



# Completion Report

## Grant Title

NTWP00013 - NT Wide - Solar Replacement -

## Burrum Project Title

- Burrum House 1 Solar Power and Re Roof Project

## Description of work undertaken

House 1 Standalone System Replacement

Off-Grid Solar and Refit and Re-Roof

Solar Installation:

- Install 20 x 440W solar panels
- Install 25kWh x Lithium batteries.
- Install 1 x Victron Inverter Charger 5000.
- Install 1 x Victron MPPT RS450/100 solar regulator.
- Install 1 x control panel.

- Install 1 x load shedding main switchboard (metal enclosed) with a load shedding and indication panel to show battery state of charge and available appliances. Light indication and colour stickers will be on each application.

- Install 1 x enclosure for BESS in a powder-coated cabinet with forced ventilation.

- Provide 1 x manual instructions.
- Provide 1 x maintenance logbook.
- Provide 1 x training session for community members.
- Conduct 1 x test and commission, and provide a Certificate of Compliance (COC).

Inspection of Wiring and Testing on Houses:

- Replace wires where required and surface mount if applicable.
- Install new LED fittings.
- Allow for 1 new LED light, fan, and power point per room.
- Install lights and power in outdoor areas.
- Install 2 x outside LED flood lights.
- Install 1 x AC circuit with load shedding control.
- Install 2 x AC isolators for AC connection.



- Install 1 x appliance inlet and changeover switch.
- Install 1 x kitchen circuit for electric fry pan, etc.
- Install 1 x fridge and essential circuits.
- Provide 1 x training session for locals.
- Conduct 1 x test and commission, and provide a Certificate of Compliance (COC).

#### Re-Roof:

- Insulate corrugated iron Surf Mist, barge capping, and ridge capping, with cyclonic roof screws installed to C2 cyclonic region standards. Sisalation insulation.
- Remove old solar equipment and remove and refit hot water in the same location if applicable, ensuring no damage or pipe issues.

Remove and dispose of old equipment where required. Recycle and dispose of equipment according to local authorities and guidelines.



## Income & Expenditure

### Job Profit & Loss Statement

Attached in separate report Via Auditing Associate



**Images of works before and after,**

Old solar panels on house



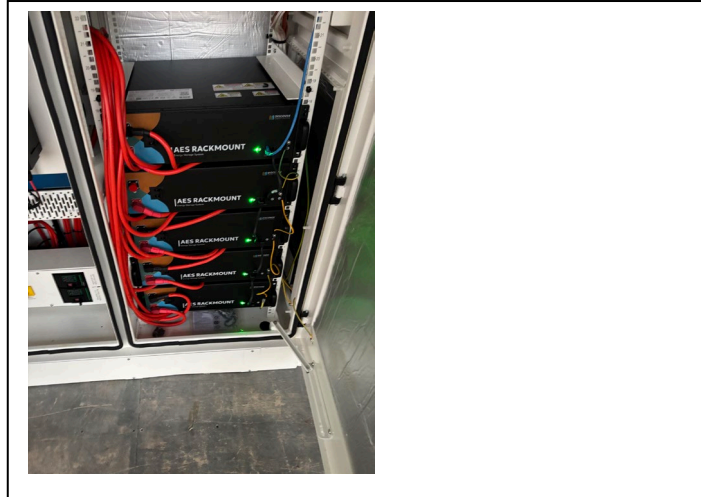
New solar



Old Battery bank



New BESS





Old solar connection



New switchboard and light indication panel for load



Removed old DB

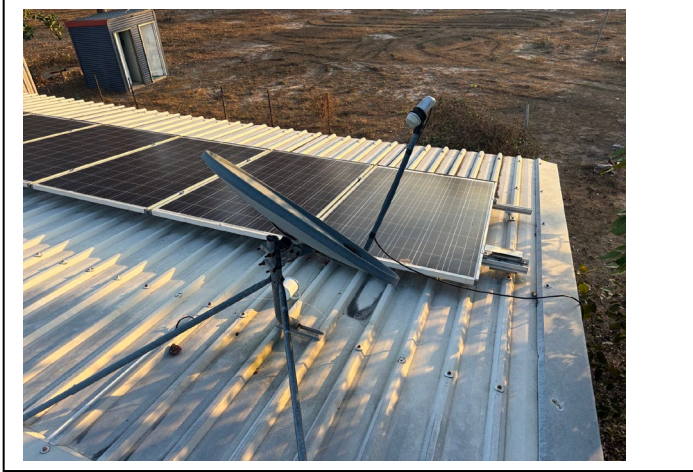


New fans and lighting





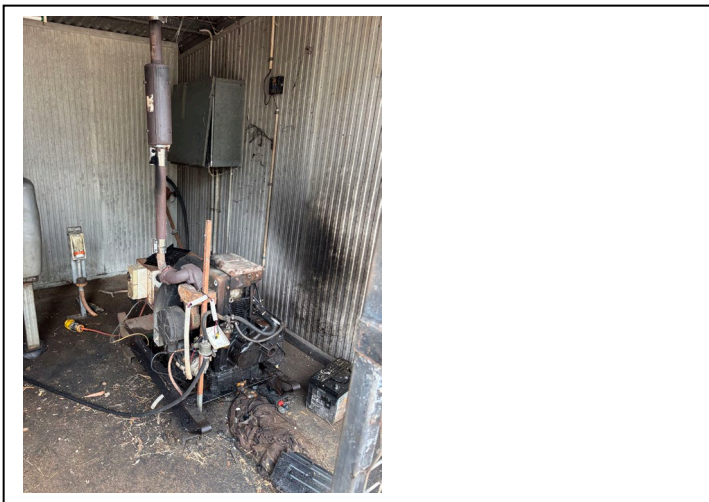
Old light Solar system and roof



New inverter enclosure



Old genset disconnected and made safe



Display and control

