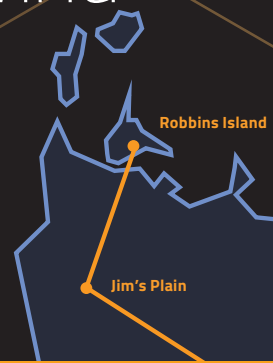


Robbins Island & Jim's Plain Wind

Renewable Energy from ACEN



Tasmania is the nation's leading renewable energy state and the Government has set a target to double the state's installed renewable generation capacity by 2040.

Robbins Island and Jim's Plain Wind will help Australia transition to a clean energy future, delivering low-cost renewable energy and jobs for Tasmania.

At a glance

\$1.6B construction value. One of the largest private investments ever in Tasmania



Up to **400** jobs at peak during construction



Up to **65** operational jobs for over 30 years



Installed capacity of up to **900MW**



\$600M into the Tasmanian economy during construction



\$300M in incomes during construction



\$32M into the Tasmanian economy each year, for 30 years during operations



\$17M in incomes each year, for 30 years during operations



Shared benefits with up to **\$900K** per year for 30 years to be invested in the region

Power **700k** homes a year



Offset **2.5M** tonnes of CO₂ emissions each year



Contribute to the realisation of Tasmania's renewable energy target **200%**

Acknowledgement of country

ACEN Australia acknowledges the custodians of the North West Nation clans of *Lutriwita* (Tasmania), in particular the *Parperloihener* (Robbins Island) clan.

We pay respect to those that have passed before us and to the Tasmanian Aboriginal community that continue to care for country.

Today, as we seek to harness Tasmania's renowned and abundant wind resources for energy today, we reflect on these unforgiving windy conditions of Tasmania's North West of which First Nations endured thousands of years ago.

We recognise the value of a better understanding of Aboriginal history and culture, and commit to meaningful participation with First Nations groups to support the protection of country, culture, and the development of their aspirations.



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Why we need Robbins Island and Jim's Plain Wind

Part of the solution to transition Australia to a clean energy future.



By generating more renewable energy in Tasmania for export to the mainland, we can help replace coal sooner and decarbonise the National Electricity Market (NEM).



Generating more low cost renewable energy will help lower power prices for all Tasmanians, with only excess power being exported to the mainland.



More renewable energy created in Tasmania will also help build a new green hydrogen industry for the state, offering more jobs for Tasmanians.

Improve security of supply

With the need to use less coal in Australia, there is opportunity for Tasmania to export more renewable energy to the mainland through Basslink and the proposed new Marinus Link into the National Electricity Market (NEM).

The NEM is an interconnected electricity system supplying power to millions of customers in Australia's eastern and southern states and territories. Excess electricity from Tasmania can be exported via these connectors to meet peak demand.

We are the nation's leading renewable energy state and the Government has set a target to double the state's installed renewable generation capacity by 2040.

Robbins Island and Jim's Plain Wind is one of the largest private investments ever to be made in Tasmania.

2. Vision and Priorities

The Tasmanian Government has identified renewable energy as a key economic driver for the future. The Tasmanian Renewable Energy Action Plan (TREAP) will see the Government's vision of a truly sustainable, prosperous 21st century Tasmania through job creation, helping our environment and driving investment and economic growth.

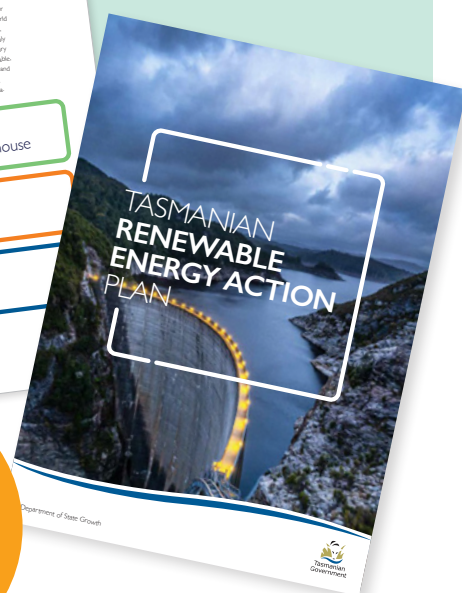
Tasmania is in a unique position as a leader in renewable energy given our history of development and our world class energy resources. In Tasmania we have the potential to build a truly sustainable, prosperous 21st century economy based on affordable reliable clean energy that will create jobs and also play a major role in reducing carbon emissions across Australia.

