



Mind the Gap

A Blueprint for Climate Action in British Columbia

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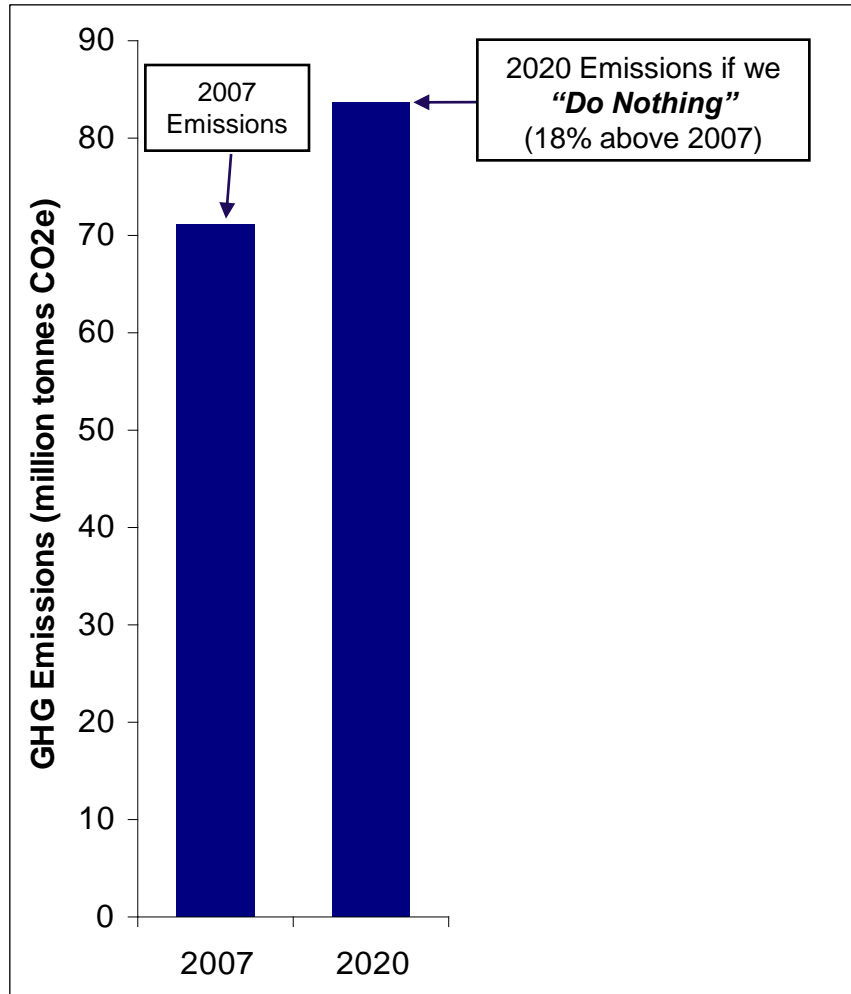
Outline

- What is the gap?
- What will current BC commitments achieve?
- What changes will it take to get us the rest of the way?
- What policies will help us get there?

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are needed to see this picture.

