

# Clean and Efficient Energy Project

## Green Bond Criteria: Mitigation

**Purpose:** To develop the first utility sized photovoltaic plant to more reliably supply solar power to remote regions.

**Expected Results (include):** By 2020:

- 75 MW of renewable energy capacity added.
- 412,000 people benefit from electricity and associated economic opportunities of which 50% are expected to be female.
- 78,018 tones of CO<sub>2</sub> emissions reduced annually.

**IBRD Financing:** \$125 Million



## Country Challenge

Three remote towns at the foot of the Atlas mountains — Erfoud, Missour, and Zagora, are not served by Morocco's main power stations located on the Atlantic and Mediterranean coasts. The population suffers from power cuts and low/unstable voltage making light bulbs dim, computer screens flicker, and hospital equipment malfunction. Morocco plans to shift from a mainly fossil fuel-dependent energy system to one where 42% of demand is met by renewable sources.

## Project Goal

The project supports Morocco's first mid-size, grid-connected decentralized solar photovoltaic plants. The investment includes extension of power evacuation lines and installation of time-of-use smart meters which encourage lower consumption at peak hours. The project complements the larger-scale solar Noor Ouarzazate Complex.

For more information:

<http://www.worldbank.org/projects/P143689/?lang=en&tab=details>

[http://www-wds.worldbank.org/external/default/WDSContentServer/WDSP/MNA/2013/11/12/090224b0820685cb/1\\_0/Rendered/PDF/Project0Inform0gy0Project000P143689.pdf](http://www-wds.worldbank.org/external/default/WDSContentServer/WDSP/MNA/2013/11/12/090224b0820685cb/1_0/Rendered/PDF/Project0Inform0gy0Project000P143689.pdf)