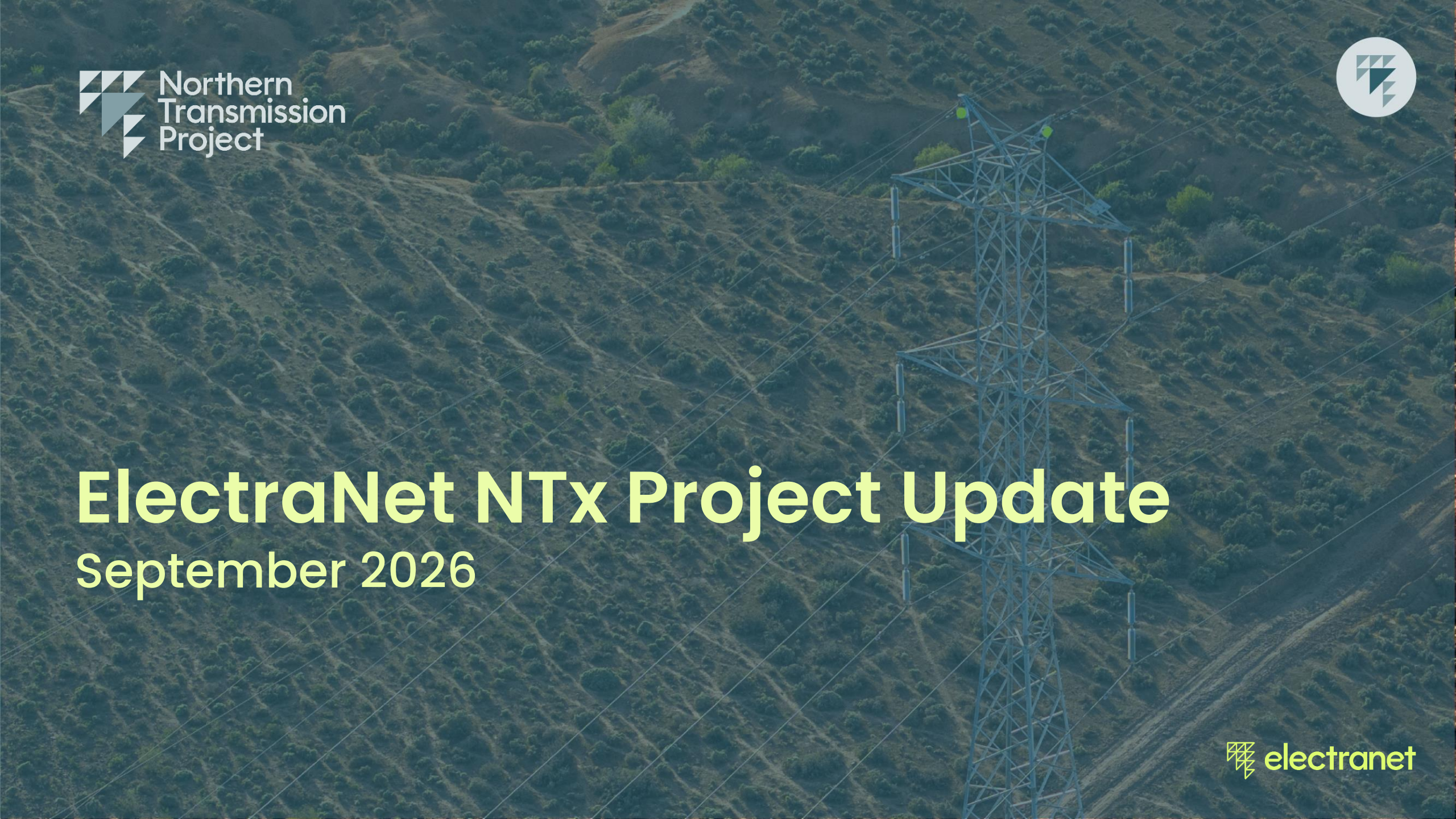
Northern
Transmission
Project
ElectraNet NTx Project Update
September 2026
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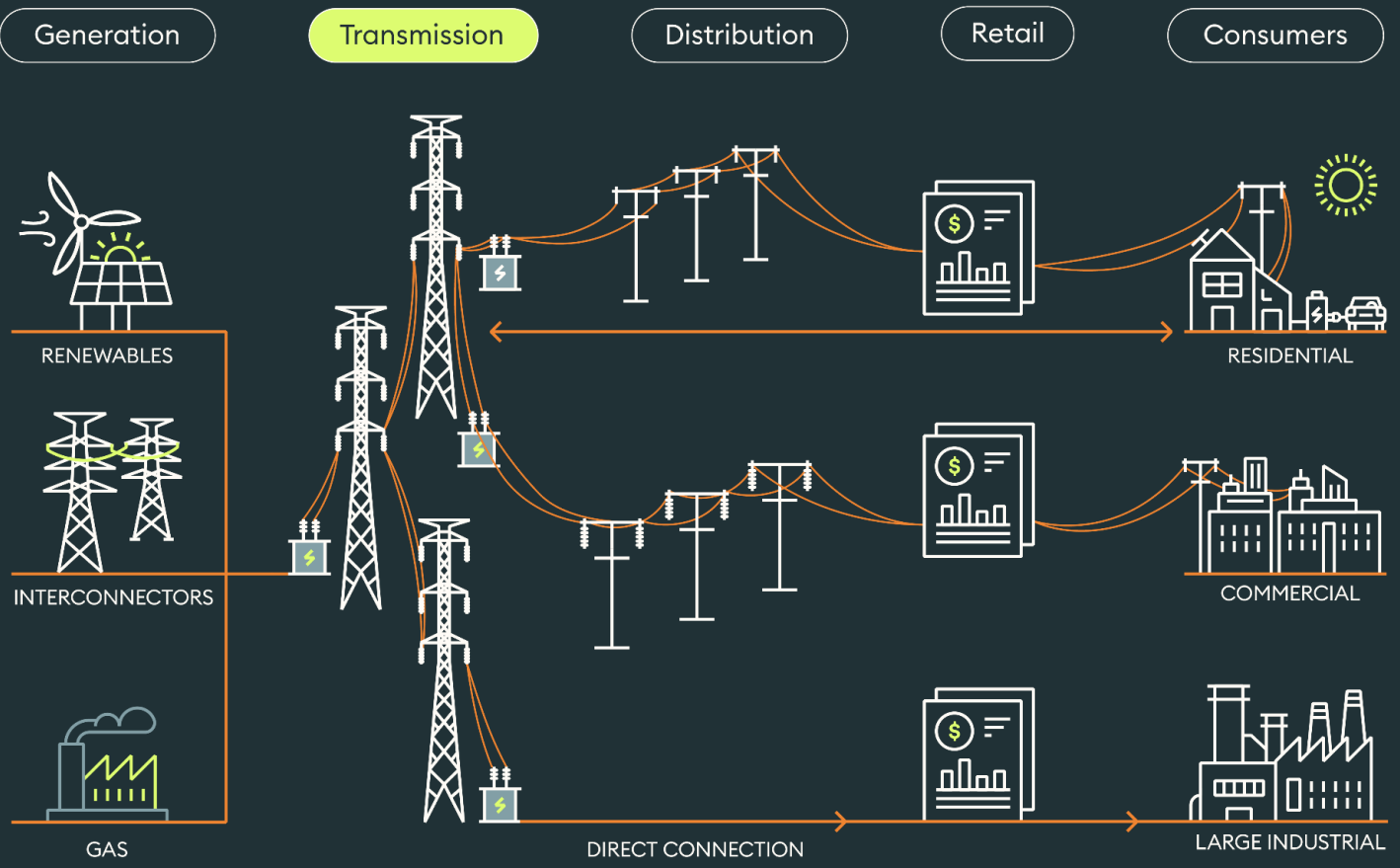
What is ‘transmission’?



