

1,900,000 B.C.

Archaeologists believe that around this time people started using fire in a controlled way. They created central fires in dwellings that had openings in the roof for smoke to escape.



❖ **ELECTRICITIES of NC**

The **EVOLUTION OF**

**KEEPING WARM &
STAYING COOL**

B.C. - 2024

2500 B.C.

Ancient Greeks developed central heating using radiant heat.

1948

Robert C. Webber invented the direct exchange ground-source heat pump.

2024

Safe, efficient heating and cooling are as close as your thermostat or smartphone.



A heat pump will save you money and stand the test of time.

Heat and cool with one unit.

Heat pumps work by moving heat inside or outside based on the temperature on your thermostat.

Lower your energy bill.

Heat pumps use less energy than traditional heating and cooling systems. They can produce two to four times as much heat energy as they consume.

Reduce emissions.

Using a heat pump can reduce your household carbon dioxide emissions by 40-50%, depending on how your electricity is generated.

Pump up your savings.

Federal, state, and local governments offer rebates and incentives for switching to a heat pump. Contact your public power provider to find out what might be available in your community.

<https://rmi.org/clean-energy-101-heat-pumps/>
<https://www.sciencedirect.com/science/article/pii/S0301421522000386>
<https://rmi.org/its-time-to-incentivize-residential-heat-pump>