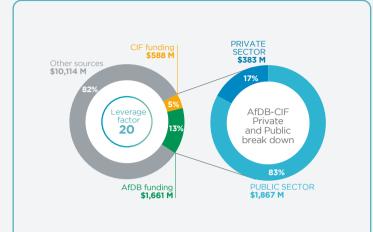
# **CLEAN TECHNOLOGY FUND (CTF)**





#### **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:**



alone





energy produced and 2,000 green jobs delivered through the national electric grid since 2016



#### **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:**









jobs created through construction of NOOR I and Noor III facilities

**Key expected results:** Reduce national energy dependence and volume of fuel imports at the national level; increase share of renewable energy in national electricity generation by 30%; and around 0.5 million tons of CO<sub>2</sub> emissions saved per year

CTF Approval ······	······ ATUB Approvai ········	······ Project Start ·······	·····Project End
6/14	12/14	8/15	2019

#### **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

#### **Kev results:**





Over **75,000 new households** from 2,590 villages connected to the grid through the program's leveraged co-financing

**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

CTF Approval ·····	AfDB Approval	Project Start	Project End
10/11	6/12	11/15	2022

#### **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

**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

CTF Approval ·····	AfDB Approval	 Project Start	 Project End
6/17	12/17	2020	2023

#### **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:**



CTF

100 MW of installed capacity

315,000 MWh of annual production



Over **400** green jobs

Approval ·····	AfDB Approval	 Project Start	····· Project
1/10	5/11	12/10	2018

#### **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 feet a publishing tight and appear actions. projects with a focus on hybridization and energy storage

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

CTF Approval ·····	AfDB Approval	Project Star	t Project End
2020	2020	2020	2032

#### **NIGERIA**

LINE OF CREDIT FOR RENEWABLE ENERGY AND ENERGY FFFICIENCY 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.

CTF Approval	AfDB Approval	 Project Start	Project End
4/14	5/14	2/16	2028

#### **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 expected results:** 315,000 tons of GHG Emissions Reduced or Avoided. 92 green jobs created in 2020. 100 MW installed capacity from renewables in 2020

CTF Approval	AfDB Approval	Project Start	·····Project End
3/10	6/14	3/15	2018

### **MULTINATIONAL**

FACILITY FOR ENERGY INCLUSION - ON-GRID FUND

#### CTF \$20 M, AfDB \$61.54 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 CO<sub>2</sub> eq per year; create 14,338 jobs during construction and 9,186 jobs during operations

CTF Approval	AfDB Approval	Project Start	Project En
08/19	10/19	Pending	2025

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

**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 CO, 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

CTF Approval ·····	AfDB Approval ·····	Project Start	····· Project End
4/16	6/18	pending	2023

## 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** (Ongoing)

AfDB Approval: Feb 2013

# **CTF RESULTS**

ACHIEVED

stalled canacity from enewables (4 projects)

3,502 mw expectéd (9 projects)

TARGET



f annual clean energy enerated in 2018

5.046 gwh expected to be generated at full operational capacity (6 projects)

# **CTF PILOT COUNTRIES**