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Today's transmission backbone and emerging congestion

- The existing network was not designed for material two-way flows and large new loads in regional areas
- As a result, network congestion is increasing
- The main transmission corridor running from Davenport (near Port Augusta) to Adelaide is the backbone of the South Australian grid
- As local dispatchable generation retires within greater Adelaide, the corridor will carry even more of South Australia's supply

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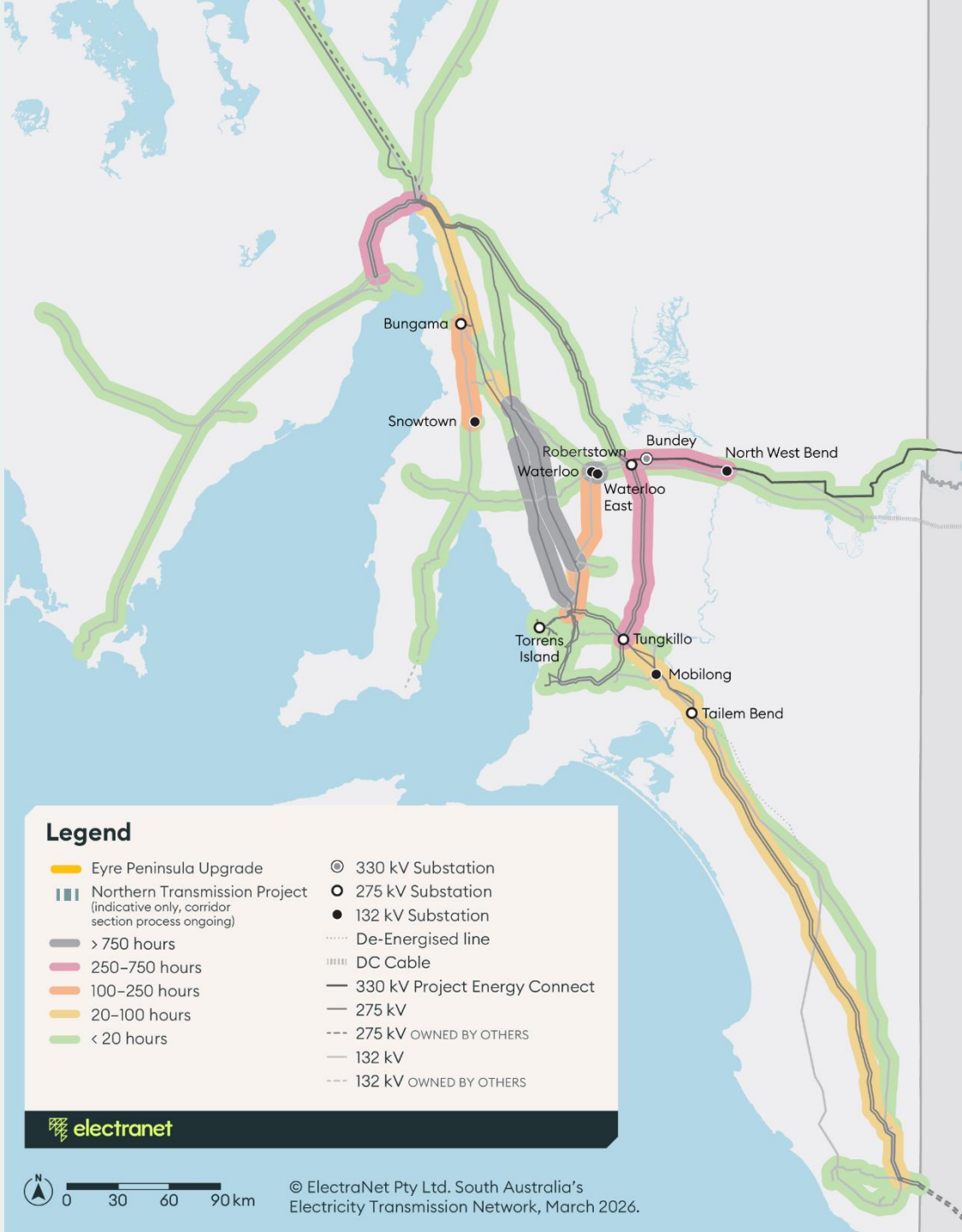
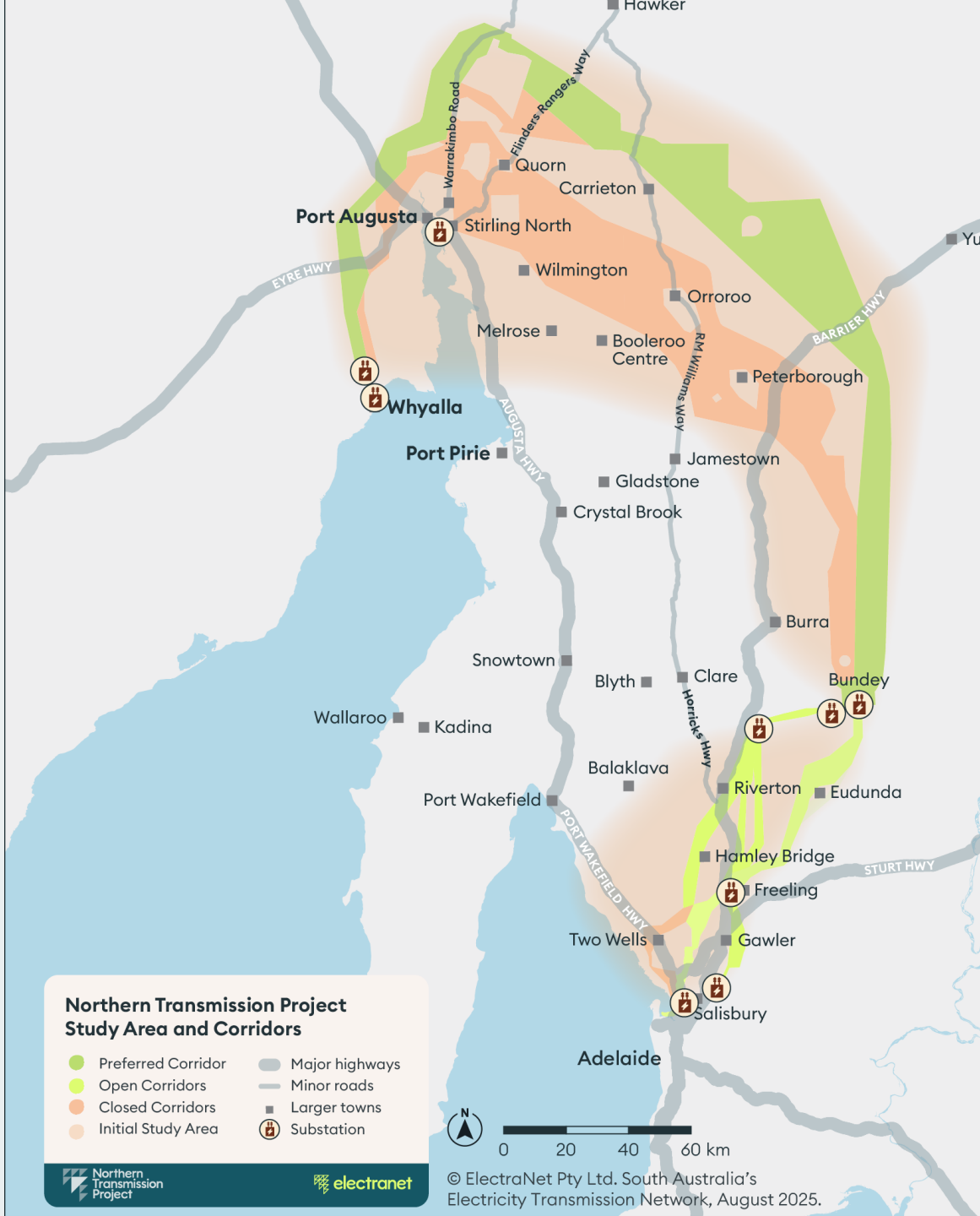


What is proposed?

The current planning study is exploring options for the construction of a new transmission line, in two sections:

- **NTx South**, running from the Mid North Bundey substation (near Robertstown) to Greater Adelaide
- **NTx North**, running from Bundey substation to Whyalla



