In 2050, it will be **50% cheaper** for a single family home in Germany to use renewable electricity in heat pumps vs. renewable electrolysis hydrogen in a boiler.

December, 2050

Single-family household XXXXXX XXX XXXXX Germany

Annual Energy Cost: Heat Pump

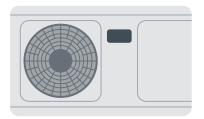
Heat Pump Installation (Annuitized)......€225

Maintenance......€12

Cost of Renewable Electricity.....€530

(Wind and Solar Energy)

Total €767



December, 2050

Single-family household XXXXXXX XXX XXXXX Germany

Annual Energy Cost: Hydrogen Boiler

Boiler Installation (Annuitized)......€49

Maintenance.....€98

Cost of Renewable Electrolysis.....€1267

Hydrogen (from Wind and Solar Energy)

Total€1415

