

# GROUND SOURCE HEAT PUMPS



Creator

\* UNCOMMON

With a little electricity, ground source heat pumps transform ambient heat from the ground or other sources into warmth for the home. While they seem like magic, it's actually a very simple heat transfer process, just like your fridge, but in reverse!

## EMISSIONS



**POWERS:** No emissions in the process other than electricity used. Ambient ground temp. is more stable than the air, so can be even more efficient throughout the year.

**COMBO MOVES:** *Home Improvement + Heat Storage* - Forms a powerful trio with these two companion technologies.

**WEAKNESSES:** High upfront costs, and can need space in the garden or deep boreholes to be dug for individual home use. Better when using shared infrastructure to supply multiple homes, but this can be difficult to organise.

## Read More:

[How a ground source heat pump works - Video](#)

[Affordable Eco Housing; is this what we should be building? - Video](#)

[Energy Saving Trust: Heat Pumps](#)

[Regen: Rethinking heat: a utility based approach for ground source heat pumps](#)

