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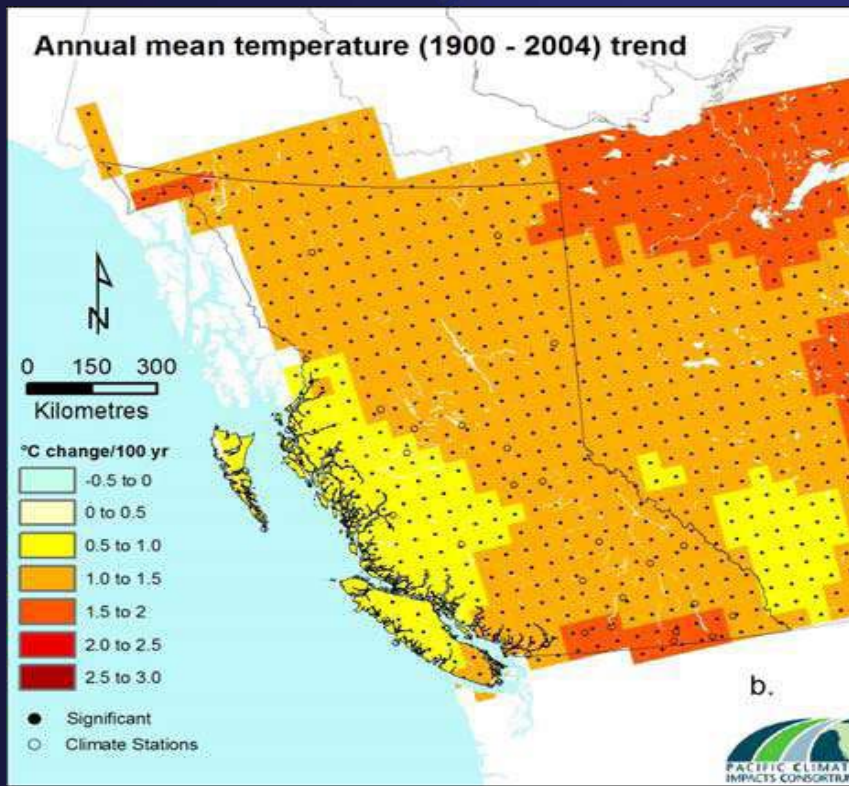
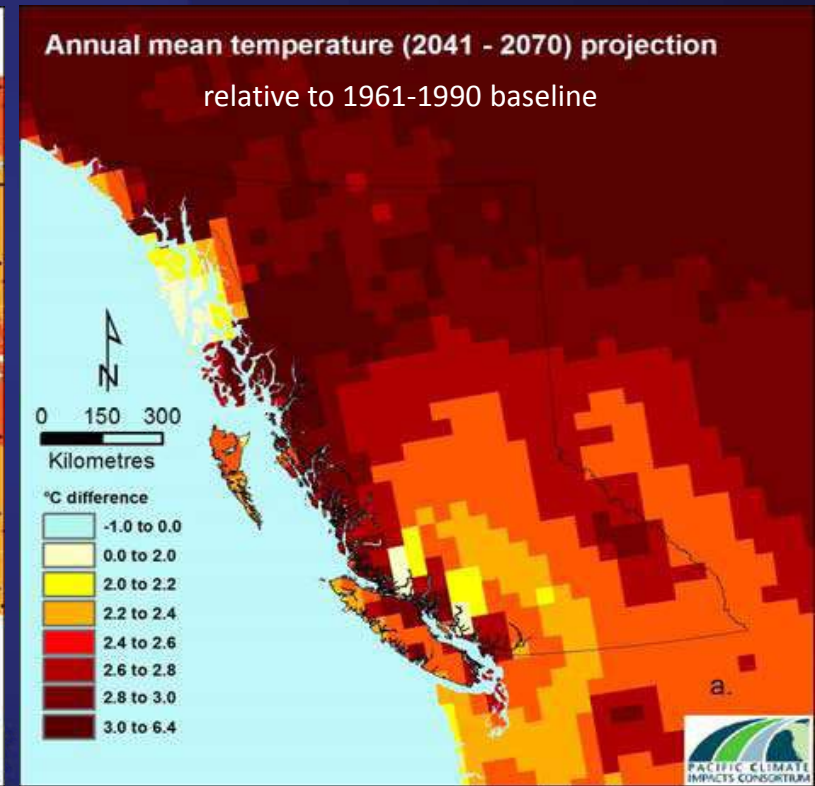


