

CLIMATE ACTION IN BRITISH COLUMBIA

Presented to the
Air and Waste Management Association
November 24, 2009

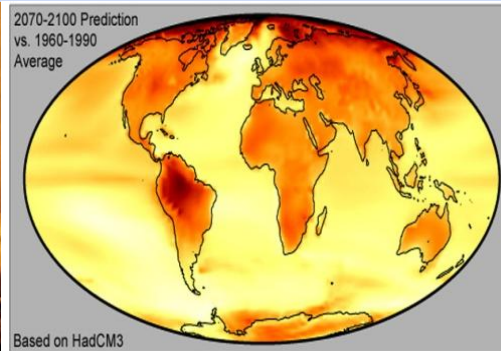
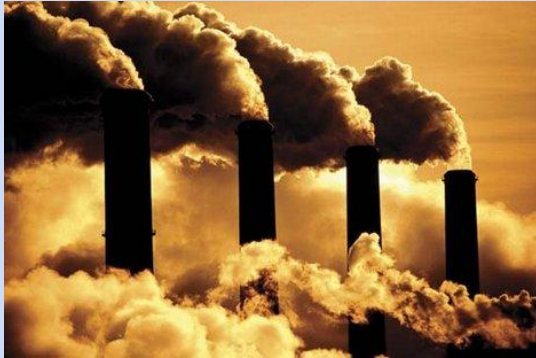


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Outline

- ❖ Context – GHG Emissions Problem
- ❖ How policies are selected ?
- ❖ How are policies combined ?
- ❖ Are emissions going down ?
- ❖ What are the opportunities of climate action ?
- ❖ Closing the gap - what's next ?

GHG Emissions Problem



Atmosphere is free to use at little or no cost to dispose of GHGs

Increased concentrations of GHGs has risks and associated costs

Cost of emissions to society not reflected in market price

- ❖ Market failure requiring government intervention

Objectives

Global:

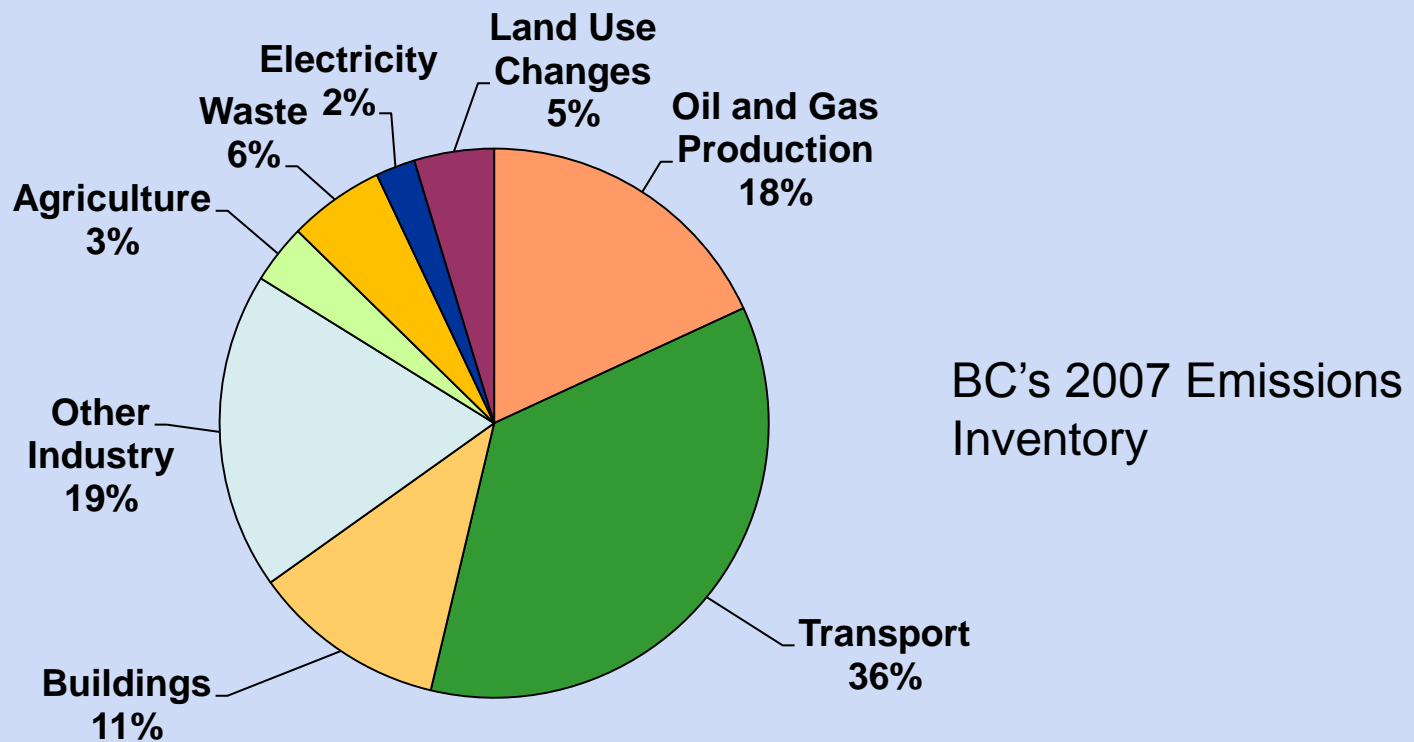
- ❖ Reduce global emissions to avoid significant climate risks

