

What is Uganda's Energy Transition Plan (ETP)?

Energy systems must modernise and expand rapidly to meet these ambitions, prompting Uganda's decision to develop the Energy Transition Plan (ETP). The objectives of the plan, stated by Uganda's Ministry of Energy and Mineral Development (MEMD), are: Provide universal access to electricity and cleaner cooking by 2030.

What is Uganda's energy plan?

The objectives of the plan, stated by Uganda's Ministry of Energy and Mineral Development (MEMD), are: Provide universal access to electricity and cleaner cooking by 2030. Modernise and diversify Uganda's energy mix and promote its efficient use across all sectors to support industrial growth, poverty reduction and socio-economic transformation.

Can Uganda reach net zero emissions by 2065?

To reach net zero emissions by 2065, Uganda would need to invest USD 8 billion annually in clean energy by the end of the decade. Almost 90% of this financing should be directed towards projects focused on improving energy access and expanding clean energy capacity.

How will Uganda's energy system grow in 2040?

The power sector becomes the backbone of Uganda's energy systems, with all growth met by low-emissions sources. Electricity rises to become the single largest source of energy consumed by 2040, growing to reach 56% of total final consumption by 2050.

Can Uganda achieve universal energy access by 2030?

According to the analysis, achieving universal energy access in Uganda by 2030 is a steep but not unprecedented challenge. Hydro and geothermal resources currently meet more than one-quarter of Uganda's generation, and they will be supplemented by nuclear power. Plans are underway to bring the first nuclear power facility in the country online in the early 2030s.

Can a mineral deposit strengthen Uganda's energy transition?

Deposits of critical minerals, if harnessed sustainably, could strengthen Uganda's own energy transition and contribute to economic growth. According to the analysis, strong partnerships will be key to seeing through Uganda's Energy Transition Plan.

Uganda's Energy Transition Plan (ETP) is a strategic roadmap for the development and modernisation of Uganda's energy sector. It charts an ambitious, yet feasible pathway to achieve universal access to modern energy and power the country's economic transformation in a sustainable and secure way. The plan was developed by Uganda's ...

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Uganda: Energy intensity: how much energy does it use per unit of GDP? Click to open interactive version. Energy is a large contributor to CO<sub>2</sub> - the burning of fossil fuels accounts for around three-quarters of global greenhouse gas emissions. So, reducing energy consumption can inevitably help to reduce emissions.

Uganda, which has faced criticism for seeking to use its oil stock amid a campaign for greener energy, says clean energy and oil production are key ingredients of its energy transition and security. It made the pitch in Baku, Azerbaijan where the UN Climate Change Conference (UNFCCC) (COP 29) kicked off this week.

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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. The main ...

COP27: The Ministry of Energy and mineral development of Uganda to collaborate with HDF Energy to pilot a first green hydrogen power plant 2022/11/16 08:30 AM. JOINT PRESS STATEMENT. Sharm El-Sheikh, November 16, 2022.

The third phase of this project aims to not only bridge the gaps where there are still vast expanses of rural areas in Uganda that do not have a connection to the electrical grid but also to bring renewable, green energy for an equitable future. The Uganda National Renewable Energy and Energy Efficiency Alliance (UNREEEA) has also promoted ...

The energy resource potential of the country includes an estimated 2,000 MW of hydro power, 450 MW of geothermal, 1,650 MW of biomass cogeneration, 460 million tons of biomass standing stock with a sustainable annual yield of 50 million tons, an average of 5.1 kWh/m<sup>2</sup> of solar energy, and about 250 Million tons of peat (800 MW).The overall ...

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for renewable energy stronger than ever before (IRENA, 2017). Uganda's Policy direction is poised for a Renewable Energy Future. The Sustainable Energy for All (SE4All) goals for Uganda 2030 are: more than 98% of population with electricity access, more than 99% of population with access to modern cooking solutions, a yearly improvement in energy

Expanding Uganda's energy mix with renewables such as solar and wind alongside energy storage will boost energy resilience. Regional cooperation through the East African Power Pool, established in 2005, could improve energy security by coordinating cross-border power trade and grid connections. The shift toward renewables presents political ...

The National Energy Policy for Uganda 2023 focuses on expanding the electricity transmission and distribution grid networks; increasing energy efficiency; promoting the use of alternative sources of energy; and strengthening the policy, legal and institutional framework. Uganda has developed a number of subsectoral policies, including the 2008 ...

This is in line with the Uganda Vision 2040, the National Development Plan III, the Uganda Green Growth Development Strategy (2017), the Uganda Integrated Sustainable Development Goals (iSDG) model, and United Nations Framework Convention on Climate Change (UNFCCC) which Uganda signed in April 2016 and ratified in September 2016. HON.

The Green Recovery Action Plan provides solutions to the combined challenges of the country's COVID-19 recovery and climate change, by focusing on critical areas of joint priority, including climate finance, renewable energy, resilient agriculture, resilient cities, land use and biodiversity. "There's a need to accelerate investment in the green economy and GGGI is ...

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