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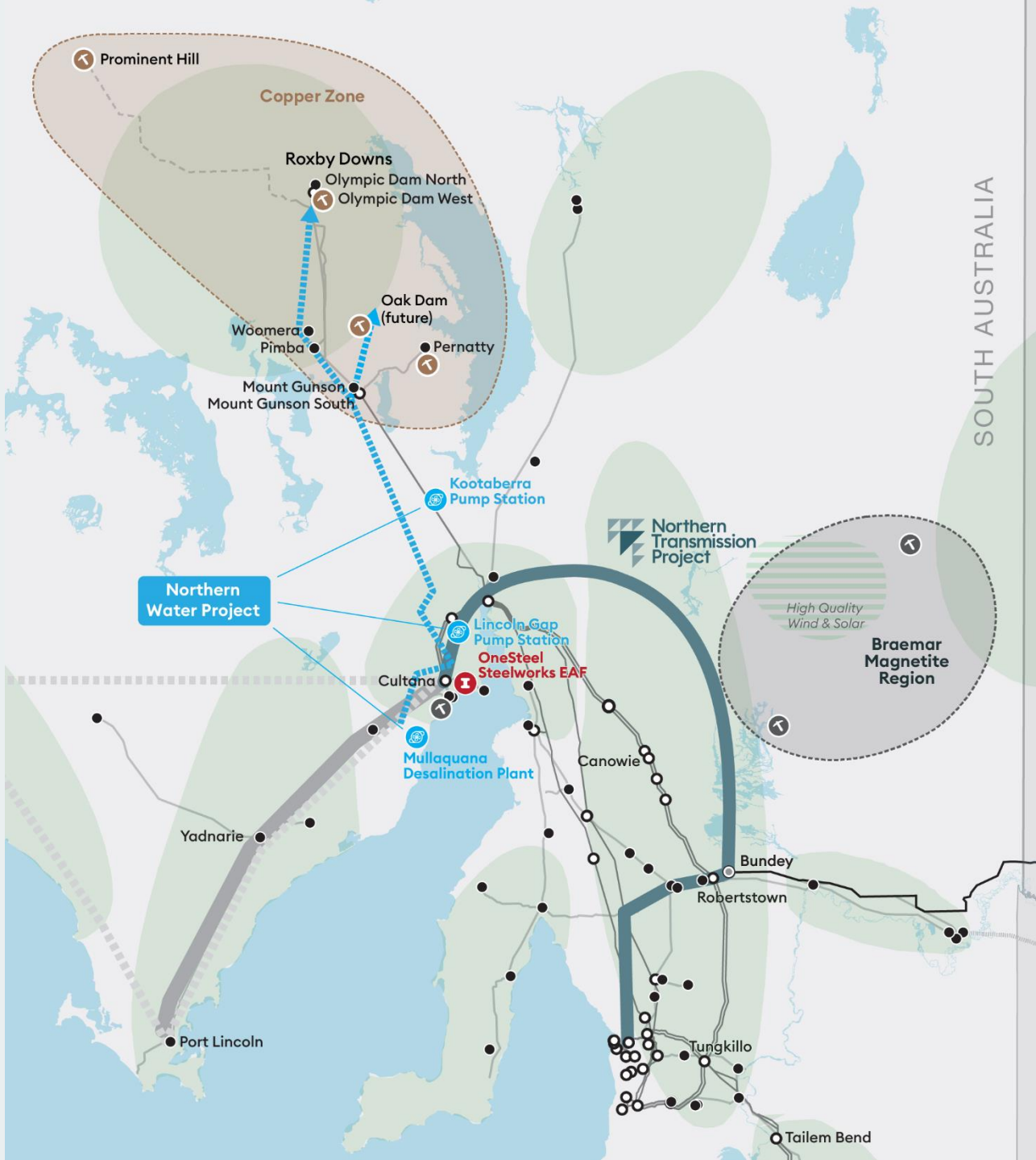
Why is the project needed?

- **South Australia** is facing a once-in-a-generation jobs boom opportunity
- **NTx** is the key to unlocking this opportunity by increasing the energy network's capacity and ensuring **reliable** and **sustainable electricity** supply **at the lowest cost**
- **NTx South** is needed to meet growing demand in Adelaide
- **NTx North** is needed to meet growing industrial demand in the north



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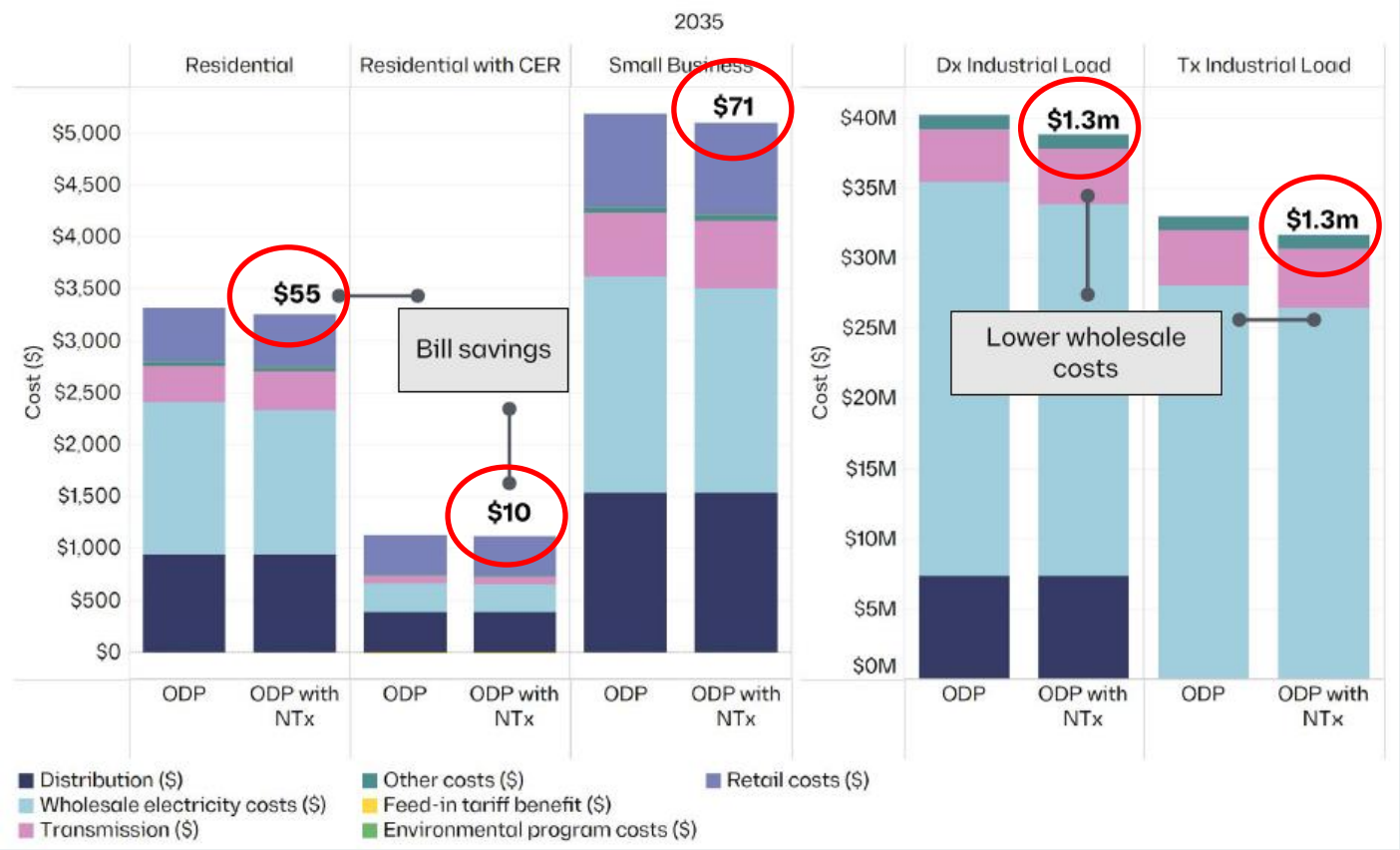
Transmission a key part of the lowest cost pathway

