

Webinar to Support e-Mobility Development in Tuvalu



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TEC
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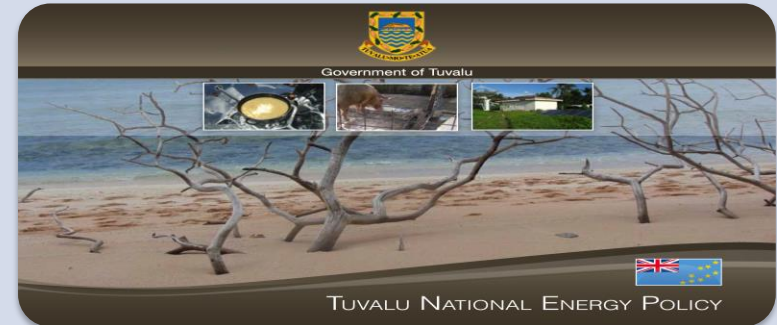
Relevant Policy



National Strategy for
Sustainable Development
2021-2030

Key Strategic Action

5.19.2 – Strengthen efforts on decreasing the high dependency on costly fuel imports.



TNEP under review

Old Version - 3.0 Transport

Policy 3.1

Ensure that the sea and land transport sectors promote fuel conservation and efficiency measures.

TEC e-Motorcycle Pilot Programme

Background

- ✓ Part of the Tuvalu Energy Sector Development Project (TESDP)
- ✓ Funded by – World Bank
- ✓ Total Funding - USD\$35K (including spare parts)
- ✓ Supplier – EastWest China
- ✓ No of e-Motorcycles - 12

Objective of the Pilot Programme

- ✓ Is to evaluate the technical and economic feasibility of deploying e-mobility at a larger scale while creating synergies with the renewable energy power plants in a harmonized energy system; and
- ✓ The Construction Supervisory Consultant (CSC) will carry out the Technical and Economic Evaluation of e-mobility in Tuvalu through the Electric e-motorcycle Pilot.

Specifications

	
brand	TEC
model	Bumblebee
Product code	HDM007
Motor	1000W
controller	12 tube sine wave controller
Rated voltage	60V / 72V
Top speed	55km/h
shock absorption	Front fork hydraulic, rear wheel hydraulic + spring
brake	Disc brake
tyre	90/70-12 Vacuum tire
lamp	LED
key	2 pcs
Remote control	2 pcs
Minimum ground clearance	190mm
Product size	1870*700*1170mm
Package size	1950*1200*560
Net weight	75kg
load	200kg
Battery model	60V-20AH lithium battery
Charger	4A
Charging time	5H
Mileage reference	70-80km
Cycle charge times	800-1000

Other Accessories

BATTERY CHARGER (4A)



WORKSHOP TOOLS AND INSTRUMENT, SPARE WHEELS



SPARES

- ✓ 2 x Lithium batteries (60V-20AH)
- ✓ 8 x Front Wheel spare tyre
- ✓ 8 x Rear Wheel spare tyre
- ✓ 24 x Helmet

Charging Station

- ✓ Solar Panels install on the demonstration fale rooftop at TEC compound.
- ✓ 10 or more Waterproof sockets will be mounted to posts as indicated.
- ✓ The installation will also showcasing solar PV rooftop technology.



TEC Board Decision

- ✓ 7 x for TEC
- ✓ 2 x for Energy department
- ✓ 3 x available for the Public – to get a feel of e-motorcycle and forms develop and fill by people using the bikes.

Where up to Now

- ✓ In Auckland Port and will be on the next boat schedule to Tuvalu.



FAKAFETAI LASI