



Accelerating the transformational shift to a low-carbon economy in the Republic of Mauritius

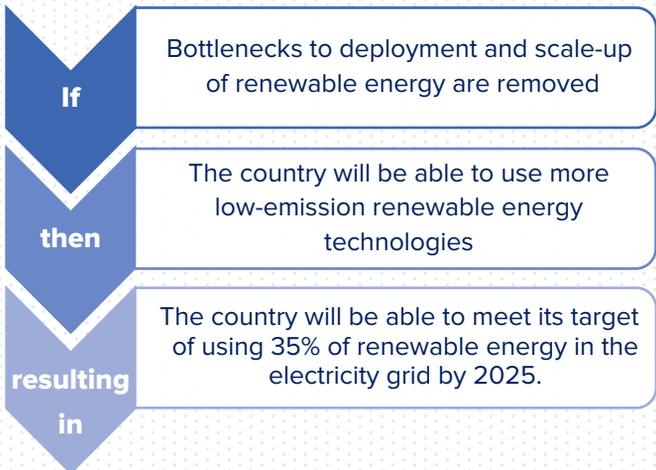
With imported fossil fuels supplying 84% of Mauritius’ primary energy requirements, the country is vulnerable to external energy shocks, like many other Small Island Developing States (SIDS). Also, greenhouse gas emissions are increasing at a rate of 3 % per year.

The Green Climate Fund, through a USD 28 million grant is enabling the Government of Mauritius to meet its target of using renewables to supply 35% of the country’s energy needs by 2025, as per its Renewable Energy Roadmap 2030 for the Electricity Sector.

Action to mitigate climate change has to be taken as every possible level. The past decade has been the hottest one on record.

This is part of a broad national strategy to reduce the country’s dependence on fossil fuels, to enhance energy security and climate change mitigation, to improve the country’s balance of payments and to create more employment opportunities in the renewable energy sector.

OUR APPROACH



Budget 2020 **USD 3,123,803**
Total **USD 28,210,000**

Period **2017-2025**



QUICK FACTS

81%



Of primary energy met from imported fossil fuels in Mauritius



1.01 tonnes of CO₂/MWh

High grid emission factor

3

%

Increase of net Greenhouse Gas (GHG) emission per year



39%



38%

Coal

Fuel oil

Imported fossil fuels



Statistically, women are under represented in the renewable energy sector

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OBJECTIVE

This project is aimed at enabling the Government of Mauritius to meet its target of using renewables to supply 35 percent of the country's electricity needs by 2025, under its Renewable Energy Roadmap 2030 for the Electricity Sector.



IMPLEMENTATION

This project is nationally implemented by the Government of Mauritius in partnership with UNDP.



KEY RESULTS

- 4MW Battery Energy Storage System (BESS) installed since 2018 and installation of 14 MW of BESS ongoing;
- Management Information System for Mauritius Renewable Energy Agency and Utility Regulatory Authority developed and operational;
- National Grid Code for the electricity market finalised. Standards for Renewable Energy Technology and Regulations for Accreditation Mechanism for Renewable Energy Operators developed;
- Awareness materials including a booklet on Solar Photovoltaic Energy (in English, French and Creole) produced and distributed;
- Training of technical personnel of the CEB on smart-grid related technologies and programming;
- 1,000 women (including students) benefiting from awareness and training sessions on renewable energy and entrepreneurship;
- Feasibility study for setting up of a Floating Solar PV farm on the Tamarind Falls reservoir completed.



PARTNERS

- Ministry of Finance, Economic Planning and Development;
- Mauritius Renewable Energy Agency;
- Utility Regulatory Authority;
- Ministry of Energy and Public Utilities;
- Central Electricity Board;
- National Women's Council.

UNDP IN MAURITIUS

UNDP supports and supplements national efforts aimed at reducing poverty in all its forms, accelerating the transition to sustainable development, and making sure national institutions and communities are able to withstand crises and shocks. We work to make sure the most vulnerable and excluded are not left behind, develop game changing solutions to accelerate sustainable development, and promote low-carbon consumption, and preparedness against climate-related crises and shocks.



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