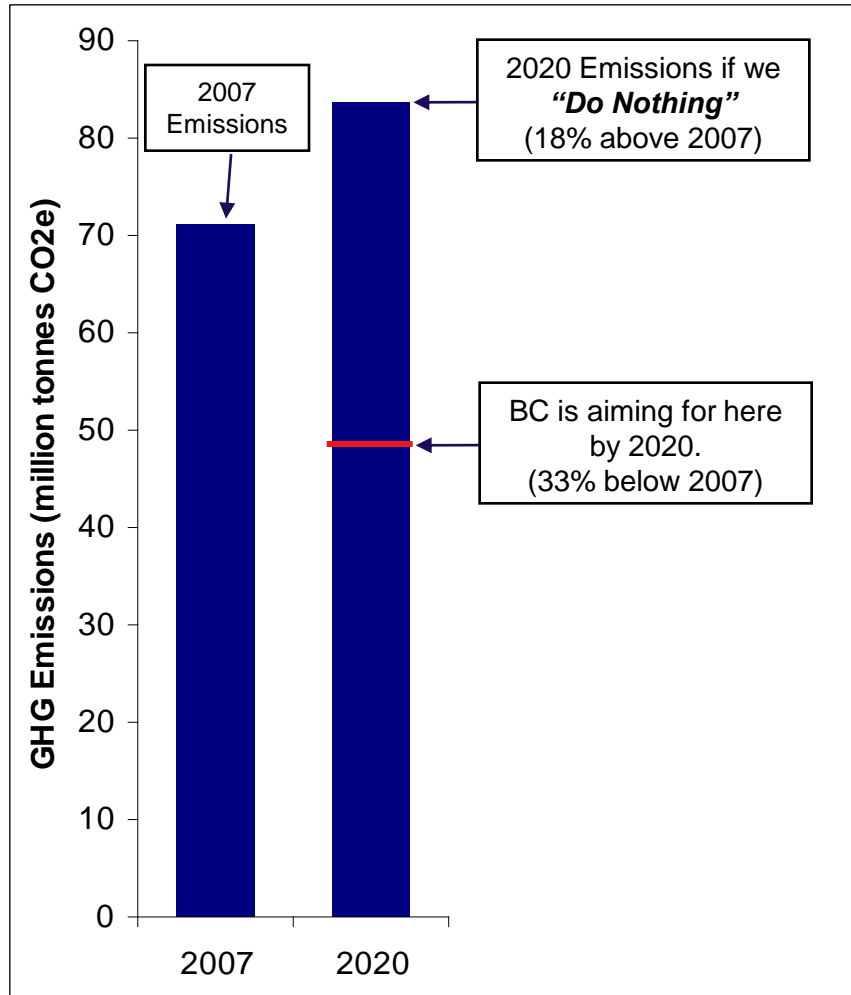
BC Emissions - Now and Then

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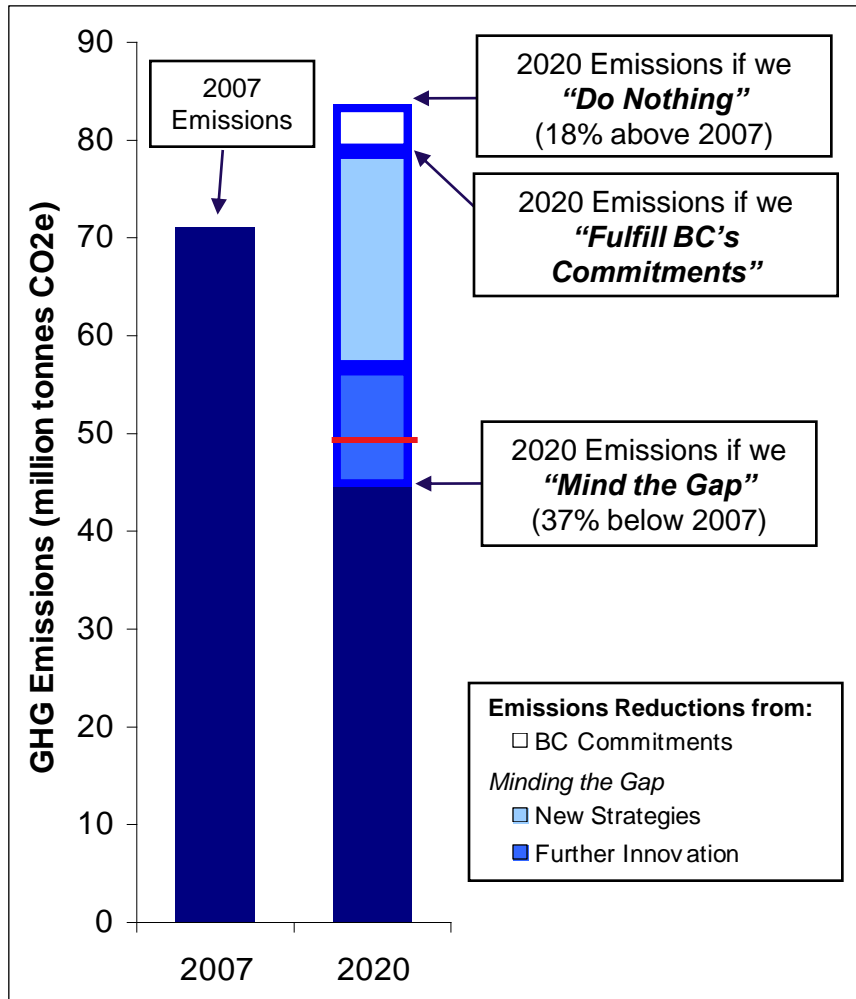
- 2007 emissions are estimated to be 71 million tonnes
- If we do nothing, emissions will increase to 84 million tonnes by 2020
- Doing nothing is not an option

What is the Gap?