Zero Net Deforestation

Stakeholder Engagement Presentation

June 2010

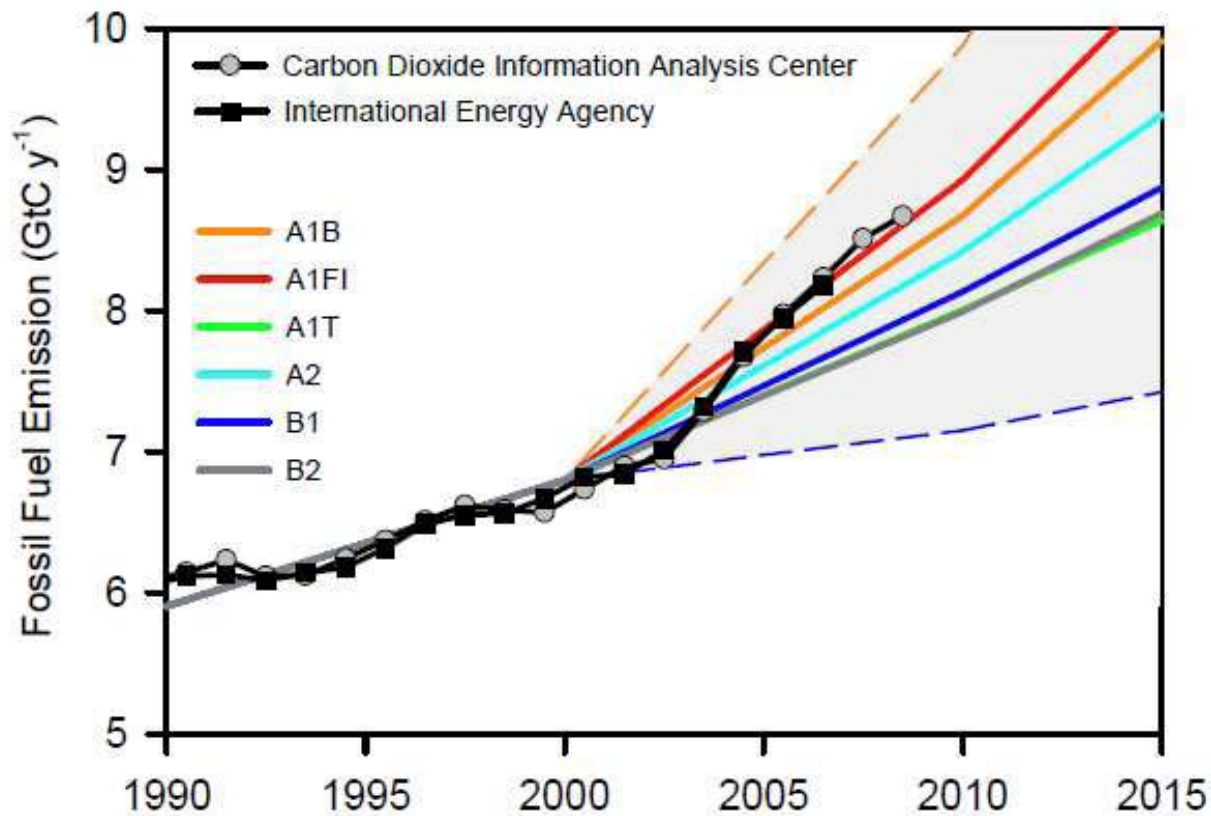
The Climate is Changing in B.C.





