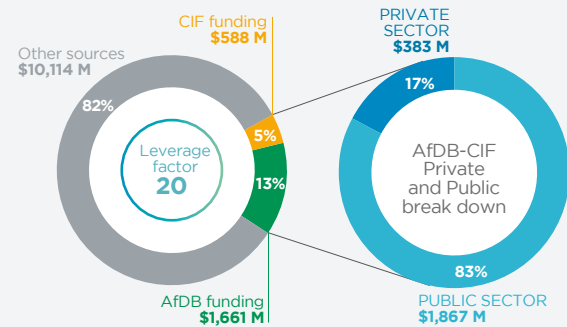


# CLEAN TECHNOLOGY FUND (CTF)

## AfDB-CTF Portfolio



### 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 results:



Wind farm construction ongoing in 2018



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



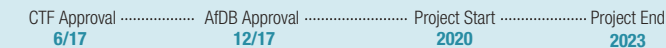
### MOROCCO

#### 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



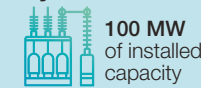
### SOUTH AFRICA

#### 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:



100 MW of installed capacity



315,000 MWh of annual production



Over **400 green jobs** created



### 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 tCO<sub>2</sub> eq, New Renewable Energy Installed Capacity of 840 MW, 1,000 full-time job created



### 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 CO<sub>2</sub> emission mitigated; and 1 loan extended to a small to medium enterprise and all other funds unfortunately canceled due to a currency fluctuation problem.



### SOUTH AFRICA

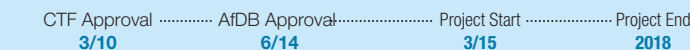
#### SUSTAINABLE ENERGY ACCELERATION PROGRAM:

##### 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



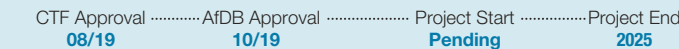
### MULTINATIONAL

#### 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



### 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

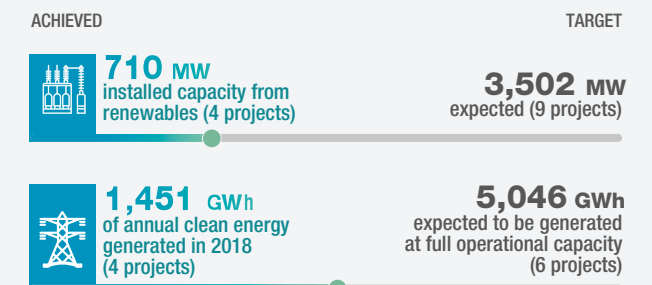
**Key expected results:** Increase installed geothermal energy capacity by 35 MW; increase average annual energy production by 291 GWh per year; approximately 95,100 tons CO<sub>2</sub> eq in GHG emissions savings per year; and create of over 300 green jobs; financial agreement with developer underway 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** (Ongoing)  
AfDB Approval: **Feb 2013**

## CTF RESULTS



## CTF PILOT COUNTRIES

