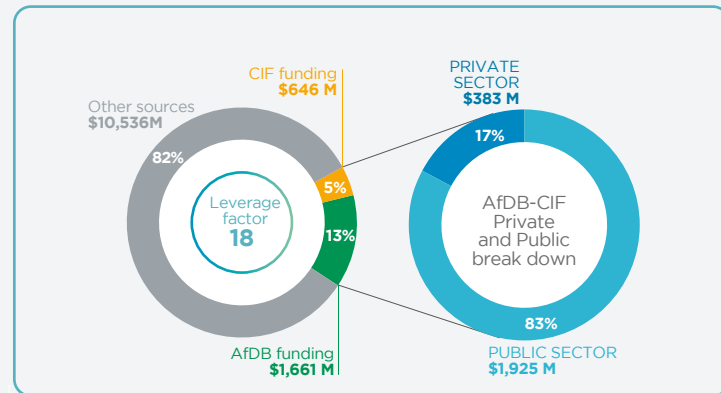


CLEAN TECHNOLOGY FUND (CTF)

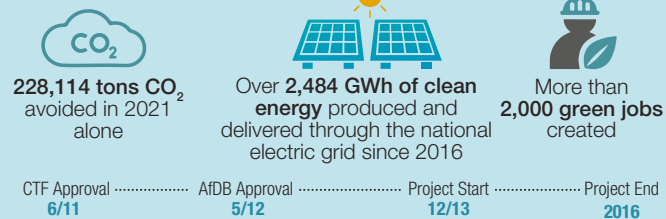
AfDB-CTF Portfolio



MOROCCO NOOR I CONCENTRATED SOLAR POWER PROJECT CTF \$100 M, AfDB \$240 M

Purpose: To initiate the development of Concentrated Solar Power (CSP) technology by carrying out Phase I of the Ouarzazate Power Station (125 to 160 MW)

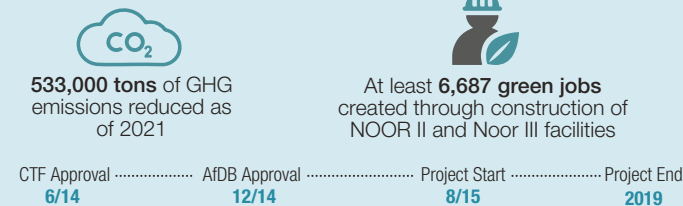
Key results:



MOROCCO NOOR II AND III CONCENTRATED SOLAR POWER PROJECT (MENA REGION IP) CTF \$119 M, AfDB \$139 M

Purpose: To reduce Morocco's energy dependence on external markets by developing concentrated solar power (350 MW)

Key results:



MOROCCO MIDELT CONCENTRATED SOLAR POWER PROJECT CTF \$25 M, AfDB \$240 M

Purpose: To increase innovative solar power generation in Morocco through an innovative hybrid CSP and Solar Photovoltaic (PV) solution

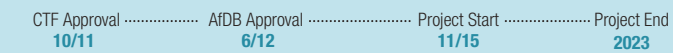
Key expected results: 1.2 million tons annual GHG emissions reduced; up to 800 MW installed capacity of renewable energy. Financial agreement with developer underway and construction expected to begin by 2020



MOROCCO ONE WIND ENERGY PROGRAM CTF \$125 M, AfDB \$512 M

Purpose: To contribute to energy supply security through the diversification of energy sources, reduction in greenhouse gas emissions, and the harmonization of rural and urban access rates

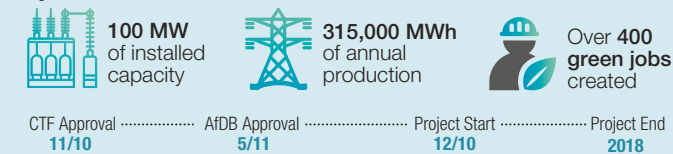
Key expected results: Three wind farms constructed with total installed capacity of 750 MW (250 MW per wind farm); increased capacity of hybrid hydro storage systems by 350 MW; and an estimated 86,000 new rural household grid connections through leveraged co-financing



SOUTH AFRICA ESKOM RENEWABLES SUPPORT PROJECTS: SERE WIND FARM CTF \$50 M, AfDB \$45 M

Purpose: To facilitate the accelerated development of large-scale renewable energy production capacity in support of the long-term carbon mitigation strategy of South Africa

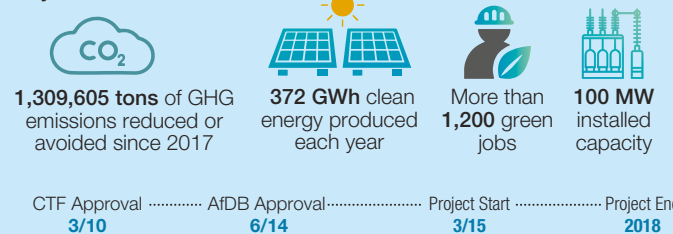
Key results:



