

Boiler Tune-Up Energy-Savings

NIPSCO ENERGY EFFICIENCY PROGRAMS FOR BUSINESSES



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Discover NIPSCO's cash incentives

Incentives are available for a variety of HVAC measures including natural gas boiler tune-ups. View the full Prescriptive and/or Small Business Direct Install (SBDI) measure lists at [NIPSCO.com/Prescriptive](https://www.nipSCO.com/Prescriptive) or [NIPSCO.com/SBDI](https://www.nipSCO.com/SBDI).

Learn more about tune-ups and what they entail by checking out the **Boiler Tune-Up Checklist** at bit.ly/BoilerTuneUp.

Save energy by optimizing!

Check out NIPSCO's Retro-Commissioning (RCx) incentives at [NIPSCO.com/RCx](https://www.nipSCO.com/RCx). Part of the Custom Incentive Program, they help businesses assess energy performance and optimize existing systems for savings.

Why is routine preventive maintenance important?

NIPSCO customers should regularly have their boilers serviced by a professional technician. Here are some of the key benefits of scheduling this preventative maintenance:

Improves the boiler's efficiency, which can help reduce energy costs.

Regular tune-ups enhance your system's performance, allowing it to operate more efficiently and potentially lower your overall energy expenses.

Helps prevent breakdowns, ensures top working order and extends the life of your equipment.

Boiler maintenance supports the reliable operation of your systems, helping to maintain consistent performance and possibly extending the equipment's lifespan.

Mitigates major repairs by embracing manufacturer recommended preventative maintenance strategies.

Routine checks may help maintain the reliability of your equipment, reducing the likelihood of unexpected disruptions and helping to manage repair costs over time.

Common energy efficiency actions for boiler systems¹

Component	Objective	Action
COMBUSTION	Reduce stack losses	Measure and monitor flue gas temperature
		Reduce air leaks in stack
		Keep stacks and airways clean
		Reduce flue gas temperature
	Reduce excess air	Test and monitor flue gas oxygen levels
		Check and eliminate air leaks in boiler
		Optimize oxygen concentrations for boiler operating levels
		Install or adjust positioning controls
		Install or calibrate oxygen sensors and controls
	Improve heat transfer	Remove fouling and scale on the water side of boiler tubes and heat exchangers
		Increase boiler insulation
		Increase heat transfer surface areas
		Reduce boiler blow-down losses
	Recover waste heat	Add stack economizer to preheat boiler feed water
		Collect and return steam condensate to boiler feed water
Add waste heat recovery device to preheat intake air or for process heating		
STEAM	Reduce or eliminate losses	Maintain or increase insulation to reduce heat loss
		Find and repair failing steam traps
		Find and repair steam leaks
		Upgrade steam traps
		Shorten and optimize steam piping runs
	Recover waste heat	Recover blow-down steam
		Recover flash steam from steam traps and use for preheating boiler feed water
		Recover flash steam low temperature steam applications
		Recover condensates
	Optimize demand and uses	Evaluate steam system uses and determine if less steam or lower temperatures can be used
		Schedule steam uses to maximize boiler output efficiency
PROCESS	Improve process efficiency	Replace old inefficient boilers and steam systems
		Consider alternative process heating methods if more efficient than steam or hot water systems

Get started saving!

Now that you know more about routine preventative maintenance, visit trcsavesenergy.com/TradeAlly/TradeAllySearch to find an experienced contractor or contact a TRC Field Engineer in your area by visiting trcsavesenergy.com/Home/ContactUs or calling TRC at **1-800-299-2501**.

¹energystar.gov/sites/default/files/buildings/tools/BoilerTune-Up_Benefits.pdf