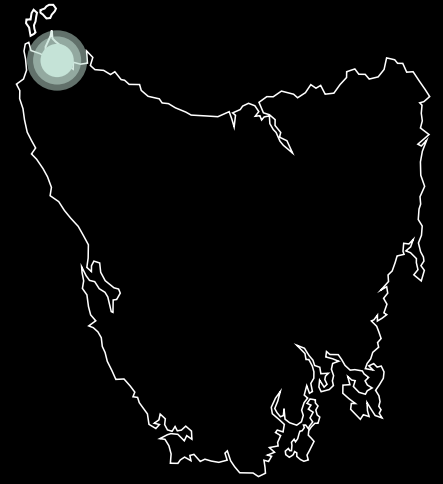


Robbins Island & Jim's Plain Wind

Renewable Energy from ACEN



Project Introduction



At a glance

Robbins Island & Jim's Plain Wind will help Australia transition to net zero emissions, enable new green industries, and deliver low-cost renewable energy and jobs for Tasmania.



\$3B
project
development cost



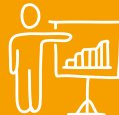
3-4 year
construction
stage



Up to **65**
operational
jobs for
over 25 years



\$32M
into the Tasmanian
economy each year during
25 year operations stage



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



Offset
8.1M
tonnes of CO₂ emissions
over 25 years



Up to **\$900,000**
each year of operations for
local community benefits
sharing initiatives



Enables electrified
transport and
future green fuels



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



Installed
capacity
of up to
900 MW



Supports our
growing demand
for clean energy



At least **\$600M**
into the Tasmanian
economy during
construction

Tasmania's growing need for clean energy

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

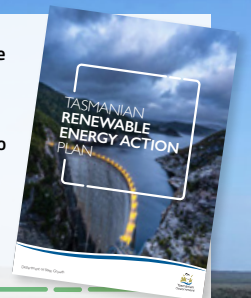
Increasing clean energy production will also enable Tasmania to electrify its transport sector, homes, and transition industrial sectors reliant on natural gas and diesel to future green fuels like green hydrogen and green ammonia.

Robbins Island & Jim's Plain Wind will contribute **up to 30%** of the renewable energy required to achieve **Tasmania's 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.

Vision and priorities

- 1 **Transforming Tasmania** into a global renewable energy powerhouse
- 2 **Making energy work** for the Tasmanian community
- 3 **Growing the economy** and providing jobs



ACEN Australia acknowledges the First Peoples of Lutruwita (Tasmania), who were and are the keepers of cultural and spiritual knowledge and traditions. We acknowledge the North West Nation clans in particular the *parperloihener* clans people who lived in the areas where the Robbins Island & Jim's Plain Wind project is proposed. ACEN Australia commits to undertaking meaningful engagement with Aboriginal organisations to support the protection of country and culture, and the development of their aspirations.

About the project

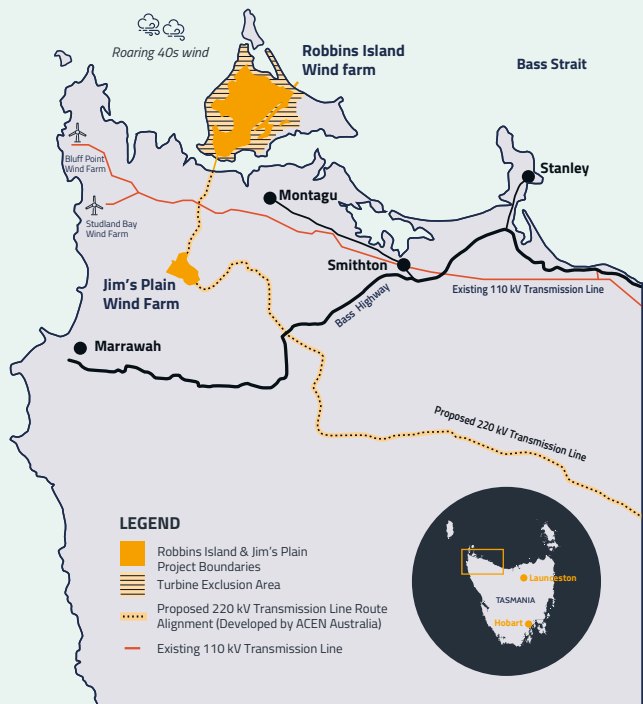
Robbins Island & Jim's Plain Wind involves the development of two wind projects and a transmission line in the North West region of Tasmania.

