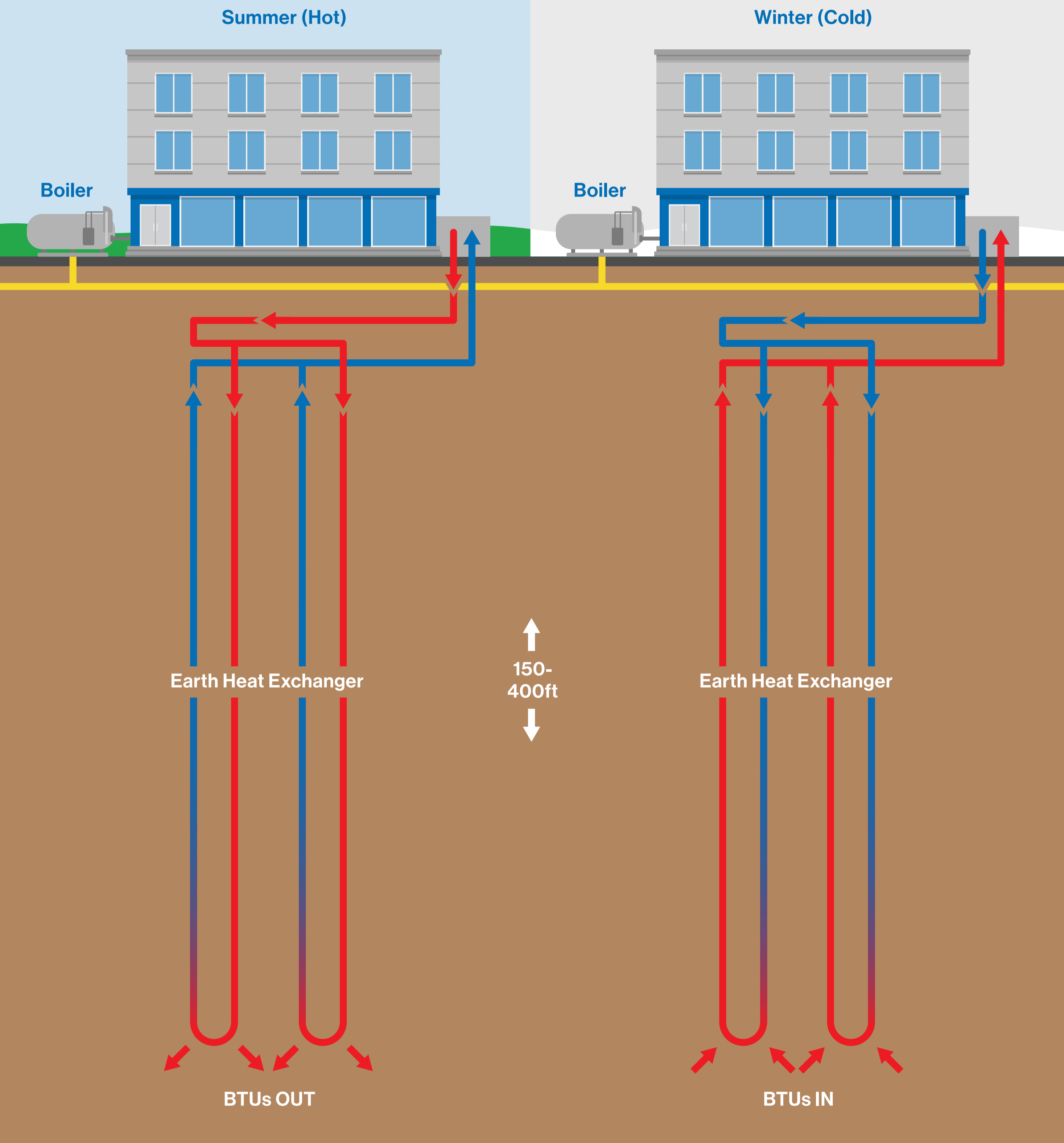


# Hybrid Ground Source Heat Pump System

A Hybrid Ground Source System uses a gas boiler as backup to a smaller-sized geothermal system. This allows reduction of capital costs, while maintaining low ongoing energy costs as well. The geothermal system provides the majority of heating and cooling energy, while the gas boiler provides heating energy on cold winter days.



## Pros & Cons

A hybrid system maintains the energy cost advantage of a traditional geothermal system with reduced capital cost due to the much smaller size borehole field.

System	Capital Cost	Energy Cost	Suite Noise	Floor Space Impacted	Submetering	Fuel Flexibility	Temperature Control
Hybrid Ground Source Heat Pump	Moderate	Low	Moderate	Central System	Inexpensive	High – dual fuel by design	Slow