

Libreville electricity market trends

This analysis includes a comprehensive Gabon energy market report and updated datasets. It is derived from the most recent key economic indicators, supply and demand factors, oil and gas pricing trends and major energy issues and developments surrounding the energy industry.

At least 12 drinking water and electricity projects will be completed in Greater Libreville and other cities in Gabon before the end of the second half of 2020. Sociéte d'énergie et d'eau du Gabon (Seeg) will finance these projects to the tune of approximately 10.4 billion CFA francs, or more than 15.8 million euros.

Thanks to a new non-stationary analytical framework, we estimate the factors that explain the day-to-day and long-term variability of the per-capita electricity consumption in twelve cities of West and Central Africa, especially its sensitivity to weather.

Compared to other countries in the region, Gabon has a good electrification rate with approximately 90.7% of the total population has access to electricity, leaving about 200,000 citizens lacking it with one IPP operational.

As mining and logging spread across Gabon's M'baï watershed, they threaten the river that nourishes the capital city, Libreville, and also drives the city's turbines. USAID and the Global Environment Facility are helping the government of Gabon and the Wildlife Conservation Society entice electricity users into paying to maintain the ...

Gabon is the fourth largest oil producer in Sub-Saharan Africa. Oil represented 27% of the GDP and 90% of total export earnings in 2022. The share of oil revenues in the budget has increased since 2020 from 35% to 50% in 2022.

Perenco dominates natural gas production (average gross production of 50 mcf/d or 0.5 bcm/year) through 5 fields: Ganga, Ozangue, M'Bya, Breme, and Batanga. It supplies the Owendo (Libreville port) and Port-Gentil power stations through a 450 km pipeline.

Gabon is well endowed with energy resources. Proven gas reserves reach 26 bcm (end of 2022) and oil reserves 2 000 mbl. A large share of the reserves is in deep offshore waters. The hydroelectric potential is amongst the highest of the African continent and is estimated at about 5-6 GW. About 85% of the country is covered by forests (23.5 Mha), a little less than 2/3 of which are exploited.

Electricity prices for households rose again in 2023 to 20.4US\$/kWh, following an 11% decrease in 2022 to US\$19.7/kWh, after remaining roughly stable over 2017-2020 (around US\$20/kWh). Prices are about two

times higher than in Cameroon.

In 2022, Angola, Cameroon, Chad, Congo, Congo DR, Equatorial Guinea, and Gabon signed an MoU, which paves the way for feasibility studies to build three gas pipelines measuring about 6,500 km by 2030, as well as storage depots, LNG terminals, at least three refineries, and gas-fired power plants.

The Gabon energy market data since 1990 and up to 2022 is included in the Excel file accompanying the Gabon country report. It showcases the historical evolution, allowing users to easily work with the data.

A 250MW deal between Karpowership and the authorities in Libreville comes as the Turkish floating power plant provider continues to attract interest from other African countries in need of quickly deployable on-grid baseload capacity additions, including Liberia, Guinea and Equatorial Guinea, writes Marc Howard.

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