

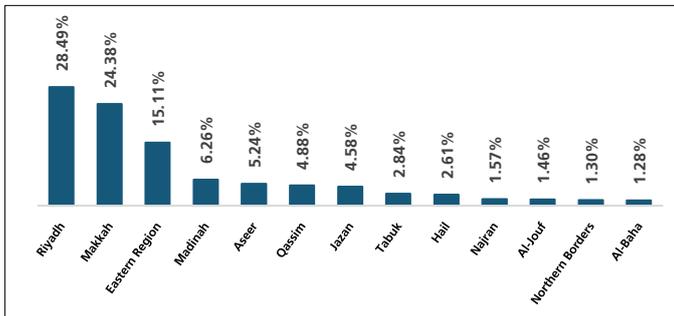
More households interested in rationalizing electricity consumption in 2022

The share of households, who expressed an interest in rationalizing electricity consumption increased from 66.1% in 2021 to 91.9% in 2022, increasing by 39%. The share of households applying energy rationalization of electrical appliances used in dwellings was 86%. However, the share of households willing to spend money to replace old appliances with modern ones with higher energy efficiency marginally decreased from 57.6% in 2021 to 56.4% in 2022, while the share of households interested in utilizing solar energy in dwellings amounted to 53.1%

Riyadh Region has the highest consumption of electrical energy in dwellings

Riyadh Region, being the most populated region, accounted for the highest share of household electricity consumption of 28.5%, followed by Makkah Region with 24.4%, whereas Al-Baha Region had the lowest electrical energy consumption share of 1.3% across Saudi Arabia regions (Figure 1).

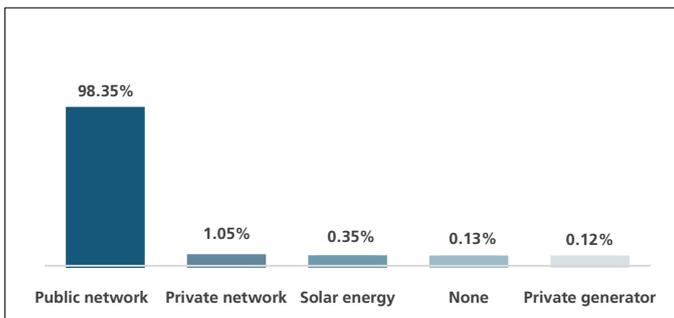
Figure 1. Share of electrical energy consumption in dwellings at the level of regions of Saudi Arabia in 2022



Relative distribution of electricity sources in dwellings

Total share of dwellings using various sources of electricity in Saudi Arabia was 99.9%, as 98.4% of dwellings are using public network, and 1.1% are using private network. The share of dwellings using solar energy as a source of electricity was 0.4%, while 0.1% are using private generators (Figure 2).

Figure 2. Share of electricity source used in dwellings across Saudi Arabia in 2022



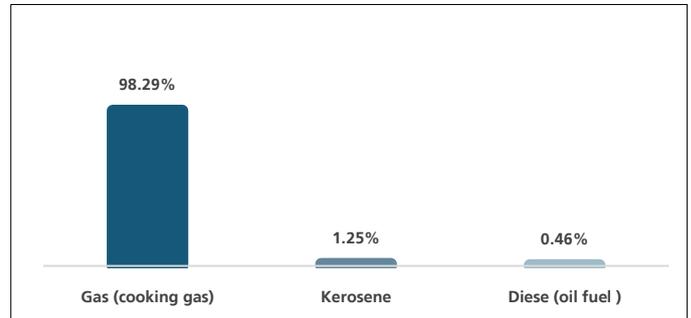
Private electricity meters are most common in Saudi Arabia

84.8% of dwellings use private electricity meters, while 15.2% use shared electricity meters. Northern Borders Region recorded the highest share in using private electricity meters 93.5%, while Jazan Region recorded the highest share in using shared electricity meters 30.0%.

Fuel gas accounts for the highest share of fuel consumption

Fuel gas accounted for the highest share of fuel consumption share in the dwellings' sector during 2022, which represents 98.3%, and the consumption of kerosene reached 1.3%, while the lowest share of fuel consumption was diesel, which was 0.5% (Figure 3).

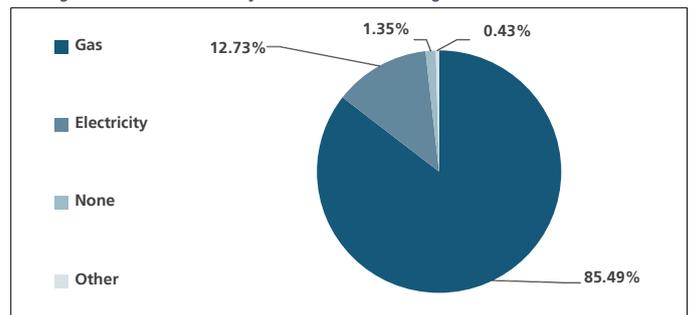
Figure 3. Share of fuel consumption in dwellings across Saudi Arabia 2022



Energy used for cooking in household sector

The share of households using energy for cooking in the dwellings' sector reached 98.7% in 2022, while 1.4% of households stated that they do not cook at the dwelling. The results showed that the share of households that use gas (cooking gas) is 85.5% of the energy used for cooking, while the share of households that use electricity for cooking is 12.7%. Share of households that use other types of energy for cooking is 0.4% (Figure 4).

Figure 4. Share of electricity source used in dwellings across Saudi Arabia in 2022



Household energy statistics indicators 2022	
Share of households interested in rationalizing consumption of electrical energy in dwelling	91.85
Share of households that apply energy rationalization instructions in using electrical appliances	86.01
Share of households wishing to use solar energy at dwelling	53.06
Share of dwellings that use private electricity meters in dwelling	84.80
Share of dwellings that use shared electricity meters with several dwellings	15.20
Share of households that use electricity for cooking	12.73
Share of households that use biomass products (firewood, charcoal, agricultural residues).	11.72

Source: Tables.

Reference metadata

Household energy statistics survey show data on the uses of electricity sources, uses of fuel in dwelling, consumption share of various forms of energy in dwelling, as well as identifying rationalization methods, households' desire to use solar energy in dwelling, and uses of biomass in dwelling in Saudi Arabia.

[For more details, please view reference metadata.](#)