North East Wind

Renewable Energy from ACEN

Transmission Development

ACEN | Australia

Why do we need North East Wind?

North East Wind involves the proposed development of a large-scale wind farm located on agricultural land in the Dorset municipality in North East Tasmania.

The project will be developed across two clusters, Waterhouse in the west and Rushy Lagoon in the east. North East Wind was declared a Major Project in 2022.

With a generation capacity of up to 1,260 megawatts, North East Wind includes the construction of up to 210 wind turbines, and a transmission line to connect to the State and National electricity network.

At a glance

North East Wind will help Australia transition to net zero carbon emissions, delivering low-cost renewable energy and jobs for Tasmania.

$4B construction value

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

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

Power **700,000** homes each year

Offset **2.5M** tonnes of CO_2 emissions each year

Shared benefits through **COMMUNITY** benefit funding

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

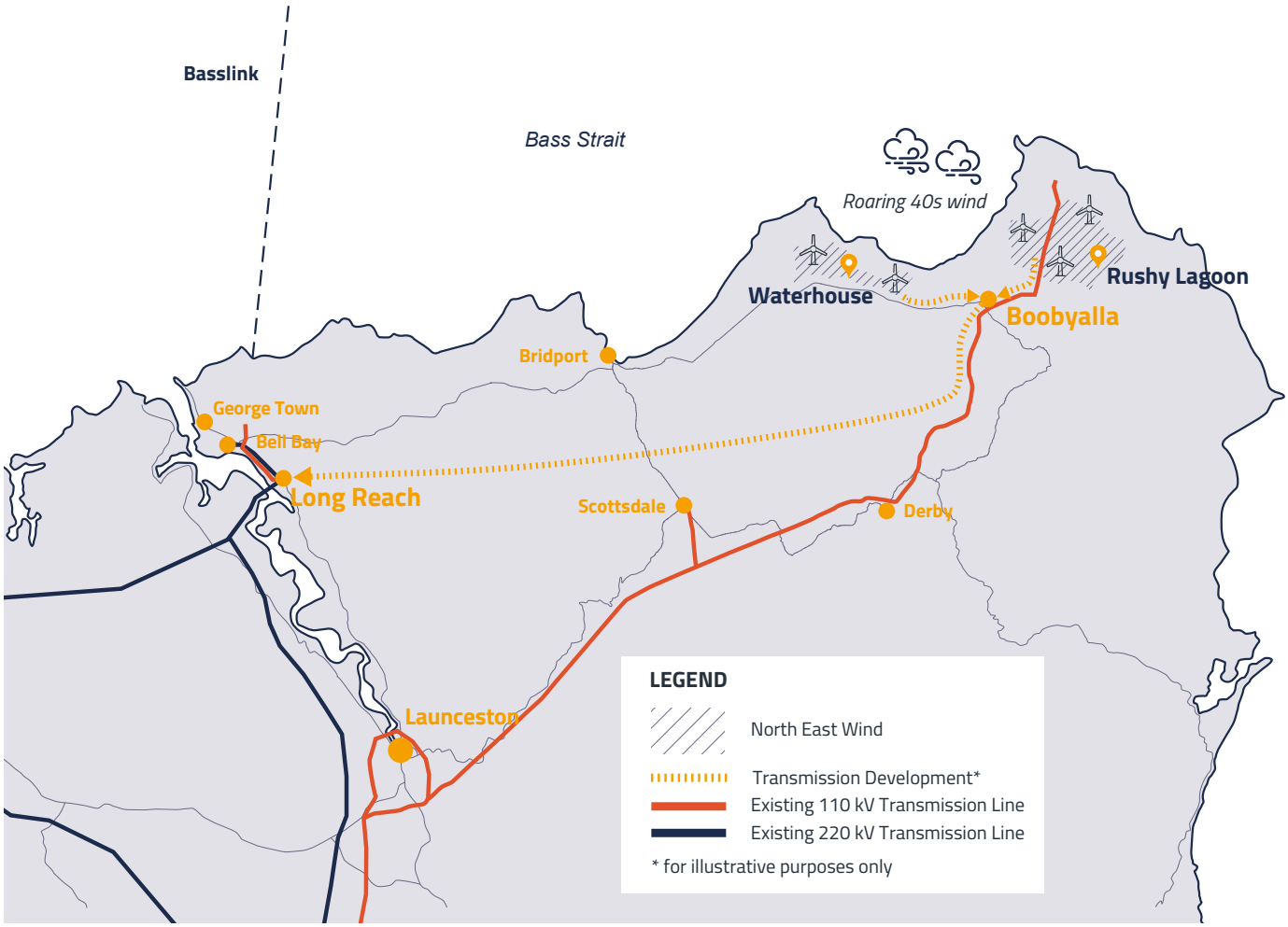
Installed capacity of up to **1,260MW**

Employ and buy **LOCAL** commitment

Enables electrified transport and future green fuels

Supports our growing demand for clean energy

ACEN Australia acknowledges the First Peoples of Tasmania, their elders past and present, who were and are the keepers of cultural and spiritual knowledge and traditions. We acknowledge the *pairrebeenner* clanspeople who lived in the North East area known as *tebrakunna* on which the proposed North East Wind project is located. ACEN Australia commits to undertaking meaningful engagement with Aboriginal organisations to support the protection of country and culture, and the development of their aspirations.



Proposed Transmission Development

In order to connect new renewable energy generation to the network to support our growing need, transmission infrastructure is required to transport the electricity.

North East Wind will capture a world class wind resource and generate low-cost green electricity. It will connect to the existing high voltage 220 kV transmission network near George Town and the Bell Bay Advanced Manufacturing Zone, a centre of high electricity demand, including potential future green hydrogen at Bell Bay.

Existing transmission infrastructure in north east Tasmania cannot support new energy generation. A new transmission line will need to be constructed.

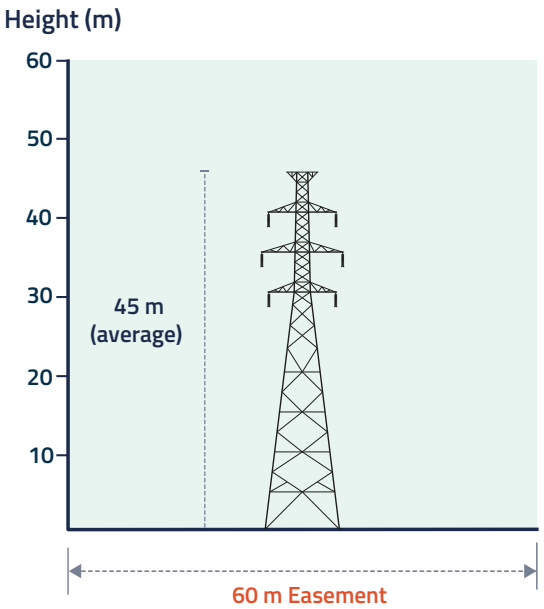
