Advancing Canada’s Forest Bioeconomy: 
A Comprehensive Approach

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Outline

• Overview
• CCFM Forest Bioeconomy Framework
• Bioenergy
• NRCan Actions
Forest Sector Challenges…

• Market conditions are changing
  – Newsprint demand in steady decline

• Canada’s climate change targets
  – From 742 Mt to 523 Mt by 2030

• Sector competitiveness
  – New markets and market access
...and Opportunities

Biobased Advantage

- Canada has:
  - the most biomass per capita in the world
  - the largest area of independently-certified forests in the world
  - mature and efficient wood fibre collection system
  - 6.5% of world bioenergy potential

Source: The State of Canada’s Forests Annual Report 2017
Innovation and Biorefineries

- Robust forest sector innovation ecosystem
- Thought-leader in devising new pathways for biomass
- Able to meet changing consumer expectations
- Biorefineries replacing the carbon from fossil fuels found in everyday products
Forest Bioenergy

• Forest bioenergy: a clear potential for energy independence
  – Up to 80% of remote (off-grid) Indigenous communities are located in forested areas estimated to have enough merchantable wood to support bioheating strategies.

• Local bioenergy also provides economic co-benefits:
  – Up to 90% of the energy revenues leaves communities that rely on imported oil products.
  – Up to 75% of revenue is reinvested in the community when utilizing locally sourced sustainable biomass.

• Reducing the reliance of rural and remote communities on diesel fuel is a priority under the Pan Canadian Framework.
Developing our vision:
2016/17 forest bioeconomy engagement activities gathered input from >350 people through:

- Facilitated sessions
- Targeted outreach
- Online survey

**Kenora Declaration on Forest Innovation**

1. **COLLABORATING** to accelerate and enhance sustainable, market-driven investments to commercialize process, product and market innovation, with a focus on environmental excellence;

2. **ENGAGING** prospective partners and new entrants in non-traditional industries and academic fields: making concerted efforts to facilitate connections with the forest sector; and,

3. **MOBILIZING** the best talent and technologies to address the future needs of the forest sector.
A Forest Bioeconomy Framework for Canada

• Outlines a bold new vision and a comprehensive approach...

• ...to accelerate the shift towards low carbon, sustainable economy...

• ...propelling the forest industry into renewed era of transformation

www.cccfm.org
Desired Future State

**VISION**
Canada will be a global leader in the use of sustainable forest biomass for advanced bioproducts and innovation solutions.

**PILLARS**

- **COMMUNITIES and Relationships**
- **SUPPLY of Forest Resources and Advanced Bioproducts**
- **DEMAND for Advanced Forest Bioproducts and Services**
- **Support for INNOVATION**

Left: currently the tallest all-wood building in the world, the 13-storey Origine building takes shape in Québec City (Source: EBC/Nordic/Synchro)

Centre and right: currently the tallest mass timber structure in the world, the 18-storey Brock Commons rises above UBC.
Achieving our Vision:

Pillars 1 and 2

- Communities are at the centre of the forest bioeconomy

- Mobilizing the bioeconomy requires predictable and secure access to biomass

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Achieving our Vision: Pillars 3 and 4

- Improved public awareness and effective regulations will increase demand pull for sustainable bioproducts

- The framework will facilitate innovation and research at every stage of the supply chain

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• Improved collaboration between governments, Indigenous peoples, and stakeholders

• Short term actions being considered by federal, provincial, and territorial governments
NRCan Actions

Canada’s forest bioeconomy is being built on our world-leading sustainable forest management practices, supported by research and robust science.
Mobilizing Pathways

**Budget 2017**
- Clean Energy for Rural and Remote Communities ($220M)
- Increased Use of Wood ($40M)

**Softwood Lumber Action Plan**
- Expanding Market Opportunities Program ($45M)
- Investments in Forest Industry Transformation ($55M)
- Forest Innovation Program ($63M)
- Indigenous Forestry Initiative ($10M)
Support for Clean Tech

- Supporting innovation
- Improving access to capital/financing
- Growing markets
- Strengthening coordination
Thank you!

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