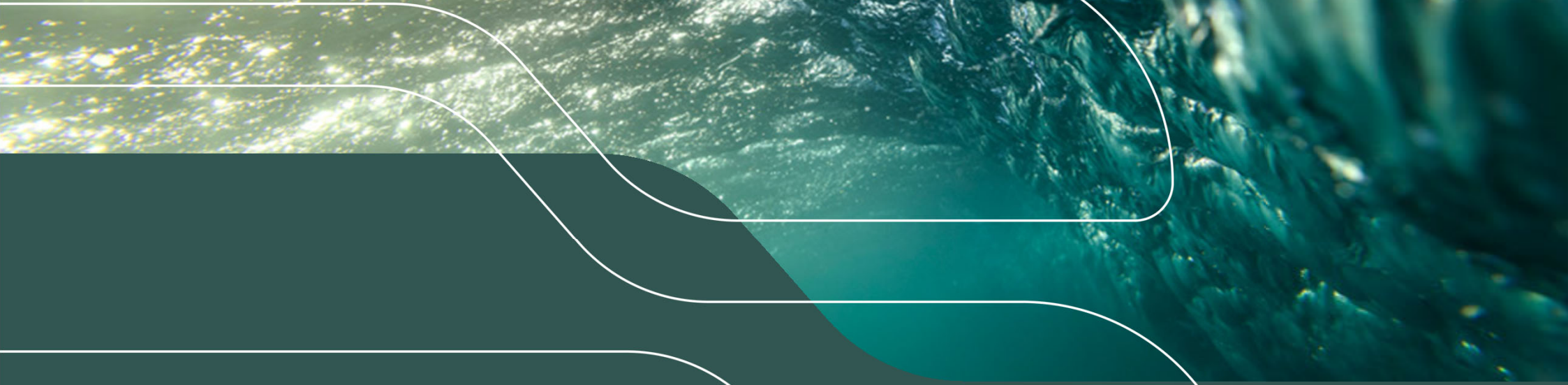


Queensland
Hydro

Borumba pumped hydro project

Transmission stakeholder reference sub-group meeting
22 March 2023

Acknowledgement of Country

We acknowledge Aboriginal and Torres Strait Islander people as the traditional custodians of the lands in which we work. We pay our respects to the Elders of the past, present and future, and acknowledge their spiritual connection to Country.

New faces

Borumba Project Director

Welcome to Queensland Hydro's new Project Director for the Borumba Pumped Hydro project, Leah McKenzie.

Leah brings over 18 years' of project planning and project management experience, having worked at major infrastructure projects across Southeast Queensland.

Leah takes over from Chris Gwynne, who has accepted the role as Head of Strategy and Planning.

New sub-group members

Shea Rule, representing Say No To The Lines

Simon Kinchington, representing Gympie Regional Council


Leah McKenzie

Transmission sub-group custodianship

Powerlink

Powerlink to take responsibility for the transmission subgroup.

Queensland Hydro

Queensland Hydro to maintain responsibility of the Borumba Pumped Hydro Project Stakeholder Reference Group and any other subgroups tied to the reference group

Agenda

- Engagement timeline and statistics
- Community consultation key themes
- Other key stakeholders
- Assessment framework
- Multi Criteria Analysis (MCA)
- Future project milestones

Engagement timeline

Dec

First stakeholder workshop – two community info drop-in sessions held

July

Release of study area. Early engagement with Council, Traditional Owners & peak bodies – two community info drop-in sessions held

Sep/Oct

Use feedback to develop corridor options (4km wide) – first Burnett Stakeholder Reference Group meeting held

Dec

970 letter sent to residents – 10 community info drop-in sessions held

27 April

Release Draft Corridor Selection Report with recommended corridor (1km wide)

April

Established Borumba Stakeholder Reference Group – two community info drop-in sessions held

Aug

Using study area, wider community engagement to gain better insights into constraints and matters of interest – two community info drop-in sessions held

Nov

Release corridor options for community feedback – 2,300 letters sent to residents in northern corridors, seven community info drop-in sessions hosted + first Transmission Sub Group and second Burnett Stakeholder Reference Group meetings held

