

Acknowledgment of Country

We begin our commitment to reconciliation by acknowledging the Traditional Owners of the land on which we meet today.

We pay respect to Elders past and present.





Agenda

CCG commencement & Acknowledgment of Country	5 minutes
Minutes and actions	10 minutes
Project update	25 minutes
Planning Approval Update	30 minutes
Bushfire Management	20 minutes
Community Investment and Benefits Program	10 minutes
Next Steps	10 minutes
General Business / Q&A	10 minutes
Close	





Minutes and Actions



Topic	Item Description	Transgrid Response
	Transgrid to respond to community members on whether workers will have to undergo a police check before coming onto properties.	Transgrid's Code of Ethics and Conduct (the Code) outlines the principles, standards and values that guide decisions and behaviours. We expect our people and everyone we do business with to adhere to these standards when working with Transgrid. This includes employees, contractors, suppliers, customers and business partners.
		Transgrid requires a police check for all employees however the level of pre-employment screening for our delivery partners will vary according to the organisational context and role being filled.
	Provide a flow chart of the assessment approvals and the key decision makers in the consultation process.	There are multiple planning approval pathways in NSW depending on the size and scale of the proposed development. Flow chart provided to CCG members of the NSW and Commonwealth planning approval process for state significant infrastructure like the HumeLink project, along with details of the Department of Planning, Housing and Infrastructure's (DPHI) – formerly known and DPE central point of contact for the EIS.
		Contact Planner (DPHI) Name: Anthony Ko Phone: 02 8217 2022
Project	Transgrid to ensure the cost benefit analysis was done to consider impact of delaying the building of the Maragle link on project cost.	The project team has worked with the Delivery Partner to refine the "Maragle link" timing for optimal delivery, considering mobilisation costs and efficient use of resources.
	Transgrid to respond on whether any work has been completed on the compound on Snowy Mountains highway.	The only work undertaken by Transgrid will be in line with the Exempt Development Activities in the Environmental Assessment Framework and includes the following:
		Site investigations – Environmental surveys (biodiversity, heritage, contamination)
		Utility investigations
		Geotechnical investigations
		Precondition surveys
		Installation of instrumentation and monitoring equipment
		Landowner consent will always be obtained in advance of any proposed entry for preliminary activities, and any conditions of entry will
Cirrola		be documented and communicated to all staff. Advance notice will be provided to the broader community before the proposed start date.

Topic	Item Description	Transgrid Response
Near Neighbours	Transgrid to confirm whether community members were notified about the project (near neighbours) along Cockatoo Road and near Merrill.	Transgrid have investigated and received confirmation that project letters including newsletters were sent to residents of Cockatoo and Brungle Road. If residents aren't receiving notifications, they can contact the project email address on HumeLink@transgrid.com.au .
Compensation	Transgrid to respond to CCG members about their concerns on landowners being asked to respond to compensation when they have not been provided with detail on the impact.	Transgrid is developing a plan to roll out indicative tower locations to all impacted landowners along the project footprint. Further information will be available in 2024. In the meantime, however, Transgrid has discussed and will continue to discuss indicative tower locations with impacted landowners as requested. Landowner feedback and collaboration, as well as site visits and ground truthing, are key inputs to the final tower locations. Information such as, but not limited to, geotechnical, environmental, land use, topography, etc. need to be known and inform a design process to finalise tower positions. Transgrid encourages impacted landowners to have these conversations with us at your earliest convenience.
Alignment	Transgrid to provide information on whether HumeLink can parallel the existing 03 330kV transmission line from West of Yass to Chidowla from structures 267 or 266.	Paralleling the existing 03 330kV transmission line from West of Yass to Chidowla from structures 267 or 266 would result in increased visual impacts to six dwellings (potentially habitable buildings) and would require crossing the Murrumbidgee River in three separate locations. The Transgrid preferred option, however, increases the distance from dwellings, with only one dwelling within 500m, therefore reducing the visual impact. Further, it only includes one crossing of the Murrumbidgee River



Topic	Item Description	Transgrid Response
EIS	Transgrid to send CCG members a map of the line including a legend and reference to section of the EIS that contains the detailed maps.	A discrepancy was identified in the map and legend relating to Figure 6-2 in the EIS Traffic and Transport Impact Assessment (TTIA). Figures 6-2a to 6-2f are currently being updated as part of the revised TTIA for the Amendment Report. The key findings from the revised TTIA as well as the updated figures will be made available to the CCG in the new year oncethe assessment has been completed.
Towers	Transgrid to provide the location of the tension towers Transgrid to outline process and timeline for when people will have a greater level of detail on tower location.	Transgrid is developing a plan to roll out indicative tower locations to all impacted landowners along the project footprint. Further information will be available in 2024. In the meantime, however, Transgrid has discussed and will continue to discuss indicative tower locations with impacted landowners as requested.
ioweis	Transgrid to provide the two locations to CCG members where the towers may be slightly higher than in the EIS (77 metres).	In some locations, the maximum height of the transmission line structures may increase beyond 76 metres to minimise biodiversity, heritage or property impacts or improve overall safety outcomes by providing the opportunity to increase the spanning distance between transmission line structures. These locations will be reviewed as detailed design progresses. Any structures that exceed 76 metres in height would be managed in accordance with the change management process described in section 26.4 (Managing project changes) of the EIS in consultation with affected landowners.

