



Energy
Efficiency
Program

Emerging technology: Successful projects



Helping us bring energy-efficient technology to our customers.

Participation in an emerging technology pilot is the first step in determining if your product or practice should be eligible for the Nicor Gas Energy Efficiency Program rebate. Pilots that establish promising therm savings in the Nicor Gas service territory will be considered for rebate offerings. Take a look at our current project successes to see the program in action.



100+ applications

We received over 100 applications from manufacturers, sales representatives and contractors to date.



24 pilot projects

We launched more than 24 pilot projects in residential, commercial and industrial markets.



5 new rebates launched

We identified, evaluated and facilitated five emerging technologies as new rebates through the Nicor Gas Energy Efficiency Program.



Annual savings at field test sites

- **Industrial air curtains** in a distribution warehouse reduced natural gas consumption by more than 400 therms each.
- **Destratification fans** saved a big-box store more than 3,500 therms per year.
- **Modulating gas valve retrofits** on commercial clothes dryers provided an average gas savings of 333 therms per dryer.

Proof positive: ozone laundry

The emerging technology program identified, evaluated and helped introduce commercial ozone laundry as a rebate to the Nicor Gas Energy Efficiency Program, in June 2013. The commercial ozone laundry rebate lowers the customer's initial equipment cost through a streamlined, easy-to-use application process. Since its introduction as a prescriptive rebate, customers have received more than \$478,000 in ozone laundry rebates and have saved more than 331,000 therms.

Proof positive: high efficiency heating roofop units

High efficiency heating roofop units (RTUs) are transforming the early market development of 100% outdoor air condensing RTUs. This pilot identified commercial applications that can address the adoption of condensing RTUs. 100% outside air systems are emerging as the most promising early market entry point for the condensing RTUs. The pilot work is being cited by the Consortium for Energy Efficiency (CEE) in its published market characterization and technology assessment report.

Current technologies being field tested

- Air deflector for unit ventilator
 - Up to 15% therm savings
- Venturi steam traps testing
 - Up to 30% therm savings over mechanical steam traps
- Biodegradable descaler for boilers
 - Up to 7% therm savings

Completed field tests

We have completed field tests for several technologies, including:

- High-efficiency condensing heating rooftop units
- Commercial and industrial air curtains
- Central heating system additive to improve heat transfer
- Modulating gas valve retrofits for commercial food service equipment
- Commercial dynamic air balancing for constant volume rooftops
- Dryer moisture sensor retrofit for commercial gas dryers
- Pulsing gas submeter

Submit your application today

Submit applications for innovative improvements and bring your energy-efficient concepts to life. If you are an engineer, entrepreneur, business owner or manufacturer with an energy efficiency technology, then Nicor Gas Energy Efficiency Program would like to speak with you. Submit your application online at nicorgas.com/emerging

Offer your home or business for a pilot

Current Nicor Gas customers can offer their home or business as a pilot assessment site. Contact the The Nicor Gas Energy Efficiency Program Emerging Technology team at NicorGasETP@gastechnology.org to determine if your home or business qualifies.

For a complete list and to view the final public project reports, visit nicorgas.com/emerging