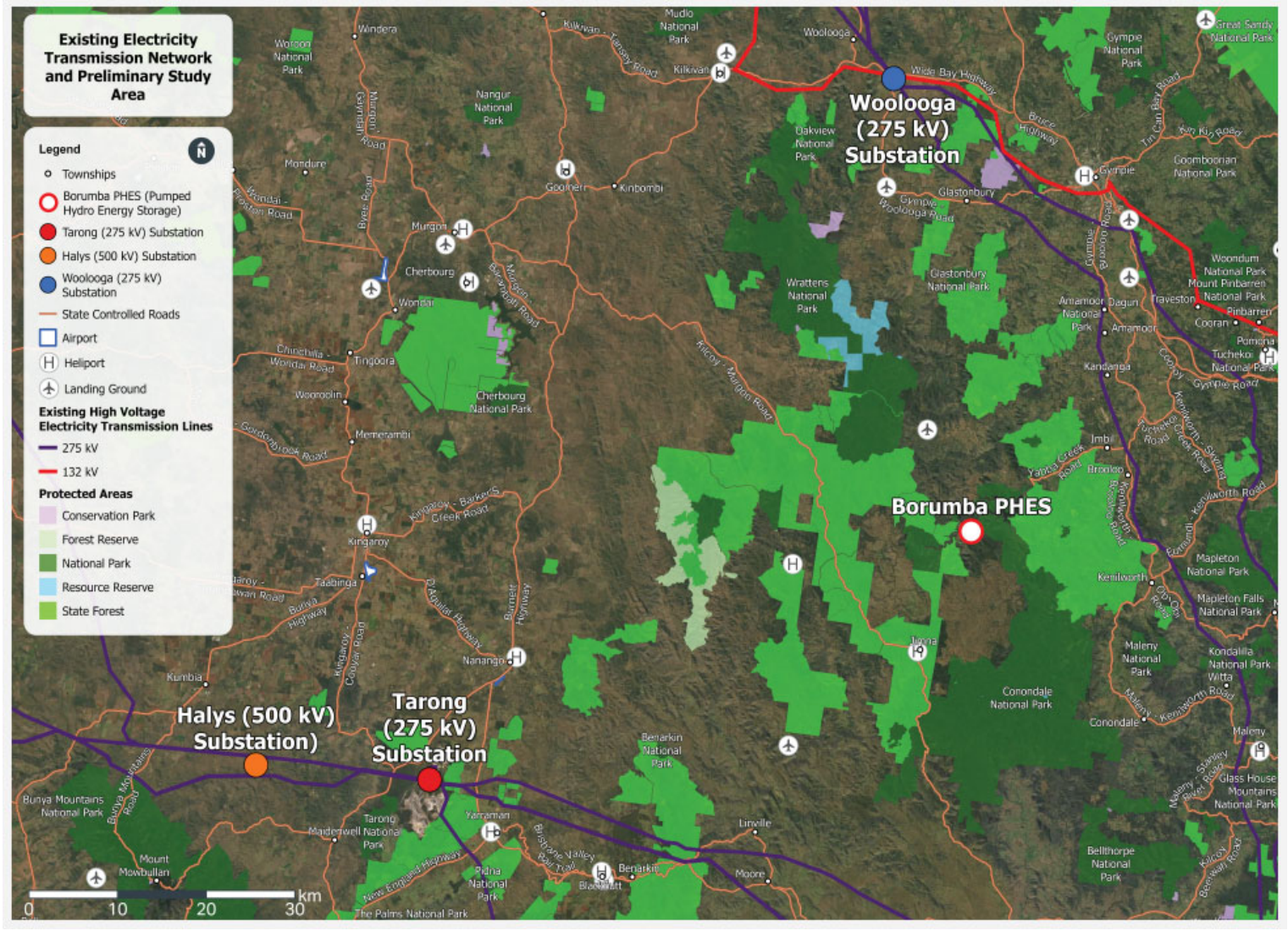
Jan/Feb/March

4,300 project update emails and letters sent to residents on feedback themes and Draft Corridor Selection Report timings – 12 community info drop-in sessions hosted + second Transmission Sub Group and third Burnett Stakeholder Reference Group meetings held

Mid-23

Release Final Corridor Selection Report with final corridor

Study area – released for input July 2022



Engagement statistics

As at 10th March 2023

- Established Stakeholder Reference Group and two transmission-focused sub-groups
- 37 community information drop-in sessions held
- More than 2,100 residents have attended the community information sessions
- More than 1,800 individual pieces of feedback received via email, feedback forms, phone calls, meetings and comments on interactive project map

Community consultation key themes

Key theme	Matters raised
Property impacts	▪ Property impacts throughout planning, construction and operation ▪ Compensation and land values ▪ Loss of lifestyle and generational ownership ▪ Amenity impacts and future use
Lifestyle impacts	▪ Broader negative impact the project will have on lifestyle ▪ Visual amenity impacts ▪ Disruption of key recreational activities ▪ Changes to lifestyle features that attracts residents and tourists
Biosecurity and agricultural impacts	▪ Focused on operation and maintenance ▪ Management of Giant Rats Tail Grass and Parthenium ▪ Contractor compliance with biosecurity regulations ▪ Devaluation of land and business operations ▪ Broader threats to agricultural industry in the wider region
Wildlife	▪ Presence of endangered species ▪ Damage and destruction of wildlife habitats ▪ Wildlife has a significant value to the community ▪ Key reason for living in the region and lifestyle issues

