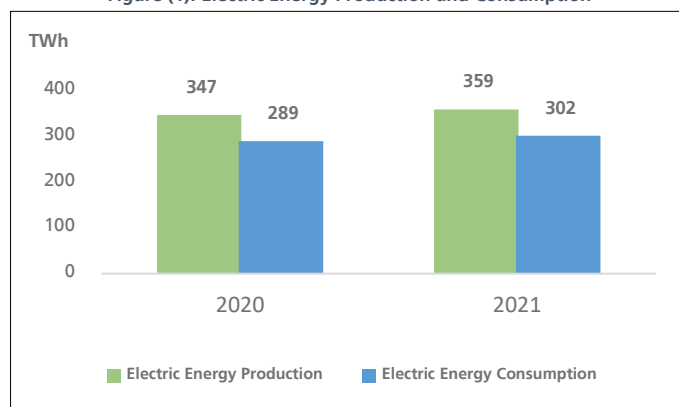


Electric Energy Consumption increased by 4.23% in 2021

Electric energy consumption increased by 4.23% to reach 302 TWh. Electric energy production, in turn, increased by 3.35% reaching 359 TWh compared to 2020 (Figure 1).

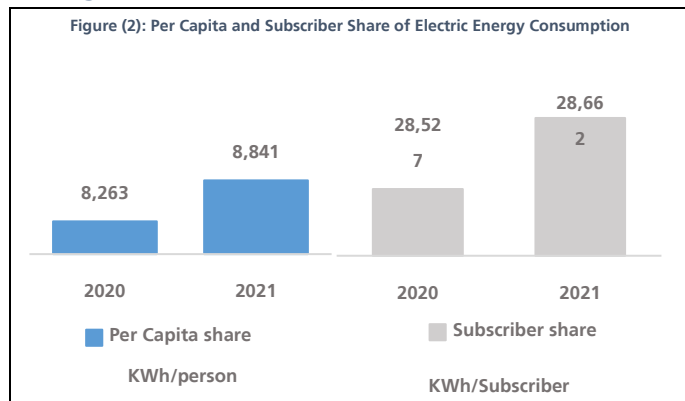
Figure (1): Electric Energy Production and Consumption



Per Capita and Subscriber Share of Electric Energy Consumption

In 2021, per capita share of electric energy consumption recorded an increase by 6.98% reaching 8,841 kWh/person. In addition, the subscriber share recorded a slight increase by 0.47% in 2021 reaching 28,662 kWh/subscriber (Figure 2).

Figure (2): Per Capita and Subscriber Share of Electric Energy Consumption



Available Capacity and Peak Load

The available electric capacity amounted to 83,036 Megawatts in 2021 with an increase by 4.23%, compared to 2020.

The peak load also increased by 3.04% reaching 64,161 Megawatts in 2021 (Table 1).

Electric Energy Consumed by Sector

Residential sector in 2021 accounted for 47.25% of the total electric energy consumption, followed by industrial sector at 19.47%, commercial sector at 15.09%, government sector at 12.64%, agricultural sector at 1.88%, and other sectors at 3.67%.

Electric Energy Consumed by Business Regions

The western region accounted for the highest electric energy consumption for the year 2021 with an amount of 93.92 TWh, representing 31.14% of the total consumption in Saudi Arabia. It is followed by the central region with 91.47 TWh, representing 30.33%, then the eastern region with 83.28 TWh, representing 27.62%. The lowest consumption was recorded in the southern region with 32.89 TWh, representing 10.91% (Figure 3).

Figure (3): Electric Energy Consumed by Business Regions

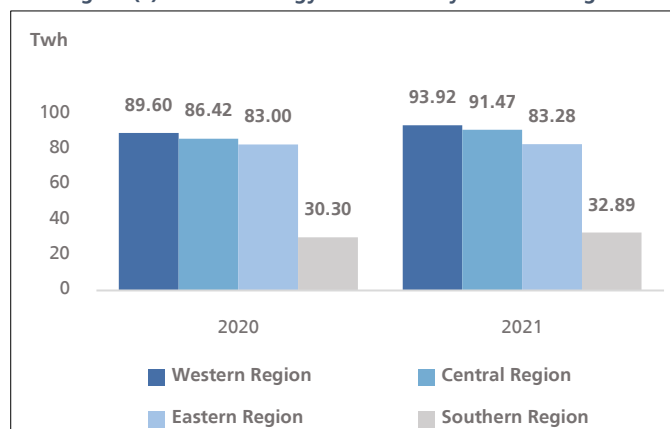


Table (1): Main indicators of Electric Energy Statistics

Indicators	Unit	2020	2021
Total available power generating capacity	Megawatts	79,667	83,036
Total peak load	Megawatts	62,266	64,161
Total electric energy production	TWh	347	359
Total electric energy consumption	TWh	289	302
Per capita share of electric energy consumption	KWh/person	8,263	8,841
Subscriber share of electric energy consumption	KWh/Subscriber	28,527	28,662

Source: [Tables](#).

Electric Energy Statistics methodology

Electric energy statistics publication depends on the administrative records data from the Ministry of Energy. Primary source is the administrative records of the data-owning government entities, the data are available in a time series for the period (2010-2021). Accordingly, the electric energy statistics publication cycle is issued annually. [Methodology](#).