Kisumu County is Kenya’s 14th-largest county by population. It is located in the western part of Kenya, and borders Lake Victoria.

Kisumu benefits from Kenya’s largely renewables-based electricity supply.

However, access to electricity remains a challenge. Most of the population still relies heavily on traditional biomass (particularly for cooking).

Expanding energy access has been a primary motivation for Kisumu to shift towards and expand its use of renewable energy sources.

Kisumu County is a deep-dive region of the 100% Renewables Cities and Regions Roadmap project, and is a signatory of the 100% Renewables Cities and Regions Energy Compact and Network.

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**TOTAL ELECTRICITY CONSUMPTION**

250.3 GWh

**POPULATION**

1,155,574

**TOTAL ELECTRICITY CONSUMPTION BY SECTOR (GWh)**

- Sugar industry: 86.2 (34%)
- Private (top 100 consumers): 48.4 (19%)
- SMEs: 42.5 (17%)
- Other: 9.5 (4%)
- Households: 8.3 (3%)
- Public (top 100 consumers): 8.3 (3%)
- Street lighting: 6.2 (2.5%)

**SUGAR INDUSTRY OWN-GENERATION**

86.2 GWh

**GEOTHERMAL ELECTRICITY SHARE**

41%