1 Transforming Tasmania into a global renewable energy powerhouse

2 Making energy work for the Tasmanian community

3 Growing the economy and providing jobs

Robbins Island and Jim's Plain Wind will contribute to the realisation of Tasmania's 200% renewable energy target and is aligned with the Government's renewable energy action plan vision and priorities.



In December 2020, the Government released the Tasmanian Renewable Energy Action Plan (TREAP) to support this target.

Source: https://renewabletasmania.tas.gov.au/_data/assets/pdf_file/0008/275876/Tasmanian_Renewable_Energy_Action_Plan_December_2020.pdf

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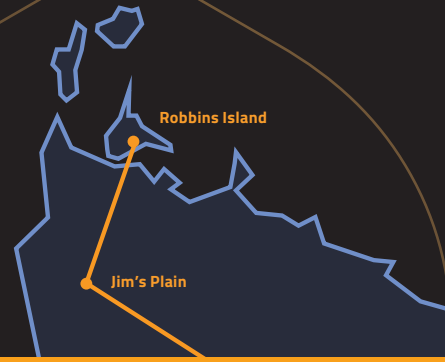
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About Robbins Island & Jim's Plain Wind

Quick stats

Robbins Island

- Up to 122 turbines
- Total capacity ~ 900 MW & 3000 GWh per annum
- Capital cost – \$1B
- Stage 1 – 68 turbines
- Stage 2 – 54 turbines (can only proceed if Marinus Link is developed)
- Under assessment – approval expected 2023

Jim's Plain

- Up to 31 turbines, ~ 160 MW of wind, 40 MW battery & 40 MW of solar
- Total capacity ~ 200 MW & 800 GWh per annum
- Capital cost – \$350M
- Approved – June 2020

Transmission line

- 115 km 220kV overhead line
- Capital cost – \$160M
- Under development – approval expected 2023

Supporting infrastructure

- 1.2 km bridge across Robbins Passage for access during construction and operations
- 500m wharf on the northeast side of the Island for delivery of turbine components and equipment



Supporting infrastructure

Bridge

A bridge across Robbins Passage will be built for access during construction and operations. An all-bridge design will preserve the natural assets of the area, while maintaining access for existing recreational activities.

The bridge will:

- Be approximately 1.2 km long
- Connect to the land on either side of Robbins Passage by concrete ramps
- Allow the free flow of water through Robbins Passage
- Be low in profile on the West Montagu side of the Passage, rising up on the Robbins Island side to allow vessels up to 5m in height to pass through at high tide
- Be single lane in width, constructed from steel and pre-cast concrete.

Wharf

To facilitate construction, a 500m wharf will be built on the North East of Robbins Island for the import of turbine components and equipment. This will also help to minimise impacts to local roads.

Transmission line

To deliver the renewable energy generated by Robbins Island and Jim's Plain Wind, a 115 km high-voltage transmission line will connect Robbins Island and Jim's Plain Wind to the Tasmanian electricity network.

The transmission route is being determined through studies and consultation with landholders, stakeholders and planning authorities. The final route will be subject to further consultation and planning and environmental approvals.

Detail

Robbins Island and Jim's Plain Wind involves the development of two wind projects in the Circular Head region of North West Tasmania.

Jim's Plain is located on a low undulating plateau approximately 10km inland from the Woolnorth Wind Farms, near Marrawah. Robbins Island is located on a privately owned island, about 20km from the town of Smithton and has some of the best wind resources on earth.

Up to 122 wind turbines will be installed on the western two thirds of Robbins Island, that will capture the dominant south-westerly winds in the region. Up to 31 wind turbines will be installed at Jim's Plain with the option to include solar photovoltaic panels and a battery.

Connecting to the electricity network

The energy generated will connect to a 115 km transmission line from Robbins Island to Hampshire and into the Tasmanian electricity network. Surplus power will be transmitted to mainland Australia via the existing Bass Strait interconnector, Basslink, and via a second interconnector known as Marinus Link.