- BC Government has set the ball rolling
- Kyoto experience: targets without action are destined for failure
- Taking into account increases in emissions, we need to find 36 million tonnes by 2020

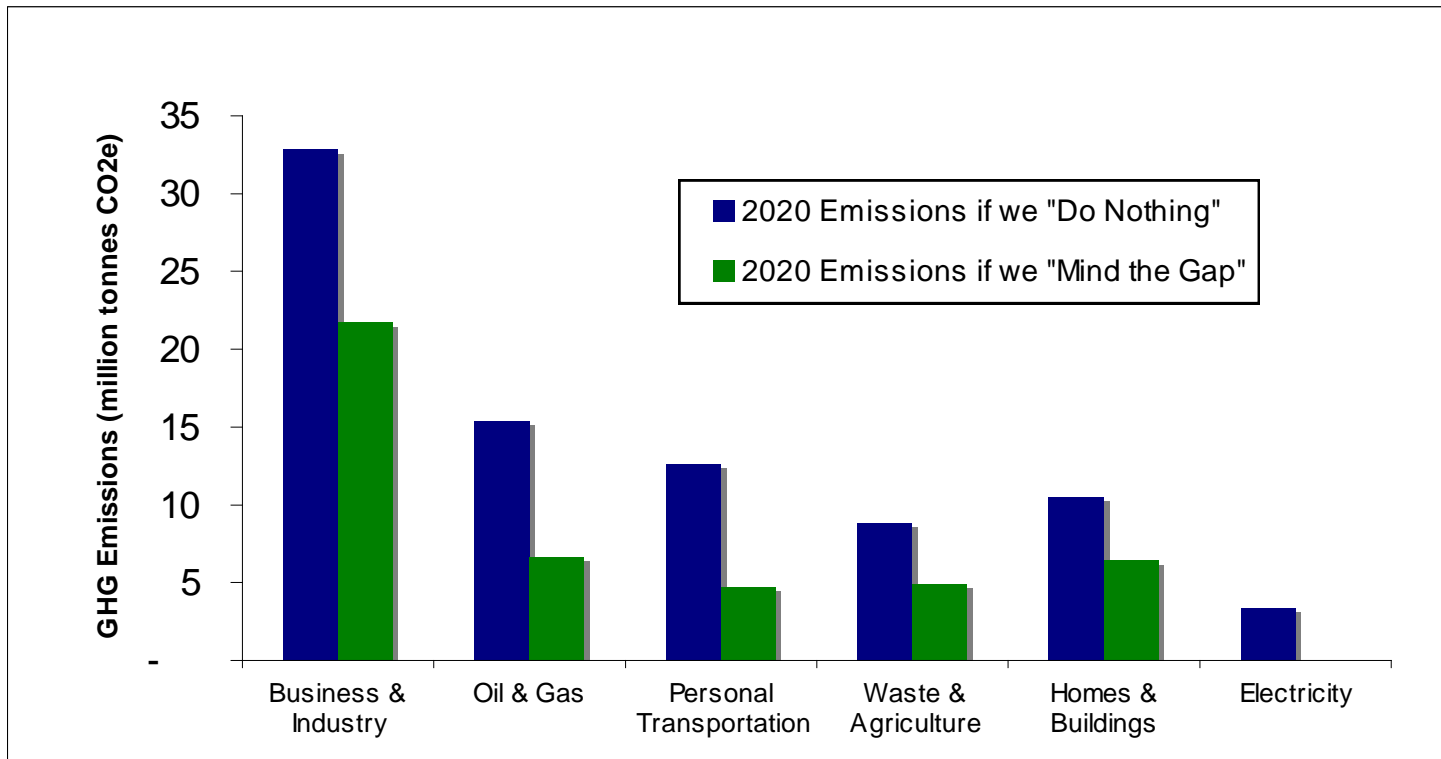
What did we Find?



