

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 energySMART 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

^{1,2}energystar.gov

Why boiler tune-ups?



Performance

Enhances equipment performance and extends equipment useful life¹



Air quality

Reduces hazardous air pollution and improves air quality²



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 energySMART

Receiving energy-efficient equipment rebates through energySMART 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, 2019 and December 31, 2019.

3. **Apply for your rebate**

- Apply within 90 days of installation or by January 31, 2020, whichever comes first, to receive your rebate.
- Download a paper application or apply online by visiting nicorgasrebates.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 nicorgasrebates.com/apply.

Visit nicorgasrebates.com or call **877.886.4239** to learn more.