

# KISUMU COUNTY

## KENYA

**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.

Source: Kisumu Initial Status Report; Kenya 2019 Census

2020–  
2023



100%  
RENEWABLES  
CITIES & REGIONS  
ROADMAP

Supported by:



on the basis of a decision  
by the German Bundestag



Credit: Evans Dims, Unsplash

### TOTAL ELECTRICITY CONSUMPTION

250.3  
GWh

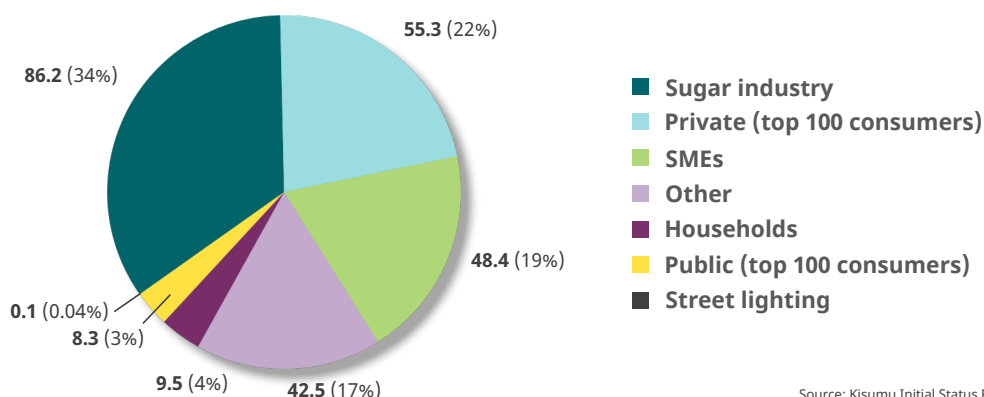
Year: 2019  
Source: CDP-ICLEI Track, 2022

### POPULATION

1,155,574

Year: 2019  
Source: CDP-ICLEI Track, 2022

### TOTAL ELECTRICITY CONSUMPTION BY SECTOR (GWh)



### RENEWABLE ELECTRICITY SHARE

90%

Year: 2021  
Source: Kenya, International Energy Agency



### LAND AREA

2009.5 km<sup>2</sup>



### SUGAR INDUSTRY OWN-GENERATION

86.2 GWh



### GEOTHERMAL ELECTRICITY SHARE

41%

Year: 2018 (Sugar industry); 2021 (Electricity; Kenya)  
Source: Kenya Energy and Petroleum Statistics, 2023; Kisumu County Initial Status Report; International Energy Agency

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