



UPSCALING MINI-GRIDS FOR LEAST COST AND TIMELY ACCESS TO ELECTRICITY SERVICES

Action Learning Event

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SREP – GHANA UPDATE

by

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PROJECT OUTLINE

SREP GHANA PROGRAM

Investment Projects co-financed by SREP

PROJECT

1

Renewable energy mini-grids and stand-alone solar PV systems

Executed by: MoP and AfDB

Funded by:

- SREP: USD 17.5 million
- AfDB: USD 27 million
- DPs: USD 12 million
- GOG: USD 8 million
- Beneficiaries & private sector: USD 18.5 million

PROJECT

2

Solar PV based net-metering with storage

Executed by: Energy Commission and AfDB

Funded by:

- SREP: USD 12.5 million
- AfDB: USD 15 million
- DPs: USD 12 million
- GOG: USD 8 million
- Beneficiaries & private sector: USD 45.5 million

PROJECT

3

Utility-scale solar PV/wind power generation

Executed by: private sponsors and IFC/AfDB

Funded by:

- SREP: USD 10 million
- IFC: USD 10 million
- AfDB: USD 10 million
- Beneficiaries & private sector: USD 20 million

PROJECT

4

Technical assistance to scale-up renewable energy

Executed by: Energy Commission and AfDB

Funded by:

- SEFA: USD 1.5 million
- DPs: USD 2.5 million



PROJECT OUTLINE

Expected results-Project 1

- ❖ Estimated 55 renewable mini-grids
- ❖ Private sector investment in stand-alone solar PV systems to benefit 33,000 households
- ❖ About 1,350 schools, 500 health centres and 400 communities electrified

Expected results-Project 2

- ❖ 15,000 grid connected solar PV systems with storage capacity
- ❖ Financing facilities and instruments
- ❖ Standard contract between utilities and customers
- ❖ Technical studies
- ❖ Service provider-certification and training

Expected results-Project 3

- ❖ 150MW Ayitepa/Upstream wind project (IFC/WB structured)



SREP IMPLEMENTATION-PROGRESS

- ❖ Cabinet Approval obtained
- ❖ Letters of Agreements (LOA) signed

Mini-grid Policy

- MGs mainstreamed into national electrification scheme and aligned with the pro-poor policy on rural electrification
- Public sector-led Business Model: ownership (part of NES-GoG)
- Management of mini-grid installations
 - » VRA responsible for O&M of RE generation assets
 - » ECG and NEDCo responsible for O&M of distribution within their respective territories.
- ZERO connection fee charge for RE-based mini-grid customers.
- Tariff: the existing Uniform Tariff Policy (UTP) applies to RE-based mini-grid customers.
e.g. lifeline consumption which is equivalent to 50kWh/month
 - » PURC includes MGs in the National Electricity Tariff Rate Setting Methodology (rate of MG deployment)



SREP IMPLEMENTATION-PROGRESS

- ❖ SREP PIU and Coordinator, Procurement Specialist and Accountant appointed
- ❖ NO obtained from AfDB for project preparation
 - i. Mini-Grid, Standalone, and
 - ii. Net-metering Projects
- ❖ General Procurement Notification issued by AfDB and SREP PIU
- ❖ TOR for above projects developed and submitted to AfDB TTA
- ❖ Leveraging initiatives;
 - i. ESMAP PUE Initiative
 - ii. SECO 3 MG
 - iii. Initiated discussions with WB to scale-up 5 pilot MGs and net-metering.



NEXT STEPS

PLANNED ACTIVITIES FOR 2018	Q1	Q2	Q3	Q4
Complete preparation of projects				
Project Appraisal AfBD/CIF				
Subcommittee consideration and approval				
Launch of SREP				
Full implementation of Public sector-led SREP projects Commenced				



THE END

Thank you