A study corridor has been identified for a transmission line that will connect the two clusters of North East Wind at Waterhouse and Rushy Lagoon to a switching station at Boobyalla. From here, the corridor will follow alongside the existing 110 kV transmission easement that connects Musselroe Wind Farm part way towards Derby, taking a separate path west at a point between Banca and Winnaleah.

The corridor will then extend west to reach the existing high voltage 220 kV transmission network at Long Reach, just outside of George Town.

What will be built?

A double circuit 220 kV overhead transmission line around 135 km long will be constructed and located within a 60 m easement. The conductors will be strung on steel lattice towers.

Typical transmission easement configuration*



220kV double circuit steel tower

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

How did we get here?

In order to connect North East Wind to the shared network, it is necessary to develop a route that minimises the overall impact on landholders, communities and the environment.

A study corridor has been defined based on selection criteria and constraints as part of the route selection process.

Defining this study corridor allows us to consult and engage with potentially involved landholders, communities, and other stakeholders. Through engagement with landholders, we will seek access within this corridor to carry out surveys and technical studies to refine the route.

Selection criteria considered:

- Existing transmission infrastructure
- Land use
- Agricultural productivity
- Residential properties and communities
- Natural values and areas of high conservation value and known heritage
- Scenic and tourism values
- Planning zones and overlays
- Built-up communities

Route selection process

1. Define technical requirements and capacity of existing network infrastructure
2. Constraints and route analysis including multi-criteria analysis
3. Desktop review of corridor options
4. Identification of study corridor
5. Landholder and community engagement activities
6. Field investigations and impact assessment
7. Development of final route
8. Submission of planning and impact assessment documentation

North East Wind Transmission Line

Engagement process

CONTACT LANDHOLDERS

Meet with landholders who could be involved to discuss the project, their properties, and any specific considerations

LANDHOLDER FEEDBACK

Initial landholder feedback is captured and considered

COMMUNITY ENGAGEMENT

Transmission line proposal is publicly announced and community are invited to find out more

