

Cote d'Ivoire

Introduction

This note was developed by Global Off-Grid Lighting Association (GOGLA) with the support of the World Bank Group Lighting Global Program, the Energy Sector Management Assistance Program (ESMAP), the Shell Foundation, USAID, Power Africa, the UK Department for International Development (DFID) and Sustainable Energy for All (SEforAll). It is part of a series of briefing notes that provide a high-level overview of the status of different countries' off-grid solar markets, as well as relevant policies and programs¹.

Key statistics^{2&3}

Demographics

Total Population	25,069,229
Population Density per km ²	79
GDP per Capita	USD 1,715.5
GDP Growth	7.4%

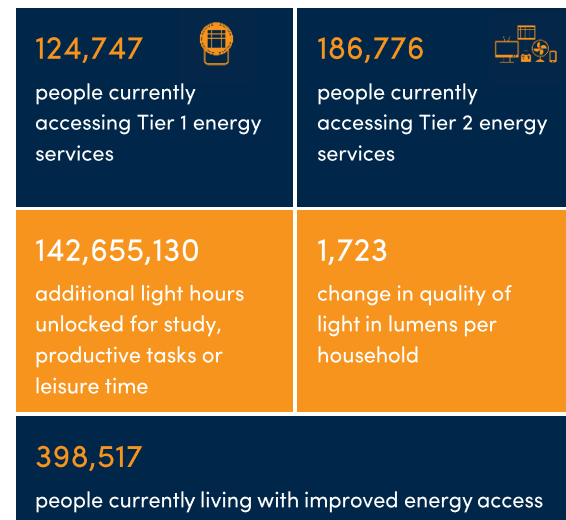
Energy Access Deficit

National Electrification Rate	65.6%
Urban Electrification Rate	94.3%
Rural Electrification Rate	36.6%
Number of households without power	1.8 million
% of quality-verified ⁴ (QV) vs non-QV products in the market ^{5&6} (H1, 2019)	QV: 53% Non-QV: 47%

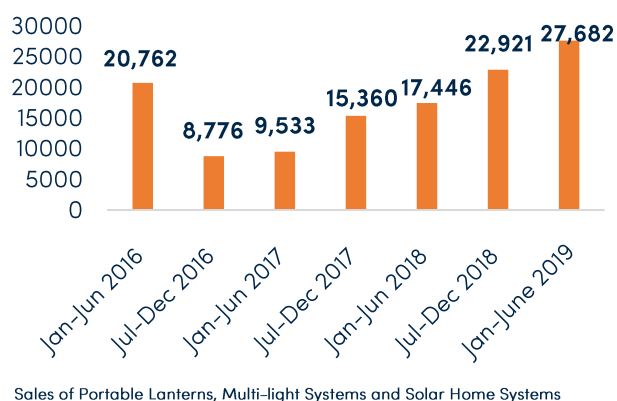
Electrification Planning

Electrification Targets ⁷	Universal access by 2030
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Impact⁸



Sales⁹



¹ The information and views expressed in this brief are GOGLA's alone and are based on our current understanding of the policy situation in this country. We welcome any updates, revisions or clarifications at info@gogla.org.

² <https://data.worldbank.org/>

³ <https://www.usaid.gov/powerafrica>

⁴ Quality-verified products are tested according to the Lighting Global Quality Standards. For more information please see the [Lighting Global Quality Assurance Program](#).

⁵ Share of quality-verified (QV) and non-QV sold by GOGLA and Lighting Global affiliates.

⁶ Data on a specific region, country or product category is only included when it has satisfied the three-data point rule, meaning that at least three separate product manufacturers have reported data for any single data point. When we have fewer than three responses for a region, country or product category, no results are shown to protect the proprietary interests of the companies who have supplied data in support of this industry report.