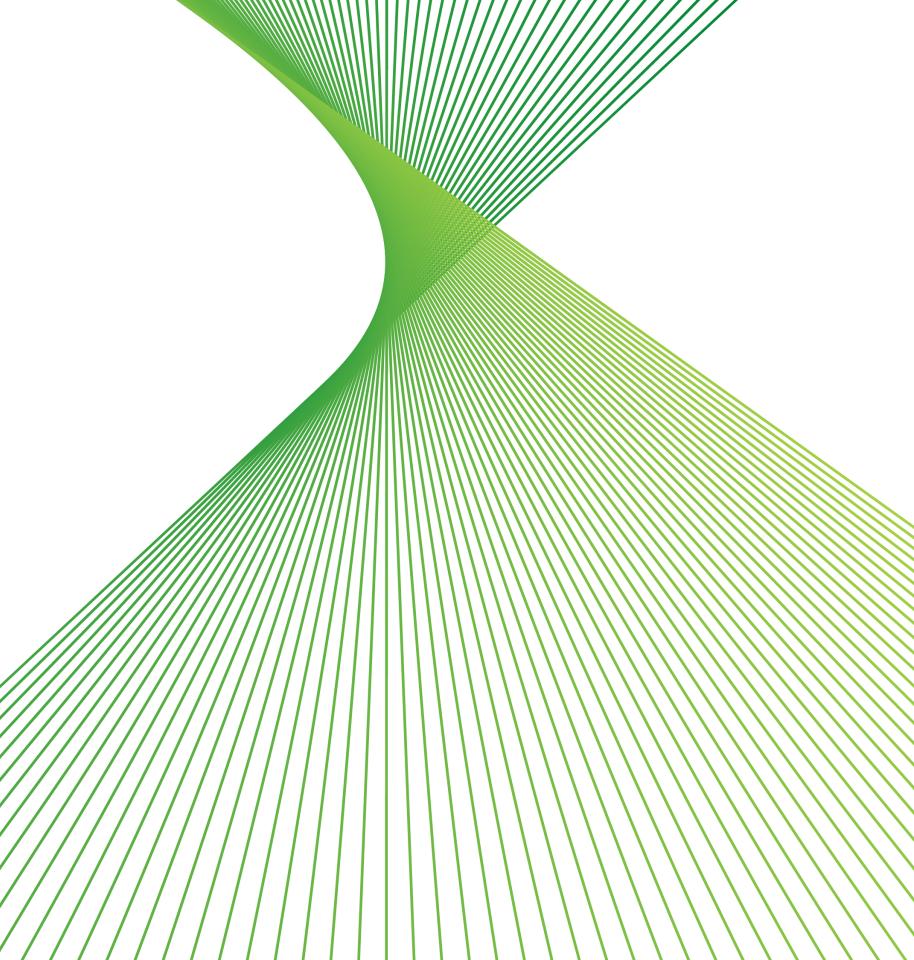


Topic	Item Description	Transgrid Response
	Transgrid to share information on the noise and vibration levels.	The HumeLink EIS assessed the potential impacts of noise and vibration within a 2km buffer of the project footprint. The assessment identifies people, places and structures that are likely to be sensitive to noise and vibration. These are referred to as sensitive receivers.
		The assessment included measurements of different areas before construction to establish background noise levels and analysed activities that are likely to generate noise and vibration during construction and operation.
		Construction noise impacts will be managed through measures such as equipment selection, work hours, noise screens and site set ups. All feasible and reasonable measures will be applied to reduce the potential noise and vibration impacts from the project.
		Potential noise and vibration impact during operation includes audible noise from the transmission line conductors and substation noise.
Noise		During light rain or misty weather conditions some noise will be heard at some sensitive receivers. This noise is typically a crackling sound, commonly referred to as corona noise.
INDISC		Assessment of audible noise from transmission lines was completed to determine potential impacts on residences. These impacts will be considered during detailed design as part of the finalisation of the transmission line design.
		Transgrid will continue to work with impacted landowners on a case-by-case basis.
		Links to addition information on noise and vibration is located below:
		December 2022 CCG Presentation: PowerPoint Presentation (transgrid.com.au)
		May 2023 CCG Presentation: <u>PowerPoint Presentation (transgrid.com.au)</u>
		• EIS Noise & Vibration Fact Sheet: <u>HumeLink Noise and Vibration Factsheet June 2023 (transgrid.com.au)</u>
		Noise & Vibration video: <u>HumeLink EIS Fact Sheets and Videos Transgrid</u>
		EIS Noise and Vibration Impact Assessment Technical Report