MIND THE GAP found:

- Commitments to date add up to 5 million tonnes (white portion)
- Commitments are announcements for which we could quantify emissions reductions
- New Strategies can provide an additional 34 million tonnes of reductions (light blue portions)
- BC can meet and beat the 2020 target - 39 million tonnes of reductions available

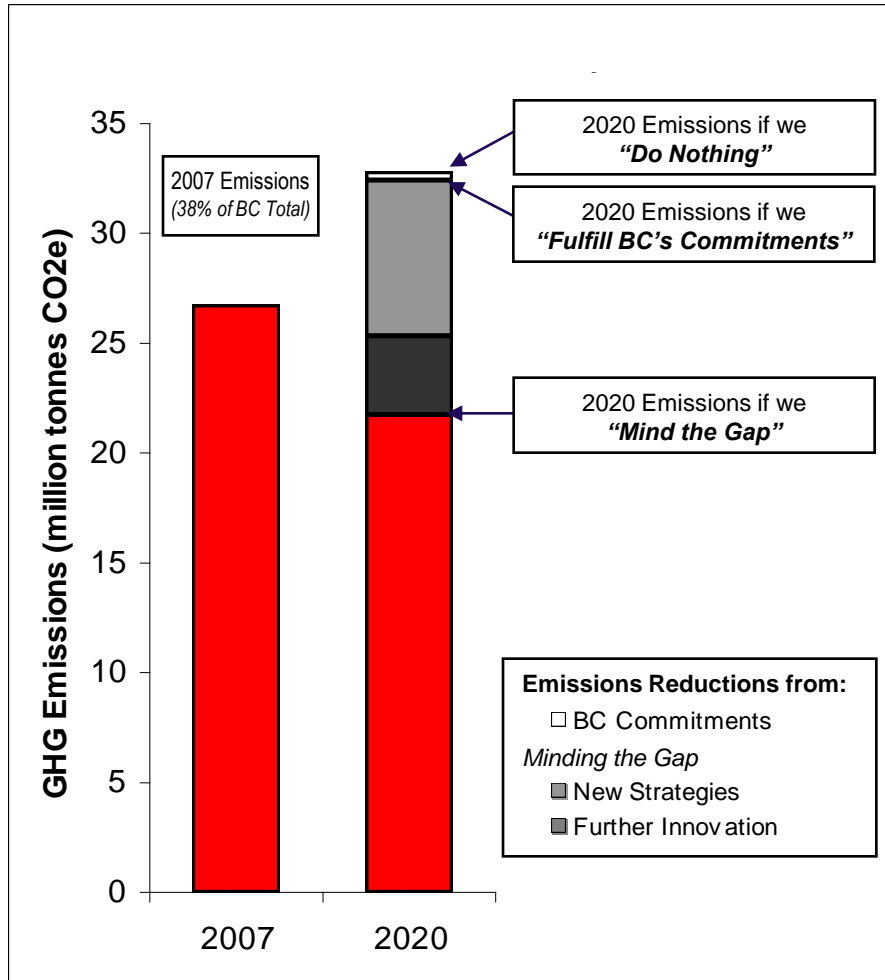
Where will Reductions Come From?



No sector can be left behind.

Business and Industry: *No Pain, No Gain*

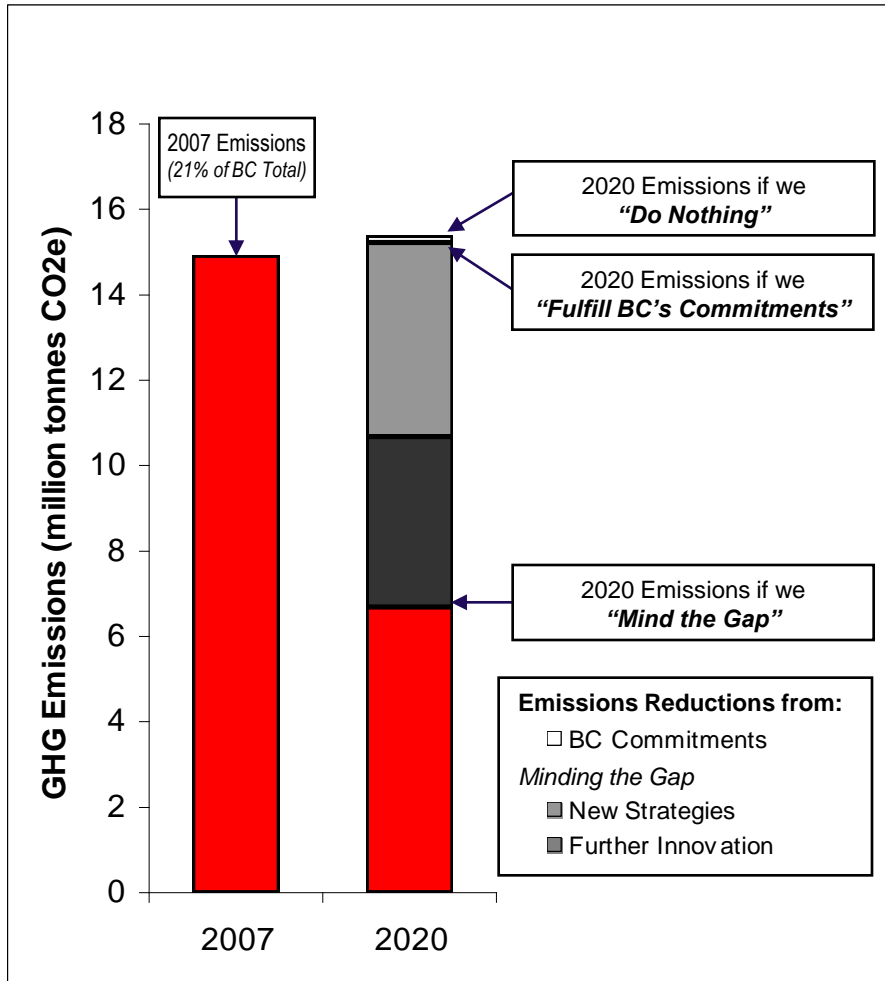
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- Largest emissions sector
- Emitters are diverse, making it difficult to find easy reductions
- Commitments to date amount to 0.2 million of 27 million tonnes
- Suitable for emissions pricing such as carbon tax or cap and trade system
- We've identified reductions without using offsets