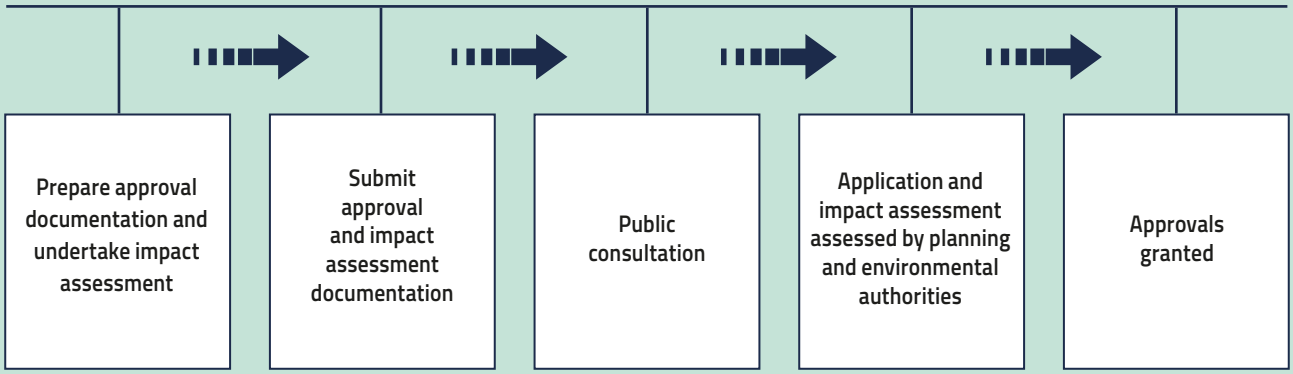
ONGOING MEETINGS WITH LANDHOLDERS

Work with landholders to enable surveys and technical assessments

ONGOING COMMUNITY ENGAGEMENT

Ongoing community engagement opportunities

Approval process



Local participation

The construction of the transmission line for North East Wind will create additional employment and economic activity. With other similar network upgrades around the state, this will contribute to a pipeline of infrastructure projects creating opportunities for long term jobs and skills development in Tasmania.

As the project progresses ACEN Australia will seek to engage with local businesses and employers.

Some of the roles and contracting opportunities required for the North East Wind Transmission Line include:

Civil works and materials	Professional, trade & technical services	Project support services
▪ Fencing ▪ Quarry supplies ▪ Concrete batching, transport & pour ▪ Major civil works (e.g. excavations for foundations) ▪ Minor civil works (e.g. access tracks)	▪ Surveying ▪ Land valuation ▪ Specialist engineering / fabrication solutions ▪ Heavy and/or light vehicle repair ▪ Electrical / mechanical ▪ Landscaping / rehabilitative work ▪ Arborist & vegetation clearing	▪ Accommodation ▪ Construction materials, work consumables & PPE ▪ Potential camp site & laydown areas ▪ Catering services ▪ Storage facilities ▪ Security ▪ Transport (e.g. materials, equipment and/or workforce) ▪ Plant & equipment hire ▪ Scrap metal & recycling

Investing in local communities

ACEN Australia seeks to prioritise community investments across its projects in the following priority areas:

- Provide for quality education and training
- Deliver jobs and economic growth
- Address Indigenous disadvantage
- Improve community infrastructure and services to support liveability
- Support regional business development and entrepreneurship
- Provide affordable and clean energy

ACEN Australia's Social Investment Program (SIP) aims to provide funding for initiatives and partnerships that contribute to building thriving and resilient communities and economies.

Community benefit sharing and social investment takes place throughout the full project lifecycle, commencing at development stage so that regional communities can actively participate in the benefits that a growing renewable energy industry can provide.

Project lifecycle

Phase 1
DEVELOPMENT
4+ years

Phase 2
CONSTRUCTION
3+ years

Phase 3
OPERATIONS
25+ years

2022

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

Construction of wind farm and associated infrastructure

Wind farm operational and generating renewable energy

About ACEN Australia

ACEN Australia

ACEN Australia is the platform representing ACEN's renewable energy assets in Australia. With more than 1 gigawatt (GW) capacity of large scale renewable energy generation in construction, and more than 8GW capacity in the development pipeline, its portfolio includes several solar, wind, battery and pumped hydro projects across Australia.

New England Solar (Stage 1) in NSW is ACEN Australia's first operational project. It will be one of Australia's largest solar projects participating in the National Electricity Market (NEM) and is the largest solar project in Australia to be financed on a fully merchant basis. Stubbo Solar in the NSW Central-West Orana Renewable Energy Zone is ACEN Australia's second project, which commenced construction in late 2022.

With 60+ employees and growing, our people are located in Tasmania, New South Wales and Victoria.

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 owned 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

ACEN is the Philippine listed energy platform of the Ayala Group. 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/

North East Wind

Renewable Energy from ACEN

Engagement, contact and feedback

Understanding community views

We want to make an enduring and positive contribution in North East 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

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Keep up to date

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