At full development of 900 MW it will be one of the largest private investments ever for Tasmania, taking 3-4 years to construct with up to 400 workers employed at peak construction. Up to 65 ongoing jobs will be created through the 25 year operations stage.

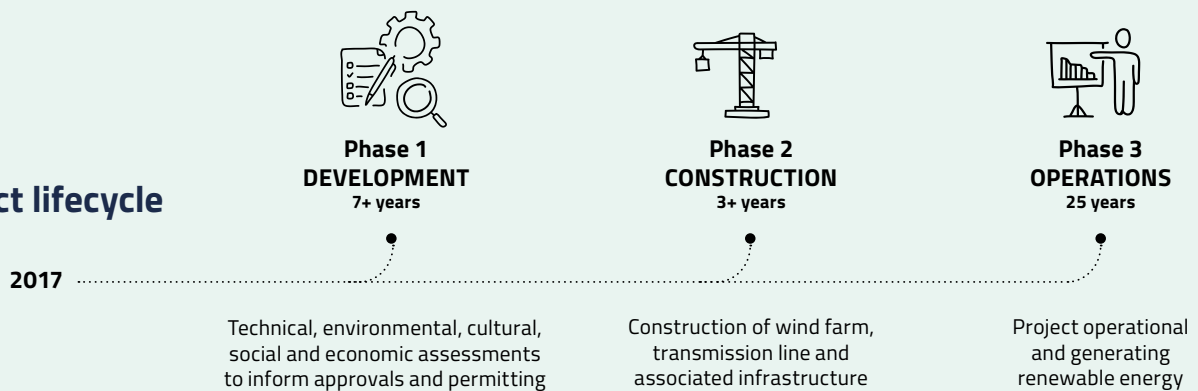
Through jobs and procurement, the project is expected to generate at least \$600M into the Tasmanian economy during construction, and more than \$30M each year during operations.

The energy generated will help lower power prices for Tasmanians and help supply new and existing industries that are not able to get power.

Only excess power will be exported to the mainland via the existing Bass Strait interconnector, Basslink, and a second interconnector known as Marinus Link.



Project lifecycle



The North West region has some of the best wind resources in the world, making it an ideal area for wind energy projects.

Robbins Island Wind is located on agricultural land used to farm cattle on privately owned Robbins Island, about 20 km from the town of Smithton. Up to 100 wind turbines will be installed on the western two thirds of Robbins Island, that will capture the dominant south-westerly winds in the region.

Jim's Plain Wind is located on an undulating plateau approximately 12 km south of Robbins Island. Up to 19 wind turbines will be installed at Jim's Plain with the option to include solar photovoltaic panels and a battery energy storage system.

The transmission line connects both wind farms to the high-voltage transmission network at Hampshire, 30 km outside of Burnie.

Robbins Island Wind Farm

- Up to 100 turbines
- Generation capacity ~720 MW
- Capital cost ~\$2.3 billion
- Turbine tip height maximum is 212 m

Jim's Plain Wind Farm

- Up to 19 turbines
- 40 MW Battery Energy Storage System
- Option for 40 MW solar farm approved
- Generation capacity ~180 MW
- Capital cost ~\$350 million
- Turbine tip height maximum is 220 m

