



# SWEET

SOUTHWEST ENERGY EFFICIENCY PROJECT



## WHAT IS A HEAT PUMP?



A **heat pump** is part of a home heating and cooling system. Part of the heat pump is installed outside your home, and part is installed inside. Heat pumps are essentially reversible air-conditioners (AC). They transfer heat from inside your home to the outside like an AC during warm weather, or from the outside to inside your home during cooler weather.

*Clean, efficient  
heating and  
cooling*



### HOW THEY WORK

Air-source heat pumps move heat between the air inside a home and the air outside, while ground-source heat pumps transfer heat between the air inside a home and the ground outside a home; both use a refrigerant system (like an AC). Air-source heat pumps can be either ducted or ductless.



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## Heat pump facts



**Heat pumps are three-to-four times more efficient than a furnace. That means you're using less energy to stay just as warm.**



**They heat and cool, which means you are getting two appliances for the price of one.**



**Heat pumps are one of the best ways to lower your household's carbon emissions.**



**Heat pumps are not cheap, but can be very cost-effective for some applications. For example, when your home's AC system needs to be replaced, choosing a heat pump instead will cost about the same with utility and other rebates available. And if your home is currently heated with baseboard electricity or propane, using a heat pump to heat your home will reduce your heating costs significantly.**

*The Southwest Energy Efficiency Project (SWEEP) is a public interest nonprofit organization advancing energy efficiency, beneficial electrification, and clean transportation in Arizona, Colorado, Nevada, New Mexico, Utah, and Wyoming.*

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