Community consultation key themes

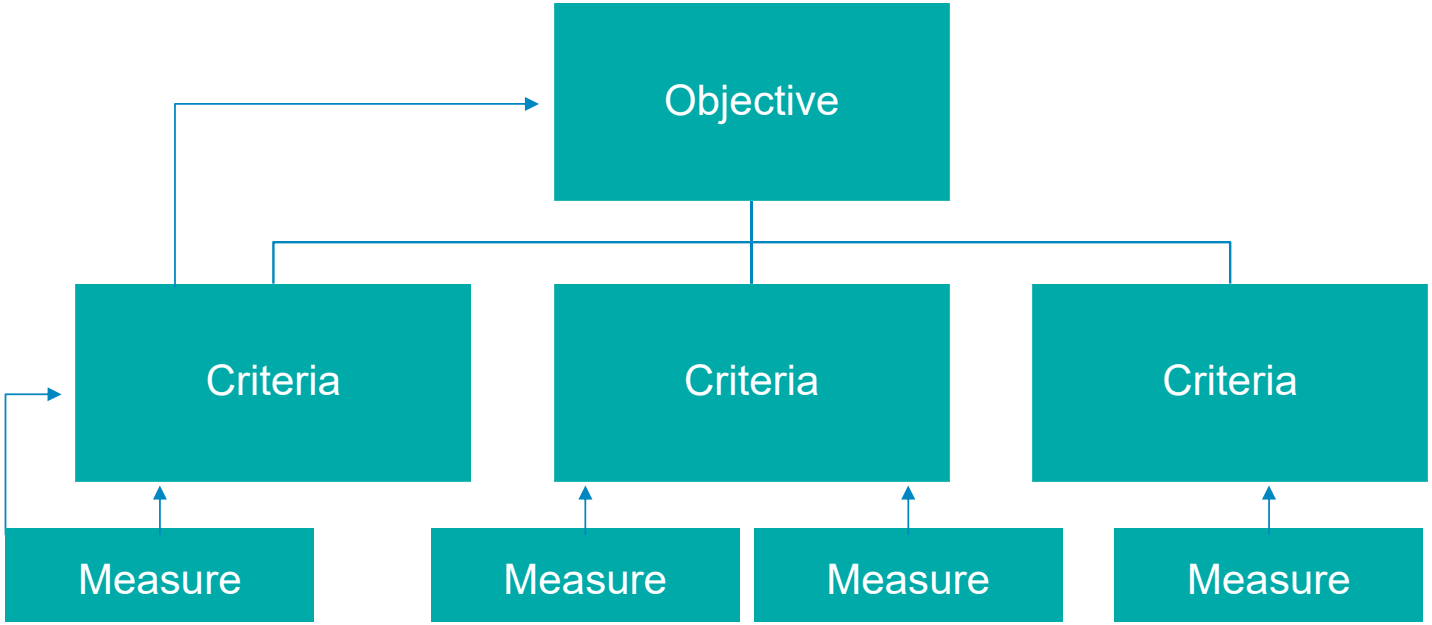
Key theme	Matters raised
State-owned land	▪ Investigating the use of ‘state-owned land’ including State Forests and National Parks ▪ Areas of cultural significance and connection to country ▪ Potential for bushfire mitigation
Health	▪ Health impacts to residents living near transmission lines ▪ Community concerns around electric and magnetic fields (EMF)
Corridor alternatives and preferences	▪ Potential of undergrounding sections of the transmission lines ▪ Building a new substation closer to Lake Borumba ▪ Opportunities around the co-location of corridors ▪ Avoidance of communities and private properties ▪ Minimising impacts to flood areas ▪ Overall opposition to project and proposed corridors
Vegetation	▪ Vegetation clearing and acquisition of offsets ▪ Impacts to remnant vegetation and management
Environment	▪ Environmental impacts including biosecurity and conservation management ▪ Compliance with environmental legislation

Other key stakeholders

- Engagement with Traditional Owners (Kabi Kabi, Wakka Wakka and Jinibara)
- Department of Environment and Science/Department of Agriculture and Fisheries – Legislation balancing for state-owned land considerations
- Sub Stakeholder Reference Group Transmission – Gympie and Burnett
- Members of Parliament
- Regional Councils

Assessment framework

- Assessment framework for corridor selection was adapted from Infrastructure Australia's multi-criteria analysis framework
- Involves identifying key project **objectives** and the **measures** required to assess each criteria.



Assessment framework

Project objectives

Social	Environment	Economic
Consider the use of land and the community livelihood within and adjacent to corridor options	To ensure a balanced approach to corridor selection with the least practicable impact on environment and heritage values	To ensure construction and operational factors such as cost be considered at a preliminary level, given the scale of project

Where we can't avoid, we will manage, minimise or mitigate our impacts.

