Investing in Development Gains from Energy Efficiency in Sub-Saharan Africa

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Recently concluded activity: Africa Energy Efficiency Investment Opportunities

- Focus on end-use electricity efficiency
- Sustained dialogue with Ghana, Zambia & Botswana
- Built on WB’s previous support to governments
- Investments to foster implementation of EE strategies, roadmaps

**PROJECT OUTPUTS**

- Country Notes, including list of potential projects
- EE investment project proposals (identification stage)
- Proposal for regional energy efficiency capacity-building program
- Knowledge-exchange workshop September 2019
New multi-year program: *Facilitating Energy Efficiency Investment in Africa*

**Types of activities**

1. Diagnostics for countries that request WB support on energy efficiency
2. Groundwork for energy efficiency projects/components for countries that request investment assistance
3. Regional knowledge-sharing and other demand-driven activities

**Countries (2019-20)**

- Potentially including Kenya, Sudan, Gambia, Burkina Faso, Côte d’Ivoire
- Ghana, Zambia, Botswana
- ECREEE, SACREEE, EACREEE

**Focal areas**

- Enhancing energy access
- Improving energy services & productivity
- Supporting utility viability

**Investment projects identified**

- **Ghana**: Public building energy efficiency
- **Zambia**: Clean & efficient lighting; Power factor correction
- **Botswana**: Solar water heaters
Approach: Mainstream energy efficiency into broader, larger investment projects

- Restructuring electricity sector
- Expanding energy access
- Supporting industrial competitiveness
- Raising agricultural productivity
- Improving housing affordability
- Sustaining urban development
Conceptual development of EE component and integration into larger investment project

1. Demand-driven support for new dialogue: Adding new EE operations to the pipeline

2. Just-in-time support for ongoing dialogue: Moving EE operations through the pipeline

Prepare other energy operation (utility restructuring, energy access, etc.)

Integrated investment financing package
How the program could develop EE projects

1. Demand management
   - Dialogue and select opportunities
   - Identify potential

2. Prepare EE projects
   - Prepare EE
   - Prepare vision
   - Prepare technical proposals

3. Identify intervention sites
   - Project selected and defined with client
   - Identification stage proposal for EE intervention

4. Perform energy audits
   - Inventory of intervention sites
   - Perform energy audits
   - Measure market potential

5. Train energy auditors
   - Develop capacity
   - Strengthen capacity

6. Invest in financing & delivery models
   - Develop financing & delivery models
Thank you!

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