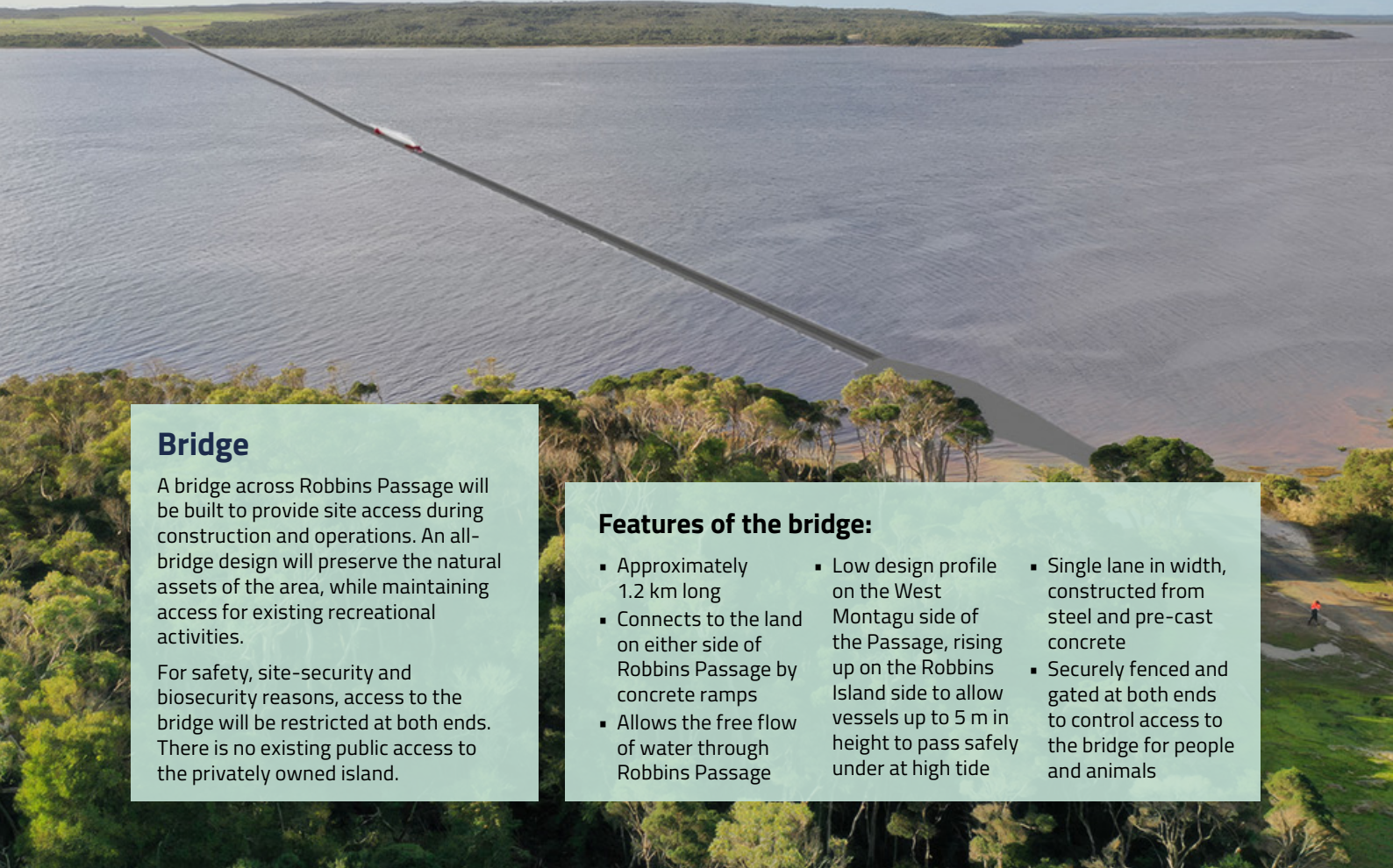
Transmission line

- 120 km of 220 kV double circuit overhead transmission line
- 265 towers
- 60 m wide easement
- Capital cost ~\$360 million

Supporting infrastructure

- 1.2 km bridge across Robbins Passage providing access during construction and operations
- Wharf on North East side of the island for delivery of components and equipment during construction and operations

Supporting infrastructure



Bridge

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

For safety, site-security and biosecurity reasons, access to the bridge will be restricted at both ends. There is no existing public access to the privately owned island.

Features of the bridge:

- Approximately 1.2 km long
- Connects to the land on either side of Robbins Passage by concrete ramps
- Allows the free flow of water through Robbins Passage
- Low design profile on the West Montagu side of the Passage, rising up on the Robbins Island side to allow vessels up to 5 m in height to pass safely under at high tide
- Single lane in width, constructed from steel and pre-cast concrete
- Securely fenced and gated at both ends to control access to the bridge for people and animals

Wharf

To facilitate construction, a 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.

