

<p>New York State Environmental Investment Program Capital Project Summary</p> <p>Newton Falls Fine Paper Co., LLC</p>
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Project Background

Newton Falls Fine Paper (NFFP) is a new company that formed in 2007 to re-start an idled paper mill in St. Lawrence County. Initially, the mill owners would utilize one of the two paper machines left on site to manufacture various grades of coated paper. The company employs 110 people, including many with significant experience working for the prior owners of the mill.

Project Description

Costs of producing paper are typically very high. In order to assure the mill’s long-term success, NFFP would need to keep production costs as low as possible in its first few years of operation. Almost immediately, mill managers saw an opportunity to improve efficiencies and reduce costs by making improvements to one of the boilers being used to create steam at the plant.

The NFFP mill came with two boilers on site. Although both were functioning and capable of providing steam for production, neither was as efficient as possible. This project would install an Economizer and a Superheater on one of the boilers to significantly reduce fuel consumption, while increasing production and reducing

air emissions. This boiler would serve as the primary boiler, with the second boiler—which already had an economizer—serving as a back-up. Within a year of installing the new equipment on boiler one, the facility would reduce fuel use by 361,000 gallons per year and save at least \$516,516 without reducing production. As a result, for the same level of output, NFFP would emit at least 30.3 tons less nitrogen oxides (NO_x), 43.2 tons less Sulfur Dioxide (SO₂), 2.8 tons less Carbon Monoxide (CO), .5 tons less volatile organic compounds (VOCs) and 11 tons less particulates annually.

Project Results

Once the Economizer and Superheater were retrofitted to the boiler, the benefits began accruing almost immediately. After one year in operation, the outcomes far exceeded expectations. For the same level of production, a total 805,376 gallons of fuel reduced saved the mill close to \$1.15 million, and decreased annual NO_x emissions by 82.6 tons, SO₂ emissions by 117.7 tons, CO emissions by 7.6 tons, VOCs emitted by 1.4 tons and particulates emitted by 30 tons.

Contractor:	Council for International Trade Technology Education & Communication, Inc.	NYS EIP Investment:	\$94,349.00
County:	St. Lawrence	Contractor Match:	\$114,213.65
ESD Region:	North Country	Total:	\$208,562.65
ESD Contact:	518/292-5340	Completion Date:	February, 2009