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:
- 228,114 tons CO2 avoided in 2021 alone
- Over 2,484 GWh of clean energy produced and delivered through the national electric grid since 2016
- More than 2,000 green jobs created

MOROCCO

NOOR III CONCENTRATED SOLAR POWER PROJECT

CTF $119 M, AfDB $139 M

(MENA REGION IP)

NOOR II AND III CONCENTRATED SOLAR POWER PROJECT

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:
- 315,000 MWh of annual energy production
- Over 400 green jobs created

SOUTH AFRICA

ESKOM RENEWABLES SUPPORT PROJECTS: SERE WIND FARM

CTF $50 M, AfDB $45 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:
- 700 GWh of clean energy generated each year
- More than 1,200 green jobs created
- 100 MW installed capacity

SOUTH AFRICA

SUSTAINABLE ENERGY ACCELERATION PROGRAM: XINA SOLAR ONE PROJECT

CTF $415 M, AfDB $100 M

Purpose: To add new, reliable, and 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:
- 13,09,605 tons of GHG emissions reduced or avoided since 2017
- 372 GWh of clean energy generated each year
- More than 1,200 green jobs created

SOUTH AFRICA

ESKOM DISTRIBUTED BATTERY ENERGY STORAGE PROJECT

CTF $57.8 M

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

Key results:
- 120 MWh of annual energy production
- 94 MWh of energy stored annually

NIGERIA

LINE OF CREDIT FOR RENEWABLE ENERGY AND ENERGY EFFICIENCY PROJECT

CTF $1.25 M, AfDB $4.75 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 enterprise and all other funds unfortunately canceled due to a currency fluctuation problem.

MULTINATIONAL

AFRICA RENEWABLE ENERGY FUND I

CTF $10 M, SEFA $15 M

Purpose: To support a renewable energy private equity fund targeting an aggregate amount of investors' commitments of $100 million, with a first close target of $250 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 results:
- Annual GHG Emission Reduction of 308,000 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 $86.4 M

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

Key results:
- Increase supply availability by 60 MW, reduce GHG emissions by 2,569,132 tons CO2 eq per year; create 14,338 jobs during construction and 9,178 jobs during operations

KENYA

DPSPII: 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 economy mix with geothermal power, and fostering private sector development.

Key results:
- Increase installed geothermal energy capacity by 35 MW; increase annual energy production by 291 MWh per year; approximately 26,100 tons CO2 eq in GHG emissions savings per year; and create over 300 green jobs; financial agreement with developer underway and construction expected to be completed by 2025.

PROJECT PREPARATION GRANTS:
- Egypt: 200 MW Golf of Suez Wind Farm ($31 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

555 MW installed capacity from renewables (9 projects)
AVERAGE 1,943 MW per year expected to be generated at full operational capacity (5 projects)
4,417 MW expected (11 projects)

CTF PILOT COUNTRIES

- Ethiopia
- Kenya
- Egypt
- Nigeria
- South Africa