Features of the wharf:

- Up to 500 m long
- Designed to receive barge vessels carrying large components like turbine blades
- Built of steel and pre-cast concrete
- Will remain throughout the 25 years operational stage to facilitate ongoing maintenance and decommissioning
- Access to the island is restricted so the wharf is not intended to be for public use



Proposed Transmission Line

Connecting to the electricity grid

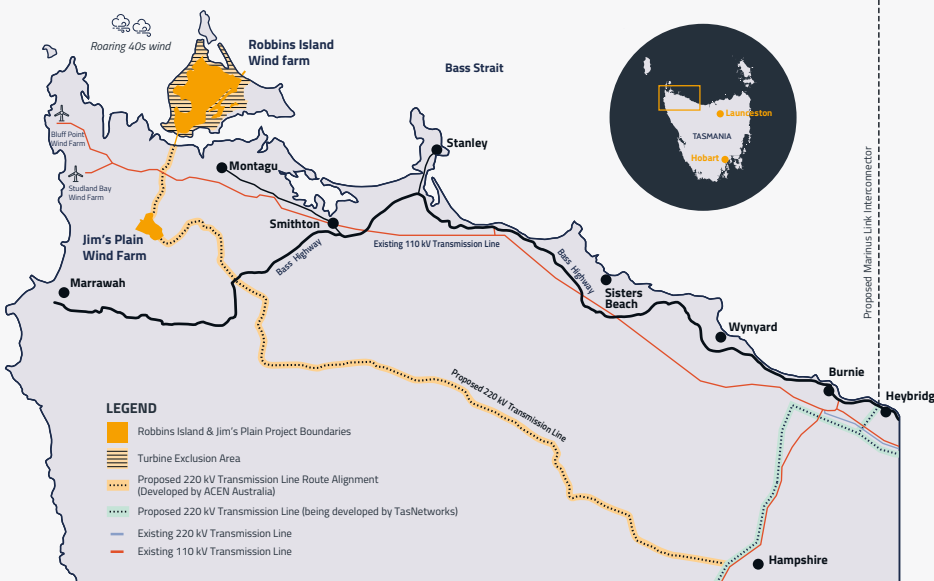
A new transmission line is required to connect Robbins Island & Jim's Plain Wind to the electricity network.

The existing 110 kilovolt (kV) transmission infrastructure in North West Tasmania, connecting the Bluff Point and Studland Bay wind farms, lacks the capacity to support new energy generation. To address this, ACEN Australia is developing a new 220 kV double-circuit overhead transmission line. This transmission line will carry renewable energy from Robbins Island & Jim's Plain Wind to the network near Hampshire, 30 km outside of Burnie.

At Hampshire, it connects to the high-voltage electricity network supplying power to homes, businesses and industries across Tasmania. Any surplus energy is then exported to mainland Australia via existing and future Bass Strait under-sea electricity cables called interconnectors. ACEN Australia's strategic investments in Tasmania's power infrastructure are essential for meeting the State's growing demand for affordable clean electricity and supporting the national transition towards a clean energy future.

The proposed transmission line alignment traverses an inland route through predominantly commercial forestry land and was chosen in consultation with landholders to minimise impacts to landholders, communities, and the environment.

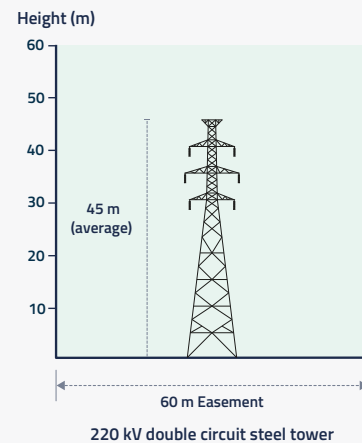
Proposed transmission line route



What will be built?

A double circuit 220 kV overhead transmission line 120 km long to be constructed and located within a 60 m easement. The conductors will be strung on steel lattice towers.

Typical transmission easement configuration*



* Indicative easement configuration only. Easement width and tower height / design will vary depending on specific location.

Project approvals

Robbins Island & Jim's Plain Wind and the supporting transmission line connection to the grid require 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 (DCCEEW).

- Jim's Plain wind farm received all State and Federal environmental and planning approvals in 2020.
- Robbins Island wind farm received Tasmanian environmental and planning approval in late 2022 with a five month shutdown condition that made the project unviable. This condition was removed by Tasmanian Civil and Administrative Tribunal (TASCAT) in late 2023.
- The Federal environmental approvals decision is expected in 2024.
- The transmission line development is being assessed in 2024 with an approvals decision anticipated in 2025.

