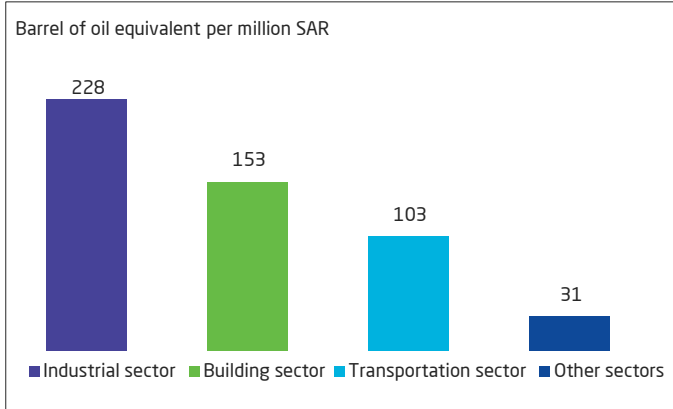


Energy consumption intensity increases by 2.3% in 2023

The total energy consumption intensity increased by 2.3% in 2023 compared to 2022, reaching 514 barrels of oil equivalent (BoE) per million SAR. This varies across different sectors (buildings, transportation, industry, and other sectors). The energy consumption intensity in the industrial sector reached 228 BoE per million SAR, marking a 1.22% decrease compared to 2022. Meanwhile, the energy consumption intensity in the buildings sector reached 153 BoE per million SAR, reflecting a 5.98% increase from 2022. Additionally, the energy consumption intensity in the transportation sector rose to 103 BoE per million SAR, representing a 4.07% increase compared to 2022 (Figure1).

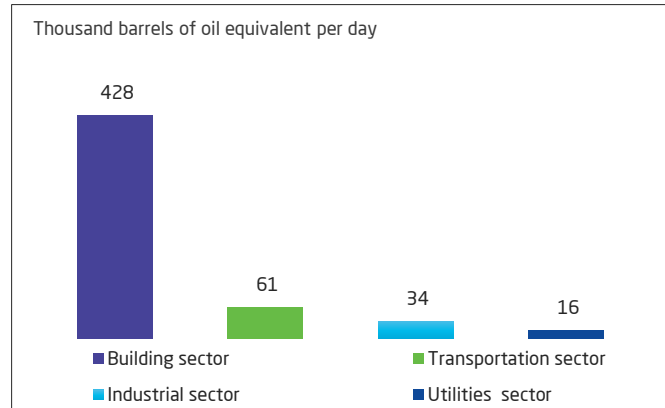
Figure1. Energy consumption intensity by sector 2023



Primary energy savings from energy efficiency initiatives

The total primary energy savings from energy efficiency initiatives increased by 9.50% in 2023 compared to 2022, reaching 539 thousand BoE per day. The savings in the buildings sector amounted to 428 thousand BoE per day, reflecting an increase of 8.59%. In the transportation sector, the savings reached 61 thousand BoE per day, marking a 13.78% increase. However, savings in the industrial sector decreased to 34 thousand BoE per day, showing a decline of 23.55% (Figure2).

Figure2. Primary energy savings from energy efficiency initiatives 2023



*The buildings sector includes the residential, governmental, and commercial sectors.

*The utilities sector includes activities related to electricity generation, cogeneration, water desalination, as well as electricity transmission and distribution networks

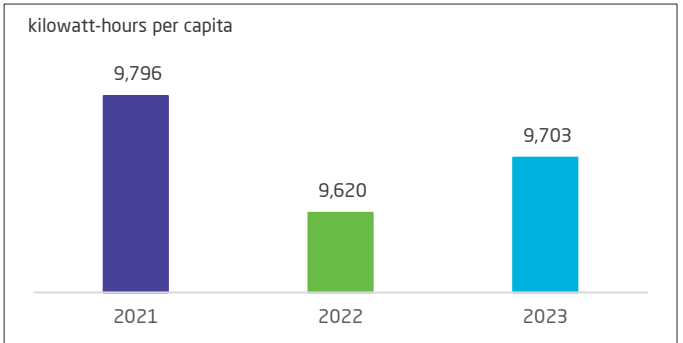
Electricity consumption in "Buildings" category

Electricity consumption in the "Buildings" category (residential, government, and commercial) increased by 7.20% in 2023, reaching 22.81 megawatt-hours per subscriber compared to 2022.

Per capita electricity consumption

The per capita consumption of total electricity increased in 2023, reaching 9,703 kilowatt-hours per capita, reflecting a growth rate of 0.86% compared to 2022 (Figure3).

Figur3. Per capita electricity consumption



Key Indicators of Energy Efficiency Statistics

Indicators	Unit	2022	2023
Total energy consumption intensity	Barrel of oil equivalent per million SAR	503	514
Primary energy savings from energy efficiency initiatives	Thousand barrels of oil equivalent per day	492	539
Electricity consumption in "Buildings" category	Megawatt-hour per subscriber	21.28	22.81
Electricity consumption in "Residential" category		16.24	17.19
Electricity consumption in "Commercial" category		29.50	35.04
Electricity consumption in "Government" category		127.80	126.20
Per capita share of total electricity consumption	kilowatt-hours per capita	9,620	9,703

Source: Tables.

Methodology and quality

The Energy Efficiency Statistics Publication covers energy data at the national level in Saudi Arabia, following the Standard International Energy Classification (SIEC). The primary sources for this publication are the administrative records of the General Authority for Statistics and the Ministry of Energy. The data is available as a time series for the period 2020-2023, with an annual publication frequency.

For more details, refer to the Methodology and Quality Report