De-risking investments in energy access
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Number of people without electricity access (millions)

- Africa: 600
- Asia: 700
- Middle East: 20
- Latin America: 30

Sub-Saharan Africa (excluding South Africa)
Pop.: 800 million
Electricity Generation: ~40 Gigawatts
Consumption per capita: 52 kWh
Annual Investment Needed through 2030 for Universal Energy Access:

- **$48 Billion**
- **$2 billion**
- **$9 billion**
- **$1.2 billion**
- **$750 million**
- **$50 million**

Current investments bring electricity to only 20 million new people per year.
U.S.-Africa Clean Energy Finance Initiative

In June 2012, the Overseas Private Investment Corporation, in collaboration with the U.S. Department of State and the U.S. Trade and Development Agency, announced the launch of U.S.-Africa Clean Energy Finance Initiative (US-ACEF)

- $20 million facility to provide funding for project development such as:
  - Environmental impact assessments, soil studies, and environmental management plans
  - Finalization of power purchase agreements
  - Transaction advisory services
  - Training programs to assist with the development of critical human capacity resources
  - Preparation of feasibility studies

- Eligible projects include energy efficiency, green-field renewable energy generation, and manufacturing facilities supporting development of Africa’s clean energy market.

- Per project funding range between US$50,000 to US$1 million.
De-Risking Energy Access

INVESTMENT FUNDS

LARGE PROJECTS
- PPAs
- Utilities

LOCAL INTERMEDIARIES
(e.g., Banks, Micro Finance)
- Capitalization
- Capacity
- Repayment
- Quality

SMALL PROJECTS

= Risk

Global/Regional
National