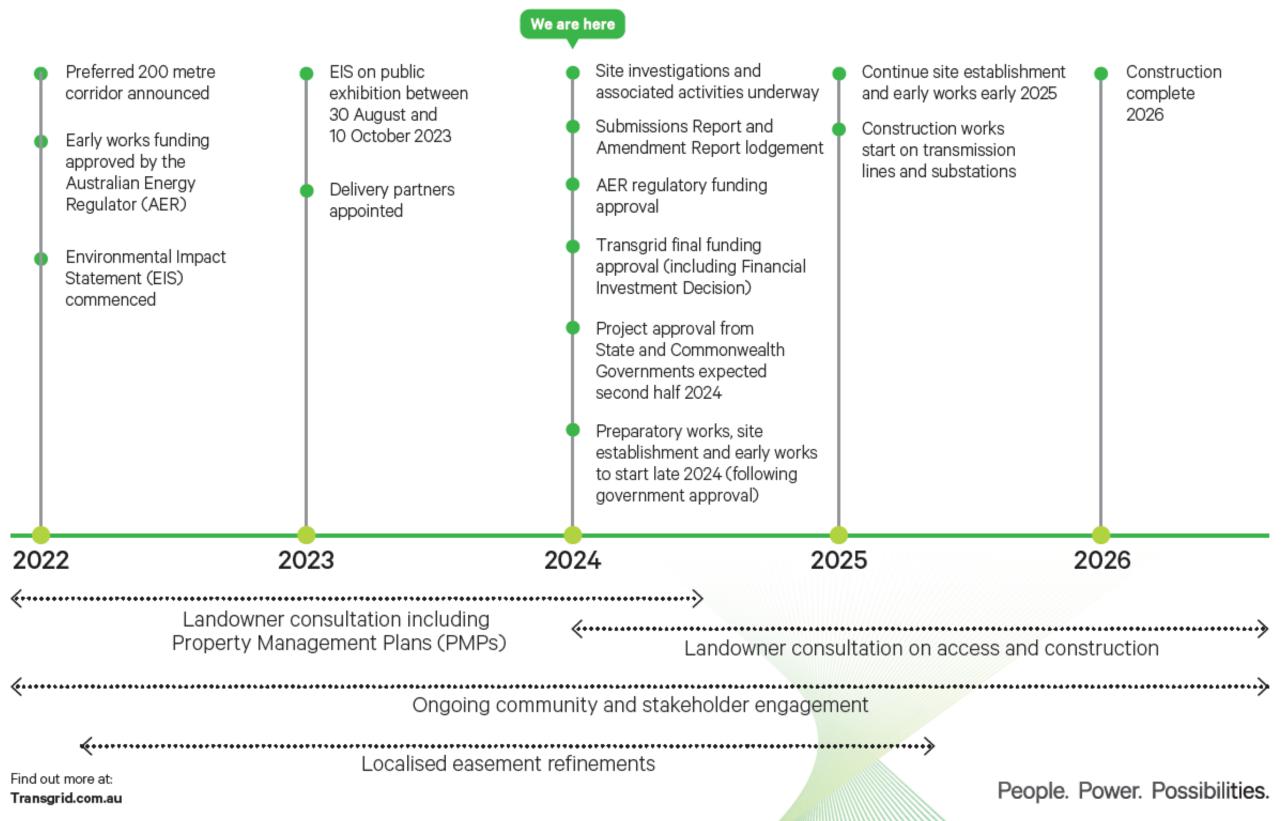


Project Update



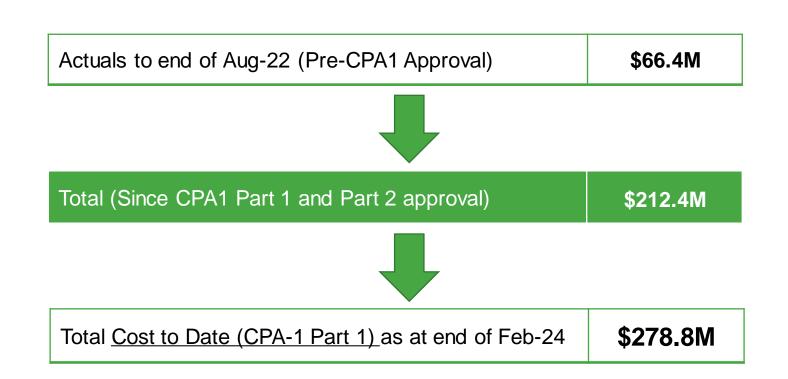
HumeLink key project dates



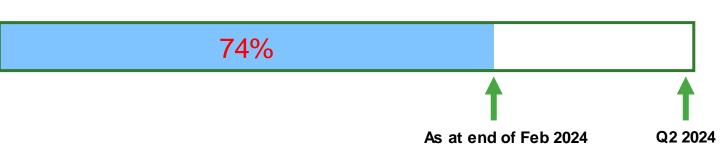


Project Update

Key activities	STATUS
CPA-2 Preparation (includes Financial Modelling & AEMO feedback loop)	Complete
Procurement of Delivery Contractor (EOI\ECI)	Complete
Procurement of Long Lead Equipment and Materials (booking of production slots and commence early design and prototyping works)	Well advanced
Delivery Contract (SP1) - Detailed Designs & Early Works	In progress
Community and Stakeholder Engagement Activities	Well advanced
Environmental Impact Statement (all technical studies for preparation and subsequent approval of EIS)	Well advanced
Concept Designs	Complete
Preliminary Investigations (Geotech and other studies)	Complete
Detailed Land Valuations & Landowner Negotiations	Well advanced
Land Option Agreements in place	Well advanced
Wagga Wagga 500kV Substation ('Gugaa') land acquisition	Well advanced



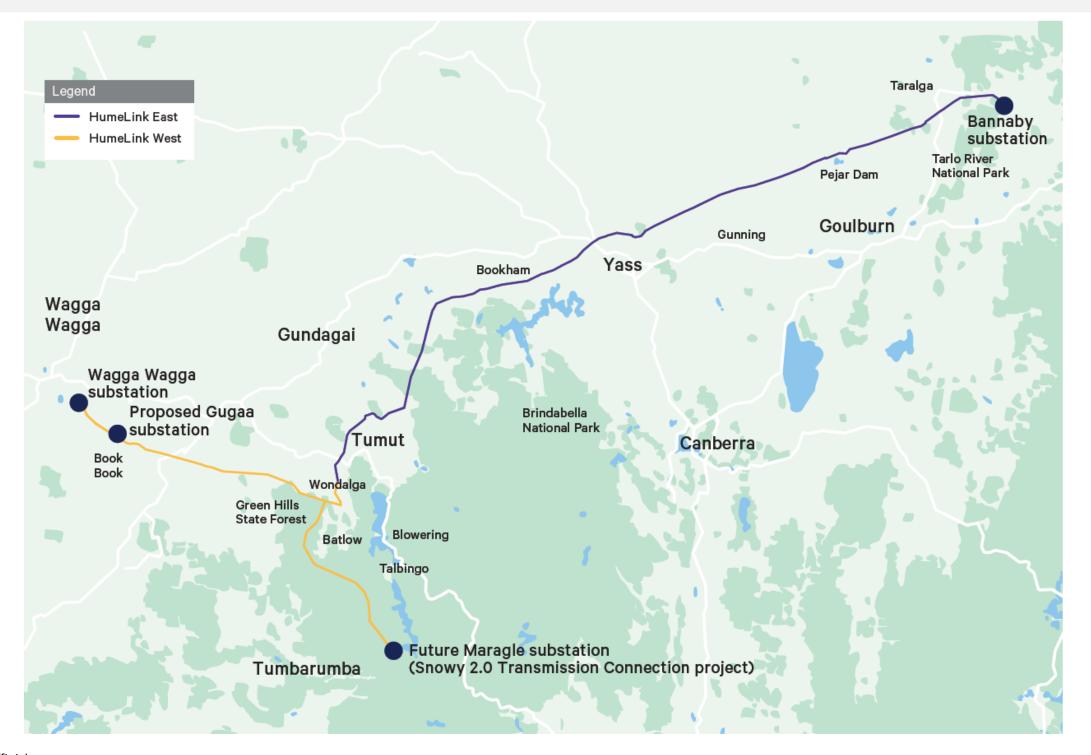
CPA 1 (Part 1)* Funding Envelope to Total Outturn Cost in 2024



*CPA1 Part 2 of \$227.9M, which is in addition to CPA1 Part 1 above, approved by AER in August for LLE. \$22M has been spent under this budget



Delivery Partner Introduction



HumeLink West



HumeLink East







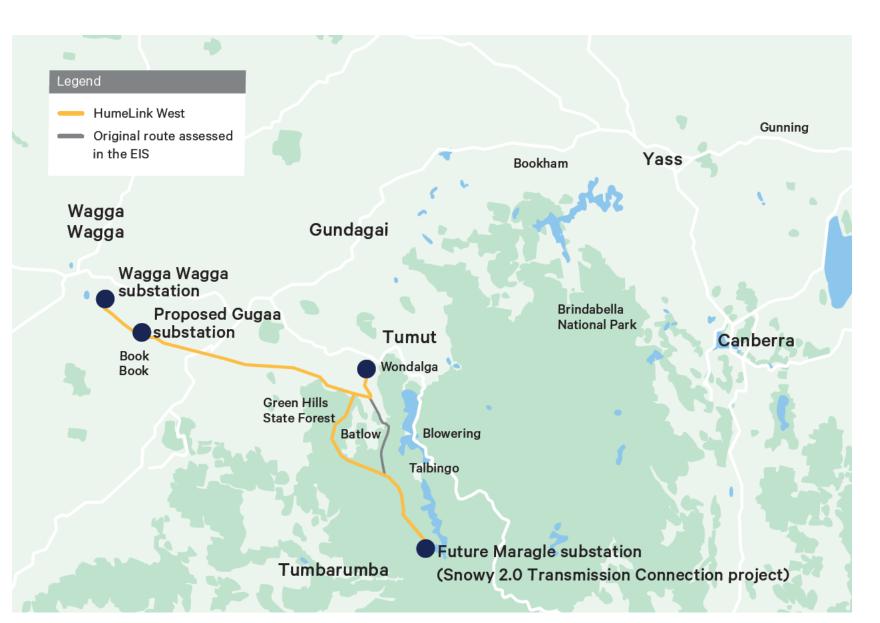
Delivery Partner Introduction – HumeLink West UGL Engineering Pty / CPB Contractors Pty Ltd



Jim Maniord
Project Director



Peter Cassuben
Community & Stakeholder Manager





Delivery Partner Introduction – HumeLink West

The UGL Engineering and CPB Contractors Joint Venture has been contracted by Transgrid to deliver HumeLink West.

