

Custom Efficiency

CONTROL HUMIDITY, COST AND EARN REBATES

The Best Printing is Under Controlled Conditions

The printing process requires stringent humidity control to prevent machinery jams and other operational challenges during either dry or wet conditions. Therefore controlling air quality and its moisture content is critical to production.

The moisture content of a print shop is measured as relative humidity which affects the amount of moisture in paper. It can affect the toner adhesion, paper jams and the fuser roller temperature. In offset it can affect the interaction between the ink and the press, the paper and the press, and the ink and paper. Besides buying the right paper you need to stabilize your environment which can be done with an energy-efficient humidification system.

Earn Rebates

The Custom Efficiency program provides rebates for equipment and process improvements that generate energy savings. The program analyzes the energy savings difference between a less energy-efficient condition (baseline) and your higher energy-efficient proposal. Rebates are awarded on the incremental cost and savings associated between the two scenarios.



THE CHALLENGE:

A manufacturer of specialty printer labels for everything from dish soap bottles to beer cans required stringent humidity control to prevent machinery jams.

THE SOLUTION:

They upgraded their high pressure humidification system in order to introduce more moisture to the prepress, press and finishing areas where needed, while improving energy efficiency and maintaining production quality.

THE RESULTS:

The new system used approximately 60kWh per day. The old system used about 2,400 kWh per day. That translates to about \$140 in energy savings per day of operation, or nearly \$26,000 per year. They received a \$32,000 Xcel Energy rebate for their energy saving effort.

FINANCIAL SUMMARY

Estimated total project cost	\$83,000
Xcel Energy rebates earned	\$32,000
After-rebate cost	\$51,000
Annual energy savings	\$26,000
Payback term	2 years

GET STARTED NOW

Learn more about the Custom Efficiency rebate program by contacting your Xcel Energy account manager. Call our energy efficiency specialists at **1-800-481-4700** or email **energyefficiency@xcelenergy.com**.