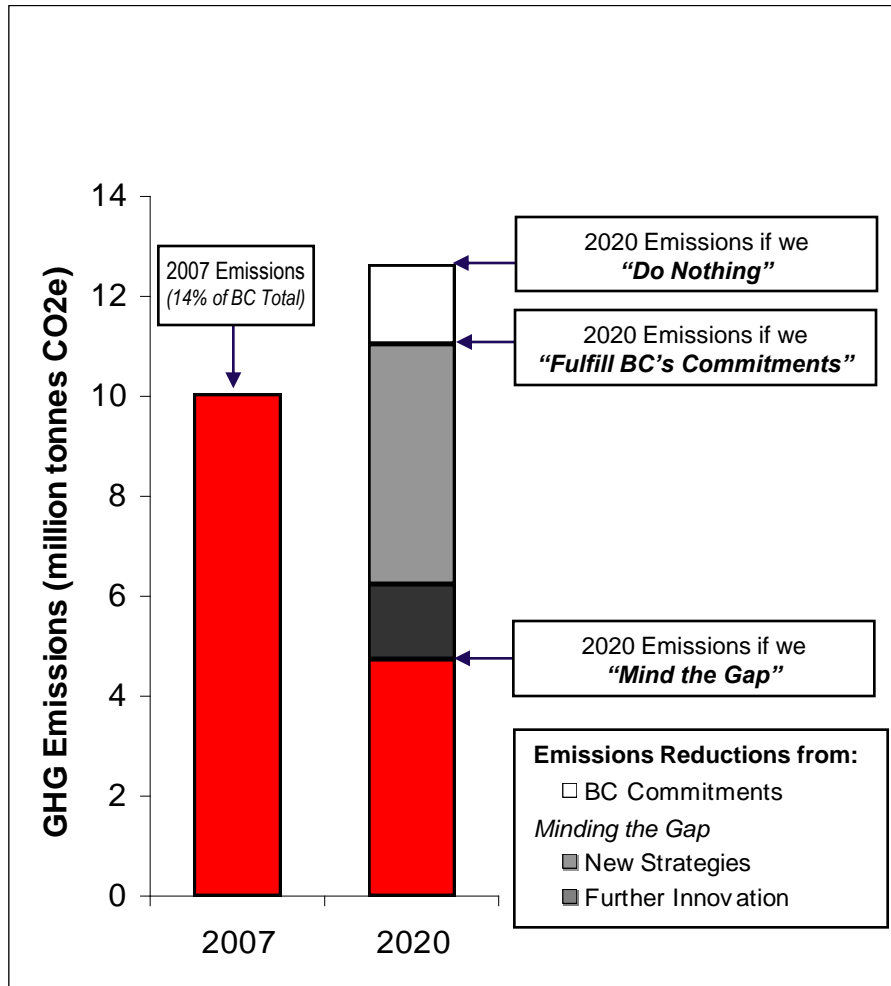
Oil and Gas:

The Single Biggest Source - and Solution



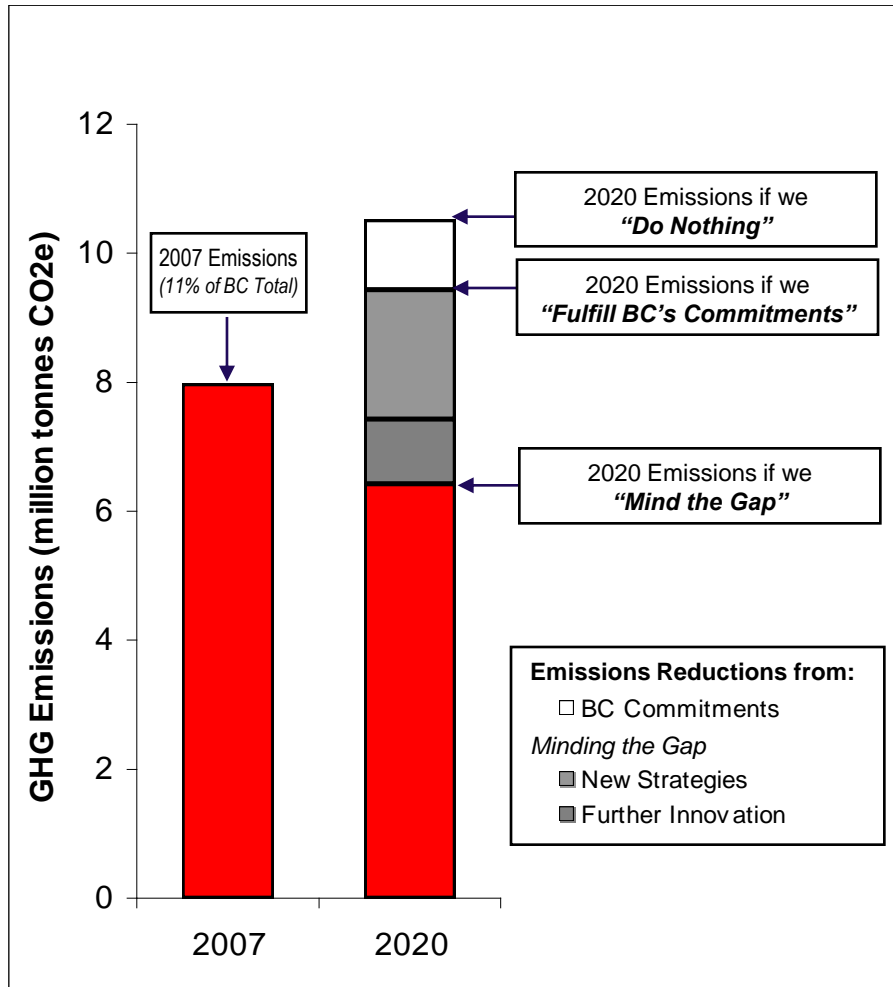
- Commitments to date are 0.4 million tonnes
- Major reductions possible - can reduce over half of today's emissions (15 MT to 7 MT)
- Major challenge because of contradictions
- How can we promote new basins and offshore development and still reduce?

Personal Transportation: *On the Road to Breaking Even*



- Good news - Vehicle standards announced
- Bad news - Marginal gains
- More efficient cars offset by increased driving and more cars
- Road projects such as Gateway will make this worse
- Many opportunities to go further (EU and Japan)

