









The Solar-Powered Boat

for the Womens Club of Nakalawaca Village

Amelia Bola Maritime Greenhouse Gas Officer SPC WOMEN IN ENERGY CONFERENCE 5th October 2022 Holiday Inn, Suva







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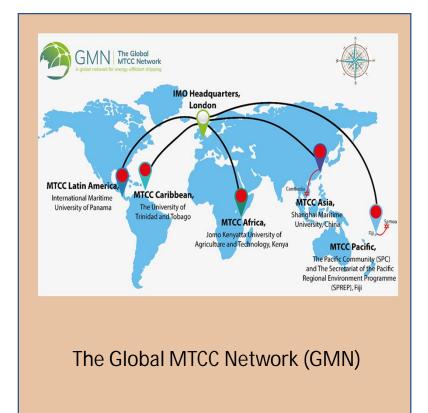




ABOUT MTCC-PACIFIC



MTCC PACIFIC
Maritime Technology Cooperation Centre









Project site - Nakalawaca village, Namara, Tailevu

150

Villagers

66

Females

47

Households:

- •33 corrugated iron
- •3 wooden
- •11 concrete

6

sub-committees that feed into the Village Council



NAKALAWACA WOMENS CLUB

A few members of the Womens Club preparing to perform a *meke* at the Official Launch of the solarpowered boat in April



Nakalawaca village, Namara District, Province of Tailevu







Solar-Powered Boat

- Vessel Details:
- 19 ft fibreglass boat fabricated by Silverwater Fibreglass Boats
- Torqeedo 20hp hybrid outboard electric motor
- 24-3500 battery power bank
- 8 x 200 W module solar panels(total charge capacity of 1.6kW) built on stainless steel canopy
- Shore fast charger
- Solar PV charge controllers
- 6 life jackets
- Additional compartments built onboard to store life jackets and other safety equipment
- Max speed 15knots



MV Matanitokalau Princess



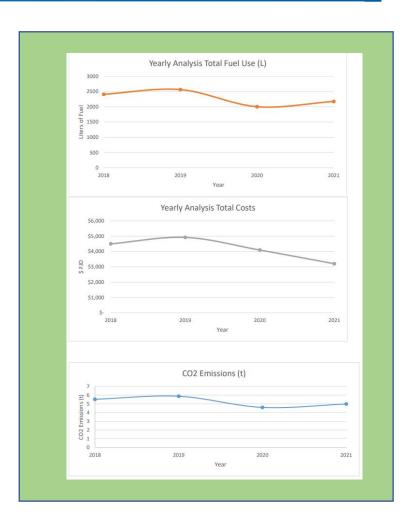




Savings (projected)



Yearly analysis		
Year	Total fuel use (L)	Total costs (FJD)
2018	2412.63	\$4,500
2019	2565.71	\$4,920
2020	2003.78	\$4,096
2021	2177.39	\$3,200
TOTAL	9,159.51	\$16,716
AVERAGE	2,289.88	\$4,179









Capacity Building & Training for Womens Club

- 1. BML Training
- 2. RME6 Training
- 3. GREENCO Operations & Maintenance



Women graduates of the BML/RME6 training conducted by MSAF, in collaboration with MTCC-Pacific







Lessons Learned – through a gender lens



Shifting local social norms



Establish responsibilities



Supplementary Upskilling

Data and Information







Synergising maritime and energy access for women

The missing link between women's economic participation and the maritime transport sector, required to enable sustainable development of the Pacific Islands, should be recognised as part of the energy and gender agenda.









Vinaka Vakalevu