- UGL Engineering and CPB Contractors are part of the CIMIC Group of companies
- **UGL** is a specialist end-to-end engineering and services provider working across sectors including energy and utilities, transport, technology, resources, defence, manufacturing maintenance, new energy and telecommunications.
- CPB Contractors is a leading construction contractor with over 12,000 people currently working on 65 major projects in Australia and New Zealand across key sectors including energy infrastructure, roads, rail, tunnelling, defence, building and resources.
- We're committed to delivering our projects safely and with respect and care for the environment and the communities in which we work.





Delivery Partner Introduction – HumeLink West UGL Engineering Pty / CPB Contractors Pty Ltd

- Co-designing legacy contributions with the community to help generate long-lasting positive local outcomes.
- Supporting people to access local education, training and employment pathways through the project
- Engaging young people in energy transition, construction, and STEM careers
- A focus on education and career pathways for young disadvantaged and Aboriginal students from years 7 to 12 to future employment opportunities
- Active pursuit and promotion of employment, training and procurement opportunities for Aboriginal people and businesses
- Employment of as many FTE apprentices and trainees across the project as possible through to project completion.





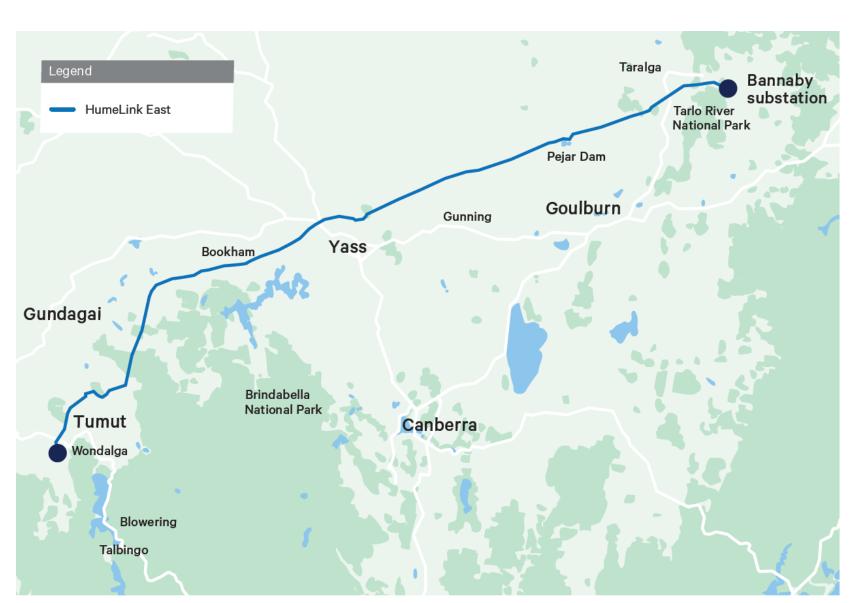
Delivery Partner Introduction – HumeLink East Acciona Construction Australia Pty Ltd / Genus Group Ltd



Carel NagelProject Director



Yvonne Varley
Community & Stakeholder Manager





Delivery Partner Introduction – HumeLink East Acciona Construction Australia Pty Ltd / Genus Group Ltd

The Acciona Genus Joint Venture has been contracted by Transgrid to deliver HumeLink East.

Acciona is a global leader in renewable energy and infrastructure solutions. Our commitment to economic, environmental, and social progress, Acciona actively drives the transition towards a low-carbon economy and is dedicated to contributing to a sustainable future in Australia

Genus is a specialist power and communications infrastructure and services provider operating across Australia. With years of practical experience across Australia, we design, build and maintain electrical transmission and distribution networks, substations and battery systems.

HumeLink East commits to clear and effective communication with landowners, businesses and the community through regular updates and newsletters, as well as an open-door policy where the Community Relations Team will meet in person, by phone or via internet to discuss any concerns and answer any questions.

HumeLink East will follow principles that grow respect, trust, confidence and build strong relationships.





Delivery Partner Introduction – HumeLink East Acciona Construction Australia Pty Ltd / Genus Group Ltd

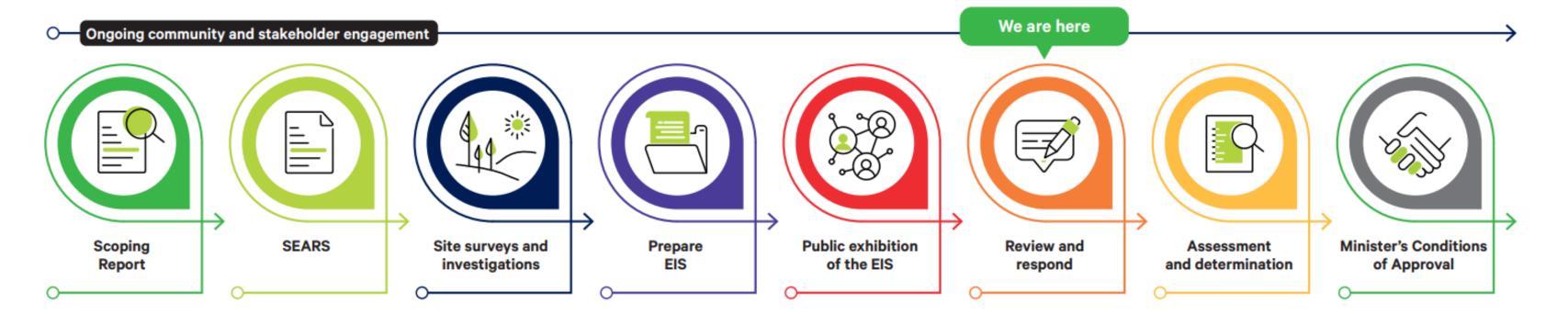


- Empower the local workforce by investing in skill development via preemployment training programs
- Provide an increase to local businesses through project engagement in a variety of support initiatives and where possible we will procure from local and Aboriginal businesses
- Promote economic inclusion with the contribution to economic activity in the Local Government Area and generating benefits for local communities along the route
- Collaboration with local schools, including STEM and sustainability programs
- Balancing growth with environmental sustainability within the project footprint in the Local Government Areas





Planning Approval Pathway





Amendment Report – proposed amendments and refinements

Green Hills State Forest route and other minor changes to the transmission line corridor

Nomination of access tracks

Updates to construction compounds and changes to worker accommodation facilities

Additional fibre cable connections to existing substations

Refinements:

- Transmission line and substation refinements
- Identification of indicative controlled blasting areas
- Access to water sources
- Use of helicopters and drones





Amendment Report – Traffic, transport and access



Line stringing over a local road

Assessment undertaken:

- Defined amended traffic study area
- Review of the revised oversize and over mass (OSOM) report
- Identify most efficient routes between construction compounds and accommodation facilities through spatial analysis
- Calculate traffic generation and distribution.