Assessment framework

Criteria

Criteria is categorised based on feedback, technical analysis and spatial data.

Measure

Project specific measures are established to compare each corridor option.

Assessment framework - example

Key theme: Use of state-owned land*

Objective: Social

Criteria: Optimise use of state-owned land

Measure: Area of state-owned land within a corridor option (Ha) where practicable

*State Land is land that is not freehold and/or owned by state agencies as per "A guide to land tenure under the *Land Act 1994*"

Multi Criteria Analysis (MCA)

Objective and criterion	Rationale
Social (criteria not in order of preference)	
Criterion 1: Agricultural land Criterion 2: Residential homes Criterion 3: Use of state-owned land Criterion 4: Number of properties Criterion 5: Intensive use	▪ Feedback received through community consultation ▪ Analysis derived from spatial data sets ▪ Understanding land which provide livelihoods for local communities including agriculture, grazing, cropping, intensive land uses, biosecurity matters, tourism, recreational and property usage etc. ▪ Consideration for size of land required, lifestyle and visual impacts, farming or other business operations, potential utilisation of state-owned land within investigation area and corridors ▪ Proximity to homes
Environment (criteria not in order of preference)	
Criterion 1: Endangered Criterion 2: Areas of Concern Criterion 3: Areas of Least Concern Criterion 4: Essential habitat Criterion 5: National Parks, Conservation Areas and Nature Refuges	▪ Environmental criteria under the *Vegetation Management Act 1994* ▪ Essential habitat values and preference to minimise impacts to protected areas managed under the *Nature Conservation Act 1992* ▪ Cultural Heritage and Native Title under the *Aboriginal Cultural Heritage Act 2003* and *Native Title Act 1993* (Cth) ▪ State and local heritage sites ▪ Uphold General Biosecurity Obligation under the *Biosecurity Act 2014* ▪ Multiple uses of National Parks including recreation

Multi Criteria Analysis continued

Objective and criterion	Rationale
Economic (criteria not in order of preference)	
Criterion 1: Corridor length Criterion 2: Land 30% slope or greater Criterion 3: Co-location with existing lines	▪ Constructability including length of corridors considering terrain and technical construction methodologies and their overall costs implications to project ▪ Further considerations including topography and contours, soil types and landslide potential, areas of flood inundation of land, crossing of water courses, rail lines, roads and crossing existing infrastructure ▪ Co-location opportunities (putting services together)
Other technical considerations	
Poor ground conditions Unexploded Ordnances (UXO) Power supply resilience	▪ Poor ground conditions can have significant impacts to project cost and constructability ▪ High-level mapping and geotechnical investigations will confirm ground conditions, potential impacts and mitigation measures ▪ Consider proximity to land used land by Australian Defence Force, potential risk of UXO ▪ Specialist advice to be sought including risk assessment and management plan ▪ Consider the exposure of the corridor to natural or other disasters, with the aim of ensuring resilience of power supply

Questions

- Based on your understanding of the project and the community and stakeholder feedback received:
  - Are the criteria defined in the Multi Criteria Analysis appropriate?
  - Are there other criteria to consider?

Future project milestones

27 April 2023

- **Release of Draft Corridor Selection Report** identifying the recommended corridors (one north to Woolooga Substation and one west to Halys/Tarong Substation) – each around 1km wide.
- **Comprehensive engagement** process to gather input on the recommended corridors and wider report. Powerlink will endeavour to contact all landholders in the recommended corridors before the document's public release (phone call then letter).

Mid-2023

- **Final Corridor Selection Report** will be released which will identify a 'study corridor'. Then Powerlink will work with landholders, and seek input from the community and other stakeholders, to identify a 70m easement within each study corridor north to Woolooga Substation and west to Tarong/Halys substations.

Mid-2024

- Following comprehensive environmental and technical assessments, and ongoing engagement with landholders, the community and other stakeholders, Powerlink will release the **Environmental Assessment Report** (EAR) for public review and comment. The EAR will identify a preferred alignment for the transmission line.
- Powerlink will also progress other **project approvals** as required, including Federal environmental approvals under the Commonwealth's *Environment Protection and Biodiversity Conservation Act 1999* (EPBC).

Future project milestones

2025

- After around two years of finalising project approvals, transmission line **construction is expected** to commence.

2029

- **Transmission lines are expected to be operational**, enabling the pumped hydro site to connect into the electricity grid, providing energy up to Central Queensland, out to Western Queensland and down to South East Queensland.

Thank you


YABBA CREEK RD
42
MARY VALLEY
TOURIST DRIVE
Imbil
LAKE BORUMBA