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.

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.

The transmission line environmental impact draft assessment has been submitted for comment by the regulators and is likely be put on public exhibition later in 2024.

Approvals process



Surveys and assessments

We have worked closely with communities and stakeholders to understand the impacts and benefits associated with Robbins Island & Jim's Plain Wind. This includes complex technical and environmental studies.

Technical assessments and surveys undertaken since 2018 inform the project design and environmental and heritage assessment process. The findings of these assessments and any mitigations and measures required to protect environmental and heritage values are published in the Development Proposal and Environmental Management Plan which is publicly available. Through the project development and environmental impact assessment process which includes consultation with regulators and other stakeholders, ACEN Australia is able to build a clear picture of the ecological and heritage values present in and around the project area. These studies inform the project design to ensure the project can be built and operated in an environmentally and socially responsible manner.

Surveys and technical assessments for Robbins Island & Jim's Plain Wind and the transmission line included:

Environmental studies

- Flora and vegetation communities
- Terrestrial fauna
- Avifauna
- Freshwater aquatic ecology
- Marine environment
- Marine hydrodynamics
- Geoconservation
- Karst and geomorphology
- Hydrogeology
- Roadkill

Planning assessments

- Visual impact
- Shadow flicker
- Socio-economic/economic
- Aviation
- Traffic
- Electronic magnetic interference
- Noise

Cultural assessments

- Aboriginal heritage
- Historic heritage

Protecting Robbins Island biodiversity

The project proposal has been carefully designed to protect the Island's biodiversity

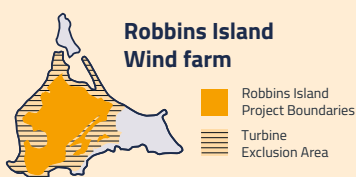
Surveys undertaken since 2018 as part of the project development and environmental impact assessment process provide a clear picture of the ecology present in and around the project area. This data and our engagement with environmental regulators at the State and Commonwealth level enabled ACEN Australia to develop a project proposal that will minimise impacts to the environment and protect the Island's biodiversity.

Shorebirds

We have carefully considered the diverse shorebird species that frequent the Boullanger Bay - Robbins Passage area to ensure the project will not impact their habitat. This is achieved by creating a buffer zone around the entire coastline of Robbins Island and avoiding areas utilised by shore birds. Shorebirds feed and roost on the west coast of Robbins Island, which has been the subject of 20 years of biannual surveys. 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.

Measures to protect shorebirds include:

- 500 metre turbine exclusion zone buffer around the entire island coastline
- Project area avoids the northern end of the Island



Tasmanian devil

Our assessments reveal that Robbins Island contains a healthy population of Tasmanian devils showing no sign of Devil Facial Tumour Disease at present. Genetic testing also showed the Robbins Island population keeps contact with Tasmanian mainland devil populations. Individual devils can and do cross to and from the Island over the sand-flats at low tide, as evident by a devil with a tag from Woolnorth being located on Robbins Island.

Measures to protect devils include:

- Exclusion zones to protect optimal devil denning habitat
- Minimise traffic on roads by utilising buses during construction to transport workers to site each day and barge deliveries of components via the wharf
- Minimise construction traffic at dawn and dusk periods when devils and other wildlife are most active



Eagles

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.

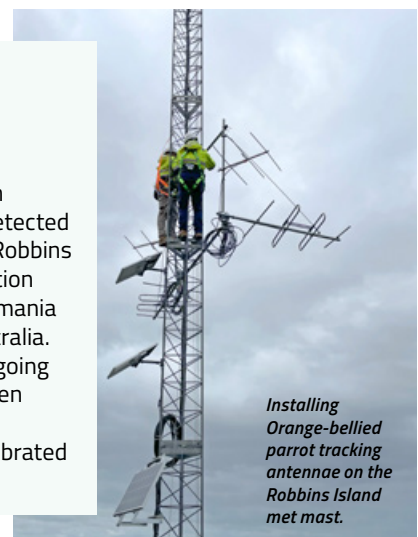
ACEN Australia supports ongoing research by the University of Tasmania (UTAS) to better understand the Tasmanian wedge-tailed eagle population by participating in the GPS tracking program.

