

Approved projects

Ensuring sustainable progress

Building on a vision of Africa as a powered, interconnected and climate-smart continent, the AfDB and CTF are helping countries pilot and establish renewable energy, energy efficiency, and sustainable transport solutions.

CTF APPROVED PROJECTS

MOROCCO OUARZAZATE CONCENTRATED SOLAR POWER

CTF \$100M, AfDB \$240M

Purpose: To generate 120-160 MW in its first phase and 500 MW in total
Key Expected Results: 0.24 million tons of CO₂ emissions avoided per year; shifted energy mix

MOROCCO NOOR II AND III CONCENTRATED SOLAR POWER PROJECT (MENA REGION IP)

CTF \$119M, AfDB \$140M

Purpose: To develop 2,000 MW of concentrated solar power
Key Expected Results: Annual CO₂ savings of 521,670, potential creation of 11,000 jobs, reduce global CSP cost curve by 3%

MOROCCO ONE WIND ENERGY

CTF \$125M, AfDB \$448M

Purpose: To construct two wind farms of 100-300 MW installed capacity and two hydro facilities to supply base-load power

Key Expected Results: Additional 550 MW of wind installed capacity and hybrid-hydro storage and generation of 520 MW; 533,000 new connections

NIGERIA LINE OF CREDIT FOR RENEWABLE ENERGY AND ENERGY EFFICIENCY

CTF \$25M, AfDB \$75M

Purpose: To facilitate provision of affordable financing through a local bank for indigenous RE/EE projects.

Key Expected Results: 0.15 million tons of CO₂ per year, newly installed capacity of 107 MW

SOUTH AFRICA ESKOM RENEWABLES SUPPORT

CTF \$100M, AfDB \$260M

Purpose: To introduce CSP to Sub-Saharan Africa and scaled-up wind energy to South Africa

Key Expected Results: 0.58 million tons CO₂ emissions avoided through CSP, 0.24 million tons avoided through wind

SOUTH AFRICA XINA SOLAR ONE PROJECT (SUSTAINABLE ENERGY ACCELERATION PROGRAM)

CTF \$41.5M AfDB \$100M

Purpose: The construction of a 100MW CSP plant to alleviate peak load demand and reduce CO₂ emissions in South Africa.

Key Expected Results: Annual reduction of 400,000 tons of CO₂, creation of 1,370 jobs during construction phase and 45 jobs during operation.

Economic growth through renewables

With a double-faceted objective of bridging Africa's energy deficit and stimulating economic growth, the AfDB is growing its SREP portfolio. Through support from SREP and AfDB and other partners both Kenya and Mali are seeing their respective energy landscapes revolutionized.

SREP APPROVED PROJECTS

KENYA MENENGAI GEOTHERMAL DEVELOPMENT

SREP \$25M, AfDB \$120M

Purpose: To develop the Menengai geothermal steam field to produce steam for 150 MW power

Key expected results: 540,000 tons CO₂ emissions avoided per year; connecting 185,000 households and 110,000 small businesses.

MALI PROJECT FOR SCALING UP RENEWABLE ENERGY (PAPERM)

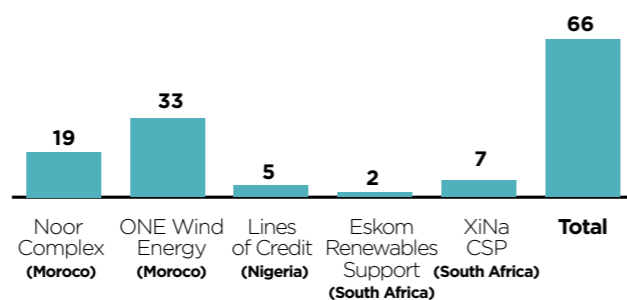
SREP \$1.5M

Purpose: To foster development of renewable energy by improving policy, strategy, regulatory and institutional frameworks for scaling up renewable energy.

Key expected results: 40 additional RE projects by 2017.



