TRANSPOWER

Transpower Customer Webinar

November 2026



November 2026

Opening **Karakia**

Kia tau te rangimarie
O te Rangi e tū iho nei
O Papatūānuku e takoto nei
O te taiao e awhi nei
Ki runga i a tātou
Tihei Mauri ora

Translation

Let the peace
of the sky above us
of the earth laid out here
and of the all-embracing universe
settle upon us
Breathe the breath of life

Topic	Presenter	Time
Welcome, agenda and karakia	Tim Duguid, Head of Customer and Commercial	11:00 – 11:05
Delivering connections together – the EA's review of Transpower's process for managing grid connections	Greg Smith, CFO	11:05 – 11:20
Connections update – new CMF for Load and Other projects	Rupert Holbrook, Customer Connections Projects Director Tim Duguid	11:20 – 11:30
New webpages for customers and stakeholders	Trudy Shannon, Communications Specialist	11:30 – 11:40
Growing grid capacity: Our Major Capex Proposal programme	Rupert Holbrook	11:40 – 11:45
Customer calendar overview	Rupert Holbrook	11:45 – 11:50
Q & As	Graham McMurtry, Customer Solutions Advisor Anna Smaill, Communications	11:50 – 11:55
Ngā mihi e karakia	Graham McMurtry	11:55 – 12:00

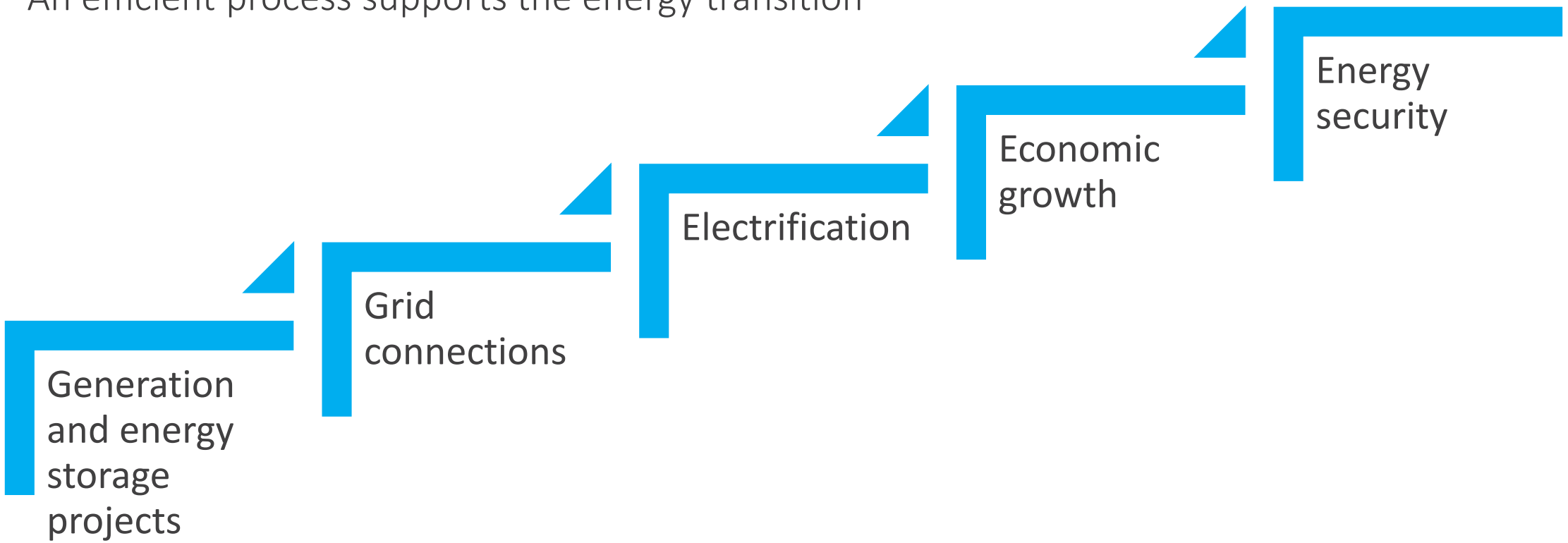
Delivering connections together

The Electricity Authority's review of Transpower's process for managing grid connections

Greg Smith, CFO

Why review?

