



## Joint Session of the ECE Timber Committee and the FAO European Forestry Commission

Antalya, Turkey – 10-14 October 2011



Presentation title: Promoting Sustainability in Pulp and Paper Production

Speaker's name: Robert Jones

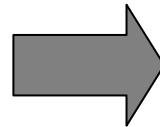


# Pulp and Paper Green Transformation Program: Objective

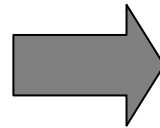
- Improve the environmental performance of Canadian pulp and paper mills



**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



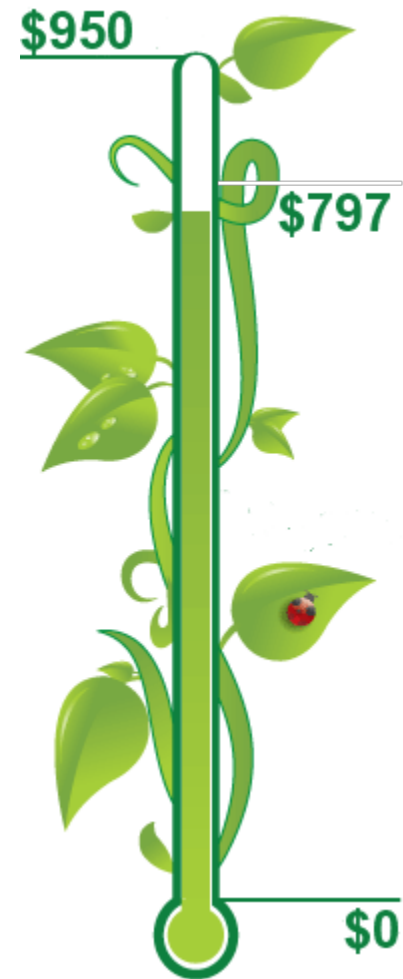
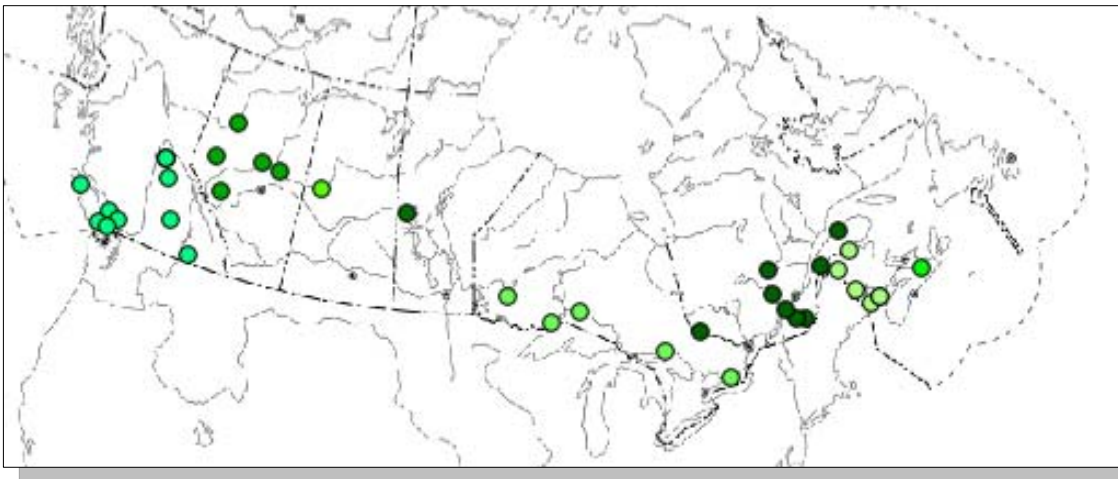
# Review Processes

- 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!





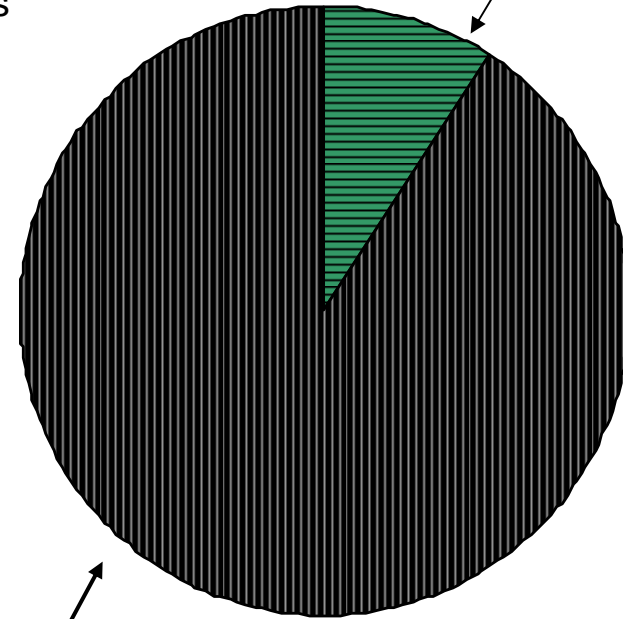
## Environmental Benefits

- 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.



Forecasted reductions by end of program (10%)

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



## Other Environmental Benefits

- Air emissions reductions (SO<sub>2</sub> emissions, odour, particulates)



- Lower water usage



- Reduced solid waste



Smurfit Stone,  
La Tuque, Quebec:  
Project expected to  
reduce SO<sub>2</sub> 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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