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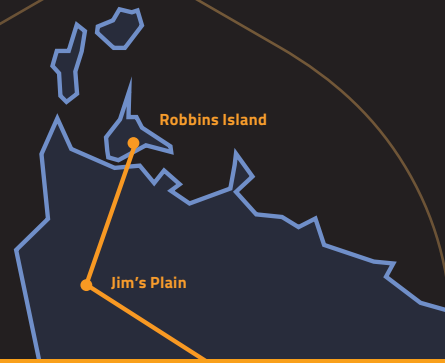
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Impact and benefit assessment

Robbins Island and Jim's Plain Wind requires approval from the Circular Head Council, the Tasmanian Environmental Protection Authority and the Commonwealth Government's Department of Climate Change, Energy, the Environment and Water.

For a number of years, we've been working closely with communities and stakeholders to understand the impacts and benefits associated with Robbins Island and Jim's Plain Wind. This includes complex technical and environmental studies.

Jim's Plain received planning approval in June 2020.

Robbins Island is under assessment by local, State and Commonwealth governments. The Development Application (DA) was first submitted for assessment in March 2020 but has since undergone a number of iterations in consultation with the State and Commonwealth Governments, as well as the Circular Head Council.

It seeks to provide an assessment of the project against relevant standards of the Circular Head Interim Planning Scheme. Key sections within the document include environmental impact summaries such as natural values, marine environment, traffic, visual and noise.

It also includes summaries related to social and economic impacts. We believe the DA provides an unprecedented level of information to inform Government decision making.

We believe Robbins Island and Jim's Plain Wind offers the right mix of benefits and opportunities for the Circular Head region and the State of Tasmania.



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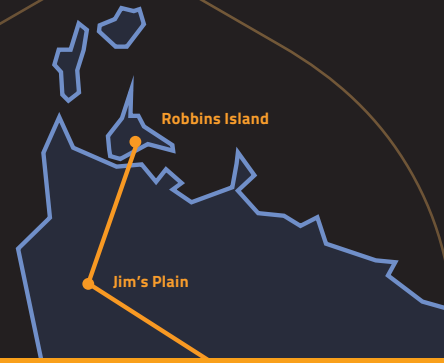
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We've designed Robbins Island Wind so that the Island's biodiversity is protected

Tasmanian devil



What we found

Our assessments showed that Robbins Island contains a healthy population of Tasmanian devils showing no sign of Devil Facial Tumour Disease.

Genetic testing also showed the Robbins Island population keeps contact with Tasmanian mainland devil populations.



What we've already done and plan to do

- Where possible, optimal areas of potential devil denning habitat have been excluded from the project area.
- The majority of the construction workforce will be bussed to and from the project site to minimise construction traffic and potential impacts to Tasmanian devils. Construction traffic will be focussed on daytime hours to reduce travel during dawn and dusk when the devils tend to be more active.



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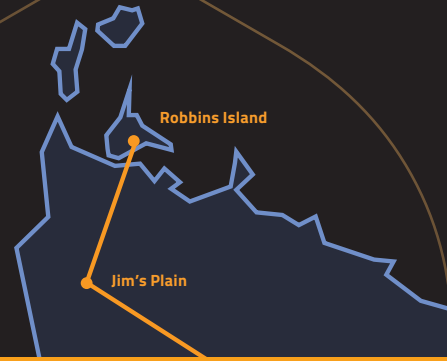
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We believe that with the right technology and management processes, eagles can co-exist with wind turbines

Eagles



What we found

Both the White-bellied sea eagle and the Tasmanian wedge-tailed eagle are found on Robbins Island. White-bellied sea eagles tend to favour the coastal areas, while Wedge-tailed eagles tend to use inland areas.



What we've already done and plan to do

- Turbines will not be located within 1km of nests.
- We are investigating the installation of camera and/or radar technology to reduce collision risks to eagles and other bird species.



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We believe that with the right design and management processes, shorebirds can co-exist with wind turbines

Shorebirds



What we found

There are diverse shorebird species that frequent the Boullanger Bay to Robbins Passage area. A significant number of the shorebirds feed and roost on the west coast of Robbins Island, which has been the subject of 20 years of bi-annual surveys by BirdLife Tasmania. The tidal flats in this area are an important summer feeding site for the migratory shorebirds, where they build up sufficient energy to fly back to the Northern Hemisphere.

Surveys along the coastline and over the island show that shorebirds fly the coastline and between the foraging areas of low tide and key roost sites at high tide.



What we've already done and plan to do

- Turbines will not be located within 500 metres of the entire coastline of the island.
- Turbines will not be located on the Northern-most end of the island where some shorebirds have been detected flying.



