Increase access to electricity in sub-Saharan Africa.

- **60 million** new household and business connections.
- **30,000 Megawatts** of additional capacity.

**Impact** = Reduce energy poverty, increase economic opportunity and growth, and create energy security.
“Unlocking the substantial wind, solar, hydropower, natural gas, biomass, and geothermal resources in sub-Saharan Africa.”

Transaction Focused
On-grid + mini-grid + off-grid.

- Transaction advisors working alongside African Governments across the continent.
THE POWER OF PARTNERSHIPS

“Putting the we back into Power.”

$30 + billion in commitments from 100 + Private Sector Partners.

$9 billion from three partners: the World Bank ($5b), African Development Bank ($3b), Government of Sweden ($1b).
Beyond the Grid Initiative

• 40 + Partners, $1 billion committed in investment into off-grid and small-scale solutions;

• Transactions & Reforms Accelerate transactions & drive systemic regulatory reforms;

• Mobilize Finance Facilitate future investment specifically relating to off-grid and small-scale energy solutions.
The Power Africa Toolbox provides a quick yet comprehensive view of the tools & resources Power Africa uses to drive deals & facilitate investment. These tools fall into five major categories:

### Transaction Assistance
- Early-stage support for innovative energy solutions, resource evaluations, feasibility and grid impact studies, social and environmental impact studies, project appraisal and costing, engineering designs, public private partnerships, and other project preparation activities
- Late-stage expert technical, regulatory, and financial assistance to host country governments to advance power transactions to financial close and beyond

**Who is it for?**
Project developers, investors, host-country governments, entrepreneurs, African-owned and operated enterprises

### Finance
- Equity, mezzanine financing, senior and sub-senior loans, guarantees, export credits, grants, and insurance programs

**Who is it for?**
Project developers, financing institutions, entrepreneurs, host-country governments, U.S. lenders and exporters

### Policy/Regulatory Design & Reform
- Technical assistance to improve the enabling environment for private sector investment in the power sector through policy, legal, regulatory and utility reforms, improved procurement practices and power sector planning, and the adoption of financial incentives and risk mitigation schemes

**Who is it for?**
Host-country governments, utilities, regulators, and other stakeholders

### Capacity Building
- Technical assistance to support institutional strengthening, technical and regulatory skill development, and project development and management activities
- Trade missions to the U.S. and to sub-Saharan Africa

**Who is it for?**
Host country governments, utilities, energy regulators, public procurement agencies

### Legal Assistance
- Legal assistance to strengthen host country government expertise and negotiating capacity in structuring, financing and closing power transactions

**Who is it for?**
Host-country governments and African utilities

Reliable access to electricity is crucial for better health care.
• **Remember:** More than 600 million people in sub-Saharan Africa lack access to electricity, which means limited access to quality health care.

• Thousands of health facilities across Africa **lack even the most basic energy services:**
  - Lighting for child delivery and emergency night-time care
  - Refrigeration of vaccines
  - Electricity for simple medical and diagnostic equipment

Despite billions spent on vertical & horizontal health programs...
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HOMER Energy Tool

This exclusive online version of the HOMER energy optimization tool evaluates hybrid power systems to determine the most cost effective options for delivering continuous electricity to health facilities.

Energy Audit

A spreadsheet tool and guide designed to be an overall off-grid energy information package to help energy experts and procurement officers collect and analyze information, plan PV and generator systems in off-grid health centers, and develop specifications and bidding documents.

Tagged under: HOMER load energy system optimization hybrid system cost solar solar resource PV generator batteries

Tagged under: audit Excel cost energy system energy
This is Paris Wanjiru, a 17-year-old student in Muranga, Kenya.

She used to study using kerosene lamps, but the fumes were toxic.

She now uses a solar-powered light created by Power Africa partner M-Kopa.
Nearly 90 million Nigerians have no connection to the electric grid, leading to dependence on kerosene and diesel.

Power Africa partner Nova-Lumos is bringing renewable and reliable power to Nigerians who live and work beyond the grid.

Lumos’ business model will positively impact millions with new, affordable electricity access in homes, businesses, schools & medical facilities.
EBOLA OUTBREAK IN LIBERIA

- **17 generators** for Ebola Treatment Units
- **Supported life-saving treatment**, and reduced the risk of disease transmission
- **Hybrid solar-diesel units** as longer-term solutions for healthcare facilities