



## FACTSHEET

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# CATALYZING CHANGE FOR THE BETTER IN THE PAPER INDUSTRY

Catalyst is one of North America's leading newsprint and specialty mechanical papers companies.

### CATALYST PROMISES TO FIGHT CLIMATE CHANGE

Catalyst's Climate Savers commitment is to achieve a sustained 70% reduction in greenhouse gas (GHG) emissions over 1990 levels by 2010.

### AHEAD OF SCHEDULE

Catalyst is well ahead of its promise, which it achieved by 2005 and is maintaining in an intense period of industry restructuring and transformation. In 2006, Catalyst's CO<sub>2</sub> intensity was 175 kg per tonne of paper compared to 574 kg per tonne in 1990 - a reduction of 69%. And in 2008, its absolute level of CO<sub>2</sub> emissions was 72% below 1990 levels.

### DETERMINATION TO SUCCEED IN A CHALLENGING BUSINESS ENVIRONMENT

Between 2002 and 2005, Catalyst saved \$5 million in electricity costs through efficiency, and cut the use of fossil fuels by 46%, resulting in savings of \$13 million. 2008 was a year of financial challenge, with depressed paper markets and limited capital expenditures. With limited availability of a carbon-neutral biomass fuel supply, the company absorbed added costs from a carbon tax, while markets for carbon-neutral paper products remained limited.

2008 savings and energy costs are still being determined, but the company's small energy footprint continues to distinguish its product suite in the fiercely competitive pulp and paper markets today.

Catalyst continues to focus on fuel switching and energy conservation initiatives. This approach maximizes use of the carbon neutral biomass and minimizes energy requirements in the manufacture of pulp and paper products.

### A WORLD-CLASS VIRTUOUS CIRCLE OF WASTE RECYCLING

Catalyst is a leading producer of the mechanical printing papers that are used in directories, catalogues, magazines, ad inserts and daily newspapers throughout the US and worldwide.

Catalyst Paper set one of the most ambitious emissions reduction goals of any large corporation worldwide – a 70% reduction in its greenhouse gas (GHG) emissions by 2010 compared to 1990 levels. It achieved this ahead of schedule in both 2005 and 2006, while also registering significant reductions of intensity. This reduction is equal to eliminating more than 1 million tonnes of GHG annually.



“For a company focused on efficiency, combating climate change is natural

– by making informed choices about fuel use we reduce greenhouse

gas emissions, improve air quality and reduce operating costs.”

Catalyst Paper Corporation

[www.catalystpaper.com](http://www.catalystpaper.com)



## Catalyst Paper set one of the most ambitious emissions reduction goals of any large corporation worldwide.

In 2007, the reduction level fell back slightly to 69%, due largely to a limited supply of carbon-neutral biomass fuels.

### CATALYZING CHANGE FOR THE BETTER

Catalyst has developed a practical strategy to minimize its GHG emissions: it relies on wastes generated elsewhere within the industry (primarily sawmill leftovers such as bark and wood chips) to generate heat and electricity. In 2007, these and other renewable sources accounted for 87% of its total energy needs, including expanded use of methane captured from a municipal landfill site near to Catalyst's Paper Recycling Division.

### THE BEAUTY OF BIOMASS

Biomass has natural appeal to a company using forest products, and the imaginative use of wood waste as a fuel has been a major ingredient in Catalyst's remarkable emissions reduction success.

Catalyst uses biomass fuel in boilers equipped with emissions-control equipment to generate most of the steam and some of the electricity needed to manufacture its paper and pulp products. This has helped it

- reduce absolute GHG emissions equal to removing 250,000 cars from the road<sup>1</sup>
- generate about 63% of the energy the company uses – in 2005, burning biomass produced an average of 65 megawatts of power
- gain eco-logo certification from Environment Canada of 51 megawatts of power boiler, biomass-generated steam electricity.



Catalyst Paper Mill, Crofton

### CUTTING CARBON - SAVING MONEY

Cutting fossil fuel use by almost 50% over the past decade (equivalent of 700,000 barrels of oil) helps Catalyst reduce its exposure to fossil fuel costs. Employees have identified dozens of simple ideas to save energy and stamp out waste. One mill calculated that fixing an air leak in a quarter-inch pipe would save \$6,000 a year in wasted energy, while a one-inch air hose left running would cost the mill \$54,000 a year.

<sup>1</sup>To calculate this figure, Catalyst took the approach of using typical mid size North American passenger cars and their typical mileage: this is estimated to generate a carbon footprint of about 4 tonnes CO<sub>2</sub>e (CO<sub>2</sub> equivalent) per car per annum. Catalyst eliminated about 1,000,000 tonnes CO<sub>2</sub>e – which in turn relates to about 250,000 passenger cars

**69%**  
reduction in CO<sub>2</sub> intensity  
per tonne paper

**46%**  
reduced use of  
fossil fuels

**72%**  
reduction in absolute  
levels of CO<sub>2</sub> emissions

**\$5 million**  
saved in  
electricity costs

**87%**  
of total energy used generated  
by external industry waste

**\$13 million**  
saved by cutting use  
of fossil fuels