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Emission Scenarios



Raupach et al. 2007, PNAS, updated; Le Quéré et al. 2009, Nature Geoscience; International Monetary Fund 2009



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Outline

1. B.C. climate action
2. What is deforestation?
3. Zero net deforestation
4. Ideas for action



1. B.C. Climate Action Plan

- *Greenhouse Gas Reduction Targets Act* commits government to reduce B.C. emissions by 33% by 2020
- Zero Net Deforestation (ZND) is a key component of B.C.'s Climate Action Plan
- Achieving ZND by 2015 is required by the *Zero Net Deforestation Act*

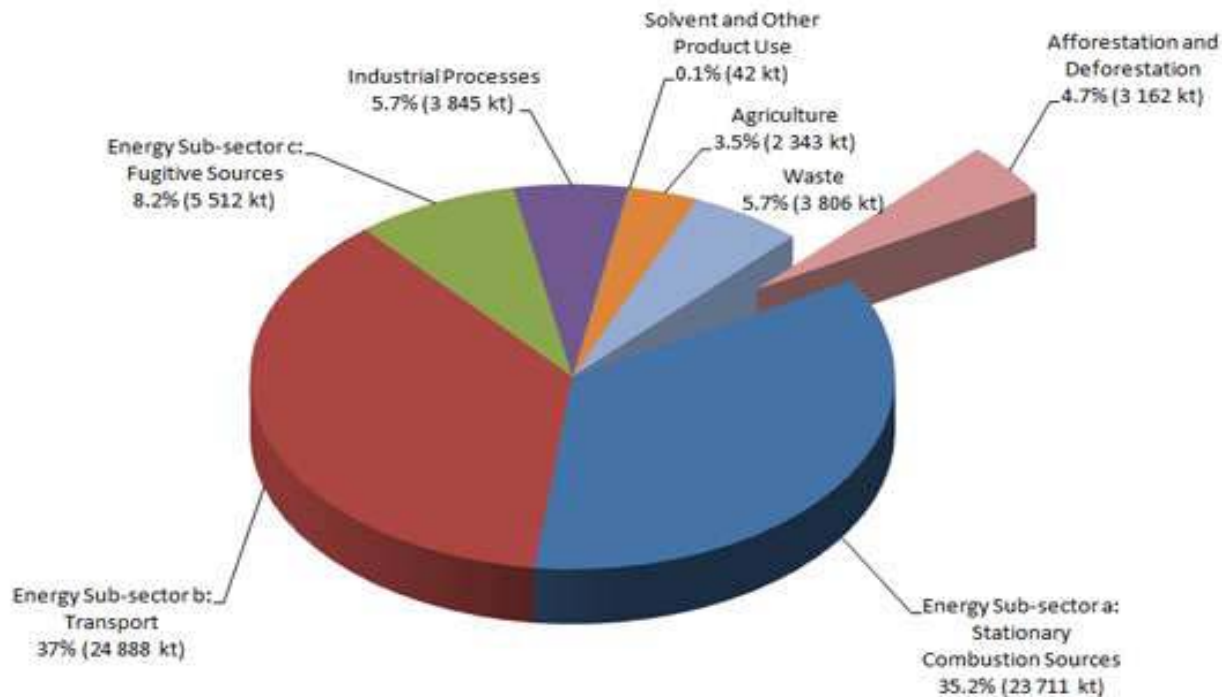


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B.C. Greenhouse Gas Emissions

67,309 kilotonnes CO₂e in 2007



British Columbia Greenhouse Gas Inventory Report 2007

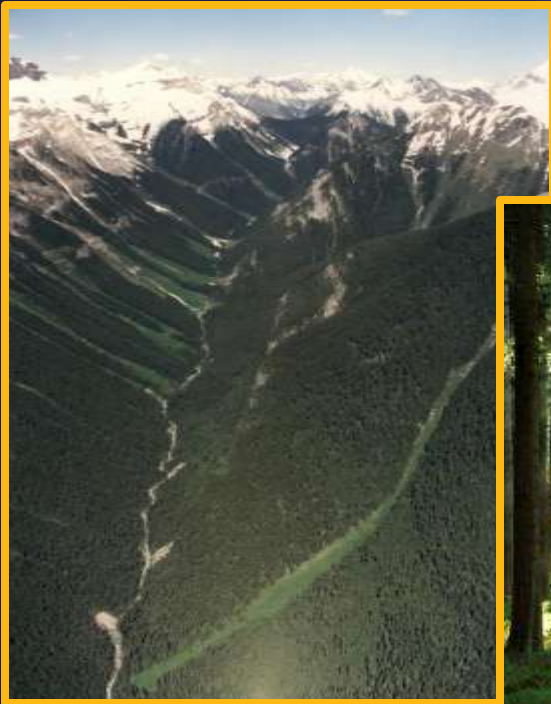


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About Two-Thirds of B.C. is Forested