- Significant growth in grid connections activity
- Customers and investors need confidence in the process
- An efficient process supports the energy transition



What the review found

- ✅ Process is generally effective, efficient and fair
- ✅ Broadly comparable with international practice
- ✅ Significant improvement since CMF introduced
- ✅ Improved management, despite growth
- ✅ Prioritising readiness has delivered results
- ✅ Opportunities to further mature predictability, transparency and responsiveness



What customers told the reviewers

You value:

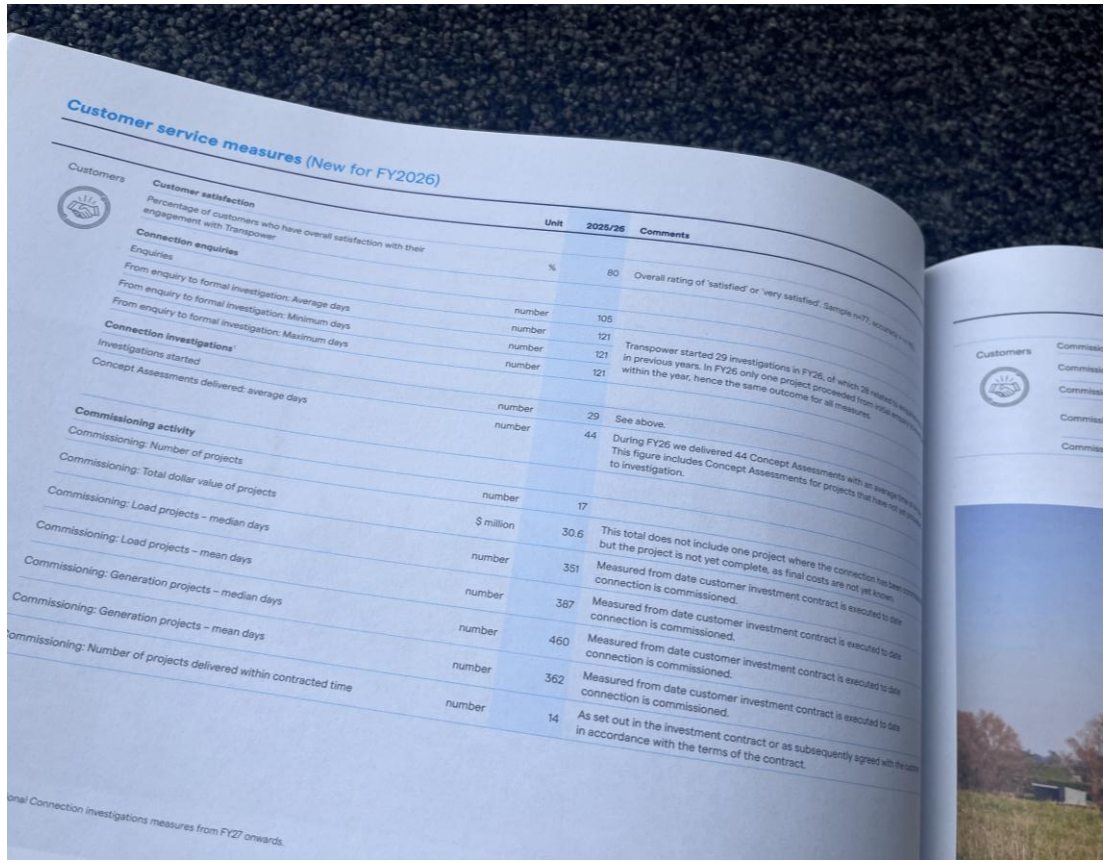
- proactive engagement
- direct discussions
- visibility of the process
- clear expectations

We're focusing on:

- greater transparency
- greater predictability – providing earlier certainty of time, cost and risks (for example through agreed Solution Proposals)
- allocating resources to deliver projects faster
- continued performance reporting



Indicators (FY2026)



Customer service measures (New for FY2026)

