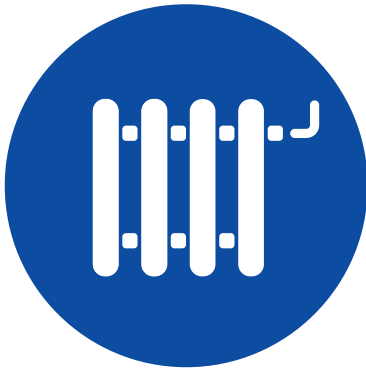


Natural gas in the heating market



Shaping the future.

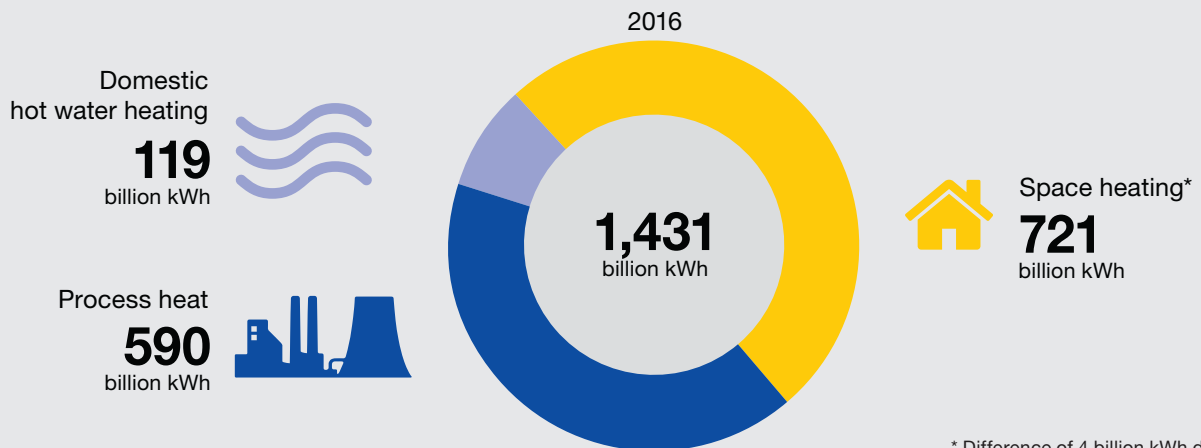


The heating market covers homes, industry and commerce, trade and services. In total, these sectors consumed 1,431 billion kWh of energy in 2016, around 60 percent of which was spent on providing room and domestic hot water heating.

The building sector therefore has the highest energy and CO₂ savings potential of all energy consumption sectors in Germany. The 2014 Climate Protection Plan envisages CO₂ reductions of 47 million tons for the building sector by 2030.

The most cost-effective way to achieve this goal is to use natural gas. Simply replacing the old heating technology with state-of-the-art, gas-fired condensing boilers would save 30 million tons of CO₂ emissions.

The heating market in detail - Final energy consumption according to the application areas and sectors



Source: BDEW / AG Energiebilanzen

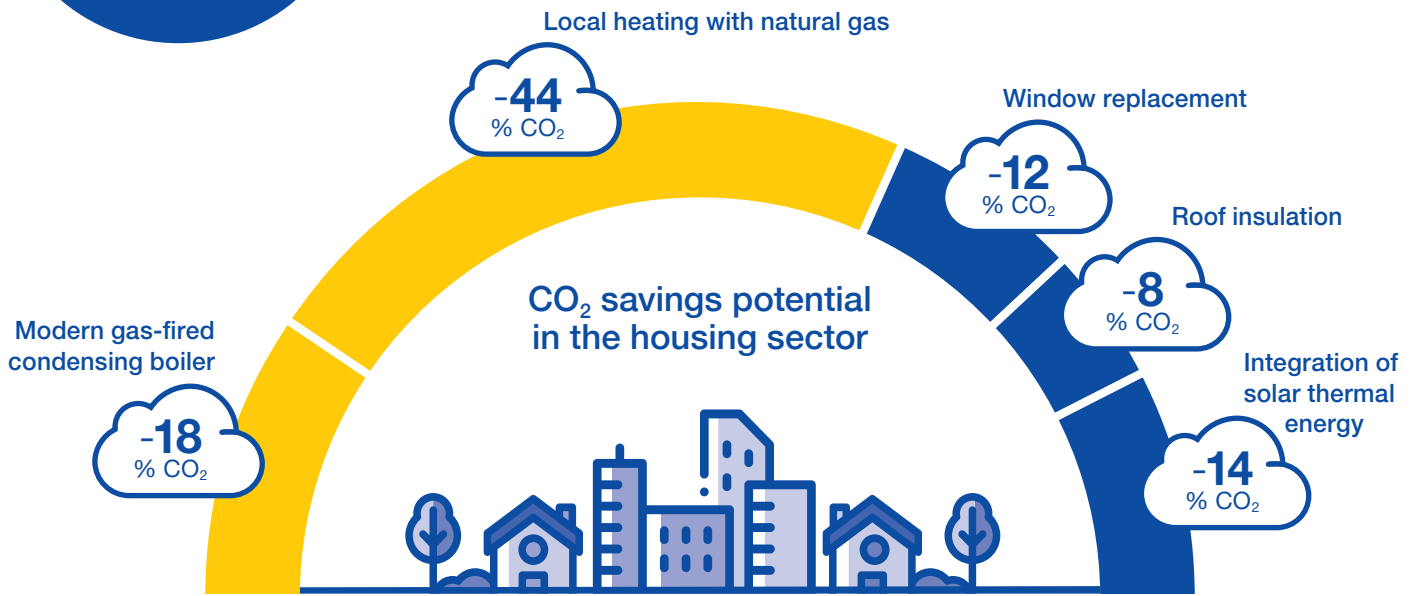
* Difference of 4 billion kWh due to non-designation of the transport sector; deviations in totals due to rounding up

“The heating market can be a role model for the other sectors. CO₂ emissions have already fallen sharply here. Among other things, by switching to natural gas. The Germans prefer to heat with natural gas”



Mario Mehren, CEO Wintershall

Practical example:
Housing



Source: Zukunft ERDGAS

“Quick wins” with gas heating

Gas is already irreplaceable in the heating market. Not only because it ensures low-CO₂ combustion, but also because it facilitates socially acceptable housing conditions with affordable improvements in the CO₂ balance and air quality.

Nevertheless, many existing heating systems in Germany are still based on outdated, inefficient technologies. Replacing all existing oil-fired boilers with new gas-fired condensing boilers would enable 18.35 million tons of CO₂ to be saved every year.

Technically mature, natural gas-based solution options are already available for modernizing the approximately 2.5 million boilers.

The systematic use of natural gas in existing housing can achieve the 80 percent CO₂ reduction targeted as a climate goal for the heating market by 2050 without system discontinuities. This example shows that natural gas enables quicker climate protection today - which means that the heating transition can become reality.

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