60 million hectares of forest





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Timber Harvesting

- 180,000 hectares per year
- 0.3% of B.C.'s forests





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Reforestation

- Required after timber harvesting since 1987 (mostly planted)
- Not required after MPB, wildfire (mostly natural regeneration)





2. What is Deforestation?

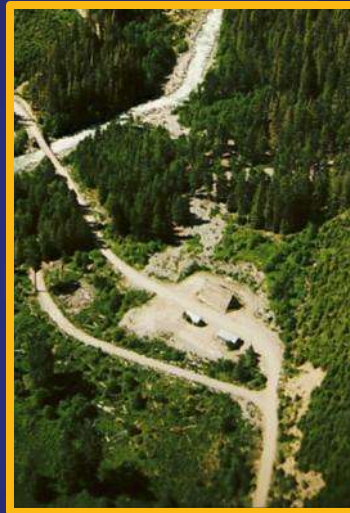
- Human-induced (permanent) change of land use from forest to non-forest
- Examples of deforestation:
 - Agricultural expansion
 - Urban development
 - Forestry (major access roads and landings)
 - Industries (mines, utility corridors, etc.)



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Deforestation

- 6,000 hectares per year
- 0.01% of B.C.'s forests





What is Forest?

- For reporting of areas deforested and afforested, forest is defined as:
 - Area > 1 hectare
 - Width > 20 metres
 - Tree cover $> 25\%$ or capable of achieving 25%
 - Trees height > 5 metres or capable of exceeding 5 metres



3. Zero Net Deforestation

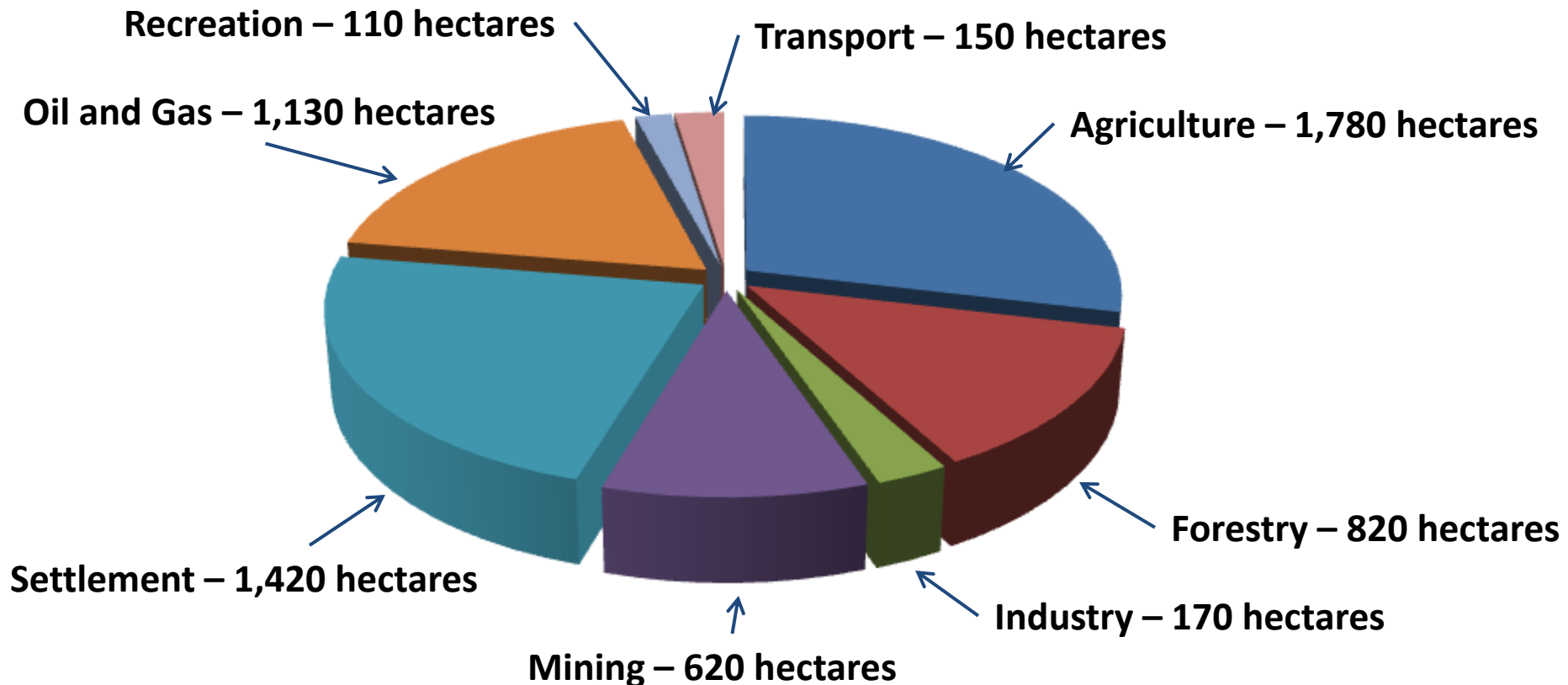
- Area deforested is less than or equal to the area afforested
- B.C. figures for 2007:
 - deforestation = about 6,200 hectares/year
 - afforestation = about 2,000 hectares/year
 - net deforestation = about 4,200 hectares/year



