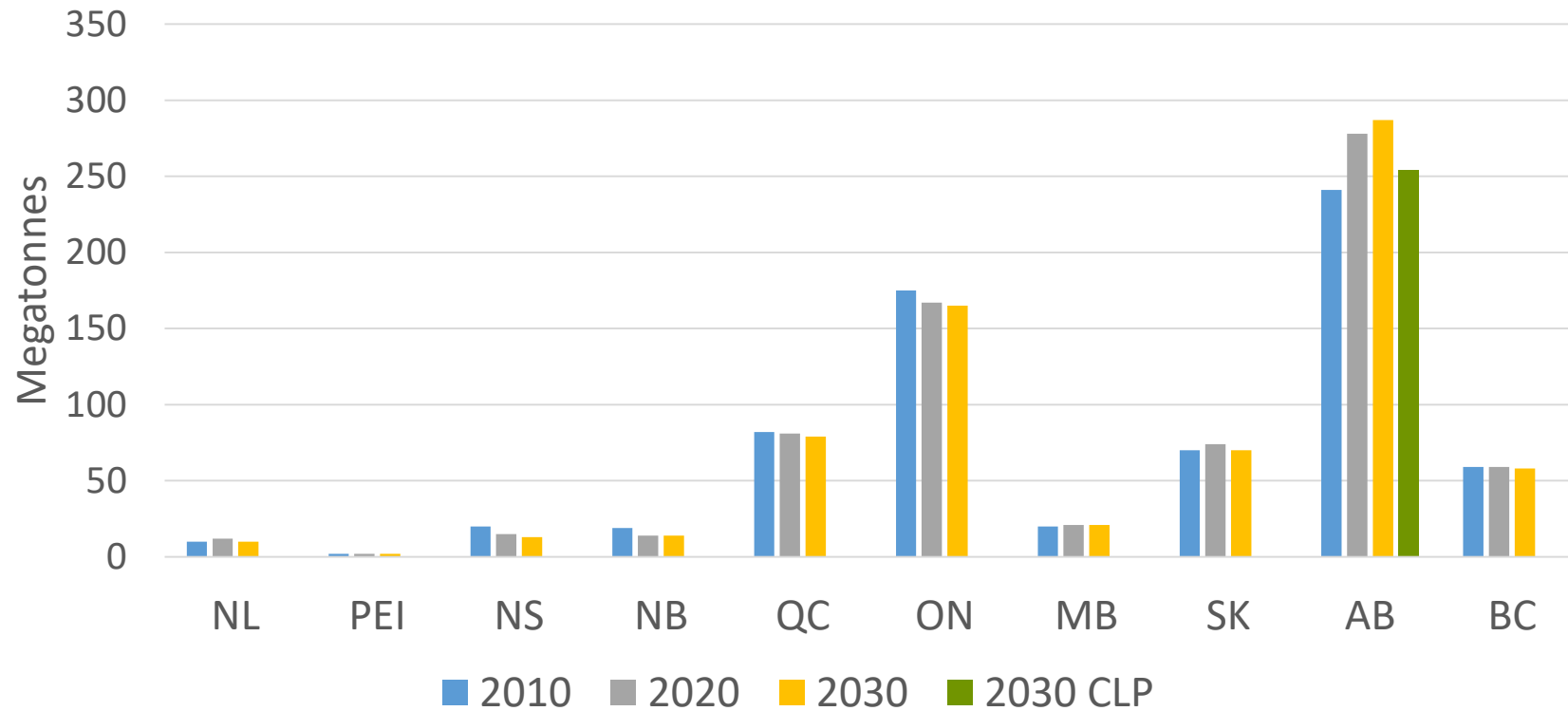
November 2015
Paris Agreement

March 2016 –
Vancouver Declaration

January 2017
Pan-Canadian Framework



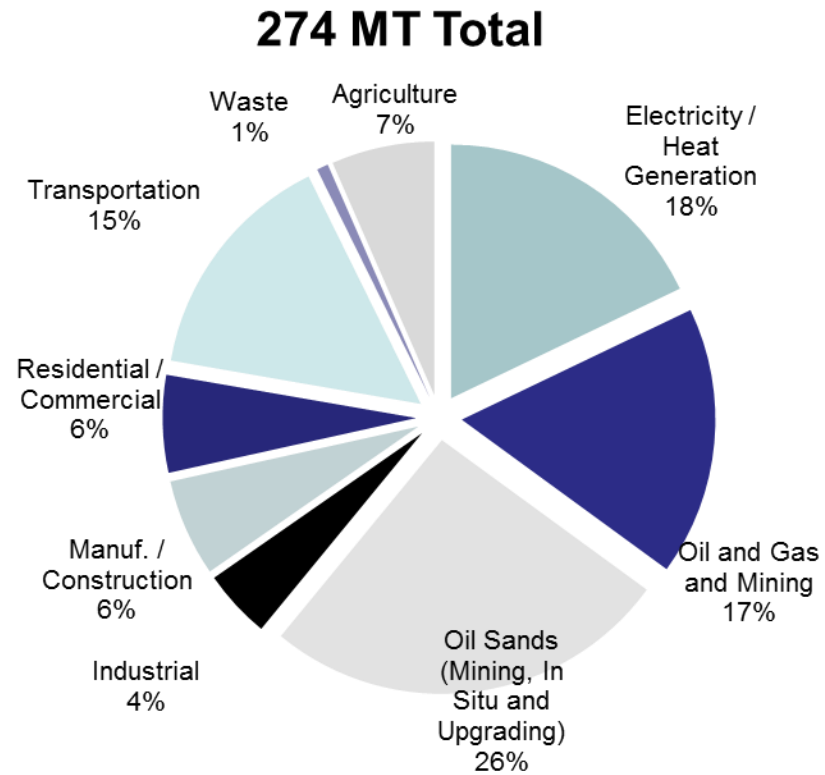
Emissions Context before and after Alberta's Climate Leadership Plan



Canada's Third Biennial Report On Climate Change (2017)

– note difference in projection from Alberta's Climate Leadership Plan

Alberta Emissions Profile



- 274 Mt CO₂e – total provincial GHG emissions in 2015
- 18 percent or 41 Mt – emissions growth since 2005
- 38 percent – Alberta's percentage of Canada's emissions in 2015

Timeline of Key Actions (Alberta)

- 2002 – Released report: *Albertans & Climate Change: Taking Action*
- 2003 - *Climate Change and Emissions Management Act* passed
- 2004 - Specified Gas Reporting Regulation
- 2007 - Specified Gas Emitters Regulation
- 2008 - Revised provincial Climate Change Strategy
- 2015 - Amended Specified Gas Emitters Regulation
- 2015 - **Climate Leadership Plan**
- 2017 - Carbon Levy
- 2018 - Carbon Competitiveness Incentive Regulation