Measures to protect eagles include:

- Exclusion zones to protect eagle nests
- Installation of a cutting edge AI detection and curtailment system
- Ongoing Sponsorship of Raptor Refuge Wildlife Sanctuary and Raptor Rehabilitation Centre

Orange-bellied parrot tracking program

Radio tracking equipment installed by ACEN Australia as part of the Tasmanian Government's radio tracking program detected Orange-bellied parrots off the coast of Robbins Island during their 2023 northern migration from Melaleuca in the southwest of Tasmania to the southeast coast of mainland Australia. The government tracking program is ongoing and additional tracking stations have been installed for the 2024 migration. ACEN Australia's tracking station has been calibrated in readiness for this year's migration.



Jobs and business



We have a commitment to employ and buy locally where possible 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 local businesses for goods and services



Encourage and facilitate future local business capability



Prioritise local employment



Encourage and facilitate future local employment through training and skills pathways



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



Up to **65** operational jobs for 25 years



\$3 Billion construction value

There will be many opportunities for local businesses. Goods and services that may be procured locally include:

Civil works and materials	Professional, trade & technical services	Project support services
<ul style="list-style-type: none"> Fencing Quarry supplies Concrete batch, transport, pour Plant and equipment hire Minor civil works and access tracks 	<ul style="list-style-type: none"> Surveying Land valuation Specialist engineering/fabrication solutions Heavy and/or light vehicle repair Electrical/mechanical Landscaping/rehabilitative work Arborist and vegetation clearing Environmental monitoring Civil construction workforce Plant and machinery operators 	<ul style="list-style-type: none"> Accommodation Construction materials, work consumables & PPE Potential camp site and laydown areas Catering services Storage facilities Security Transport (e.g. materials, equipment and/or workforce) Traffic management

Community benefit sharing

ACEN Australia's Social investment program

Social investment is our voluntary contribution to communities.

When Robbins Island & Jim's Plain Wind is operating, ACEN Australia is committed to a voluntary community benefit scheme that could see up to \$900,000 per year (depending upon the total installed generating capacity) distributed within the Circular Head and Waratah-Wynyard region annually over the 25 year operational stage of the project.

ACEN Australia's Social Investment Program (SIP) provides funding for initiatives and partnerships that contribute to building thriving and resilient communities and economies. Preference for funding is given to activities that deliver benefits in at least one of ACEN's value areas. Our approach to social investment is aligned with the United Nation's Sustainable Development Goals.

VALUE Community enhancement and resilience

FOCUS Activities that enhance communal lives, cohesion, and resilience through improved access to technologies and economic opportunities.



VALUE Education and work

FOCUS Activities that provide or enhance education, training and employment resources and opportunities.



VALUE Reconciliation

FOCUS Activities that address Indigenous disadvantage, promote shared understanding, and respect for culture, and promote reconciliation.



VALUE Environment

FOCUS Activities that support communities to improve environmental resilience and stewardship.



Up to **\$900,000*** each year invested in local community benefit sharing initiatives aligned with ACEN's value areas including:



Environmental resilience and stewardship



Reconciliation and addressing indigenous disadvantage



Community enhancement and resilience



Education and work opportunities

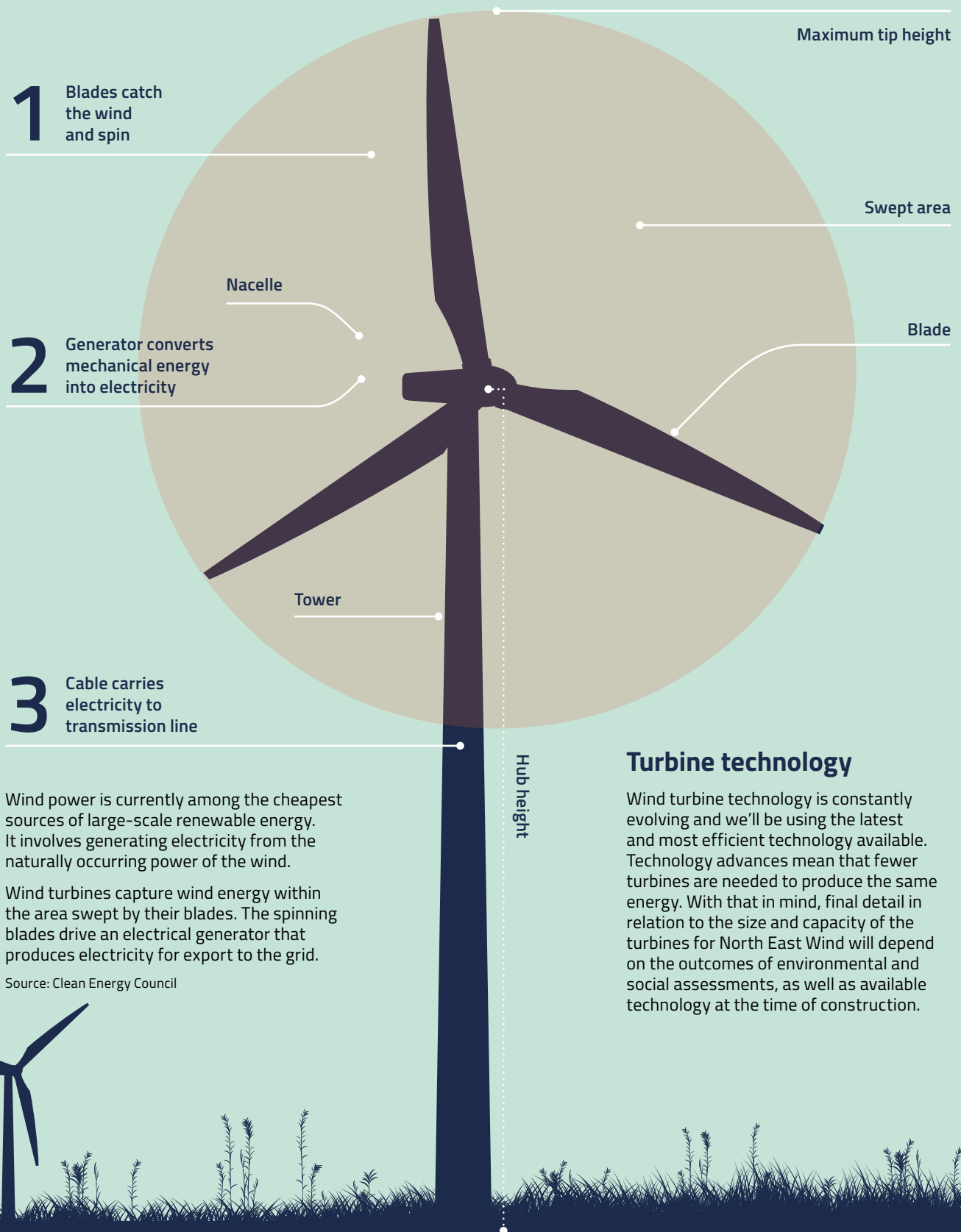
Organisations we partner with and support include:

- Not-for-profit organisations and charities
- Incorporated community based organisations
- Social enterprises, including indigenous organisations
- Government entities and for-profit organisations where community benefit can be demonstrated

* Annual community benefit sharing contribution begins during construction stage and is determined by the final installed generation capacity (MW) of the project based on \$1,000 per MW each year of operation.

Wind power and turbine technology

Wind energy explained



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 an electrical generator that produces electricity for export to the grid.