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Deforestation by Sector (2007)



Approximately 40% of deforestation occurs on private land and 60% on public land in B.C.



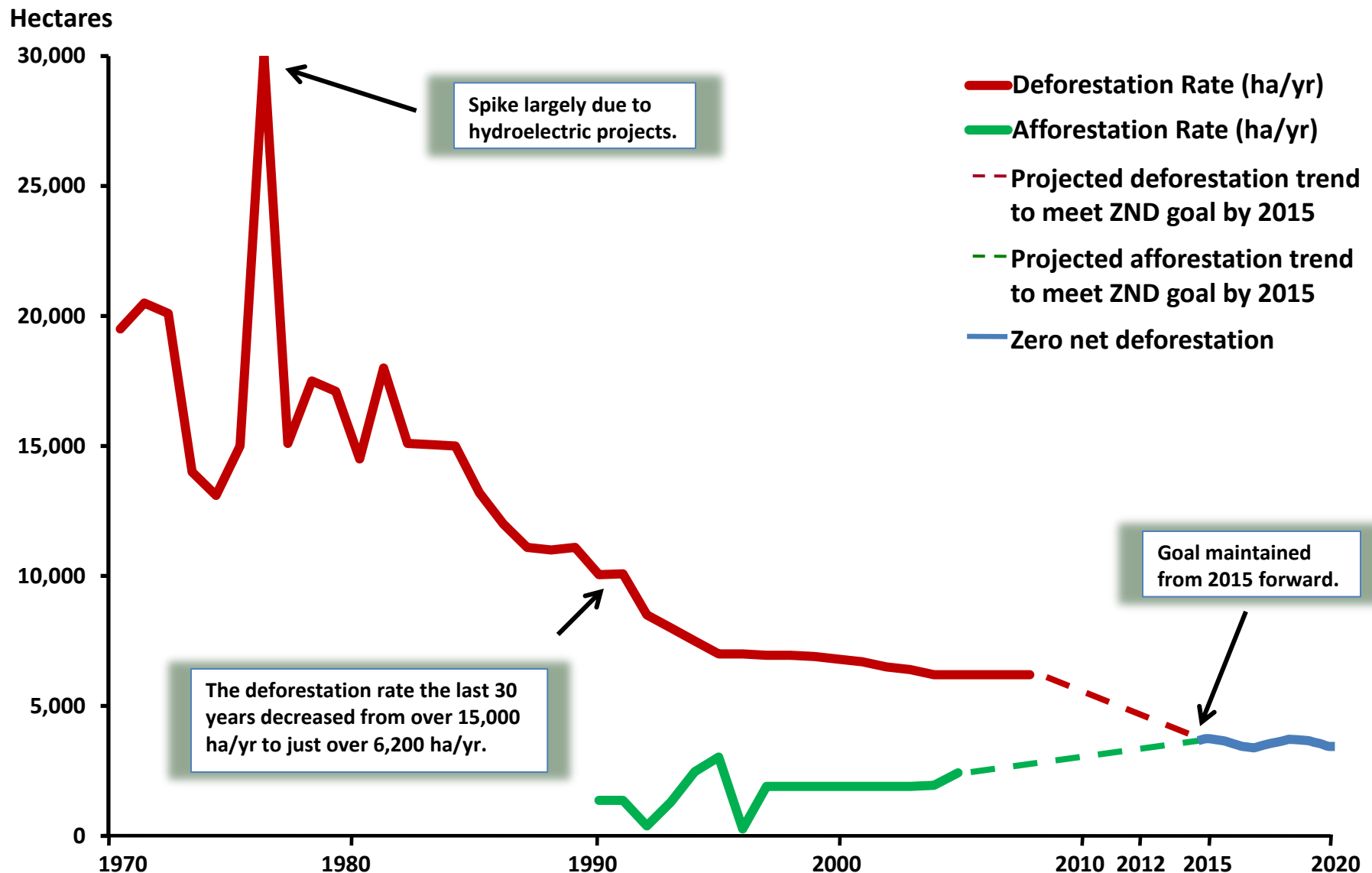
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Zero Net Deforestation Act, 2010