- Heavy vehicle movements, particularly on roads adjacent to substation sites and construction compounds
- Increased traffic volumes on local road network assessed as low
- Reduced road condition potential impacts most likely to occur on unsealed access roads to construction compounds
- Road closures transmission line stringing across roads may require temporary closures for a short duration.



Amendment Report – Noise and vibration



Noise logger measuring background noise

Assessment undertaken:

- Additional sensitive receivers and ambient noise monitoring locations to supplement the construction assessment in the EIS including:
 - New and amended construction compounds and worker accommodation facilities
 - Road traffic noise associated with access tracks/roads and intersection upgrades
 - Aircraft noise from helicopter and drone use
 - Controlled blasting and crushing at indicative locations.

- Temporary construction noise impacts from proposed construction compounds and accommodation facilities
- Construction road traffic noise impacts noticeable increase in noise levels during peak construction
- Aircraft noise from the use of helipads 13 potential locations five locations with predicted aircraft noise impacts
- Operational impacts from the proposed Gugaa 500 kV substation

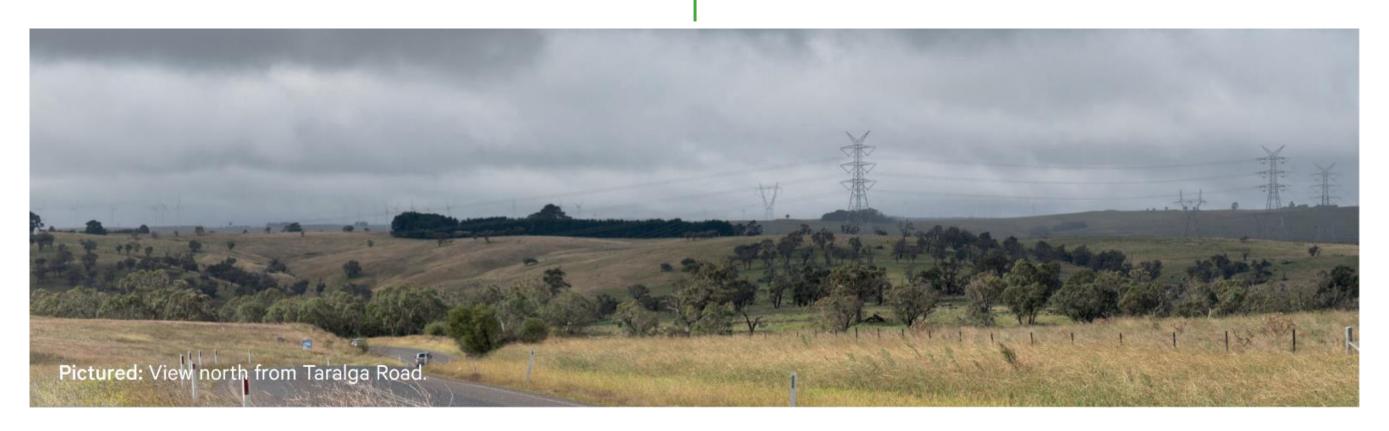


Amendment Report – Landscape character and visual amenity

Assessment undertaken:

- Site inspection to update the viewpoint assessment
- Adjustments to the landscape character areas
- Revised photomontages where amended project changed the view
- Additional 3D modelled views for non-easement affected dwellings

- Reduced landscape character impacts in the Tumbarumba rural valleys sub-character area
- An increase in the impact on the Green Hills forested hills sub-character area
- Increased visual impacts near the proposed Gugaa 500 kV substation
- Reduced visual impacts from Stewarts Road in Batlow.



Amendment Report – Aboriginal heritage

Assessment undertaken:

- Refining the predictive model for areas of sensitivity
- Field survey and test excavation of accessible properties
- Additional consultation with Registered Aboriginal Parties
- Revised ACHAR



Aboriginal heritage test excavation program area set up

- Total of 184 Aboriginal sites and potential archaeological deposits (PADs)
- Five sites outside of the amended project footprint but located close to access track upgrades
- Six sites outside of the amended project footprint but near the transmission line corridor
- Majority of sites have low scientific significance, 35 having moderate and three sites having high local scientific significance
- Approx. 2,554 hectares identified as high surface archaeological sensitivity and 2,450 hectares identified as moderate sensitivity.



Amendment Report – Land use and property

Assessment undertaken:

- The agricultural study area has been amended to include the amended project footprint and a buffer of 1.5 kilometres
- Updates to the Agricultural Impact Assessment and
- Land Use and Property Impact Assessment reports



- Potential land use impacts:
 - Amended project footprint intersects 645 hectares of additional forestry land
- Potential property impacts includes changes to:
 - temporary or permanent alterations to tenure or ownership arrangements (including temporary accommodation facilities and construction compounds and access tracks)
 - Travelling stock reserves (amended project footprint intersects 21 ha of TSR)
 - built environment (one additional dwelling within the project footprint compared to EIS)



Amendment Report Engagement update

Government agencies and council briefings

- Yass Valley Council
- Cootamundra-Gundagai Regional Council
- Goulburn
 Mulwaree Council
- Snowy Valleys Council
- Upper Lachlan Shire Council
- Wagga Wagga City Council

- Environmental Protection Authority
- Heritage Council
 NSW
- DPI Agriculture
- DPI Fisheries
- Transport for NSW
- Forestry Corporation NSW
- NSW Rural Fire Service

Advertisement for engagement activities

- Print and digital advertisements
- Social media advertisements
- Posters distributed in local towns
- Electronic Direct Mails (EDMs)

In-person and online engagement

- 15 Community Information Sessions 65 attendees
- 4 street meetings with RACH 6 attendees
- 3 online webinars 25 attendees



RACH at street meeting



Amendment Report engagement – Next steps

Next steps:

Stage 2 of Amendment Report engagement – Targeted community and stakeholder engagement to share information on the Amendment Report assessment outcomes.

