

Uganda Wind Power Supporting Energy Storage Standards

Does Uganda have a wind resource?

Pallabazzer and Sebbit (1998), the only empirical study on wind resources in Uganda, provides an output on wind energy potential and a territorial wind map for Uganda. However, the study was exclusively based on wind data from only 11 sites.

Why should Uganda invest in wind energy?

Apart from being an environmentally friendly and renewable energy resource, development of wind energy could boost economic growth and create jobs. For Uganda, rising energy demand, need to reduce greenhouse gas emissions, and increasing electricity access to rural areas, emerge as rational opportunities to invest in wind energy.

What are the obstacles to wind energy development in Uganda?

Our assessment reveals that obstacles to wind energy development in Uganda relate to; insufficient wind resource data, inadequate skilled workforce, high initial investment cost, inadequate research and development, weak infrastructure, and unsupportive policies. On this basis, our recommendations are;

Does Uganda need a wind energy data center?

A primary requirement, in this regard, is wind data availability, which, for Uganda, is deficient, discontinuous, and or is mainly for weather prediction purposes. Per our analysis, the initial step for Uganda is the development of a wind energy data center to collect and analyze wind data parameters across the country.

Why is universal energy access important for Uganda?

The Report recognizes that for Uganda, achieving universal energy access is as important as achieving a 100% renewable energy production target. It also recognizes that to be sustainable, the renewable energy solutions presented must address poverty and other social needs as outlined in Agenda 2030 /Sustainable Development Goals.

What should be included in Uganda's draft National Energy Policy?

For Uganda, the Draft National Energy Policy 2019 should articulate wind energy-specific roadmaps, support, incentives, and market safety nets for potential investors in the wind energy sub-sector.



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