CTF CUMULATIVE GHG REDUCTIONS (MILLION TONS)



Embedding climate resilience into national planning

With PPCR and AfDB support Mozambique, Niger and Zambia have fully approved their AfDB-led PPCR projects. Their scaled-up climate action will lead to significant forest restoration, reduced poverty rates, increased crop production and heightened climate resilience.

PPCR APPROVED PROJECTS

MOZAMBIQUE BAIXO LIMPOPO IRRIGATION AND CLIMATE RESILIENCE

PPCR \$15.75M, AfDB \$25

Purpose: To provide climate resilient infrastructure for increased agricultural productivity

Key expected results: Increased incomes 150% and crop production in project area, reduced poverty rate to 42%

MOZAMBIQUE SUSTAINABLE LAND AND WATER RESOURCES MANAGEMENT

PPCR \$15.75M, AfDB \$3.2M

Purpose: To promote community-based watershed/landscape management approaches

Key expected results: 1,500 ha of forests restored and forest fires reduced by 75%.

NIGER IMPROVEMENT OF CLIMATE FORECASTING AND OPERATIONALIZATION OF EARLY WARNING SYSTEMS

PPCR \$13M

Purpose: To build capacity in climate data processing, prepare an agropastoral vulnerability map, and scale up the national early warning system

Key expected results: Strengthened food security, 10% reduction in annual crop losses in project areas

NIGER WATER RESOURCE MANAGEMENT AND DEVELOPMENT

PPCR \$22M

Purpose: To improve resilience in rural communities dependent on rainfed farming

Key expected results: Reduced rural poverty from 66% to 52%, increased annual agricultural production to 2860 tons in project areas

ZAMBIA STRENGTHENING CLIMATE RESILIENCE IN THE KAFUE SUB-BASIN

PPCR \$38M

Purpose: To strengthen 800,000 rural communities to respond to climate change impacts and strengthen roads linking farmers to markets

Key expected results: Increased resilient infrastructure and production systems in project area; increased Integrated Development Plans in districts with mainstreamed resilience

Managing forests for sustainability

With full approval of the FIP portfolio, the AfDB is supporting countries' work to realize a broad range of forest benefits including governance mechanisms, poverty reduction, job creation and sustainable forestry practices.

FIP APPROVED PROJECTS

GHANA ENGAGING LOCAL COMMUNITIES IN REDD+/ ENHANCEMENT OF CARBON STOCKS (ELCIR+)

FIP \$10M*, AfDB \$4.8M

Purpose: To reduce deforestation and forest degradation and financially benefit local communities.

Key expected results: Emissions reduction; protection of carbon reservoirs; 12,000 direct beneficiaries (50% women) to receive seeds, equipment, financial incentives to develop forestry, agroforestry and alternative livelihoods activities; 175,000 additional indirect beneficiaries.

BURKINA FASO GAZETTED FORESTS PARTICIPATORY MANAGEMENT

FIP \$11.5M*

Purpose: To build carbon sequestration capacity in the forests, improving local people's resilience to climate change, and reducing poverty by diversifying income sources, developing gazetted forest wood and non-wood products such as almond and shea processing and beekeeping.

Key expected outcomes: Development of a measurable, reportable, verifiable system for REDD+, improvement of forest governance, securitization and management of 284,000 ha of gazetted forests; establishment of a socio-economic support infrastructure for neighboring municipal councils.

DEMOCRATIC REPUBLIC OF CONGO INTEGRATED REDD+ PROJECT IN THE MBUJI-MAYI/KANANGA AND KISANGANI BASINS

FIP \$22M*

Purpose: To reduce forest GHG emissions and poverty in a degraded savannah area and a closed forest area to address land tenure security, agriculture, forestry and energy.

Key expected results: 4 million tons CO₂ emissions reduced; 30,000 improved stoves; 8,500 ha forests sustainably managed; 20,000 rural micro-enterprises; 4,500 land usufruct rights formalized (50% women, youth)

*Project totals include project preparation grant financing