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Sharing in the benefits

As Tasmania embraces the opportunities a growing renewable energy industry brings, ACEN Australia understands the importance of sharing in the benefits that Robbins Island and Jim's Plain Wind can provide.

\$1.6B construction value. One of the largest private investments ever in Tasmania



Up to **400** jobs at peak during construction



Up to **65** operational jobs for over 30 years



\$600M into the Tasmanian economy during construction



\$300M in incomes during construction



\$32M into the Tasmanian economy each year, for 30 years during operations



\$17M in incomes each year, for 30 years during operations



Shared benefits with up to **\$900K** per year for 30 years to be invested in the region

Jobs and business

We have a commitment to employ and buy locally where we can so we can keep the benefits local. Our approach to maximising opportunities for local participation is centered on four key areas:



Prioritise the procurement of goods and services from local businesses



Encourage and facilitate future local business capability



Prioritise local employment



Encourage and facilitate future local employment through training and skills pathways

With such a significant construction investment, it is anticipated that there will be many opportunities for local Tasmanian businesses to be involved. Goods and services likely to be procured locally include:

- Accommodation and catering
- Engineering
- Construction materials and equipment
- Local labour
- Earthworks services
- Fencing and landscaping
- Environmental monitoring.

Due to the size of the project and the specialised skill set required, it is likely however that skilled workers from outside the region will also be required during the construction period.

Community benefit funding

We understand that community expectation for benefit sharing has shifted, and rightly so.

We also believe that benefit sharing goes beyond making cash-based contributions, and towards legacy investments delivered in partnership with communities.

Committed to establishing a community benefit scheme that will see up to \$900,000 per year (depending upon the total installed generating capacity) over the life of the projects distributed within the Circular Head and Waratah-Wynyard region.



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A generational project



Project lifecycle



**Phase 1
DEVELOPMENT**
5+ years

Technical, environmental, cultural, social and economic assessments to inform approvals and permitting



**Phase 2
CONSTRUCTION**
5+ years

Construction of wind farm and associated infrastructure



**Phase 3
OPERATIONS**
30+ years

Wind farm operational and generating renewable energy

ACEN Australia

ACEN has been a partner of UPC Renewables in Australia since 2018. In 2021, ACEN began a transaction to eventually own 100% of UPC\AC Renewables by early 2023; with this transaction, the company is now called ACEN Australia. This marks a strategic pivot for ACEN as it embarks on its first wholly owned development and operations platform outside of the Philippines.

ACEN Australia includes several solar, wind, battery, pumped hydro and energy storage projects across New South Wales, Tasmania, Victoria and South Australia in development and construction. With 50+ employees and growing, our people are located in Tasmania, New South Wales, Queensland and Victoria.

ACEN Australia is majority-owned by ACEN Corporation, a subsidiary of the Ayala corporation, one of the largest and most diversified conglomerates in the Philippines, with interests in real estate, banking, water, power, infrastructure, healthcare, and education. Both are publicly-held companies listed on the Philippine Stock Exchange

ACEN has ~3,700 MW of attributable capacity in the Philippines, Vietnam, Indonesia, India, and Australia. The company's renewable share of capacity is at 93%, among the highest in the region. ACEN's aspiration is to be the largest listed renewables platform in Southeast Asia, with a goal of reaching 5,000 MW of renewables capacity by 2025. In October 2021, ACEN announced its commitment to achieve net-zero greenhouse gas emissions by 2050.

While the UPC\AC Renewables name and brand has changed, its highly capable Australian team remains the same. ACEN's strong Environmental, Social, and Governance (ESG) performance underpins its interactions with its employees and partners, the communities we are part of and the environment that we all share. The Australian team will continue its work in contributing to Australia's transition to a clean energy future.

Creating value

The transition to ACEN Australia brings with it opportunity to create greater shared value. ACEN's aspiration to be a leading renewable energy provider is driven by its goal to create value that benefits society, its employees and shareholders. Sustainability is at the core of its business, and it is integrated into the way they do things.

Its Sustainability Framework is built on three focus areas embedded across its business operations, governance, and culture, and guided by its Environmental & Social (E&S) Policy.



A low carbon portfolio by 2030

As ACEN ramps up its renewable energy investments, it aims to fully divest its coal assets by 2030.



