

The total exportation of electricity decreased from 9.6 million kilowatts in 2022 down to 9.1 million kilowatts in 2023 . Rwanda's electricity consumption has continuously grown, reaching approximately 211.1 million kilowatt by 2023 up from 178.9 million in 2023 kilowatt for domestic and residential facilities.

TABLE: Electricity Exportation and importation (Kwh)

| | 2019 | 2020 | 2021 | 2022 | 2023 |
|-------------------|---------------|----------------|----------------|---------------|-------------|
| Total exportation | 4,367,311.2 | 4,468,775.40 | 9,665,299.80 | 9,128,671.20 | |
| Cyanika - Gisoro | 4,317,311.2 | 4,452,775.40 | 5,651,818 | 6,769,877 | 7,576,498.9 |
| Mururu II | 50,000.0 | 16,000.00 | 32,000 | 106,000 | 240,000.0 |
| Goma | | | 2,014,603 | | |
| Kamanyora | 1,041,345.575 | 1,452,809.059 | 1,966,879 | 2,252,794 | 2,834,740.0 |
| Total importation | 96,212,066.1 | 104,753,176.66 | 107,089,762.82 | 97,273,816.98 | 2,379 |

In the first quarter of 2024, a total of 342.073 GWh of electricity was generated in Rwanda.

Domestic power plants contributed 81.6% of the total electricity generation, the Regional Shared plants contributed 11.9% of the total electricity generation, while 6.5% of the total electricity generation was imported.

Compared to the similar quarter in 2023, the total electricity generated in the first quarter of 2024 had increased by 13.3%, reflecting the growth of the energy sector in Rwanda.

Data sources

[Rwanda Statistical Yearbook - 2024](#)

[EICV5 THEMATIC REPORT - Utilities and Amenities](#)

EICV 4 THEMATIC REPORT - Utilities and amenities

EICV 3 THEMATIC REPORT - Utilities and amenities

ENERGY STATISTICS, 2017

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