British Columbia:

- ❖ Contribute to global emissions reductions by achieving legislated GHG reduction targets
 - Relative to 2007, reduce emissions:
 - 6% by 2012
 - 18% by 2016
 - 33% by 2020
 - 80% by 2050
- ❖ Transformative change is required

Policy Selection Approach

- ❖ Identify emissions within the economy
- ❖ Objective is to reduce emissions from every sector



- ❖ Optimal emissions reduction strategies vary by emissions type and sector

Policy Selection Approach

- ❖ Identify actions that reduce emissions

Increase Efficiency



Reduce Demand



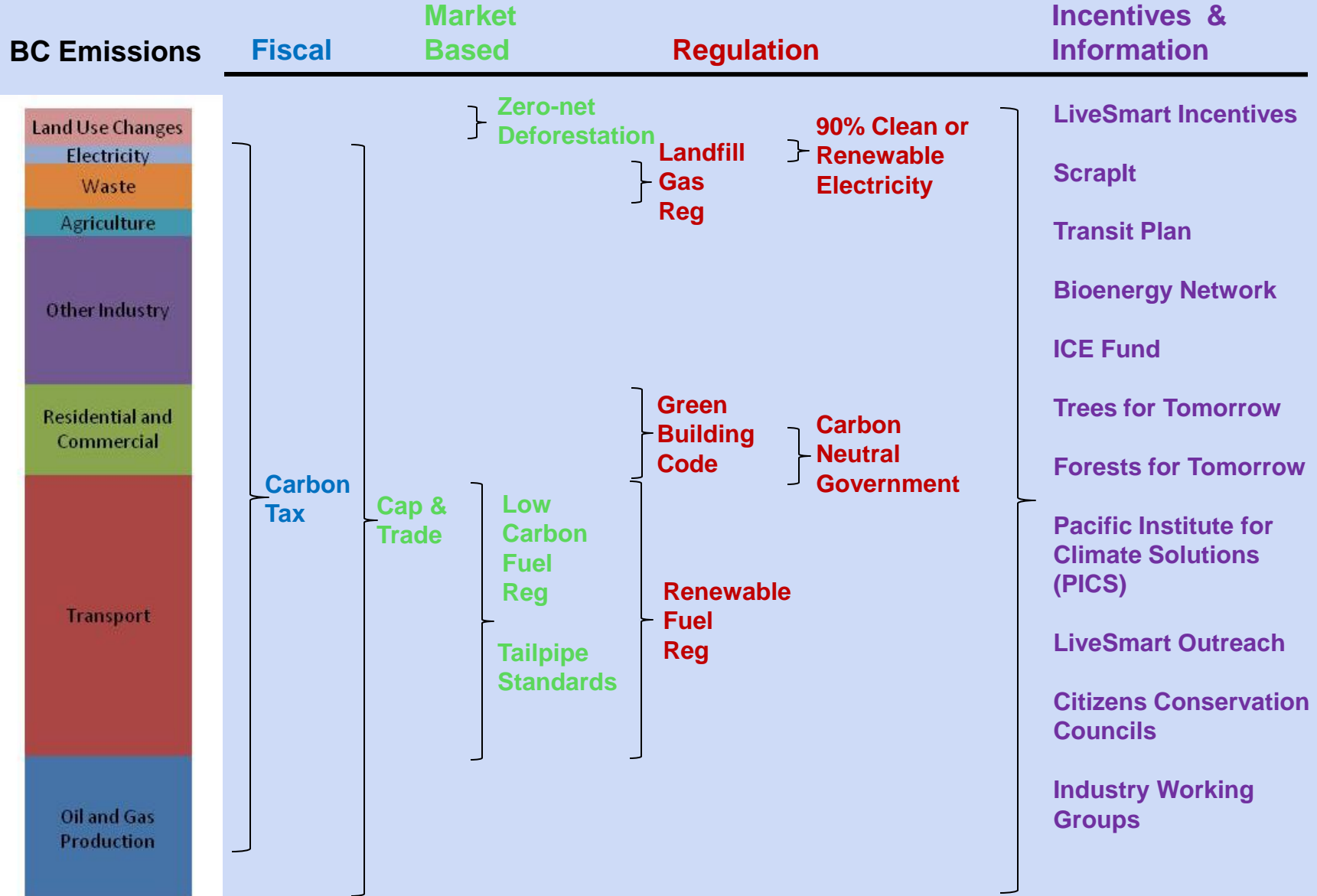
Switch Fuels/Inputs



Policy Selection Approach

- ❖ Identify policies that drive actions
- ❖ Policy options
 - Regulation
 - Market Mechanisms
 - Fiscal Measures
 - Incentives
 - Information
- ❖ Policy evaluation:
 - ✓ Effectiveness
 - ✓ Economic efficiency
 - ✓ Administrative costs
 - ✓ Fairness
 - ✓ Political acceptance