		Unit	2025/26	Comments
Customers	**Customer satisfaction** Percentage of customers who have overall satisfaction with their engagement with Transpower	%	80	Overall rating of 'satisfied' or 'very satisfied'. Sample (n=71), accuracy +/-11%
	Connection enquiries Enquiries	number	105	
	From enquiry to formal investigation: Average days	number	121	
	From enquiry to formal investigation: Minimum days	number	121	Transpower started 29 investigations in FY26, of which 28 related to enquiries in previous years. In FY26 only one project proceeded from initial enquiry to investigation within the year, hence the same outcome for all measures.
	From enquiry to formal investigation: Maximum days	number	121	
	Connection investigations[1] Investigations started	number	29	See above.
	Concept Assessments delivered: average days	number	44	During FY26 we delivered 44 Concept Assessments with an average time of 44 days. This figure includes Concept Assessments for projects that have not yet moved to investigation.
	Commissioning activity Commissioning: Number of projects	number	17	
	Commissioning: Total dollar value of projects	$ million	30.6	This total does not include one project where the connection has been commissioned, but the project is not yet complete, as final costs are not yet known.
	Commissioning: Load projects – median days	number	351	Measured from date customer investment contract is executed to date connection is commissioned.
	Commissioning: Load projects – mean days	number	387	Measured from date customer investment contract is executed to date connection is commissioned.
	Commissioning: Generation projects – median days	number	460	Measured from date customer investment contract is executed to date connection is commissioned.
	Commissioning: Generation projects – mean days	number	362	Measured from date customer investment contract is executed to date connection is commissioned.
	Commissioning: Number of projects delivered within contracted time	number	14	As set out in the investment contract or as subsequently agreed with the customer in accordance with the terms of the contract.

onal Connection investigations measures from FY27 onwards.

- 80% customer satisfaction
- 105 connection enquiries
- Average concept assessment completed in 44 days
- 29 formal investigations commenced
- 17 projects commissioned

Connections update

Rupert Holbrook, Customer Connection Project Director



As at 8 November 2026

Generation Connection Pipeline

Generation and energy storage

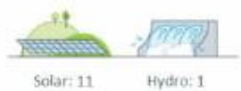


1 Application

30 Projects



Wind: 12 Geothermal: 1



Solar: 11 Hydro: 1



Battery: 15 Other: 1

(10,999 MW)

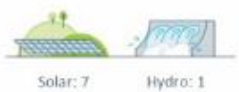


2 Solution Proposal

16 Projects



Wind: 8 Geothermal: 2



Solar: 7 Hydro: 1



Battery: 5 Other: 0

(5,162 MW)

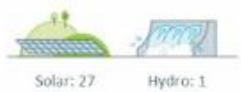


3 Investigation

37 Projects



Wind: 8 Geothermal: 0



Solar: 27 Hydro: 1



Battery: 14 Other: 1

(9,098 MW)



4 Delivery

Design

13 Projects



Wind: 2 Geothermal: 0



Solar: 12 Hydro: 0



Battery: 7 Other: 0

(2,848 MW)

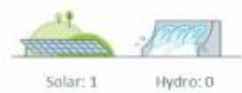


Construction

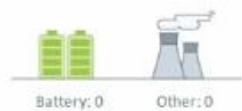
2 Projects



Wind: 0 Geothermal: 1



Solar: 1 Hydro: 0



Battery: 0 Other: 0

(258 MW)



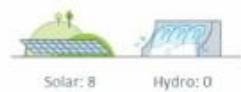
5 Energised

in the last 12 months

14 Projects



Wind: 2 Geothermal: 2



Solar: 8 Hydro: 0



Battery: 2 Other: 0

(980 MW)

Following an update to Transpower's customer management tools during October 2025, stage counts still show the number of Transpower connections, while generation and storage technologies are now tracked individually, so technology counts represent the number of technologies connecting. Each connection may have more than one technology, e.g. Solar + BESS. Number of projects includes those currently on hold at the customer's request (17 in investigation, 3 in delivery). Energised counts grid connected projects where the connection was livened plus embedded projects (of at least 10MW) that began customer asset commissioning in the last 12 months. These are not counted toward the total pipeline number.

Total pipeline = 98 projects (28,365 MW)

As at 8 November 2026

Other customer projects pipeline

Network upgrades and new load projects



1 Application

4 Projects



Electricity network upgrades: 1



Electrification projects: 0



Industrial load: 3



Other: 0



2 Solution Proposal

9 Projects



Electricity network upgrades: 3



Electrification projects: 2



Industrial load: 4



Other: 0



3 Investigation

39 Projects



Electricity network upgrades: 25



Electrification projects: 0



Industrial load: 4



Other: 12



4 Delivery

Design

13 Projects



Electricity network upgrades: 6



Electrification projects: 0



Industrial load: 5



Other: 2



Construction

6 Projects



Electricity network upgrades: 4



Electrification projects: 0



Industrial load: 0



Other: 2



5 Completed

in the last 12 months

11 Projects



Electricity network upgrades: 8



Electrification projects: 2



Industrial load: 1



Other: 0

Megawatt totals are not provided in this infographic, as megawatt capacity increases are not useful measures of grid use. The category "Other" includes customer projects not captured by other categories; these are primarily transmission line relocation projects. Some projects include more than one component, hence the different totals at a component level. More details are available in our monthly customer project spreadsheets.

