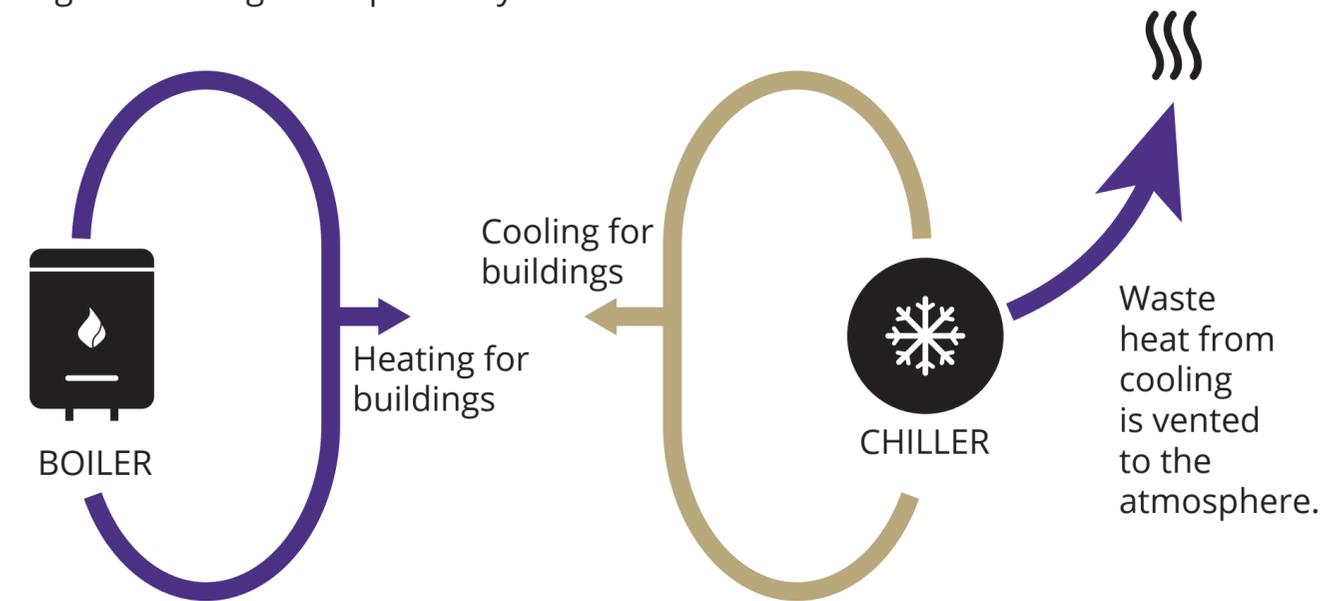


# ELECTRIFYING HEATING

## current state:

Heating and cooling are separate systems.

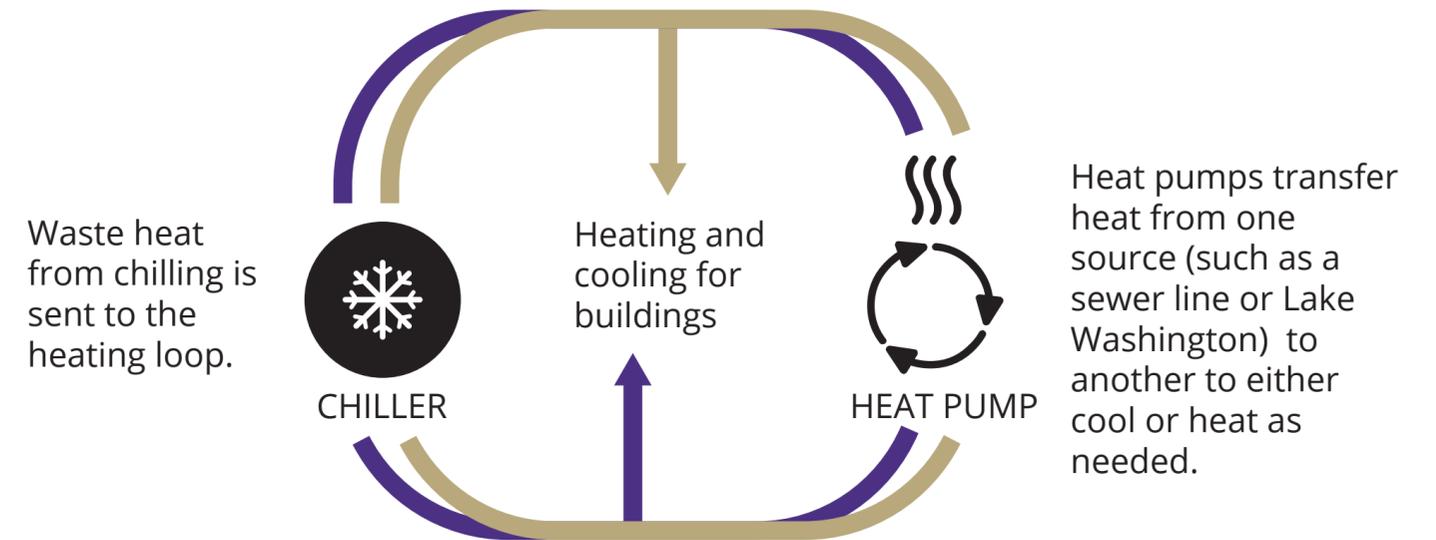


 Heat for tap water and indoor air comes from burning natural gas.  
**natural gas**

 Chilling for indoor air comes from consuming electricity.  
**electricity**

## future state:

Heating and cooling systems are tied together and heat is passed between them.



 Electricity runs chillers and heat pumps  
**electricity**

Heat pumps transfer heat from one source (such as a sewer line or Lake Washington) to another to either cool or heat as needed.