First Climate

Mauretania

Mauritania: 50MW solar PV Project

Clean energy generation

Emission Reductions	Project Technology	Project Standard
57,000t CO_2e p.a.	Renewable Energy - Solar	VCS

Mauritania's economy is sensitive to international commodity prices. Between 2008 and 2014, Mauritania experienced an economic boom. The World Bank attributes this boom to improved productivity, and income in rural areas after reform policies in the agricultural and livestock sector. Nonetheless, the boom was transient, a fall in mineral prices in 2014 sparked a recession. Today, economic recovery remains slow as rapid urbanization and a growing population exert further pressure on resources.

The Government of Mauritania considers energy a priority for poverty reduction. Mauritania is endowed with oil, natural gas, and several renewable energy resources. It has considerable wind potential on the Atlantic coast making commercialization attractive. However, fossil fuels still dominate energy consumption. Liquefied petroleum gas accounts for 95% of the country's commercial energy needs. The government plans to meet its growing energy demand with fewer fuel imports through renewable energy. It set and achieved a target of 20% renewables by 2020. The Toujounine solar PV power plant helped Mauritania achieve its 2020 goal of 20% renewables, supplying 10% of the country's total electricity production in 2019. Consisting of 156,000 solar panels and totalling 50MW installed capacity, the project is the largest solar PV plant in the country. Every year, the plant generates around 87GWh, which is enough to sustainably meet the electricity demands of 362,500 people.

info

about project standards and technologies:
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Supported Sustainable Development Goals

Sustainable Development

Beyond removing carbon emissions, all our climate protection projects generate multiple additional benefits for people and the environment. These projects support the United Nations Sustainable Development Goals.

7 AFFORDABLE AND CLEAN ENERGY

Solar is a clean source of energy, it neither pollutes the air nor emits CO_2 like coal or natural gas. The project reduces associated emissions produced from the current energy sources.

8 DECENT WORK AND ECONOMIC GROWTH

The project has generated over 100 jobs. Furthermore, the success of this project will encourage further investment into the region to develop renewable technologies.

12 RESPONSIBLE CONSUMPTION AND PRODUCTION

The project reduces dependence on carbon intensive energy sources in production. Since solar energy is cost effective, this is likely to have a pull-effect, encouraging companies to adopt sustainable practices.

13 CLIMATE ACTION

Solar panels emit zero CO_2 emissions during operation. Therefore, the project contributes to the fight against global climate change, keeping the rise of temperatures within 2°C limit.

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TÜV NORD CERT GmbH Verified Carbon Offsetting

Disclaimer: The displayed SDGs are selected based on relevance and project evaluations by First Climate.