- Area of deforestation less than area of afforestation
- Goal of ZND must be achieved by Dec. 31, 2015
- Biennial public report on progress, actions, plans
- Power to make regulations

Reaching Zero Net Deforestation





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Government's Policy Direction

- Voluntary
 - No restriction on deforestation
 - No requirement to restore forest
- Incentives
- Public Awareness



4. Ideas for Action

Avoid loss of forest

- Think before you deforest – reduce greenhouse gas emissions

Minimize loss of forest

- Reduce “unnecessary” deforestation – reduce greenhouse gas emissions

Restore forest

- Plant non-forest areas – sequester carbon



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Incentives

- Business expense deduction (*Income Tax Act*)
- Charitable donations
- Revitalization tax exemptions (under local governments)
- Lower assessed land value
- Reduced development cost charges
- Green grants
- Carbon credits



Ideas for Agriculture

- Balance ZND objectives with food production
- Consider integrating trees as a complement to existing production practices, e.g., agroforestry
- Consider forestry on lands not intended for agricultural production
- Diversify income by managing existing forest for timber production
- Conservation initiatives on forested areas on agricultural lands



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Ideas for Urban Development

- Create and advertise climate-friendly product
- Reduce environmental “footprint”
- Reduce costs by reducing loss of forest with smart development
- New approaches could help earn LEED certification
- Recognition in Zero Net Deforestation reports



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Ideas for Forestry and Other Industries

- Brand your products as forest- and climate-friendly
- Earn recognition for Corporate Social Responsibility
- Support FPAC commitment to be carbon neutral by 2015
- Stimulate innovation
- Help recruit and retain young employees
- Recognition in Zero Net Deforestation reports