- ElectraNet is looking to address emerging constraints, connect new load and generation, and strengthen South Australia's power system
- A diverse range of supply sources unlocked by transmission is continually showing as the lowest cost pathway
- **NTx** is shown to result in lower prices across all major consumer types for decades to come
- Without NTx electricity prices are likely to rise and South Australia become heavily reliant on speculative interstate energy imports.



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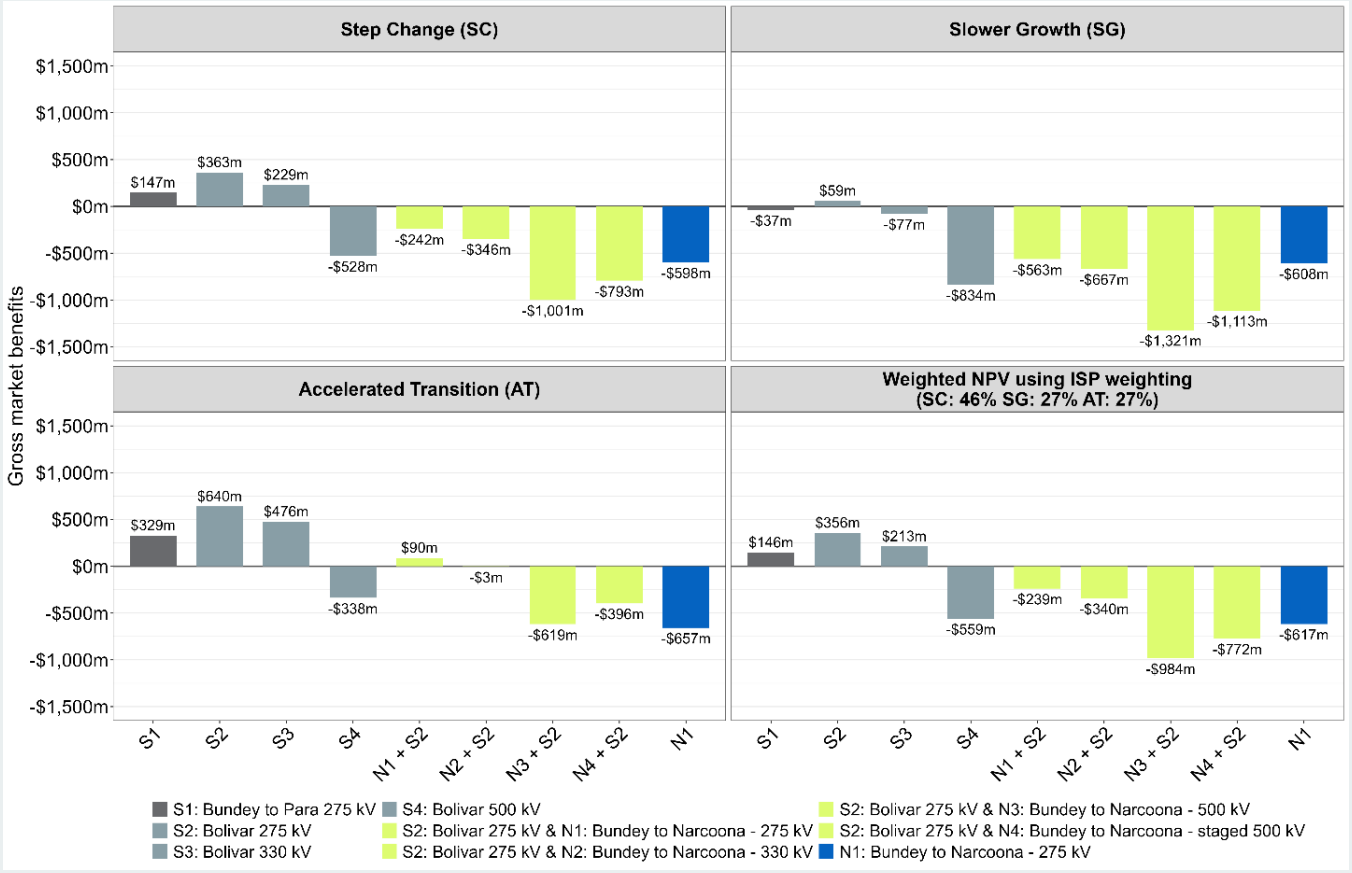
Estimated NTx net market benefits



