

Deploying “Shovel Ready” Energy-Efficiency Technologies at  
Nine Industrial Plants

## Project Description

CleanTech Partners and Focus on Energy, Wisconsin utilities’ statewide energy efficiency and renewable energy program, provided administrative and technical support for nine projects across five different industrial business sectors:

- Upgrade wood-waste boiler air systems
- Install new paper machine cleaner system
- Improve dryer hood efficiency for a paper machine
- Upgrade paper machine drying efficiency
- Upgrade paper machine economizer
- Install automated lighting controls
- Optimize drying and moisture removal
- Upgrade drying, lighting, and water heating systems
- Redesign steam and heating systems

<b>Recipient Organization</b>	CleanTech Partners
<b>Location</b>	Wisconsin cities: Cambria, Kaukauna, Kohler, Mosinee, Rhinelander, Rothschild, Sussex, Wauwatosa, Wisconsin Rapids
<b>Award Date</b>	November 2009
<b>Expected Operational Date</b>	All projects operating by January 2012
<b>Funding</b>	\$14.4 million in U.S. Department of Energy funding from the American Recovery and Reinvestment Act of 2009; \$15.6 million in private-sector cost share
<b>Equipment</b>	Varies by site



Pulp and Paper Mill, NewPage Wisconsin System Inc., Wisconsin Rapids, Wisconsin.

*Photo courtesy of NewPage Wisconsin System Inc.*

CleanTech Partners and Focus on Energy assisted the sub-awardees by providing project coordination, access to financing, and technical expertise during the implementation of these process upgrades at their industrial plants. All projects were complete and operational by January 2012.

## Benefits for Our Industry and Our Nation

The overall goals of these energy efficiency projects were to reduce energy intensity by at least 25%, create or save Wisconsin jobs, and keep the businesses competitive through lower costs and better equipment. The projects retained/created numerous jobs in Wisconsin and collectively save an estimated 1.2 trillion British thermal units (Btu) annually and reduce carbon dioxide emissions by 84,700 tons per year.

## Project Partners

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