

Household heating technology

This lever determines the mix of technologies to provide the household space and water heating demand. In 2012, we estimate that 66% of space heating was provided by electric heat sources (resistance heaters and heat pumps), 15% from gas, and 19% from other sources. For water heating, 79% was electric, 20% gas, and 1% from others.

Level 1

At level 1 the space and water heating technology mix remains unchanged from today.

Level 2

Level 2 assumes that all new houses use heat pumps for space heating and electricity for water heating (50% of which is heat pumps).

Level 3

As per Level 2, plus half of all current non-electric heating is converted to heat pumps.

Level 4

Level 4 assumes that all non-electric heating is converted to heat pumps by 2050.

Interaction with other choices

Solar hot water is specified separately and used first in the model.