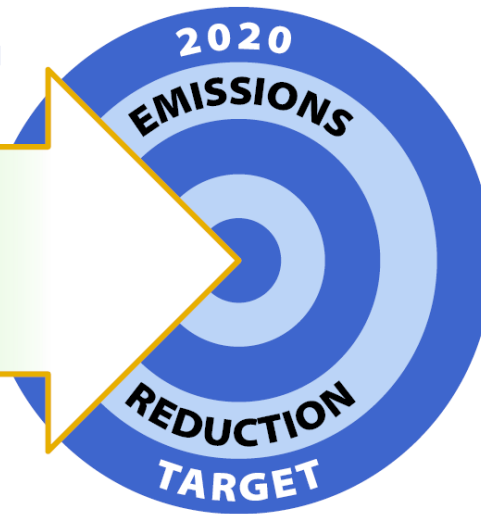
Climate Action Plan – Fitting it all together



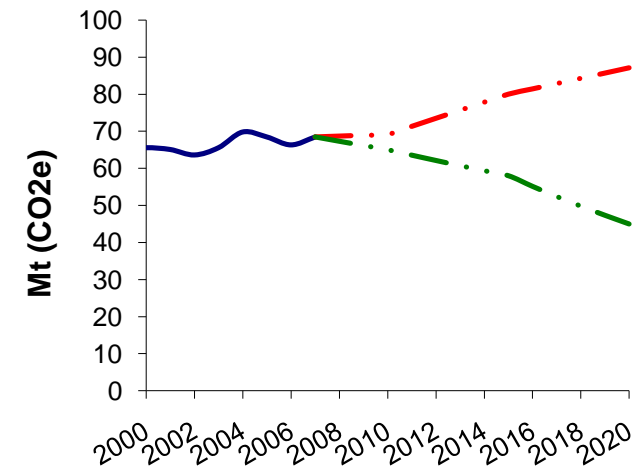
Are Emissions Going Down?

IDENTIFIED MEASURES WILL MEET
73% OF B.C.'S EMISSION REDUCTION
TARGET FOR 2020.

73%



BC Emissions Pathways

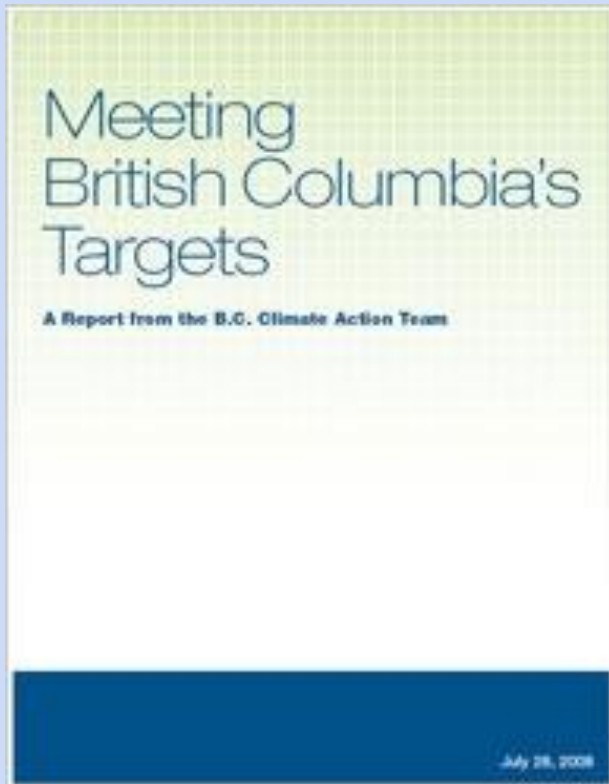


- ❖ Forecasting policy reductions – Economic Modeling
- ❖ Tracking emissions – BC 2007 Provincial Inventory
- ❖ Reporting on progress – Legislated requirement in 2010

Opportunities of Climate Action

- ❖ Change in market dynamics
- ❖ Avoided costs – energy efficiency
 - Transportation
 - Buildings
- ❖ Avoided costs – health impacts, environmental damage
- ❖ Increased demand for BC's clean and renewable energy
- ❖ Increased demand for BC's clean technologies

Where to From Here - Closing the Gap in BC



- ❖ Climate Action Team - 29 recommendations for policies and practices across all sectors
- ❖ 11 Industry Working Groups
- ❖ Citizens Conservation Councils
- ❖ Focus on the economic opportunities of climate action

Where to From Here - Creating Partnerships to Reduce Emissions Outside of BC

BC is working with other governments in an effort to achieve the overall goal of reducing global emissions

- ❖ The Climate Registry
- ❖ Pacific Coast Collaborative
- ❖ Western Climate Initiative
- ❖ International Carbon Action Partnership



Thank You