



## Facts & figures

# Saving gas in private households

### 1 Current situation

- Private households account for **just under 30 per cent** of the total energy consumption in Germany.<sup>1</sup>
- **More than 80 per cent** of our household energy consumption is used for heating. This means that the greatest potential for savings is in heating the home and heating water.<sup>1</sup>
- **41 million** households in Germany consume around **670 terawatt hours** of energy for heat and electricity every year.<sup>1</sup>
- Natural gas is the most important energy source for private households: **41 per cent** of their energy demand was covered by natural gas in 2019.<sup>2</sup>
- In new buildings, however, gas heating systems are being installed much less frequently these days. In the case of residential buildings completed in 2021, for example, gas was used as the primary energy source for heating in **34 per cent** of the cases - in 2019, it had accounted for just under 42 per cent.<sup>2</sup>
- In the first quarter of 2022, **13 per cent** of Germany's electricity demand was generated using natural gas - compared with around 16 per cent in the first quarter of 2021.<sup>2</sup>
- Gas provided almost **27 per cent** of the primary energy consumed in Germany in 2021.<sup>3</sup>
- In 2021, **55 per cent** of the total gas consumption in Germany came from Russian deliveries, with about **30 per cent** coming from Norway and other European countries, including domestic production, which accounted for **5.2 per cent**.<sup>4</sup>

### 2 Savings potential

- Lowering the room temperature by 1 degree Celsius can save **up to 6 per cent** in heating costs.<sup>5</sup>
- Hydraulic balancing of the heating system can achieve an efficiency gain of **up to 15 per cent**.<sup>6</sup>
- A water-saving shower head reduces energy consumption and costs by **up to 30 per cent**.<sup>5</sup>
- Regular bleeding of radiators can reduce annual heating costs by **up to 1.5 per cent**.<sup>1</sup>
- **Insulation against the summer heat** is provided by roller shutters, roller blinds, curtains and Venetian blinds. This will save you having to invest in air conditioning and will also save energy.<sup>1</sup>

1 [www.energiewechsel.de/KAENEf/Navigation/DE/Thema/energiespartipps.html](http://www.energiewechsel.de/KAENEf/Navigation/DE/Thema/energiespartipps.html)

2 [www.destatis.de/DE/Presse/Pressemitteilungen/2022/07/PD22\\_N044\\_43.html](http://www.destatis.de/DE/Presse/Pressemitteilungen/2022/07/PD22_N044_43.html)

3 [www.umweltbundesamt.de/daten/energie/primarenergieverbrauch#primarenergieverbrauch-nach-energetragern](http://www.umweltbundesamt.de/daten/energie/primarenergieverbrauch#primarenergieverbrauch-nach-energetragern)

4 [www.bdew.de/media/documents/Jahresbericht\\_2021\\_UPDATE\\_Juni\\_2022.pdf](http://www.bdew.de/media/documents/Jahresbericht_2021_UPDATE_Juni_2022.pdf)

5 [www.umweltbundesamt.de/presse/pressemitteilungen/sparsam-durch-die-energiekrise](http://www.umweltbundesamt.de/presse/pressemitteilungen/sparsam-durch-die-energiekrise)

6 [www.co2online.de/energie-sparen/heizenergie-sparen/heizkosten-sparen/richtig-heizen-die-10-besten-tipps/](http://www.co2online.de/energie-sparen/heizenergie-sparen/heizkosten-sparen/richtig-heizen-die-10-besten-tipps/)