- The PADR assessment finds that a new high capacity 275 kV transmission line between Bundey and a new site (around Bolivar/Dry Creek) – Option S2 – has the greatest expected net market benefits of the credible options
- Under current conditions NTx North is not found to provide net benefits at this stage, however, this would change with an increase in large industrial loads

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Current activities and timelines for NTx

- Four stages to the project development process
- Opportunities for community input throughout the project lifecycle

We are still in the early planning & development phase

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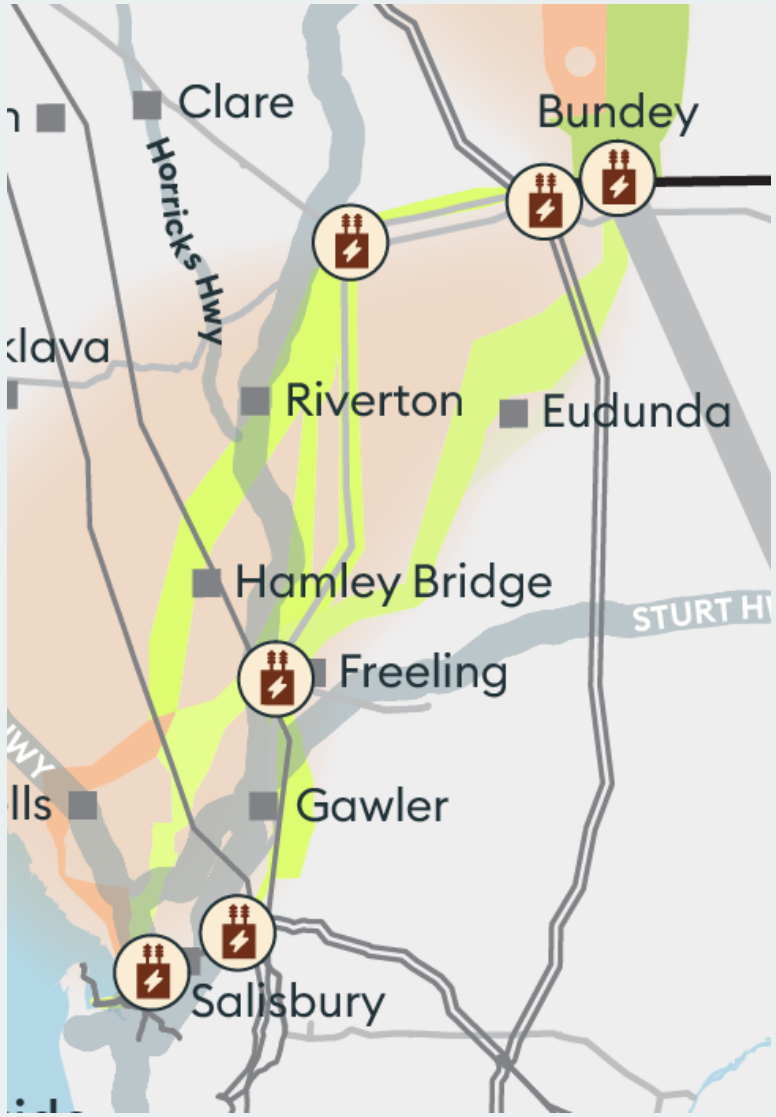
Early engagement

- Engagement began with **Project Introduction Community Workshops** in Port Augusta, Burra and Gawler during April 2025, attended by 40+ stakeholders
- **Multi-Criterial Analysis (MCA) Stakeholder Workshops** followed in May and June, ranking the corridor options based on technical, environmental, social and economic criteria
- Informed by the MCA, other technical inputs and stakeholder feedback, **ElectraNet selected a preferred corridor for further investigation in NTx North** (and landholders contacted).

Outcome of the MCA process – NTx South

- While the MCA also ranked corridor options for NTx South, **a preferred corridor has not yet been selected**
- For the Mid North area (Bundy to Freeling) further corridor community consultation was undertaken described below.
- For the area south of Freeling, GA2 consistently outperformed GA1. On this basis GA2 was retained as the corridor option to the Bolivar/Dry creek area
- GA2 is preferred over GA3 as it delivers greater network benefits and provides greater resilience to major events which can affect transmission lines.