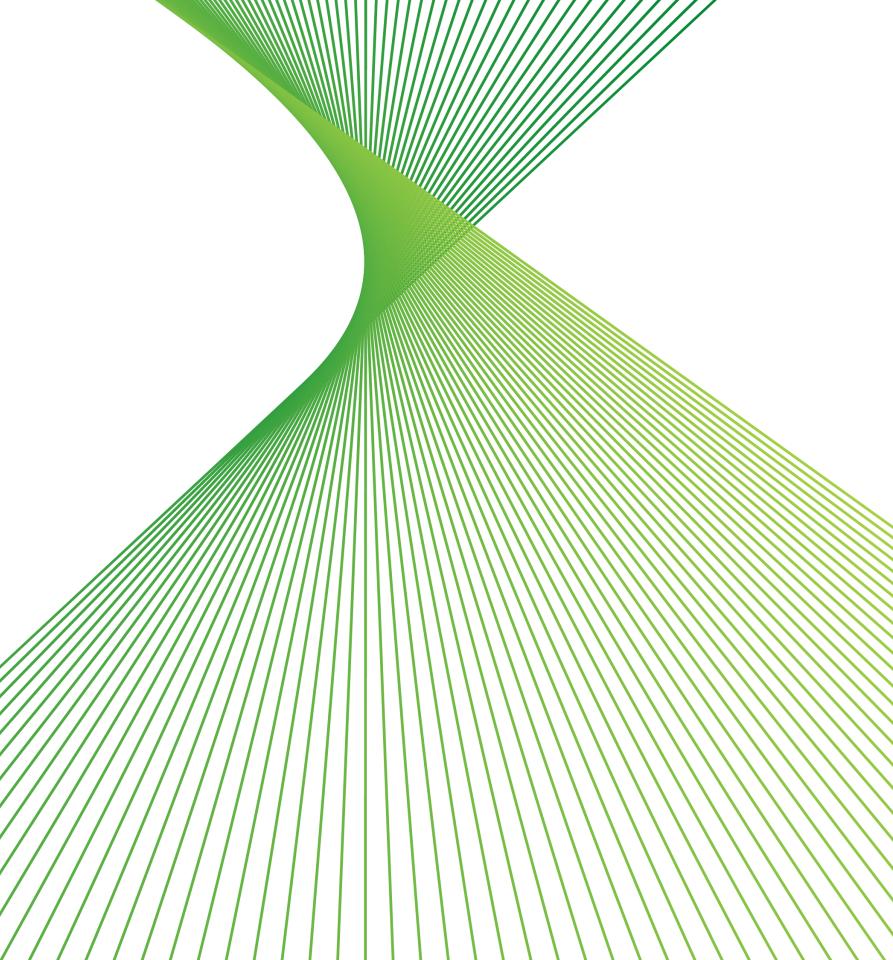
The engagement activities will include:

- Government agencies and council briefings
- Ongoing landowner one-one-one engagement
- Targeted engagement with near neighbours
- Information available on project website





Bushfire Management



Compliance & Risk Approach

Compliance Instruments

Electricity Supply (Safety and Network Management) Regulation 2014

A network operator must have a safety management system in place that is in accordance with AS 5577; and addresses the management of bushfire risk relating to assets capable of initiating a bushfire.

AS 5577 Electricity Network Safety Management

Standard exists for the support of:

- the safety of the public, and persons near or working on the network
- the protection of property and network assets
- safety aspects arising from the protection of the environment, including protection from ignition of fires by electricity networks
- safety aspects arising from the loss of electricity supply.

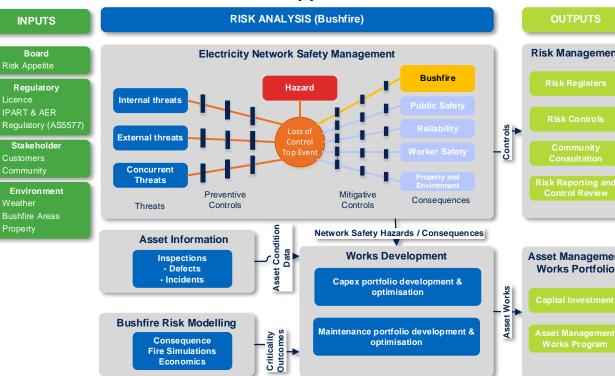
Risk Management Approach

We utilise a mature risk-based system to manage and mitigate bushfire risk to as low as reasonably practicable:

- Utilises a Formal Safety Assessment (Risk Approach)
- Executes a Bushfire Risk Management Plan
- Incorporates appropriate oversight and reporting committees for performance tracking and continuous improvement.
- System effectiveness is frequently assured through internal and external auditing.

Our **Bushfire Risk Management Plan** outlines the approach of proactively managing, and appropriately mitigating, our exposure to bushfire risks.

Risk Approach





Maintenance Activities (vegetation and transmission lines)

We manage over 13,000km of overhead transmission lines across NSW and ACT, 33% being in high bushfire risk areas. Our bushfire risk management practices are not new and have been refined over many years.

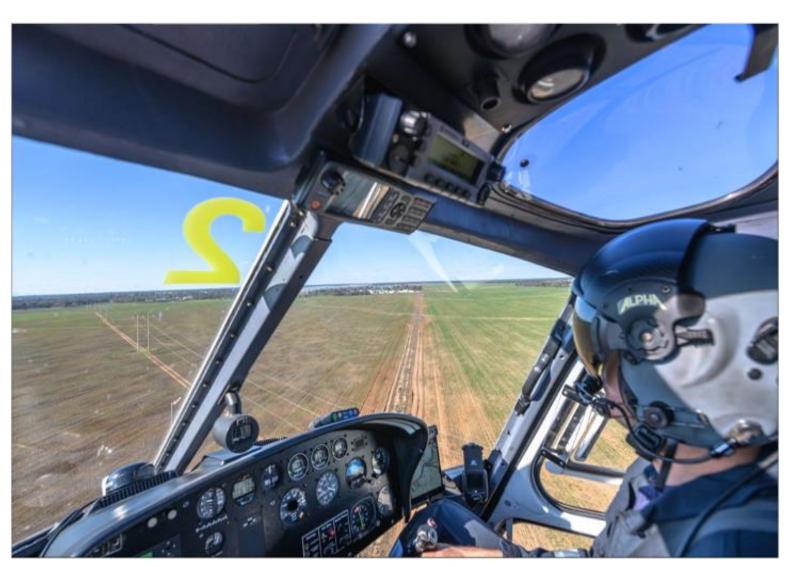
Key Maintenance Activities - Inspection Programs

1. Vegetation Management

- Ground easement inspection and vegetation management ensures clearances to transmission lines are maintained prior to the next maintenance cycle
- Annual LiDAR inspections prior to the bushfire season ensures unexpected growth or intrusions are identified and managed between routine inspections
- Off easement hazard tree management is prioritised based on quantified bushfire risk.

2. Transmission Lines

- Routine maintenance inspection tasks to detect defects and assess condition that helps identify longer-term condition-related deterioration of assets including:
 - Annual **aerial helicopter inspections** of network completed prior to bushfire season.
 - Annual **ground-based & drone inspections** of the transmission line structures (lines with highest potential bushfire risk undergo this annually).