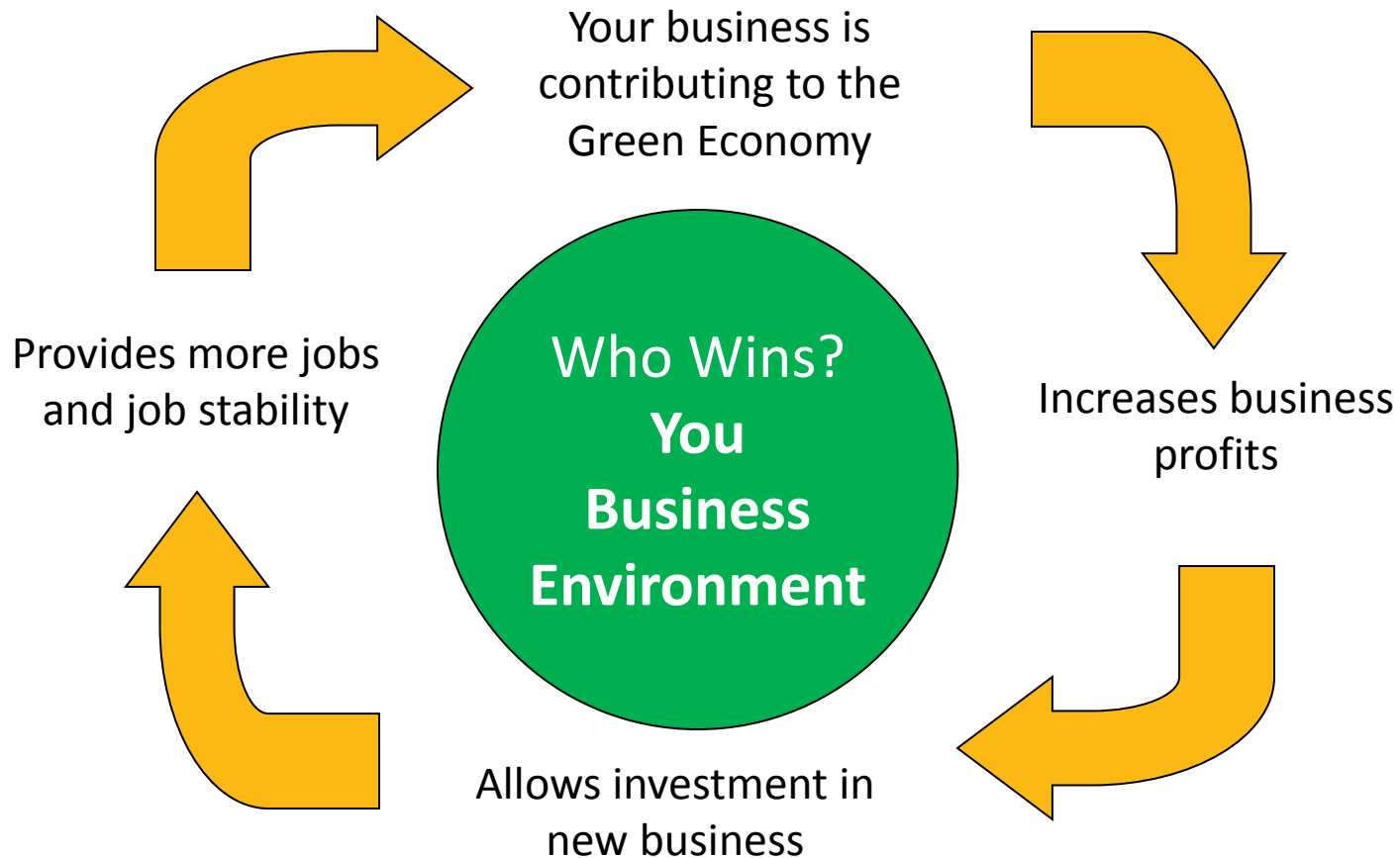


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Why You Should Be Part of ZND





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What Do You Think?

- What is the best way to raise awareness about zero net deforestation?
- How can your sector or community avoid and minimize deforestation?
- What can we do to encourage you to restore forest?



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Feedback

- Today and in written submissions by **July 9, 2010**

Website: www.for.gov.bc.ca/hfp/znd/feedback.htm

Email: znd@gov.bc.ca

...will help us develop an implementation plan



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Optional extra slides

For use in discussion, if useful



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Possible B.C. Definitions

Use international/national definitions to ensure credibility and consistency with national reporting

- UNFCCC, Kyoto Protocol
- National and B.C. Greenhouse Gas Inventory Reports

Other definitions and reporting may be developed for:

- urban forests
- urban “green” development
- riparian plantings, shelterbelts and buffers



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ZND Timeline

