

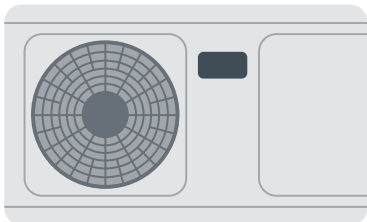
In 2050, it will be **55% cheaper** for a single family home in the EU to use renewable electricity in **heat pumps** vs. renewable electrolysis hydrogen in a **boiler**.

December, 2050

Single-family household
XXXXXX XXX
XXXXXX EU Member State

Annual Energy Cost: Heat Pump

Heat Pump Installation (Annuitized).....	€225
Maintenance.....	€12
Cost of Renewable Electricity..... (Wind and Solar Energy)	€342
Total	€579



December, 2050

Single-family household
XXXXXXX XXX
XXXXXX EU Member State

Annual Energy Cost: Hydrogen Boiler

Boiler Installation (Annuitized).....	€49
Maintenance.....	€98
Cost of Renewable Electrolysis..... Hydrogen (from Wind and Solar Energy)	€1124
Total	€1271