⁷ Cote d'Ivoire, Africa Hub, SEforALL

⁸ Impact numbers have been estimated by plugging the most recent sales data into the [Standardized Impact Metrics for the Off-Grid Solar Energy Sector](#). The reported estimates differ from the previous edition of the country briefings due to the use of a smaller, yet more consistent and recent dataset, considering only products sold by GOGLA members and Lighting Global affiliates since 2016. Note that while the numbers shown represent the aggregate impact of key players in the off-grid solar sector, these estimates do not present the full global impact of off-grid solar lighting products sold.

⁹ All sales data included in this briefing is derived from the "Global Off-Grid Solar Market Report Database", result of a joint primary data collection effort carried out by GOGLA in partnership with IFC Lighting Global and the Efficiency for Access Coalition. The public version of the resulting report of the effort is available [here](#).

Current Status

Although around 66% of Ivoirians currently have access to electricity, with the reach of 94% of the population in urban areas, the access is still limited in rural areas at 37%¹⁰. The country relies primarily on four energy sources: hydropower, oil, natural gas and biomass. Electricity consumption in Cote d'Ivoire comes 70% from biomass consumption¹¹. The electricity access rate is the highest in the sub-region.

The Government has set a target of 16% renewable energy in the energy mix by 2030. Energy is at the heart of the Cote d'Ivoire development strategy. The government also receives the support of the Millennium Challenge Corporation (MCC). In November 2017, the government signed a grant agreement valued at US\$524.7 million in order to accelerate investment from June 2017 to June 2022.

As part of this programme, the Ivoirian government has created the 'Off-Grid Sector reform', which aims to improve access to and availability of electricity for use by households and public infrastructure. Secondary goals include the stimulation of the market for off-grid electricity, adoption of energy efficiency measures, the creation of a regulatory framework, supporting private sector investment and developing governance capacity¹².

Promoting Quality & E-Waste Management

Cote d'Ivoire currently has no mandatory standards in place for off-grid solar products. As part of the Economic Community of West African States (ECOWAS), Cote d'Ivoire is likely to adopt national standards that are harmonized with the IEC/Lightning Global quality standards in the near future.

Taxation

Solar products are subject to sales tax and import duty equivalent to approximately 25% of the cost of goods.

Investments

In the past, private investment in the off-grid solar sector in Cote d'Ivoire has been limited. By creating a focus on renewable energy, the government is now aiming to increase predictability and to attract private sector investment.

Sector Support Programs

Cote d'Ivoire is part of the World Bank Regional Off-Grid Electrification Project (ROGEP). The project, with an estimated overall budget of US\$200 million will support the acceleration of regional off-grid markets and improve access to finance¹³.

Opportunities and Barriers

There is political will to create policy to further develop the off-grid solar sector, underlined by the off-grid sector reform. The reform will provide opportunities for companies and investors to enter the off-grid solar market, as considerable investments will be made in infrastructure, policy reform and financing facilities.

Major barriers hindering the scaling up of the off-grid sector in Cote d'Ivoire currently include taxation on quality-verified solar products which affects the affordability of products, lack of access to company and consumer finance, and high costs of rural distribution.

Further Information

- [Plan d'Actions National des Energies Renouvelables \(PANER\)](#)
- [Plan Actions National d'Efficacité Energétique \(PANEE\)](#)

¹⁰ <https://www.usaid.gov/sites/default/files/documents/1860/CDIPACFSDEC2017.508.pdf>

¹¹ [Millennium Challenge Corporation Congressional Notification, 2015](#)

¹² Atelier de presentation et de pre-validation des documents de strategie pour le developpement des energies renouvelables et de l'electrification hors reseau Cote d'Ivoire.

¹³ http://www.ecreee.org/sites/default/files/event-att/greenmax_ecreee_rogrep_regional_workshop.pdf

- [Facilité d'Assistance Technique Énergie Durable Pour Tous \(SE4ALL\) Afrique Occidentale et Centrale](#)
- [AGENDAS DE L'INITIATIVE DE L'ENERGIE DURABLE POUR TOUS \(SE4ALL\)](#)