



ACEF 2023



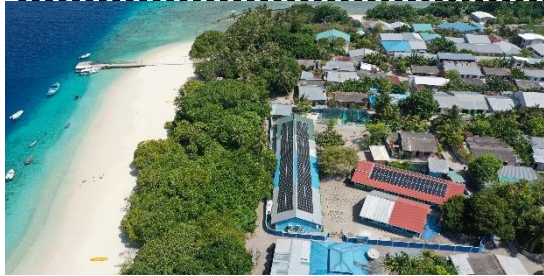
Engaging and Empowering Women to Enable the Transition towards Clean and Cost-effective Renewable Energies in Maldives



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Country Overview



Total installed power generation capacity: 602MW
(Inhabited: 319MW, Resorts: 210 and Industrial: 20MW)
RE: 53MW

Number of Islands: 1,192, (187 Inhabited islands + 1005 Uninhabited)

Tourist Resorts: 159 (Toursim Yearbook 2021)

Population: 515,122 (382,751 Locals + 132,371 Foreigners) (Census 2022)

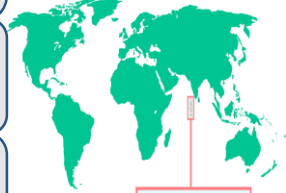
GDP per capita: 6,698 US\$ (2020)

Area: 115,300 sq.km (including sea)

EEZ: 859,000 sq.km

Total land area: 300 sq. km (Less than 1% of the EEZ)

80 % is less than 1 meter above sea level



RE Interventions at a Glance



POISED and ASSURE projects

- POISED Project supports introduction of solar photovoltaic-battery-hybrid systems covering **160 outer islands**, installation of Solar Powered 4 Community Ice Plants, and introduction of a Solar Powered Ferry.
- Public outreach, education, awareness efforts and policy and legislative changes

RE Interventions at a Glance



- ASSURE project will support installation of solar photovoltaic-battery-hybrid systems covering **20 outer islands**, Piloting of Wind Energy, and Ocean Energy, and introducing of Solar Tied Community Irrigation System for a farming community.



- Public outreach, education, awareness efforts and policy and legislative changes

Inclusive RE Interventions and Community Empowerment



Public outreach, community and women empowerment, education and awareness efforts

- Strong community support. It reduces air pollution and noise levels, improving quality of life for the island residents
- Provides employment opportunities. (Jobs created by Fenaka: 127 male and 25 female)
- Supports microenterprise development and gender inclusive opportunities through productive energy use



Inclusive RE Interventions and Community Empowerment



Public outreach, education and awareness efforts

- Career guidance sessions for students from grades 8 to 10 and 12, including the parents and teachers.
- Awareness programs in 111 islands covering over 12,908 participants (>50% of women) and 6,745 students (3,292 female and 3,453 male).

Inclusive RE Interventions and Community Empowerment



Public outreach, education and awareness efforts

- Home Solar Program and Net metering Contribute to a tariff reduction of households and businesses. 253 households have installed rooftop solar systems under Home Solar Program
- 49 WDCs (245 members) were consulted and sensitized on renewable energy and energy efficiency.

Inclusive RE Interventions and Community Empowerment



Public outreach, education and awareness efforts

- MOECT and utilities distributed 3,221,250 LED bulbs, 78,760 LED tubes, 534 LED harbour lights and 2,500 LED street lights as a campaign for energy efficiency demonstration



Gender and Community Inclusive Cross Sectoral Support



First Solar Powered Community Ice Plant in Dhiffushi

- The plant is operated by the island council and Women Development Community



Gender and Community Inclusive Cross Sectoral Support



Replication of Solar Powered Community Ice Plants to support Fisheries

- 4 Ice-making plants to be installed in 2023 in:
 - ✓ **N.** Landhoo
 - ✓ **Th.** Vilufishi
 - ✓ **Th.** Madifushi
 - ✓ **Th.** Buruni

Gender and Community Inclusive Cross Sectoral Support



First Solar Powered Reverse Osmosis Water Desalination plant for Irrigation purposes will be installed and Shade and green houses will be introduced in Thoddoo which will be managed by the WDC

- **Solar Plant**
 - PV: 200 kWp
 - BESS: 500 kWh
- **RO plant**
 - 200 m³/day





Thanks

And welcome to the Maldives