Protecting the environment

The protection and management of ecosystems are a critical component of ACEN's sustainable development strategy.



Community investments


ACEN's sustainability initiatives support the development and prosperity of its host communities.

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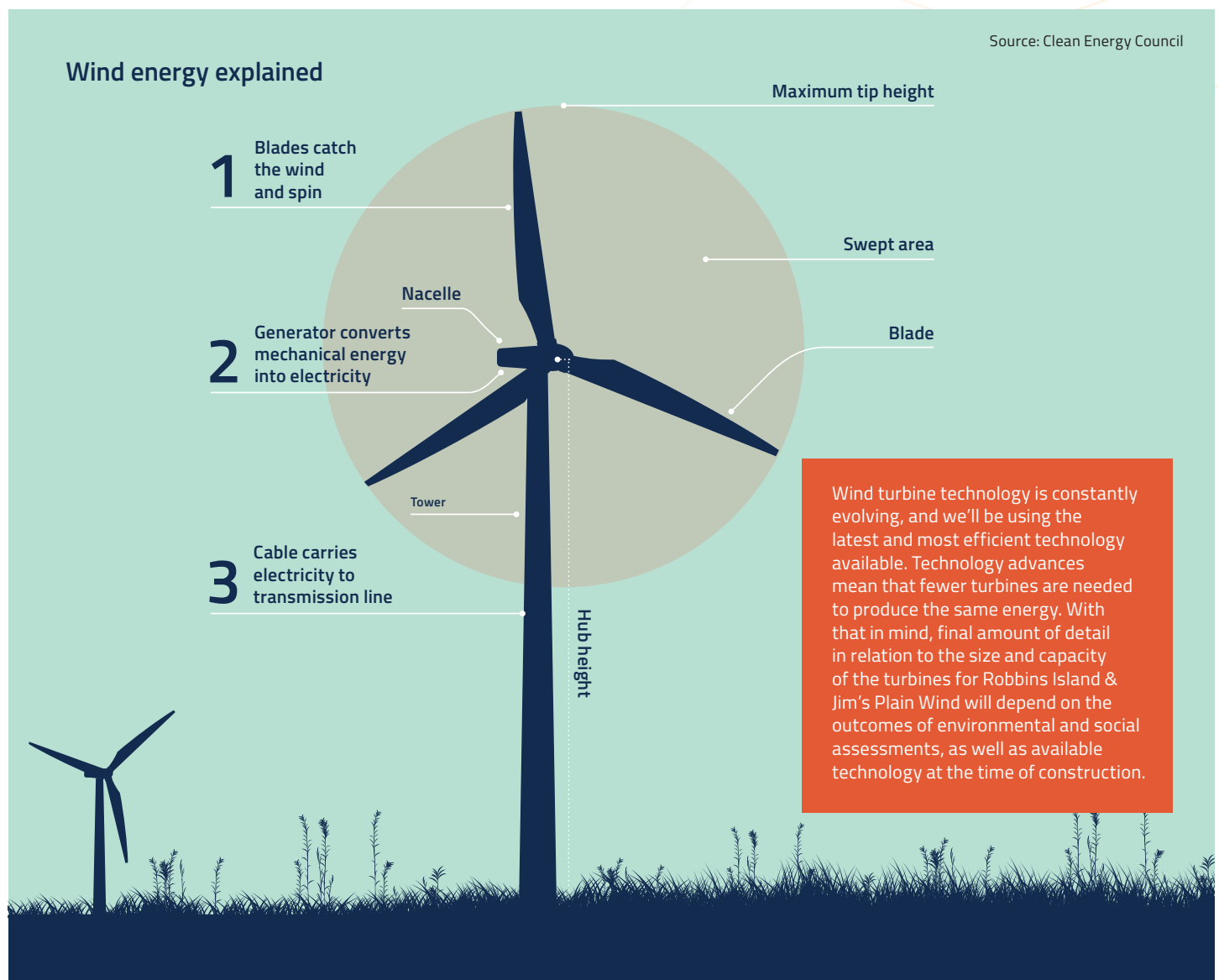
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Wind power and turbine technology

Wind power is currently among the cheapest sources of large-scale renewable energy. It involves generating electricity from the naturally occurring power of the wind. Wind turbines capture wind energy within the area swept by their blades. The spinning blades drive a generator that produces electricity for export to the grid.



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