Transmission Line Capital Projects – Bushfire focused

Transgrid manages and mitigates bushfire and public safety risk to **as low as reasonably practicable** - our capital programs are a key enabler

Portfolio of capital projects to further mitigate bushfire risk

- Scope and prioritisation is based on asset condition and relative bushfire and public safety risk at each location on the network
- Projects involve:
 - Targeted replacement/refurbishment of corroded fittings, insulators, steelwork, foundation, and conductor.
 - Targeted wood pole replacement with concrete/steel pole due to decay or termite damage.







Organisational Preparedness Assessment – 2023/24 Bushfire Season

Bushfire risk modelling

Phoenix bushfire risk models are current and operational.

<u>Insight</u>: The risk modelling enables enhanced confidence on decision making, and a prioritised effort driven program targeting potential high-risk sections of the network.

Pre-bushfire season maintenance program

Pre-season maintenance activities are forecast to complete prebushfire danger period. Oversight committees for corrective maintenance in-place for reporting and assurance.

<u>Insight</u>: Aims to provide a high degree of assurance our assets do not present bushfire risks prior to season commencement.

Detection and monitoring

Network Operations and field crews have adequate situational awareness of emerging fire events.

<u>Insight</u>: Provides good situation awareness to AMC/Control Room Operators, and field staff of potential emerging fire risks.

Continuity of Service

Network operating protocols and transmission system capability are robust to manage and mitigate bushfire threats, sufficient critical spares are available and response crews are trained and ready to be deployed if needed.

<u>Insight</u>: Mitigates network consequences from bushfire and ensures we can recover from failures rapidly.

Overall Assessment

Emergency Response & Coordination

Emergency and Crisis Management teams are continually trained and exercised a major escalating bushfire scenario in Sep-23. Relevant stakeholders are actively involved in emergency service and industry coordination forums.

<u>Insight</u>: Business is trained and ready to respond to a developing emergency bushfire situation.

Internal communications

Internal teams aware and ready to widely communicate commencement of bushfire danger periods.

<u>Insight</u>: Provides broad situational awareness to all staff.



Fire Management Activities - Guidance

If you are involved in fire management activities near transmission assets, the below are extracted from our published *Managing Bushfire Fact Sheet* (not exhaustive):



Fire in near proximity or under a transmission line can create electrical arcs ("flashover").



Maintain a **25-metre separation** from live transmission lines when active fires are burning under or directly adjacent to an easement (see figure to right).



At all times treat the line as live until clearance has been given by Transgrid personnel ON SITE.



Very unlikely egress routes will be impacted by transmission line flashover during a bushfire. Greatest risk in such a scenario is *fire overrun* given fire proximity requirements for a flashover.



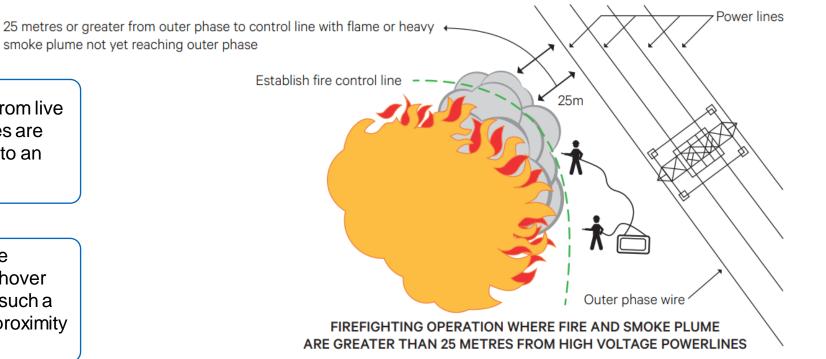
Emergency services may 'water bomb'on/around transmission lines



Machinery shall be limited to 4.3m in height when on an easement.



Height of an RFS CAT1 Heavy Tanker = 3100 mm + Aerials





For more information please visit our website page on Living and working near transmission lines.

https://www.transgrid.com.au/safety/managing-bush-fire-risk



Working with RFS

Transgrid maintains engagement with external stakeholders and specifically RFS via:

Bushfire Management Committees (BFMC)

Our staff attend BFMC meetings typically as observers and subject matter experts regarding Transmission electricity infrastructure

Disconnection / Safe Access

Operators coordinate RFS electricity disconnection requests during emergencies, affording safe access for firefighting activities.

Requests are considered against wider network security impacts of taking transmission lines out of service.

RFS ICON

We utilise RFS ICON to provide real-time situational awareness of threats, and access to established local emergency centres.

Agency Coordination

Bi-directional liaison with EUSFAC / emergency services / DNSPs regarding network threats and emergency situational awareness.

EUSFAC are the primary contact point for Transgrid during significant events, who then functionally coordinate with fire agencies.

Liaison Officers (LOs)

During fire emergencies our staff are often deployed to act as LOs during bushfires. They coordinate information regarding asset criticality, impacted infrastructure, and assist Transgrid field staff arrange fire ground access.

Regular Engagements

- Annual summer preparedness meetings with EUSFAC & RFS
- Quarterly EUSFA sub-committee meetings



Energy and Utility
Services Functional Area
(EUSFA)







Community Investment & Benefits Program



HumeLink Community Investment & Benefits (CIPB) strategic program focus areas:

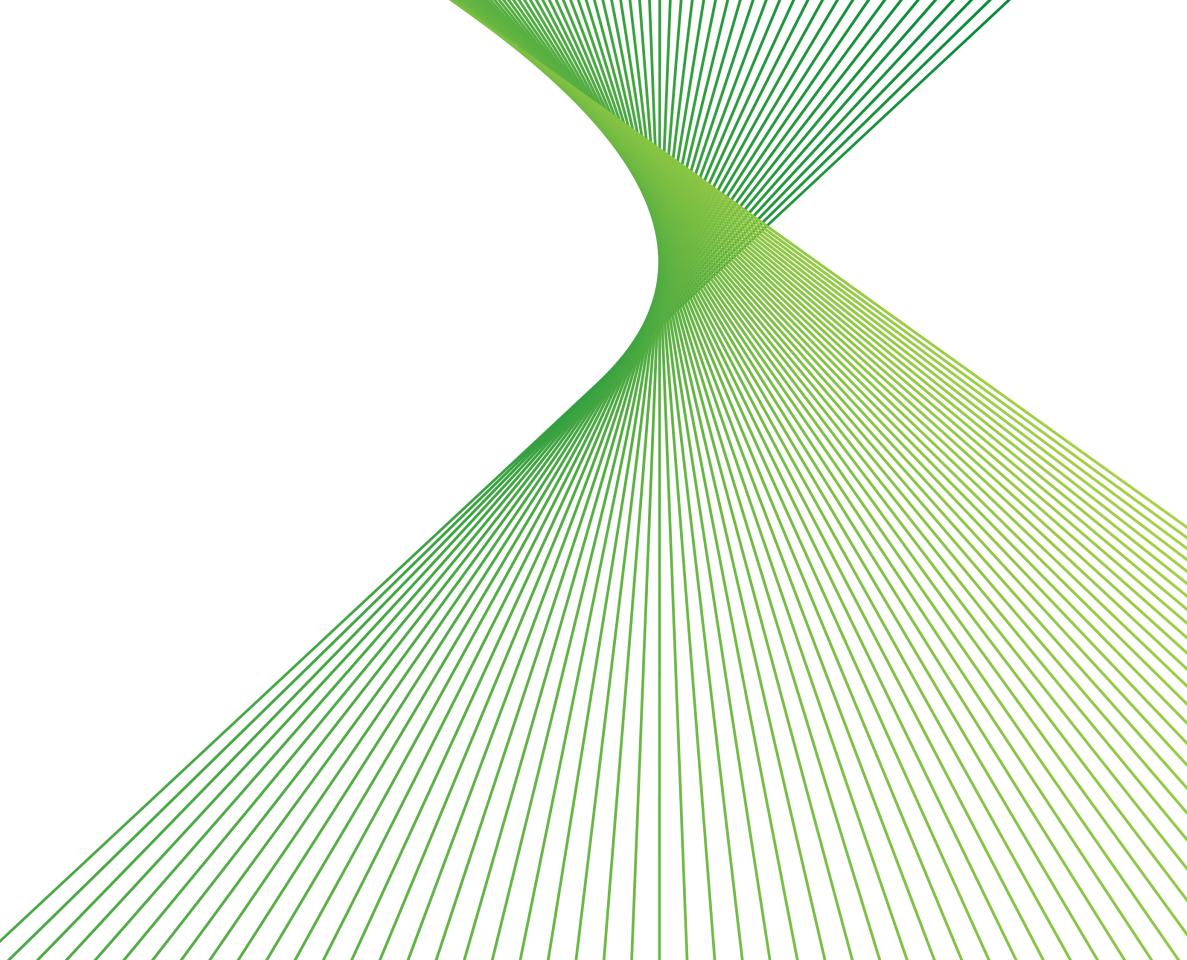
	Community Connection	Education and skills development	Local Industry Development	Transgrid social legacy initiatives	Care for Country
	ransgrid Community Partnership Program	 Transgrid Corporate Sponsorships 	 Local, Social and Regional Procurement Initiatives 	 Repurposing project assets for community benefit 	Transgrid Community Partnership Program
	ransgrid Corporate Sponsorships	Workforce Participation and Development	 Transgrid Corporate Sponsorships 	Community Infrastructure Development	Transgrid Corporate Sponsorships
V	ofrastructure Development with Lumea	Workforce Development Collaboration			Local, Social and Regional Procurement Initiatives
•	Employee engagement				

Community Investment & Benefits Program

- Transgrid and delivery partners are in the process of exploring and evaluating CIBP initiatives in accordance with local needs and Council Strategic Plans
- The proposed total Community Investment budget of \$15 million is pending approval by the AER
- Introduction of a monthly Social Impact Reporting system to measure and demonstrate CIB programs.
- Since 2020 Transgrid has awarded more than 215 community and non-profit organisations a combined \$1 million in grants to support a range of local initiatives.



Next Steps



Next steps

Transgrid will continue to engage with landowners and community

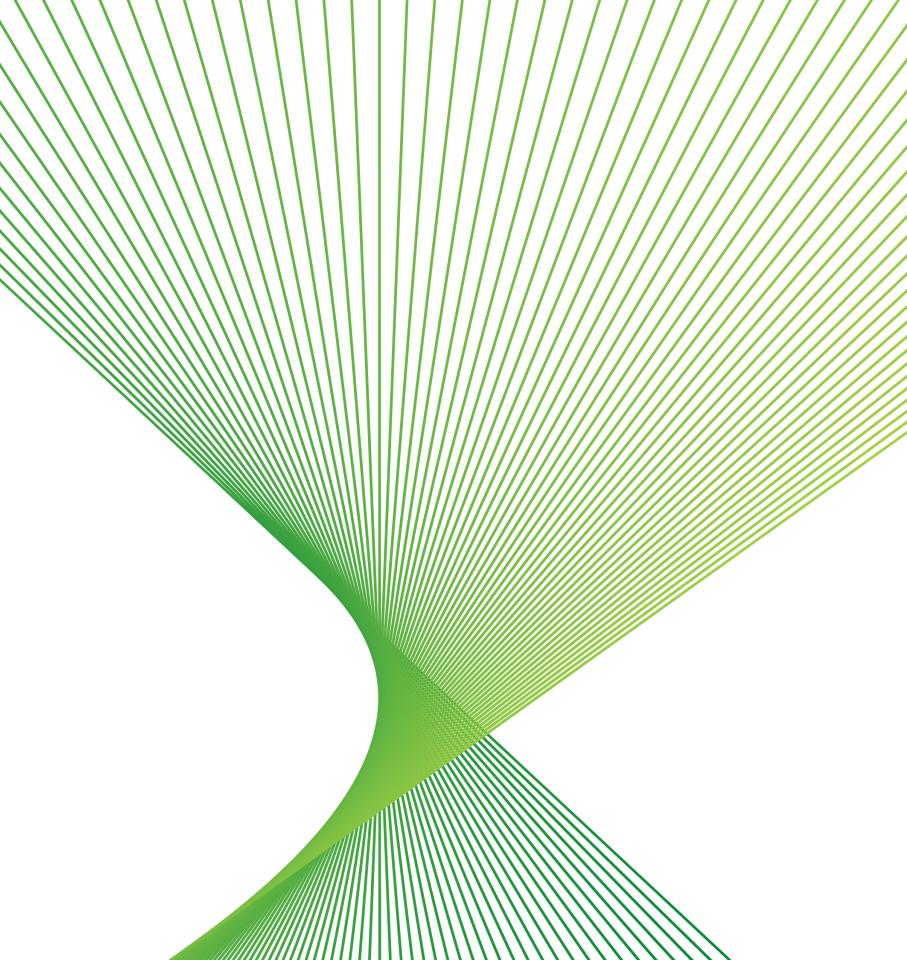
- Place Managers and Land Access Officers will continue to support and engage with landowners and will remain their primary contact
- We will continue to respond to enquiries and calls from landowners and other community members
- We will continue to respond to feedback raised through the EIS, to the Amendment Report, to the draft and formal Contingent Project Application Stage 2 (CPA2) and the Material Change of Circumstance assessment
- There will be ongoing community information face to face, in writing and on the website
- The HumeLink community information telephone number and email remain the same

1800 31 73 67 (free call) humelink@transgrid.com.au transgrid.com.au/humelink



Questions





Thank you

1800 31 73 67 (free call) humelink@transgrid.com.au transgrid.com.au/humelink HumeLink Community Engagement Team, PO BOX A1000, Sydney South, NSW 1235



Additional Slides



