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Presentation title: Promoting Sustainability in Pulp and Paper Production
Speaker’s name: Robert Jones
Pulp and Paper Green Transformation Program: Objective

- Improve the environmental performance of Canadian pulp and paper mills

Mill-level environmental improvements

Economic Sustainability

Community Sustainability
Program Development

- Announced on June 17, 2009
- 38 mills (24 companies) generated credits
- 16¢/litre of black liquor
- Up to $1,000,000,000
- Firms can invest their credits at any of their Canadian mills
- Investments before March 31, 2012
Review Processes

- Technical review
- Environmental assessment
- Aboriginal consultation
- Trade review
- Policy compliance review
Status Update

- As of October 11, 65 projects ($797 million) have been announced under the PPGTP
- Another $152 million in proposals received and currently under review
- Supporting ~ 11,000 jobs at 33 mills
Types of Projects

• Electrical exports
• Fuel savings
• Electrical savings
• Lime kiln upgrades
• Air emissions improvement
• Newer technologies
Environmental Benefits

- Approved PPGTP projects are expected to generate nearly 1.2 million MWh per year of renewable electricity.
- This is enough to power more than 100,000 homes!
Environmental Benefits

• Approved PPGTP projects are expected to generate 3.1 million GJ per year of renewable thermal energy
• This is enough to heat 49,000 homes!
Environmental Benefits

- Approved PPGTP projects are expected to save 6.4 million GJ of energy per year.
- This is enough to heat 101,000 homes!
Environmental Benefits

- Approved PPGTP projects are expected to reduce direct GHG emissions by more than 367,000 tonnes per year.
- This is equivalent to the emissions produced by more than 101,000 cars.

Total GHG emissions from Canadian Pulp and Paper Sector (2008)

Forecasted reductions by end of program (10%)
Other Environmental Benefits

- Air emissions reductions (SO₂ emissions, odour, particulates)

- Lower water usage

- Reduced solid waste

Smurfit Stone, La Tuque, Quebec: Project expected to reduce SO₂ emissions by 2,800 tonnes per year!
Building on Existing Infrastructure

- Using existing infrastructure and current harvesting practices, approved PPGTP projects are expected to add 189 MW of renewable electrical capacity.
- Equivalent to:

  - As much as the capacity of the Prince Wind Farm located near Sault Ste. Marie, ON
  - More than double the capacity of the Enbridge solar plant in Sarnia, ON.
  - More than the capacity of the Manic-1 dam on Lac Manicouagan in QC.
  - More than the capacity of the HR Milner coal-fired power station, located near Grande Cache, AB.
Conclusion

• PPGTP has resulted in significant environmental benefits.

• It has provided a sustainable platform from which mills can embark upon the next phase of industry transformation.
Questions?

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