ALBERTANS CLIMATE CHANGE
Taking Action



ALBERTA'S 2008 CLIMATE CHANGE STRATEGY
RESPONSIBILITY / LEADERSHIP / ACTION



Alberta
**CLIMATE
LEADERSHIP
—PLAN—**

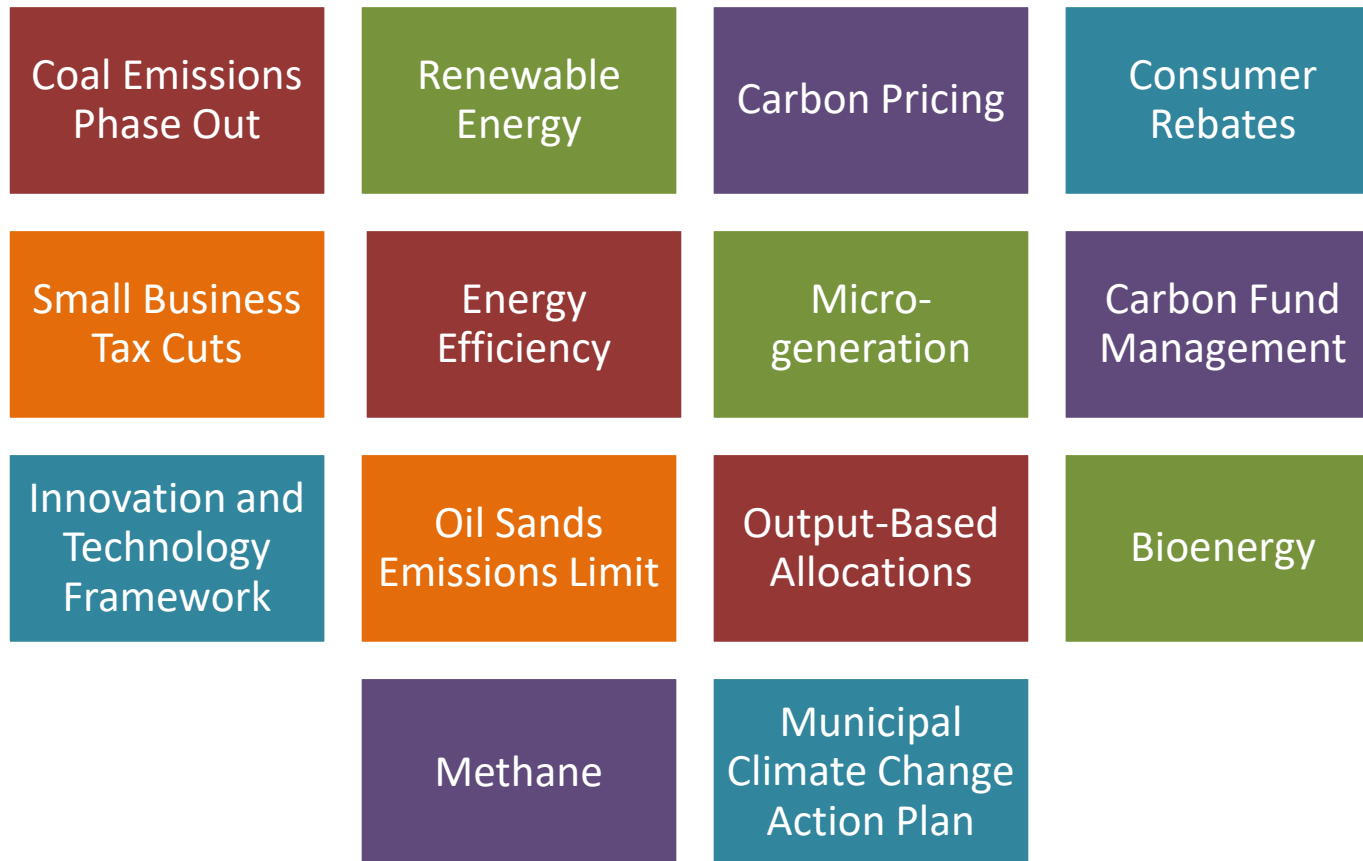
Climate Leadership Plan

- The Climate Leadership Plan is about preparing Alberta for the future and making it better able to compete and succeed in a carbon-constrained world.
- The Climate Leadership Plan helps build resiliency in communities, companies and individual households across the province.
- The Climate Leadership Plan represents an investment in our collective self-interest – one that will pay dividends in both the short and long-term.
 - diversify our economy, create jobs and reduce GHG emissions

Climate Leadership Plan – Key Initiatives

- Phasing out emissions from coal-generated electricity and developing more renewable energy
 - Coal power emissions phase out by 2030
 - 30% of Alberta's generation from renewable sources by 2030
- Implementing economy-wide carbon pricing on greenhouse gas emissions
 - Carbon levy on transportation and heating fuels
 - Industry regulatory system - new emissions benchmarks for industrial emitters
 - New approach covers 78-90% of Alberta's emissions
- Capping oil sands emission annual limit at 100 Mt CO₂e
- Reducing methane emissions from oil and gas by 45% by 2025
- Significant investment in Technology, Innovation, Green Infrastructure and Energy Efficiency.

Climate Leadership Plan Priority Initiatives



Alberta's Renewable Electricity Target

30 by '30

- Under the *Renewable Electricity Act*, Alberta legislated that 30 per cent of electricity produced in Alberta will come from renewable sources such as wind, hydro and solar by 2030
- To help achieve this 30 by '30, the Government of Alberta will support 5,000 megawatts of additional renewable energy capacity for Albertans
- Estimated that at least \$10.5 billion in new investment will flow into the provincial economy by 2030
 - estimated 7,200 new jobs for Albertans as projects are built

Thank You Questions?

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Ongoing updates:
www.Alberta.ca/Climate
www.encyclopediaalberta.ca

