

 Early Warning System

WB-P162580

Solar Development in Sub-Saharan Africa - Phase 1 (Sahel)



Quick Facts

Financial Institutions	World Bank (WB)
Status	Approved
Bank Risk Rating	A
Voting Date	2018-07-06
Borrower	West African Power Pool (WAPP)
Sectors	Energy, Technical Cooperation
Investment Type(s)	Grant
Investment Amount (USD)	\$ 21.00 million
Project Cost (USD)	\$ 21.00 million



Project Description

The proposed first project (SOP #1) consists in technical assistance support to be implemented at the regional level by the WAPP secretariat in collaboration with the utilities and authorities of the recipient countries. It will consist of a regional IDA grant of US\$ 25 million towards the identification and preparation of regional investments in solar electricity generation, grid infrastructure, dispatch and storage, along with capacity building support with particular focus on planning, regulations, technical knowledge and resource assessment and validation.

1. Solar generation expansion and grid integration capacity development. The SOP #1 proposes to support WAPP's member utilities to strengthen their grid integration capacity to and expand WAPP solar energy production monitoring capabilities by:
 - i. Reinforcing the Information and Control Center with a post dedicated to variable renewable energy to allow WAPP to monitor the volume and quality of intermittent - solar - power generation within the different interconnected zones.
 - ii. Creating a WAPP Renewable Energy Task Force, to (i) follow and support the development of variable renewable energy projects across WAPP countries; (ii) support an increased coordination and knowledge on variable renewable energy issues between WAPP countries and their respective utilities; and (iii) share knowledge on planning, procuring and integrating solar generation into the grid.
 - iii. Supporting the definition and implementation of regional and national grid codes with VRE connection requirements.
 - iv. Capacity building and technical assistance activities to support the design and implementation of the SOP.
2. Identification and preparation of regional investments in solar electricity generation and associated network reinforcements and upgrading. The SOP #1 proposes to support WAPP's Planning, Investment Programming & Environmental Safeguards Department to:
 - i. Identify and prepare regional solar generation projects and associated grid investments, in close coordination with WAPP Members, IFC, MIGA and development partners. Such projects could include the Burkina Faso Regional Solar Project, the Mali Regional Solar Project, solar generation facilities tied to hydropower plants. Activities would include the full spectrum of preparation activities (pre-feasibility, feasibility, safeguards, project structuring, implementation arrangements determining ownership structure and operation, regulatory changes). Inclusion of countries not members of WAPP (Mauritania, Chad) will be done on an ad hoc basis.
 - ii. Roll out a solar resource ground measurement campaign in multiple locations across the region to improve overall knowledge of the solar resource, siting of solar plants, reduce uncertainties on the solar resource (and thus lower solar electricity production prices).



Investment Description

- World Bank (WB)



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You can learn more about the Inspection Panel and how to file a complaint at:

<http://ewebapps.worldbank.org/apps/ip/Pages/Home.aspx>.



Bank Documents

- [Concept Project Information Document-Integrated Safeguards Data Sheet - Solar Development in Sub-Sah](#) [Original Source]
- [Official Documents- Agreement for Advance V1360 \(English\)](#) [Original Source]
- [Official Documents- Amendment to Agreement for Advance V1360 \(English\)](#) [Original Source]
- [Official Documents- Disbursement Letter for Advance V1360 \(English\)](#) [Original Source]
- [Project Information Document-Integrated Safeguards Data Sheet - Solar Development in Sub-Saharan Afr](#) [Original Source]
- [Western Africa - Project for the Construction and Operation of Solar Parks : environmental assessmen](#) [Original Source]
- [Western Africa - Solar Development in Sub-Saharan Africa Project - Phase 1 \(English\)](#) [Original Source]