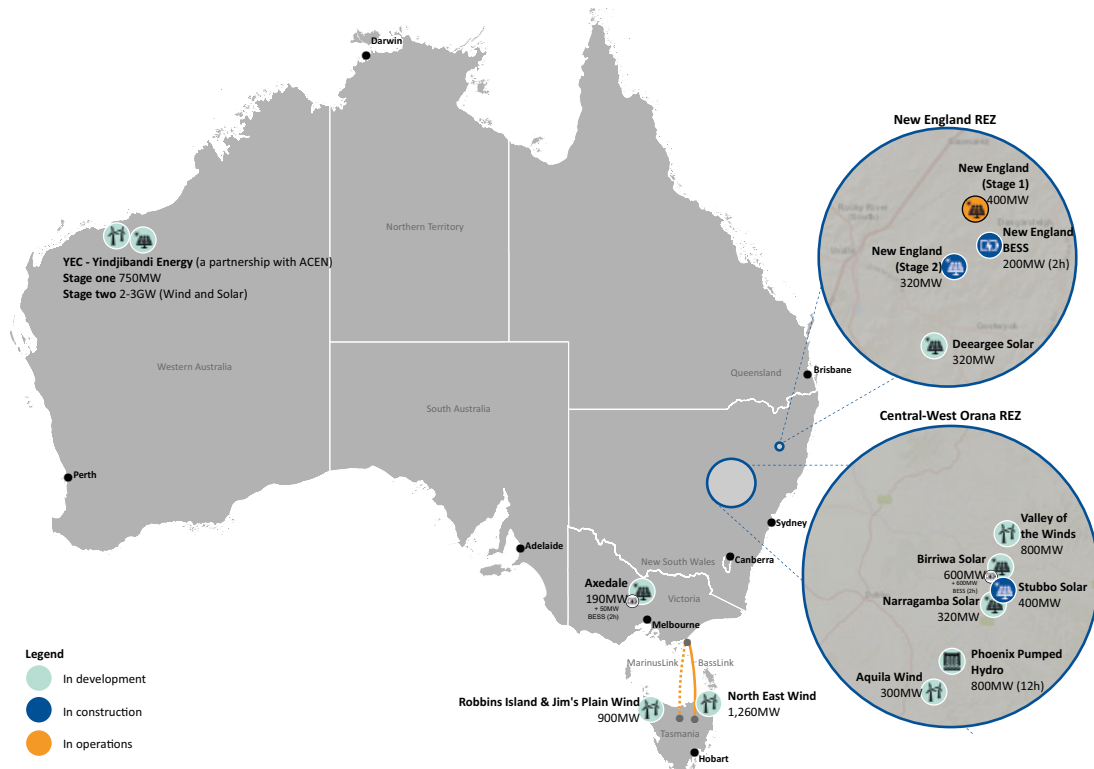
Source: Clean Energy Council

Turbine technology

Wind turbine technology is constantly evolving and we'll be using the latest and most efficient technology available. Technology advances mean that fewer turbines are needed to produce the same energy. With that in mind, final detail in relation to the size and capacity of the turbines for North East Wind will depend on the outcomes of environmental and social assessments, as well as available technology at the time of construction.



About ACEN Australia



At ACEN Australia, we develop, construct and operate large scale renewable energy projects, helping Australia transition to a clean energy future.

We have more than 1 GW capacity of large scale renewable energy in construction and operation, and more than 13 GW of capacity in the development pipeline. Our portfolio includes solar, wind, battery and pumped hydro projects across Australia.

New England Solar (Stage 1) in NSW is ACEN Australia's first operational project. It is one of Australia's largest solar projects participating in the National Electricity Market (NEM).

Stubbo Solar in the NSW Central-West Orana Renewable Energy Zone (REZ) is ACEN Australia's second project, which commenced construction in late 2022 and is due to be operational in early 2025.

ACEN

ACEN Australia is a wholly owned subsidiary of ACEN, the listed energy platform of the Ayala group. The company has ~4,200 MW of attributable capacity from facilities in the Philippines, Vietnam, Indonesia, India, and Australia. 2021 saw the integration of international assets into ACEN and its transformation from a Philippine focused energy provider into a significant regional renewable energy provider in the Asia Pacific.

Learn more at: www.acenrenewables.com

Ayala

Founded in 1834, Ayala Corporation is one of the largest companies in the Philippines with core interests in real estate,

banking, water, telecommunications, and power. It also has emerging enterprises in infrastructure, healthcare and education. In addition, Ayala's corporate social responsibility programs are managed under the Ayala Foundation.

Learn more at: www.ayala.com

Creating value

ACEN's aspiration is to be the largest listed renewables platform in Southeast Asia, with a goal of reaching 20 GW of renewables capacity by 2030. Our strong Environmental, Social and Governance (ESG) performance underpins our interactions with employees, partners, and with the communities we are a part of.

Learn more at: www.acenrenewables.com/sustainability/esg/



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.

Robbins Island & Jim's Plain Wind

Renewable Energy from ACEN

Engagement, contact and feedback


Understanding community views

We want to make an enduring and positive contribution in North West Tasmania.

To achieve this, we work closely with host landholders, neighbours, Aboriginal partners and the wider community to help us gain a detailed understanding of the benefits and impacts associated with the project.

We want the project to be a valued and long-term part of the local community for decades to come.

Contact us

 1800 879 088

 info@robbinsislandwind.com.au

 robbinsislandwind.com.au

Keep up to date

