

Achieving Decarbonization in Chicago



Eliminating reliance on natural gas for energy

Eliminating reliance on coal for energy

Investing in green energies

Investing in electrification

Goals

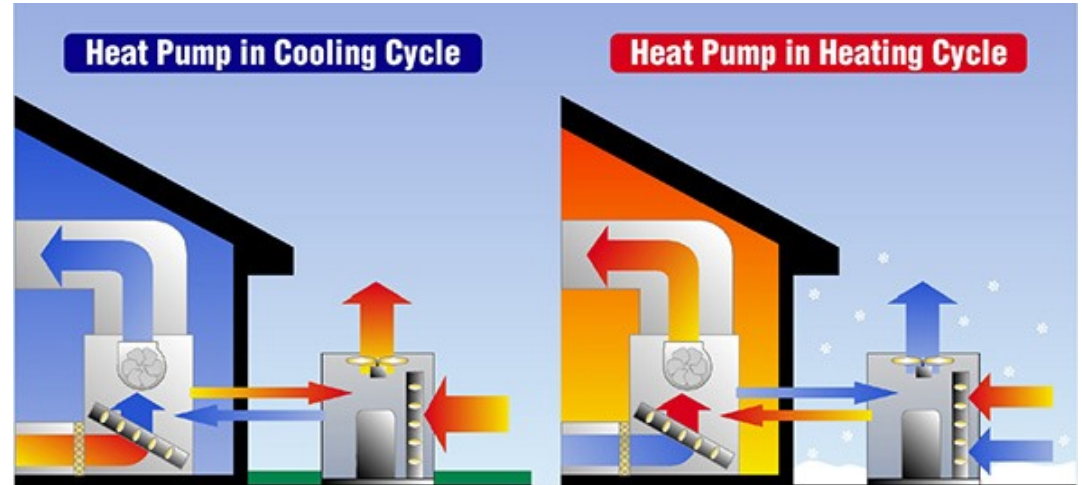
- Changing infrastructure that was once reliant on natural gas
- Implement solar, wind, and electrical power sources
- Equitable transition into greener energy implementation

Why Heat Pumps

- Heat pumps cost less for the consumer over the lifetime of the device - they typically save \$4000
- Heat pumps replace both a

Why Heat Pumps Work

The majority of energy used by a home goes to space heating. Heat pumps work by moving heat rather than generating heat. Because of this, heat pumps function as both AC and as a furnace by moving warm air in or out of space. Heat pumps out-perform even high-efficiency furnaces in terms of cost and carbon emissions. Overtime, heat pumps will reduce our carbon emissions whether they are replacing furnaces in already built homes or if they are installed as new homes are built.



Facts & Figures

furnace and AC unit

- Heat pump technology has improved to be able to handle intense weather (very hot summers and very cold winters) like the ones experienced in Chicago
- Installing heat pumps rather than furnaces and air-conditioning into new homes as they are being constructed is easy

Remember...

if 500,000 homes were built with heat pumps instead of natural gas sources, total carbon emissions by 2050 would reduce by 28 million tons.

