

# HEAT PUMP INFORMATION FOR TENANTS



## **Congratulations!**

Your building owner is participating in IRA Home Electrification and Appliance Rebates (HEAR). This means they care about making your building and unit more energy efficient and want to give you information on equipment being installed.

HEAR provides rebates to multifamily properties and households installing heat pumps and other efficient electric equipment to electrify Wisconsin homes. This program is available to Wisconsin residents in single-family homes and multifamily buildings, earning 150% of Area Median Income (AMI) or less.

Heat pump technology is an option for high efficiency heating and cooling. A heat pump can stand alone or complement a traditional furnace or other heating equipment. It also provides a simple way to introduce air conditioning to your home.

## **Benefits of a Heat Pump**

- **Efficient.** Heat pumps use less energy, even in cold climates like Wisconsin, and can cool your home in the summer.
- **Flexible Comfort.** A heat pump maintains consistent temperatures in your home by providing a low volume stream of air for long periods of time. Different heat pump configurations can complement existing heating systems or fix uncomfortable areas of your home.
- **Healthier.** Heat pumps may offer air filtration and dehumidification, keeping a home's air cleaner and reducing the likelihood of mold and mildew.

A heat pump is an electric heating system. Running one will increase your electric use. In many cases, the cost of this additional electric use can be offset by savings elsewhere, such as reduced propane or oil heating bills. Cost savings will vary based on a household's previous heating system, fuel types and prices, and how the new heat pump(s) will be used.

A dual-fuel, or hybrid, heat pump may be recommended. These systems allow a home to keep a fossil fuel backup system. In nearly ALL cases, homes traditionally being heated by fuel oil, propane, or electric resistance will see annual savings when a hybrid system is installed.

**Offsetting natural gas use with a dual-fuel system can often lead to small annual fuel savings. However, in some cases, these systems may also result in an increase in annual utility bills. Individual situations will vary significantly.**

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The information on this page is for reference only.

A Wisconsin Public Service Commission report, “Planning for Wisconsin Air Source Heat Pump Market Transformation<sup>1</sup>”, analyzed the various impacts of installing dual-fuel heat pumps in Wisconsin. The table below shows the estimated annual cost savings when adding a heat pump to a new or existing natural gas or propane heating and cooling system.

**Table 1: Estimated Annual Cost Savings**

Existing Fuel & Equipment	Heat pump Being Added to a New or Existing System	Estimated Annual Cost Savings: Multifamily
Natural Gas Furnace	Single- or 2-Stage Heat Pump	\$95
Natural Gas Furnace/Boiler	Variable-Speed Heat Pump	\$136
Natural Gas Furnace	Cold-Climate Heat Pump	\$125
Propane Furnace	Single- or 2-Stage Heat Pump	\$698
Propane Furnace/Boiler	Variable-Speed Heat Pump	\$1,039
Propane Furnace	Cold-Climate Heat Pump	\$924

Assumptions for values in the table above:

Year home built = 1960 - 1979

Conditioned sq. ft. = 1,690

Heat pump size = 2 tons

Furnace efficiency = 95% AFUE

Switchover temp = 40°F

Electricity price = \$0.132 / kWh

Natural gas price = \$0.981 / therm

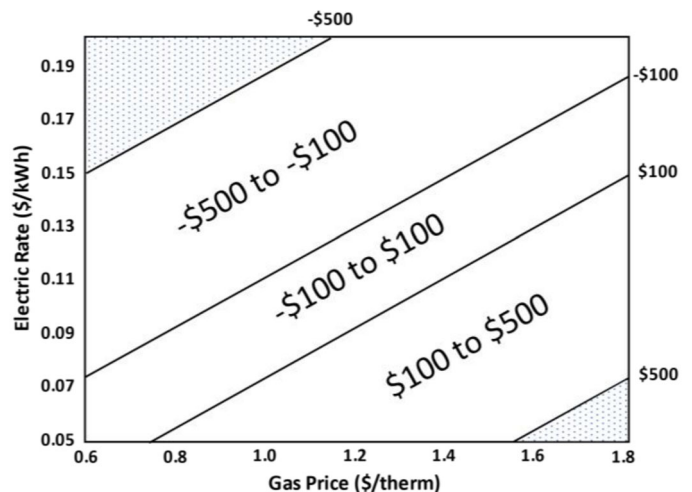
Propane price = \$2.24 / gallon

Table 2 can be used to estimate the annual utility bill impact for a dual-fuel heat pump that has an existing natural gas furnace.

**Instructions:**

Circle the nearest electric rate and gas price for your home. Draw lines from each axis until they connect. This would be the estimated annual savings (or additional cost) if your home was the same as the assumptions for the table above.

**Table 2: Estimated Utility Bill Impact**



<sup>1</sup> <https://apps.psc.wi.gov/ERF/ERFview/viewdoc.aspx?docid=472912>

**Additional resources:**

Focus on Energy Heat Pump Page: <https://focusonenergy.com/equipment/heat-pump>

Focus on Energy Heat Pump Guide: <https://flipbook.focusonenergy.com/view/161641822/>