

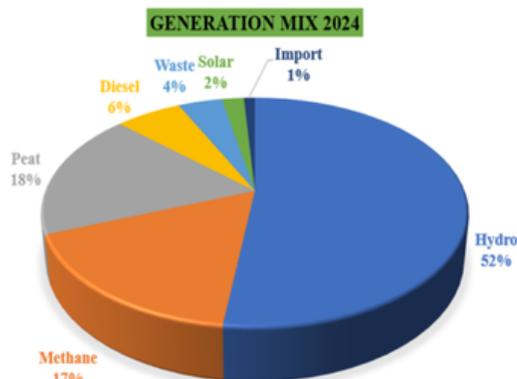
# Rwanda Energy status

## ENERGY PRIVATE DEVELOPERS ASSOCIATION

**E**nergy Sector in Rwanda is undergoing rapid development with focus on increasing access.

As of February 2025, approximately 82.2% of Rwandan households have access to electricity targeting 100%, with 57.4 % connected to the national grid and 24.8 % using off-grid systems, mainly solar. Rwanda's total installed capacity is 406.4 MW targeting 556 MW, with a mix of thermal, hydro and solar sources.

### Rwanda Energy mix



### Hydro Power

Hydro power capacity has contributed over 50% to the energy generation mix, out of 406.4 MW statistics shows that hydro contributed over 203 MW, here with mini grid hydro plant connected

### Solar Power

The solar subsector mostly played by Energy developers contributed to the access to energy in off-grid areas by providing SHS solutions by 24.8% of total access, and the existing resources like ASCENT promises big contribution of distributing 50,000 SHS for 17.8% remained.



### Mini grid and C&I

The energy generation capacity for private extended to 100 MW with no licence to install and generate. Energy developers expected to perform beyond lighting.

### Productive Use of RE

Rwanda is actively leveraging renewable energy for productive uses (PUE), focusing on solutions that boost economic growth and improve livelihoods, particularly in agriculture and small businesses.

### E-mobility

Total EVs and HEVs Imported (2020-2024): Over 7,000 vehicles, comprising 512 fully electric cars and 6,660 hybrid vehicles. 20% of bus to be Electric by 2030

### Clean Cooking

as of 2025, biomass remained dominant. The is different mechanisms including CC-RBF which expects to trigger at least 500,000 HHs gain access to clean cooking technologies and The RBF will benefit 2.15 million people, ASCENT to provide 80,000 ICS by 2025

### Methane Gas

Methane gas is contributed over 20% of total energy mix 2024 with over 56 MW by SPLK, and other plant have significant contribution.