Total pipeline = 71 projects

CONNECTIONS

Connection projects underway

Future connection projects

Information for connection project owners

Should I connect to the grid or my local network?

Connecting to the grid

➔ Updates to our Connections Management Framework

Connecting generation through a local network

Engage with us

Plan using our network capacity maps

Key documents for connection projects

Updates to our Connections Management Framework

In November 2026, we published a new Connections Management Framework.



The connections process manages how new generation and load connect to the grid, enabling renewable investment, electrification, and security of supply.

From 2019, enquiries for connections to the grid increased sharply, putting ongoing pressure on our processes and resources.

In response, we introduced a Connections Management Framework (CMF) in 2022, shifting from a first-in, first-served approach to a more staged, readiness-based model.

Read our current Connections Management Framework (4.0).

Other guidance updates

TRANSPOWER

TP.DG 48.01
Issue 1
Nov 2026

Transpower Controlled Document

Guidance for new connections to the grid

Summary

The purpose of this document is to provide new connection applicants (generation or demand) with guidance on connecting to New Zealand's transmission grid, including the types of connection configurations that Transpower offers and why.

Establishing connection principles and standard designs for connection configurations will ensure consistency with good electricity industry practices and enable provision of services at acceptable levels of security, reliability, availability, and affordability.

Document Status: **Approved**

Implementation Date: December 2026

PENDING

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Security Classification: IN CONFIDENCE

TRANSPOWER

Technical Guideline for Commissioning Large Loads

GL-EA-1370

TP Ref: GL-EA-1370
Status: Issued
Approval Date: 15/10/2026



Ongoing TPM Operational Review Reminder

BBC consultation webinar: **Wednesday 25 November at 1pm**

This consultation is part of our broader TPM Operational Review. It focuses on how BBC calculations and inputs could be improved and streamlined so that stakeholders can forecast changes with confidence.

Get in touch to request the link:
tpmreview@transpower.co.nz

For further info on the consultation:
TPM Operational Review – BBC Workstream | Transpower

New webpages for connections information

Trudy Shannon, Communications Specialist

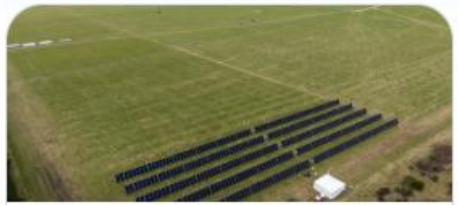
Connections

We're working at pace to connect new generation, storage and load to increase reliable electricity supply for all New Zealanders.



Connection projects underway

A map with details about the projects we are currently connecting to the national grid.



Future connection projects

We publish information about the pipeline of future grid connection projects monthly, supported by a framework that ensures projects that are ready to progress are prioritised.

