



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 would be eligible for a 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 have received over 100 applications from manufacturers, sales representatives and contractors to date.



64 pilot projects

We launched more than 64 pilot projects in residential, commercial and industrial markets.



17 new rebates launched

We identified, evaluated and facilitated 17 emerging technologies as new rebates through the Nicor Gas Energy Efficiency Program.



Program level savings (through 2020)

- Programmable thermostat – Pilot assessment conducted during the 2013-2014 heating season in residential homes provided an average annual energy savings of 55 therms per home. The measure accounted for a total program-level savings of over 5.5 million therms for all Nicor Gas consumers.
- High-efficiency furnace (>92% AFUE) – The 2013 pilot project in a big box retail store resulted in an annual savings of up to 2,395 therms per unit. The measure has accounted for more than 677,000 therms at a program level for all Nicor Gas consumers.
- Modulating dryer retrofits – The 2014 pilot assessment on commercial clothes dryers provided an average annual gas savings of up to 333 therms per dryer. The measure has accounted for an annual energy savings of over 28,000 therms at the program level for all Nicor Gas consumers.

Highlights from recently completed pilots

An online calculator was developed as a part of the Nicor Gas Emerging Technology Program to accurately estimate savings associated with commercial and industrial pipe insulation measures based on application specific inputs.

The chemical boiler descaling pilot assessment provided an estimated gas savings of 4.4% to 6.4% per boiler.

The residential interior storm windows pilot assessment provided an annual savings estimate of 16-29% heat loss reduction per window.

Due to the Emerging Technology Program's efforts, all the above measures were included in the Illinois Statewide Technical Reference Manual (TRM) which is a repository for prescriptive energy efficiency measures.

Completed field and laboratory tests

We have completed field tests for several other technologies, including:

- Commercial and industrial air curtains
- Commercial boiler descaling
- Modulating gas valve retrofits for commercial food service equipment
- Commercial dynamic air balancing for constant volume rooftops
- Dryer moisture sensor retrofit for commercial and residential gas dryers
- Pulsing gas submeter
- Venturi steam traps
- Residential interior storm windows

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 a manufacturer with an energy-efficient technology, then the Nicor Gas Emerging Technology Program team 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 Nicor Gas Emerging Technology Program team at nicorgasetp@gti.energy to determine if your home or business qualifies.



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



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