SOUTH AFRICA SUSTAINABLE ENERGY ACCELERATION PROGRAM: XINA SOLAR ONE PROJECT CTF \$41.5 M, AfDB \$100 M

Purpose: To add new, reliable, dispatchable solar energy generation capacity, thus closing the energy supply gap, reducing dependence on coal, saving carbon emissions, generating local employment, and building a domestic solar power industry

Key results:



SOUTH AFRICA ESKOM DISTRIBUTED BATTERY ENERGY STORAGE PROJECT CTF \$57.67M

Purpose: To increase efficiency and reliability of electricity supply through dispatchable battery energy storage systems from clean energy (Variable Renewable Energy-VRE) to the grid as well as to reduce GHG emissions.

Key expected results: 360MW storage system (equivalent to 1440 MWh with four hours storage) developed at various Eskom distribution sites in several provinces (Western Cape, Eastern Cape, Northern Cape and KwaZulu Natal)



NIGERIA LINE OF CREDIT FOR RENEWABLE ENERGY AND ENERGY EFFICIENCY PROJECT CTF \$1.25 M, AfDB \$48.75 M

Purpose: To support a local bank to finance on-lending to small and medium enterprises for renewable energy/energy efficiency projects in Nigeria

Key results: 40,359 tons CO₂ emission mitigated; and 1 loan extended to a small to medium enterprise and all other funds unfortunately canceled due to a currency fluctuation problem.



MULTINATIONAL AFRICA RENEWABLE ENERGY FUND II CTF \$10 M, SEFA \$15 M

Purpose: A renewable energy private equity fund targeting an aggregate amount of investors' commitments of \$300 million, with a first close target of \$150-200 million. Investments in small-medium renewable energy technologies including solar PV, wind, geothermal, biomass and run-off river hydropower projects with a focus on hybridization and energy storage solutions.

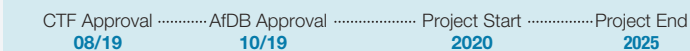
Key expected results: Annual GHG Emission Reduction of 928,000 tCO₂ eq, New Renewable Energy Installed Capacity of 840 MW, 1,000 full-time job created



MULTINATIONAL FACILITY FOR ENERGY INCLUSION - ON-GRID FUND CTF \$20 M, AfDB \$66.4 M

Purpose: To facilitate the scale-up of investments that increase access to energy through renewable technologies

Key expected results: Increase supply availability by 600 MW; reduce GHG emissions by 2,569,132 tons CO₂ eq per year; create 14,338 jobs during construction and 9,186 jobs during operations



KENYA DPSP II: CONCESSIONAL FINANCE PROGRAM FOR GEOTHERMAL GENERATION: 35MW GEOTHERMAL IPP PROJECT CTF \$20 M, AfDB \$29.5 M

Purpose: To support socio-economic development in Kenya by increasing installed energy capacity, diversifying the country's energy mix with geothermal power, and fostering private sector development

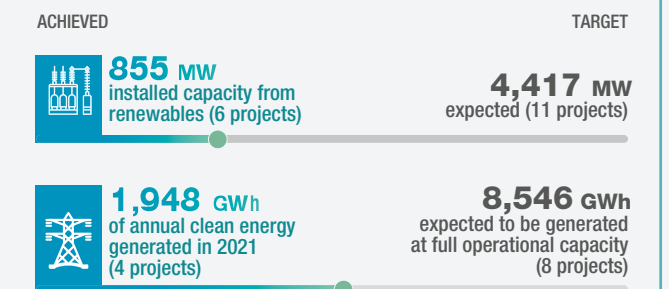
Key expected results: Increase installed geothermal energy capacity by 35 MW; increase average annual energy production by 291 GWh per year; approximately 95,100 tons CO₂ eq in GHG emissions savings per year; and create of over 300 green jobs; financial agreement with developer underway and construction expected to begin by 2020



PROJECT PREPARATION GRANTS:

- **Egypt: 200 MW Golf of Suez Wind Farm (\$1 M) (Completed)**
AfDB Approval: Nov 2011
- **CSP Mena/Egypt: Preparation Grant For Kom Ombo Concentrated Solar Power Project In Egypt (\$995,500) (Completed)**
AfDB Approval: May 2012
- **Nigeria: Abuja Bus Rapid Transit Project Study (Completed)**
AfDB Approval: Feb 2013

CTF RESULTS



CTF PILOT COUNTRIES



* DPSP II
** DPSP III