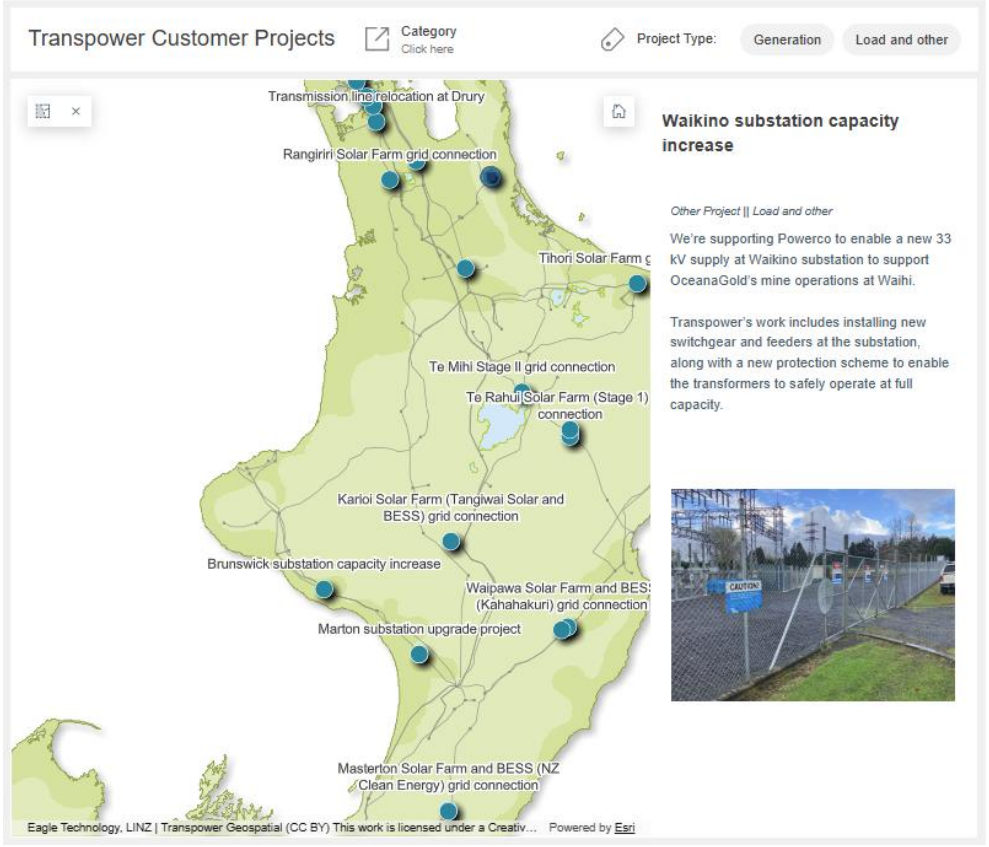


Information for connection project owners

Key information for project owners wanting to connect to Aotearoa's national grid.

Customer projects

- Introduced a map showing projects in the delivery stage
- Aim is to show the breadth and location of projects underway
- Can search using technology types, and whether generation or load/other
- It reflects information already publicly available from the downloadable Excel files we publish each month
- This year we will add the projects completed in the last couple of years
- Progress photos will be added over time



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ABOUT US CONNECTIONS OUR WORK SAFETY PROJECTS SYSTEM OPERATOR RESOURCES

CONNECTIONS / Information For Connection Project Owners

Information for connection project owners

View Edit Subscribers Delete Layout Revisions

Key information for project owners wanting to connect to Aotearoa's national grid.



Should I connect to the grid or my local network?

Deciding where to connect will have a significant impact on your connection costs.



Connecting to the grid

A high-level look at the process for getting your project connected to Aotearoa's national grid.



Connecting generation through a local network

Find information about what's required before connecting to a local network.



Engage with us

We'd love to hear from you if you have questions or are interested in connecting to New Zealand's national grid.



Plan using our network capacity maps

Understand our network, its capacity, and where your project could fit in.



Key documents for connection projects

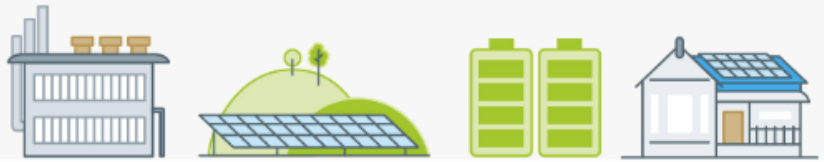
The most frequently used documents, and guides for different types of connections and for specific topics.

Connecting to the grid – process overview

New connection process — new generation, battery storage, or load

Customer asset workstream

Customer:
Plan, design and build new generation, battery storage, or load



Grid connection workstream

Together:
Progress your connection through Transpower's process, from initial enquiry to energised grid connection



Operational data integration workstream

Together:
Ensure connectivity is in place, the right information signals are exchanged and your data is integrated with our system for power system and market operation



