

# High-efficiency heat pump system

Know your power to  
lower your electric bill by  
using a high-efficiency  
heat pump.

[KnowYourPower.com](http://KnowYourPower.com)



# What to know

Heat pumps are the most efficient method of home heating and cooling. And, when you have a heat pump installed through Tacoma Power, we'll give you a \$400 rebate and up to \$600 of duct sealing services.

## GET MONEY BACK WITH OUR PROGRAM

Tacoma Power will give you a \$400 rebate and up to \$600 worth of duct sealing work when you have a new high-efficiency heat pump system installed by one of our participating contractors. See qualifying requirements below.

## BENEFITS OF WORKING WITH TACOMA POWER

When you work with Tacoma Power to install your heat pump system, take comfort in knowing that:

- Participating contractors have special training and certification to ensure that your heat pump is properly installed, the ducts have been sealed and the controls are correctly selected and installed.
- Contractors will submit your rebate application and necessary paperwork to Tacoma Power.
- Tacoma Power will randomly inspect heat pump installations done through our program to ensure quality.

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## YOU QUALIFY FOR A REBATE IF:

- You're a Tacoma Power customer
- You install a heat pump that meets these minimum program equipment efficiency standards:
  - A minimum Heating Seasonal Performance Factor (HSPF) of 8.5
  - A minimum Seasonal Energy Efficiency Ratio (SEER) of 14
- A Performance Tested Comfort Systems certified technician commissions your newly installed heat pump system, and the duct system is tested and meets minimum program requirements.

## **WHAT IS A HIGH-EFFICIENCY HEAT PUMP SYSTEM?**

A high-efficiency heat pump system consists of a heat pump unit, tested and sealed ducts, and advanced temperature and defrost controls.

A heat pump system both heats and cools your home. During the heating season, heat pumps use a refrigerant to extract residual heat in the outside air and use it to heat your home. During the cooling season, heat pumps remove heated air from your house and release it outside. Because heat pumps move heat rather than generate it, they can provide up to three times as much energy as they consume.

## **WHY IS DUCT SEALING IMPORTANT?**

A properly sealed duct system can make your home more energy efficient and save you money. Installing your heat pump without sealing the ducts means you'll waste energy and money – nearly \$2,000 over the lifetime of the heat pump in a typical home.

## **WHY IS COMMISSIONING IMPORTANT?**

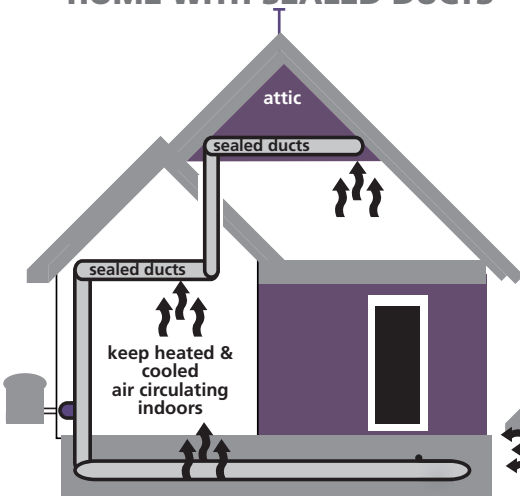
Commissioning is the testing and documentation of your heat pump's performance. It ensures that the heat pump is installed to the manufacturer's recommendations and that it's performing as designed. Commissioning your heat pump can ensure that the system is operating at peak efficiency, saving you heating and cooling dollars and guarding against premature equipment failure.

## WHY CHOOSE A HIGH-EFFICIENCY HEAT PUMP SYSTEM?

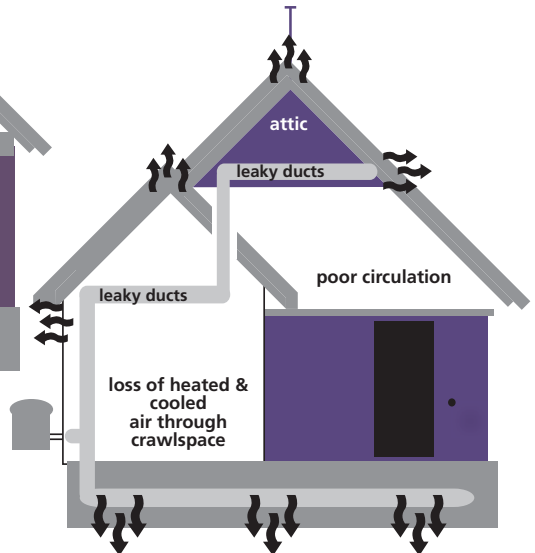
When you install a high-efficiency heat pump system, you'll use less energy for heating and cooling, which will result in lower electric bills. While heat pumps can be costly to purchase, you'll recoup your initial investment through energy savings over time.

In addition to saving energy, heat pump systems dehumidify homes during warm, humid summer days and help reduce the potential for mold and mildew growth, leading to better air quality inside your home.

### HOME WITH SEALED DUCTS



### HOME WITH LEAKY DUCTS



## HOME HEATING COMPARISON CHART

In our climate, home heating costs can add up to a significant portion of your budget. This chart shows the cost of heating a typical home using a variety of heating system types, including a high-efficiency heat pump system.

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### AVERAGE ANNUAL HEATING COST of a typical home by heating system type

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High-Efficiency Electric  
Heat Pump System (8.5 HSPF)

**\$523**

Electric Heat Pump (Fed Min HSPF 7.7)

**\$840**

Woodstove

**\$856**

Electric Baseboards/Wall Heaters

**\$1,044**

Natural Gas Furnace (80% efficient)

**\$1,215**

Electric Furnace

**\$1,228**

Oil Furnace (with flame retention burner)

**\$1,814**

**Costs based on  
these assumptions:**

Average home size: 1,894 sq. ft.

Average heat load: 55,659,200 BTU

Electricity cost: \$0.62 / kWh

Natural gas cost: \$1.00 / Therm

Oil cost: \$2.30 / gallon

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*Program requirements and rebate amounts are subject to change without notice.  
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