

Commercial heating technology

This lever determines the mix of technologies to provide the commercial space and water heating demand. In 2012, we estimate that 53% of space heating was provided by electric heat sources (resistance heaters and heat pumps), 36% from gas heaters and boilers, and 11% from others. For water heating, 58% was electric, 32% gas, and the 10% from others.

Level 1

At level 1 the space and water heating technology mix is assumed to be unchanged from today.

Level 2

Level 2 assumes all new commercial buildings use electric space and water heating, primarily heat pumps.

Level 3

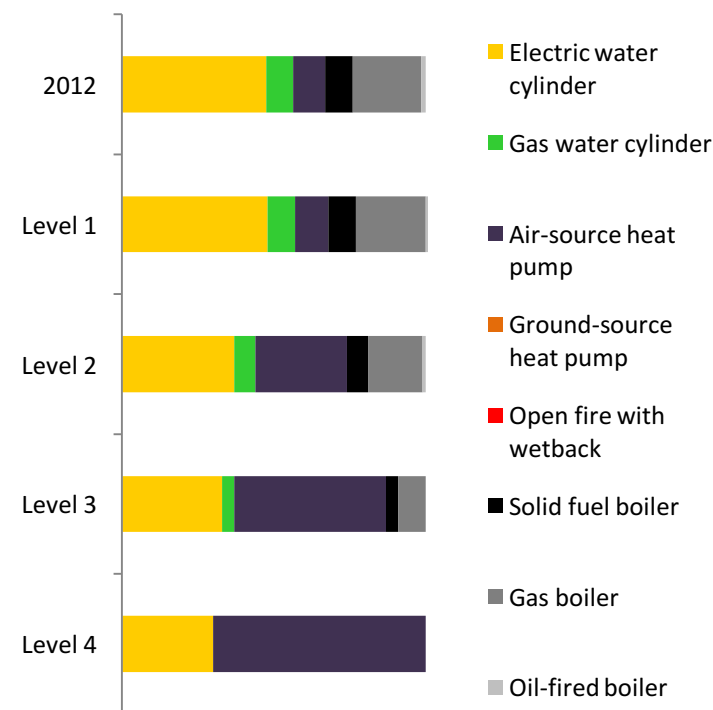
Level 3 assumes the same as Level 2, plus half of current non-electric heating is converted to heat pump.

Level 4

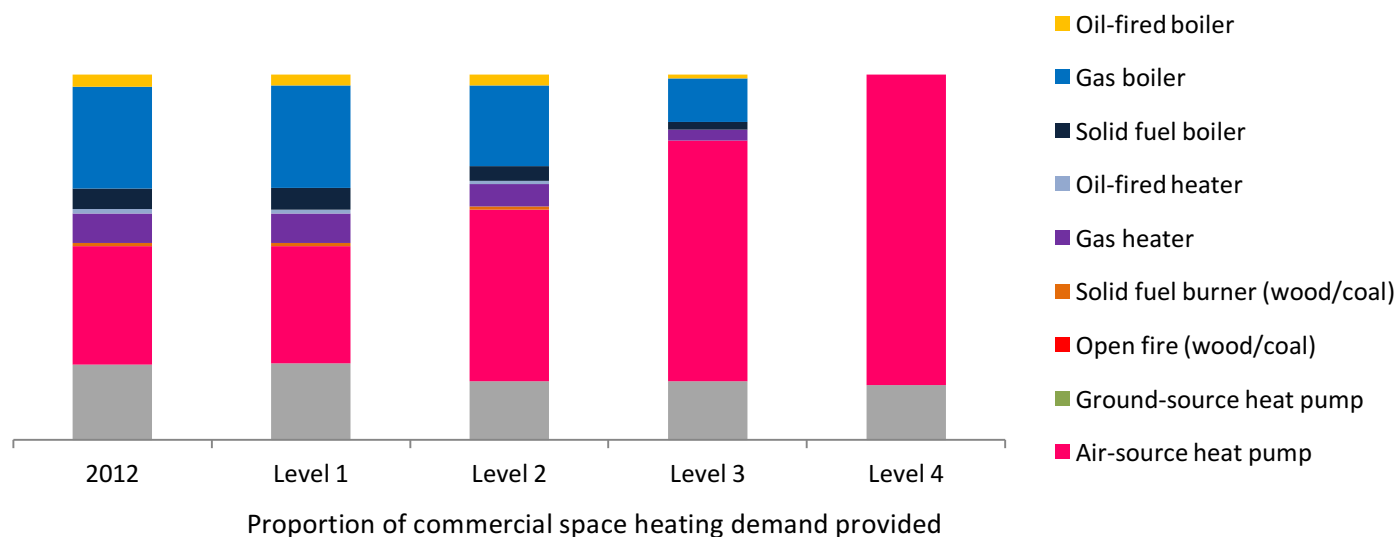
Level 4 assumes all non-electric heating is converted to heat pumps by 2050.

Interaction with other choices

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



Proportion of commercial water heating demand provided



Proportion of commercial space heating demand provided