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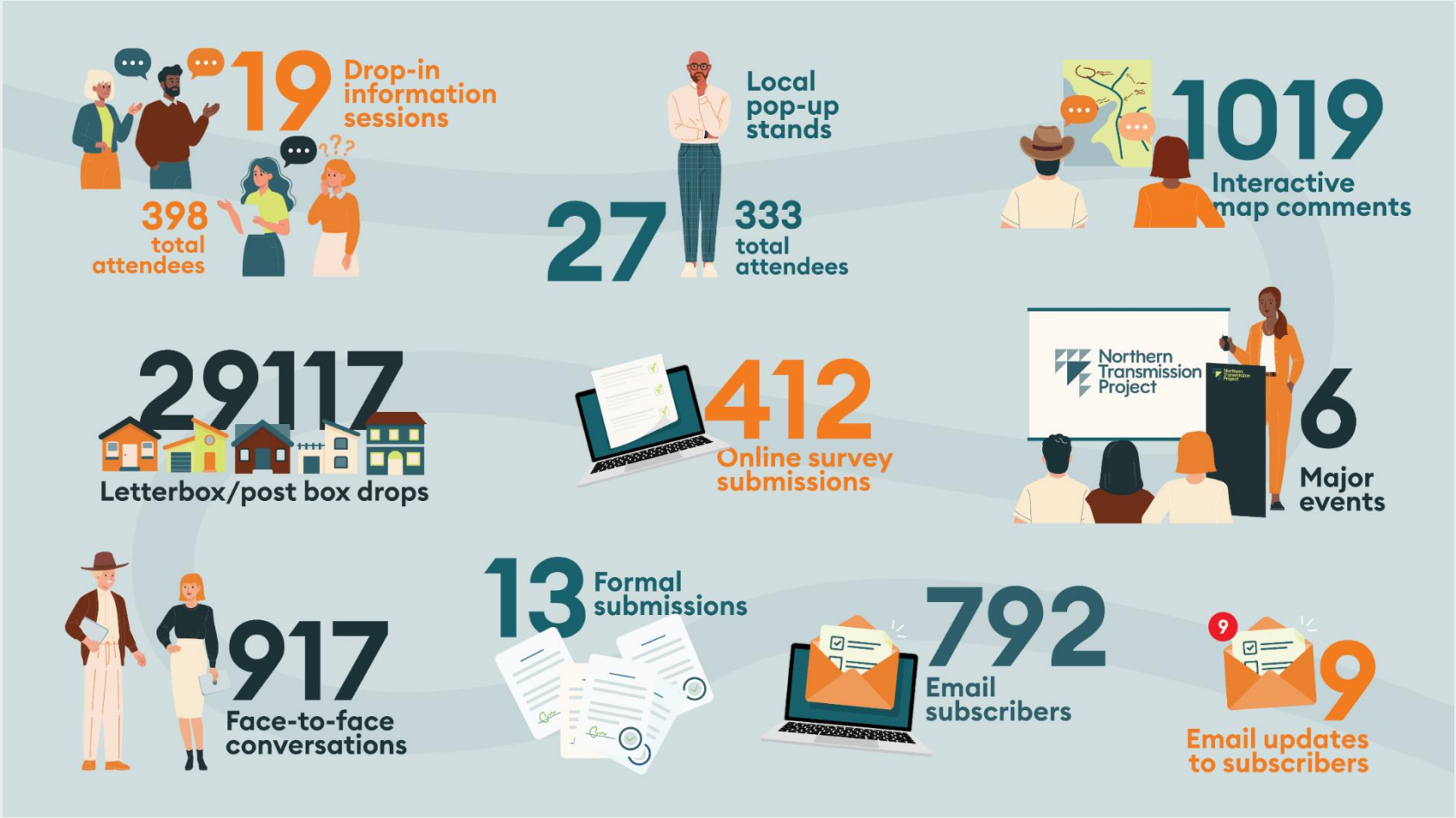
Our engagement in numbers



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What we heard – key themes

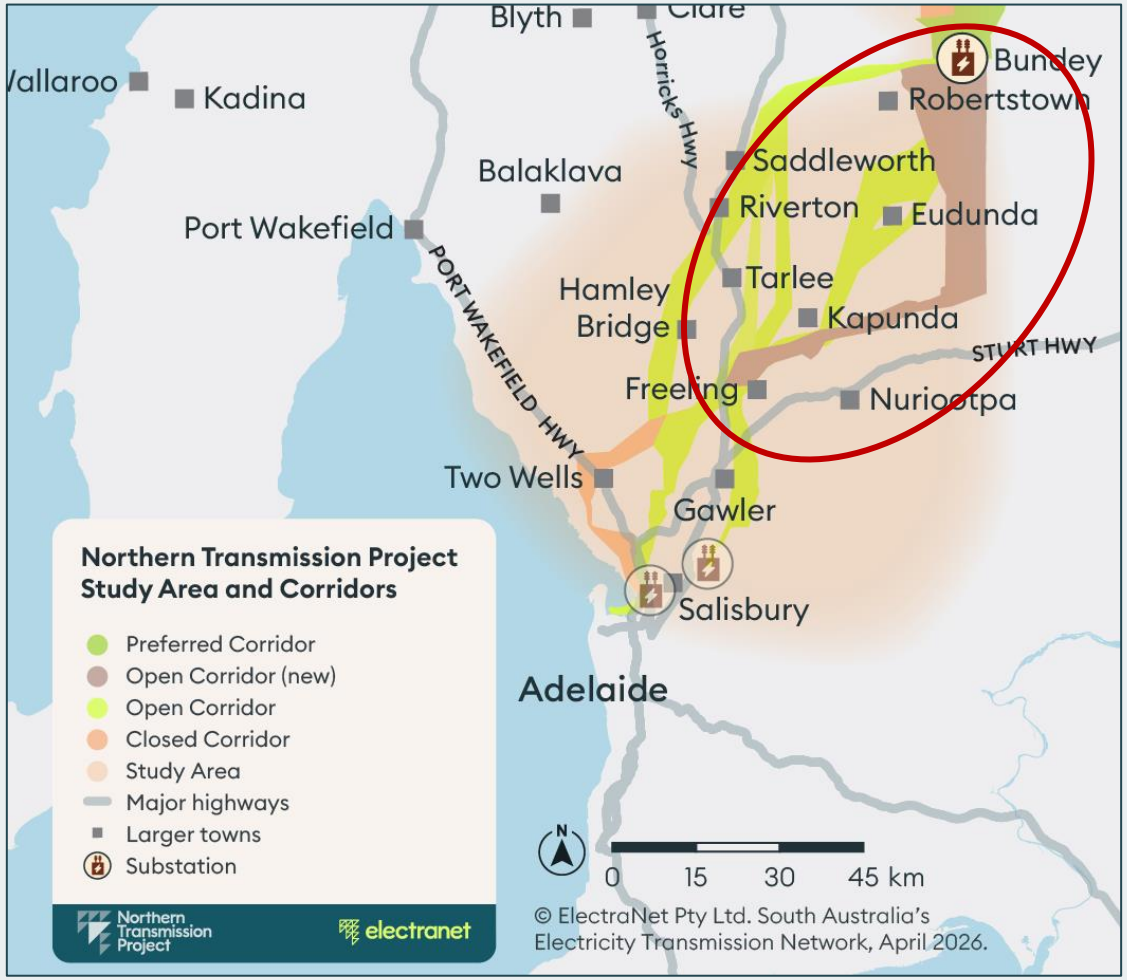
A detailed *What We Heard* report was published in April. Some of the key themes we heard include:

- Minimise impacts on high-value agricultural land, particularly cropping land and impacts on farming operations
- Concerns around environmental and biodiversity impacts
- Avoiding homes and townships
- Bushfire risks
- Health and safety concerns, including mental health
- Land values and compensation
- Visual amenities, tourism and heritage.

What we did with the feedback

- **Shifted the focus of our investigations** in NTx South to include new areas east of the existing corridors, to minimise impacts to high yield cropping land
- While our engagement was extensive, some people in these new areas may not have participated
- We are having conversations with landholders and the community to better understand land use, values and priorities
- **No decision on a preferred corridor for NTx South will be made until all feasible options have been thoroughly investigated.**

New corridor study area identified for Mid North



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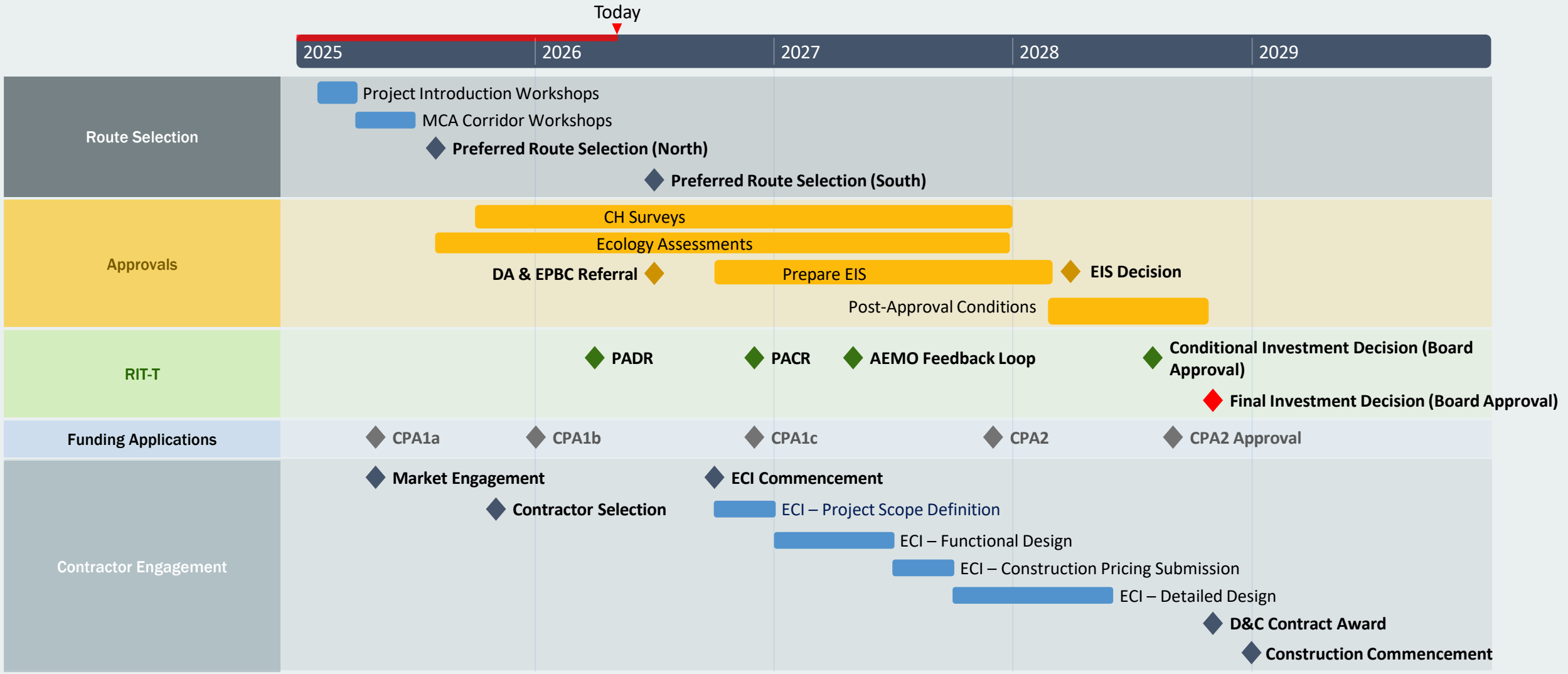
Indicative Project NTx Schedule – Milestones



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Community investment program under development

Community investment framework

Strategic partnerships

Long-term aligned partnerships with community organisations across our footprint

Community grants

Targeted grants supporting local initiatives and social outcomes in our communities

Project community engagement

Community and landholder engagement and community investment linked to project activity

First Nations engagement

Dedicated engagement and investment in First Nations communities and culture

Employee engagement

Volunteering and participation programs building community connection

Community impact & legacy

Community awareness

Trust & social license

Measurable impact

Next steps

- **Ongoing conversations** with landholders and community in NTx South as we continue our investigations
- **Selection of a preferred corridor for NTx South**
- Work through State and Federal approval processes.

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Questions?

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