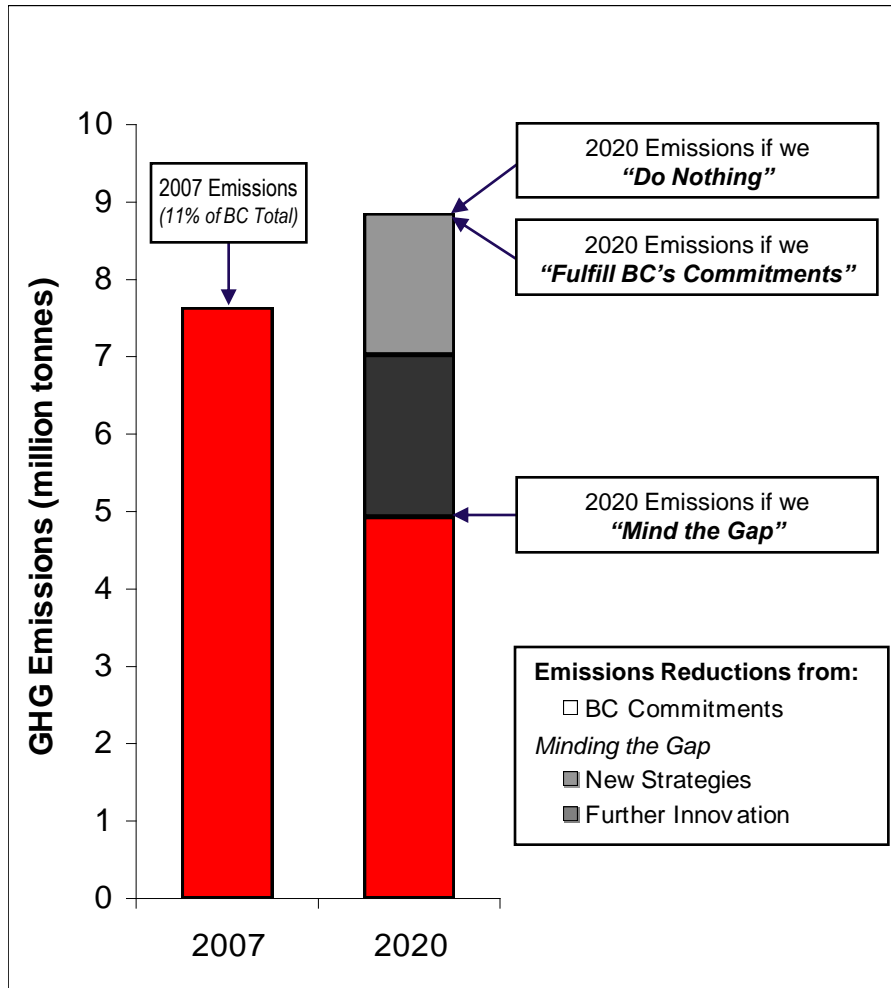
Homes and Buildings: *Just Scratching the Surface*



- Building Code commitments a good start
- More to be done on new homes and buildings post 2010 - we'll need to maintain rapid progress
- More focus on existing homes and buildings and renewables
- UK plans carbon neutral buildings by 2016, or California by 2020

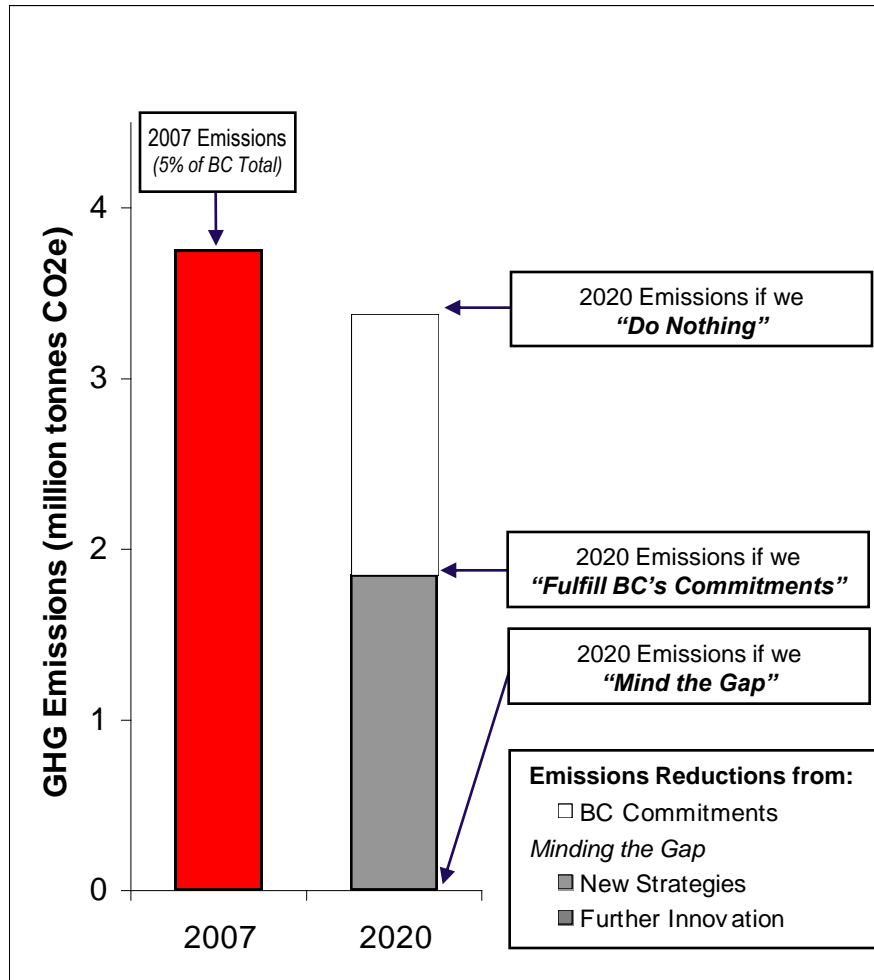
Waste and Agriculture:

