

## European Solar and Energy Storage Solutions

# Norfolk Island newsun energy



## Overview

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Why is Norfolk Island transitioning to green energy?

Norfolk Island is transitioning to green energy to reduce its dependence on diesel-fired generation, which is becoming more expensive and more difficult to source as countries around the world seek to decarbonize their economies. This initiative is comprised of several interrelated elements: Project Background.

Does Norfolk Island have too much solar energy?

That's pretty impressive given its remoteness and a population of 1,849. But this uptake has also caused some headaches in managing Norfolk Island's electricity network, with too much solar energy goodness generated at times. The Tesla battery system installed in December 2020 has helped out on that front.

How much does electricity cost on Norfolk Island?

Electricity tariffs on Norfolk Island are dynamic and reflect the operation of the power system each and every half hour. Residents with a time-of-use meter pay and receive the dynamic tariffs. \$0.90 per day for daily supply charge.

Why is the government supporting the Norfolk Island community?

The Government is supporting the community to transition to a more sustainable and cost-effective power base. The remote location of Norfolk Island, compounded by freight and supply chain shortages on a global scale, means it was appropriate to look at temporary measures to address the significantly increased cost of power for consumers.

What does the \$200,000 subsidy mean for Norfolk Island?

The \$200,000 subsidy is an interim arrangement while Norfolk Island makes the transition to renewable power, supported by the Australian Government's \$5.3 million investment in improvements to Norfolk Island's electricity network

including the roll-out of solar infrastructure.

What is Norfolk Island's diesel-fired generation initiative?

This initiative is comprised of several interrelated elements: Project Background In 2022, the Commonwealth Government provided a \$5.25 million grant to Norfolk Island Regional Council to transition the island away from diesel-fired generation.

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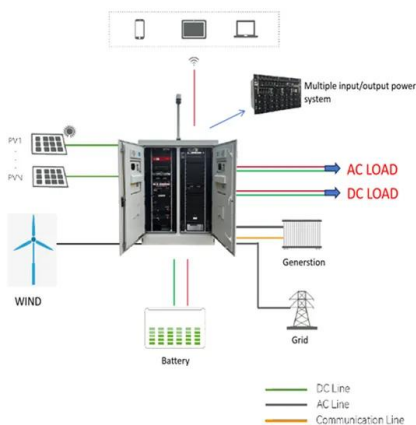


### Electricity

The current Energy supply on Norfolk Island consists of: 6 x 1.0MW diesel generators generating at 415 volts - 3 x CAT and 3 x Cummins gen-sets; Diesel fuel supply on site of approximately 90,000 litres; 4 x 750 KvA 415/6600 volt step-up transformers;

### Norfolk Island Electricity System Improvements and ...

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### Billing and BESY Energy , FAQs , Norfolk Island , BESY Energy

On Norfolk Island electricity is still largely generated by diesel generators. The tariff for this source of energy is 82 cents/kWh from 1 July 2024. However, the diesel generators can be turned off ...

### Sun Energy to acquire Merredin Solar Farm in ...

Sun Energy CEO Philip Lee said: "As a solar

power developer headquartered in Singapore, Sun Energy has been rapidly expanding its renewable energy portfolio in the region. "The Australian market is key for us, ...



- 50KW/100KWH
- HIGHER POWER OUTPUT IN OFF-GRID MODE
- CONVENIENT OPERATION & MAINTENANCE
- PRE-WIRED



## Norfolk Island News

Keep up to date with all the News and information from Norfolk Island. Private. Only members can see who's in the group and what they post. Visible. Anyone can find this group. History. Group created on June 17, 2009. See more. Norfolk Island.

## Norfolk Island Renewable Energy Program

In late 2021, Incite Energy were appointed to review the operations and systems within the Norfolk Island Regional Council (NIRC) electricity business unit (NI Electricity) and implement changes to transition the island to an electricity grid dominated by renewable energy, allowing electricity tariffs to be reduced.



## Norfolk Island Archives

Incite Energy's electrical engineer, Matias Valdes and Director of Decarbonisation, Kody Ponds are working alongside Norfolk Island Regional Council to carry out commercial survey and design studies on Norfolk Island for the rollout of BESY Energy commercial solar for NIRC utilities, which will benefit the whole community.



## Electricity Relief for Norfolk Island

The remote location of Norfolk Island, compounded by freight and supply chain shortages on a global scale, means it was appropriate to look at temporary measures to address the significantly increased cost of power for consumers.



PUSUNG-R (Fit for 19 inch cabinet)



## Our Energy Solutions , Island Power - Renewable energy for today

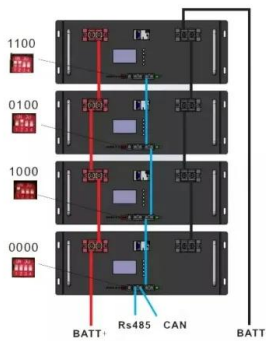
Island Power Solutions works in cooperation with governmental agencies, foundations, NGOs and with local businesses and communities to build a more sustainable future. We provide innovative renewable energy solutions, guaranteeing value to our clients through reliable and ...

## Reduced Diesel Consumption on Norfolk Island

It demonstrates that the transition of the island to renewable energy sources is not only already underway, but that it is already leading to positive change to alleviate energy costs for Norfolk Island residents, as well as bringing

positive outcomes for the environment.

**ESS**



**FAQs , BESY Energy**

Incite Energy, the team behind the BESY Energy Platform, are continuously engaged on Norfolk Island. We work closely with Norfolk Island Regional Council to hold workshops, information sessions, and ensure feedback mechanisms are in place to involve residents in the transition to a more sustainable energy future.

**Billing and BESY Energy , FAQs , Norfolk Island , BESY Energy**

On Norfolk Island electricity is still largely generated by diesel generators. The tariff for this source of energy is 82 cents/kWh from 1 July 2024. However, the diesel generators can be turned off when sufficient energy is stored in the central battery to provide a needed buffer.



**Home , NewSun Energy Group**

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## Norfolk Island Electricity System Improvements and Green Energy ...

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## Renewable energy solutions for today

We work with renewable energy production, management of waste residues and water treatment solutions, helping islands to reach carbon neutrality. With over 20 years of experience, Island Power Solutions is a specialized company of Universal Kraft, ...

## ENERGY BILL RELIEF ROLLING OUT TO NORFOLK ISLAND

Elsewhere in Australia, Energy Bill Relief is being delivered in partnership with the Australian Government by states and territories through their existing energy concession schemes. As Norfolk Island is a non-self-governing territory, separate arrangements have been established to deliver this much-needed relief to homes and businesses on island.



## Norfolk Island Green Energy Program

NIRC was successful in securing \$5.25 million dollars from the Commonwealth of Australia for the purpose of transforming Norfolk Islands



energy system over the next few years. Where will the money be spent? The Norfolk Island Green Energy Program includes: 1. The rollout of commercial sized solar and battery systems across multiple locations. 2.

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