

Zambia's Power and Energy Internet Platform



Overview

The PDU closely monitors delivery, ensuring that each investment results in real connections and reliability improvements.

Key Takeaways

Zambia's official power and energy information is accessible through the Ministry of Energy and ZESCO Limited websites, offering comprehensive data on electricity, renewables, petroleum, and cross-border power trading. Key Online Platforms



1. Ministry of Energy (MoE) Website The Ministry of Energy provides detailed information on Zambia's energy resources, including electricity (primarily hydropower), petroleum, coal, biomass, and renewable energy. The site covers the three main sub-sectors: Electricity, Renewable Energy, and Petroleum. Users can access data on national installed generation capacity, which reached 3,871.32 MW in 2024, with hydroelectric plants contributing 82% of the energy mix. The platform also details licensed power traders involved in import and export within the Southern African Power Pool (SAPP) region . Website: <https://>

2. ZESCO Limited ZESCO is Zambia's national power utility and operates as a vertically integrated company covering generation, transmission, distribution, and supply. Its website provides information on hydropower stations with a combined capacity exceeding 2,900 MW, transmission assets, and customer services spanning over 56,000 km. The platform also highlights renewable integration, efficiency initiatives, and market reforms allowing Independent Power Producers (IPPs) to participate in the grid . Website: <https://>

3. Africa Energy Live Data Platform Africa Energy provides a detailed map of Zambia's power sector infrastructure, including operating, under-construction, and planned generation facilities across multiple energy types (hydro, solar, coal, wind, biomass, and more). The platform also shows transmission and distribution lines (66kV–400kV) and cross-border interconnectors with DR Congo, Namibia, Malawi, Mozambique, Tanzania, and Zimbabwe. This platform is useful for project-level data and regional energy planning . Website: <https://>

Additional Resources

- Trade and Market Insights: The U.S. Department of Commerce provides an overview of Zambia's energy market, including sector reforms, IPP participation, and electrification programs, which can be accessed online for investment and policy research .
- Telecommunications and ICT Integration: Zambia's ICT sector, including the Smart Zambia Institute, supports digital access to energy data and services, enhancing transparency and public engagement .

Summary

Zambia's power and energy internet platforms provide comprehensive, real-time, and project-level information on electricity generation, renewable energy, petroleum, and cross-border power trading. The Ministry of Energy and ZESCO websites serve as primary official sources, while Africa Energy offers detailed infrastructure mapping and data analytics. These platforms are essential for policymakers, investors, researchers, and the public seeking insights into Zambia's evolving energy sector.

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The Ministry of Energy congratulates President Hakainde Hichilema on his re-election as President of the Republic of Zambia. The

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An inset shows in greater detail the area to the south of Lusaka, including the northern part of Lake Kariba and the

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Energy system of Zambia Coal production is set to increase in Zambia, but exports remain limited to trade with neighbouring

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ZAMBIA'S INTEGRATED RESOURCE PLAN LAUNCH

Approved by the Cabinet in November 2023, the Ministry Energy's Integrated Resource Plan (IRP) for the electricity sector is officially

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Onshore wind: Potential wind power density (W/m²) is shown in the seven classes used by NREL, measured at a height of 100m.

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Madam Speaker, electricity remains a major source of energy in our country. The Electricity Supply Industry (ESI) in Zambia

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ELECTRICITY OPEN ACCESS LAUNCHED - Ministry of Energy

Minister of Energy, Hon. Makozo Chikote launched the Electricity Open Access Online application Platform. The

Over One Million Zambians to be Connected to Electricity by 2030

The World Bank Board of Executive Directors has approved a \$200 million International Development Association

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The World Bank is supporting Zambia's electricity access initiatives, including the development of mini-grids, through

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Revised in September 2021, this map provides a detailed overview of the power sector in Zambia. The locations of power generation

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