



Energy  
Efficiency  
Program

Understanding

# Boiler tune-ups

## About the technology

### Heat and distribution

A boiler is a heat source that works with a heat distribution system and control system to regulate indoor temperatures. It works by heating water to create steam that is transferred along the heat distribution system through a series of pipes. The control system, typically a thermostat, regulates the amount of heat that is distributed.

### Maintaining your boiler

Regular tune-ups go a long way towards maintaining the high performance of your heating system. The typical life expectancy of a boiler is 15 to 30 years. Although you can only receive a boiler tune-up rebate from the Nicor Gas Energy Efficiency Program every 36 months, you should maintain your boiler by having a boiler tune-up performed every year.

### Professional services included in a boiler tune-up:

- Complete visual inspection of system piping and insulation
- Check for proper venting
- Check adequacy of combustion air intake
- Pre-test combustion efficiency of the boiler using an electronic flue gas analyzer (print out or picture are acceptable)
- Inspect and clean burner
- Inspect and clean combustion chamber and fire-side exchange surface
- Adjust burner and gas input, manual and/or motorized draft control
- Adjust airflow and reduce excessive stack temperatures
- Post-test combustion efficiency of the boiler using an electronic flue gas analyzer (print out or picture are acceptable)
- Check safety controls

<sup>1,2</sup>energystar.gov

The Nicor Gas Energy Efficiency Program is funded by Nicor Gas customers in compliance with Illinois law. 120320\_BoilerTuneUp\_Techsheat

## Why boiler tune-ups?



### Performance

Enhances equipment performance and extends equipment useful life<sup>1</sup>



### Air quality

Reduces hazardous air pollution and improves air quality<sup>2</sup>



### Comfort

Consistent, quiet and comfortable heating

A boiler tune-up improves the efficiency of your boiler, allowing the equipment to use less energy and last longer.

### How to participate in the Nicor Gas Energy Efficiency Program

Receiving energy-efficient equipment rebates through the Nicor Gas Energy Efficiency Program is easy. Follow these three steps to apply:

1. **Verify your eligibility**
  - You must be a Nicor Gas commercial customer to participate.
2. **Have qualified tune-up services performed on your boiler(s)**
  - Qualifying services must be completed between January 1, 2021 and December 31, 2021.
3. **Apply for your rebate**
  - Apply within 90 days of installation or by January 31, 2022, whichever comes first, to receive your rebate.
  - Download a paper application or apply online by visiting [nicorgas.com/apply](https://nicorgas.com/apply). Once your application is approved, you will receive your rebate check in approximately six to eight weeks.



### Rebate eligibility requirements

- Rebates are available on a per-boiler basis and can only be claimed once every 36 months.
- Eligible boilers must have an input capacity > 100 MBTUH and have been operational for at least two years.
- Boilers installed as part of a new facility construction are not eligible.
- Only natural gas steam and hot water boilers are eligible. Domestic hot water boilers are not eligible.
- The combustion efficiency of the boiler must be tested pre- and post-tune-up, and an increase in efficiency must be shown at the mid- or high-fire range, or fire rate most commonly used in the facility.

Additional requirements apply. You can view the full requirements on our boiler tune-up application, which you can download at [nicorgas.com/apply](https://nicorgas.com/apply).

Visit [nicorgas.com/bizrebates](https://nicorgas.com/bizrebates) or call **877.886.4239** to learn more.