Simple Measures Can Yield Results



- No white bar - can rise substantially when landfill regulation details are known
- Methane capture regulations could yield real reductions soon
- Need similar commitments on agriculture
- Potential business opportunities for farms

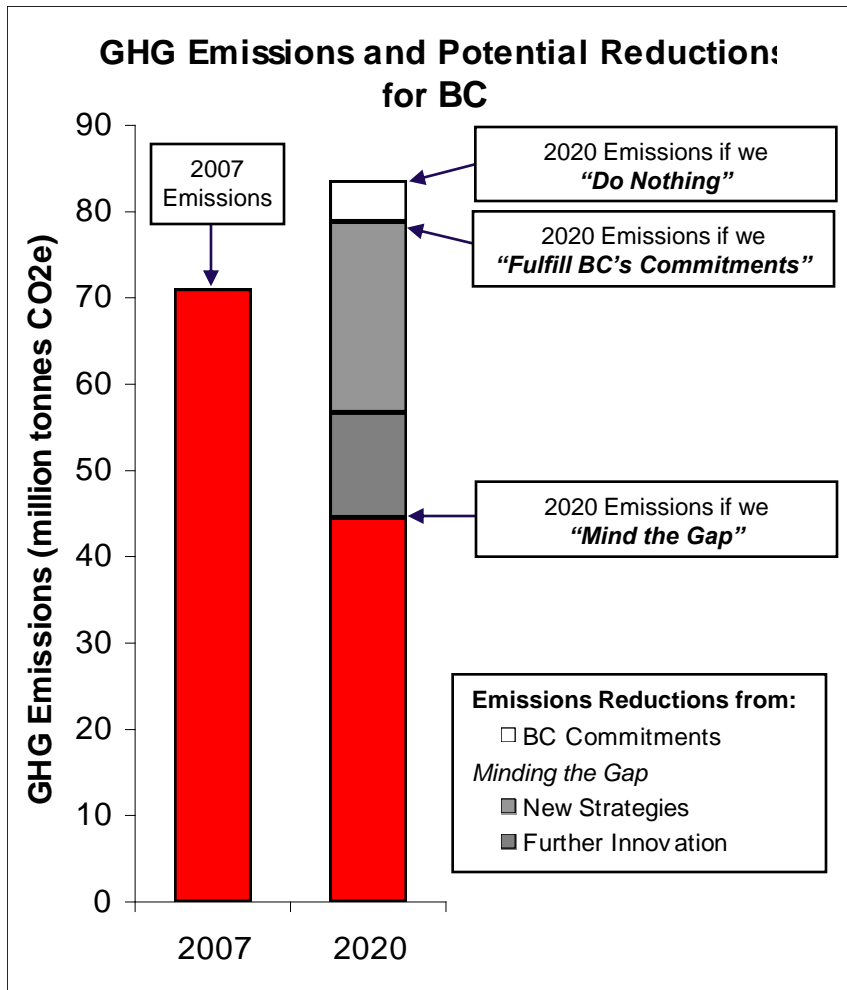
Electricity: *Looks Good But Size Matters*



- Most extensive government commitments
- BC commitments and new opportunities alone enough to eliminate emissions from electricity sector
- Reality is that it only accounts for 5% of BC emissions
- Success here needs to be replicated in other sectors over time

Summing it all up:

No sector can be left behind



- Some of changes will be easy, many won't be
- Real reductions require major changes across our society
- Still not enough detail on many government commitments
- Strong government role is critical - emissions pricing and regulation

Our Recommendations

- First, BC government must act on existing commitments - move from Announcement to Action
- The rest: a combination of emissions pricing, regulations, incentives/disincentives to drive additional changes
- Examples include:
 - Need for carbon tax or cap and trade systems across sectors
 - Regulations to complement and raise bar for emissions pricing (e.g. surpassing the CA vehicle standard)
 - Price rebates and charges that are linked to the energy efficiency of homes and buildings
 - Increased tipping fees to encourage more materials recovery

Finally ...

- Science is changing our reality faster than we can keep up
- MINDING THE GAP is the start
- CLOSING THE GAP is the end point



Thank You

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