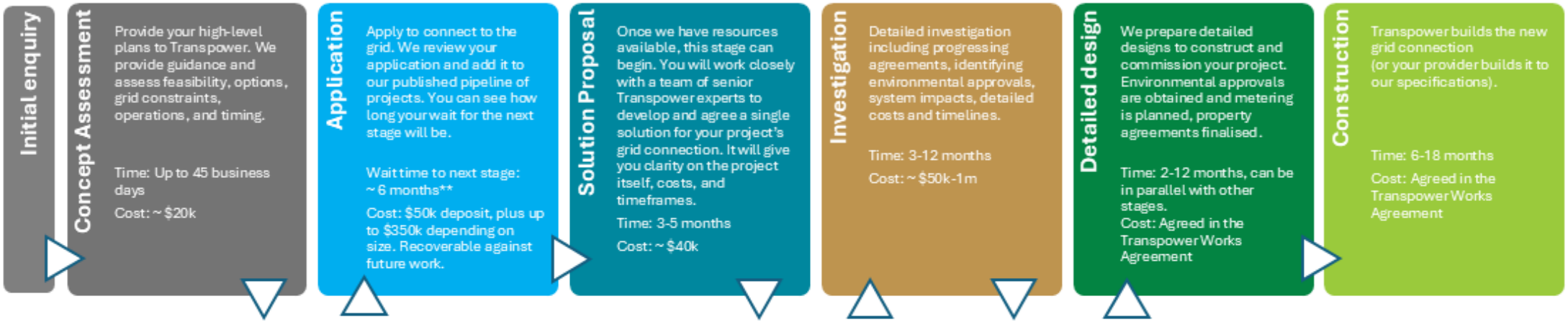
Commissioning workstream

Together:
Test and commission new assets onto the power system, compliant with standards, safety & configuration



New grid connection and **new customer assets** energised

Connecting to the grid – connection workstream



* Note the process is different for most electricity distribution business projects
** Wait time can differ by nature between generation, storage and load projects
*** Total time is at the low end of this range where project owners undertake process stages in parallel, or for straightforward connection projects. The high end of the range is an indication of a large, complex connection with work only undertaken in sequence

Growing grid capacity: our Major Capex Proposal programme

Rupert Holbrook, Customer Connections Projects Director

Current and upcoming MCP consultations

What	When	Details
Waikato Regional Interconnection Capacity (WRIC) – short list consultation	Currently open; closes 2 December	*We've shortlisted two potential grid connections: a new connection at Hamilton East and one near Ōtorohanga. Hamilton East is our current preferred option. Alongside these transmission options, we are also exploring non-transmission solutions (NTS) as part of our strategy, including grid-scale batteries and demand management.*
Lower South Island – long list consultation	Expected out this month	*Seeking early signals of future planned investment in the region, as well as feedback on the kind of infrastructure development people wish to see. The consultation will support Transpower's options for the best timing and order for new electricity infrastructure.*
Cross-Auckland transmission capacity – long list consultation	Coming in the next few months	*Seeking input on a longlist of investment options to meet the future electricity needs of north Auckland and Northland as the region grows and electrifies.*
HVDC controls system consultation (HVDC Stage 2 – updated cost estimates)	Expected before end of year	*This consultation reflects new information and some minor shifts in cost estimations for the proposed update to the HVDC controls systems. The project is a minor subset of the broader HVDC upgrade programme.*

MCP (and listed project) submissions with the Commerce Commission

- The **Waikato and upper North Island (WUNI) stage 2 proposal** was submitted to the Commerce Commission this month. We are proposing a range of solutions including grid upgrades and advanced technologies, as well as non-transmission solutions as part of our future strategy.

- Our **Huntly-Ōtāhuhu listed project** application will be submitted to the Commission in December. This is a reconductoring project for two sections of 220 kV duplex lines that are a critical part of the upper North Island system.

- We are anticipating final approval from the Commission on our **upper South Island (USI) upgrade project proposal** before the end of the year. Transpower has proposed two new switching stations, an upgrade of two transmission lines and installation of voltage management equipment, as well as $7 million toward NTS solutions. We received draft approval for our $193 million investment proposal in December 2025.





Customer calendar overview

	2026		2027					
	November	December	January	February	March	April	May	June
General updates								
News from Transpower - Regular customer newsletter, second Wednesday of each month except January								
Customer webinar - Bimonthly updates from subject matter experts and the Customer & Commercial team								
Charges and pricing activity								
Annual pricing process	We provide draft prices	We confirm prices			We advise you of any adjustments since Dec	New prices take effect		
TPM Operational Review consultations	BBC Consultation 1			BBC Consultation next steps announced				
TPM consultations on approved major investments						Redclyffe substation rebuild		
System operator consultations								
System operator consultations	2027 SOSA Reference Case and Assumptions	Policy Statement 2027 (TBC)				2027 SOSA		
System Operator Publications	Quarterly Security of Supply Outlook	Refreshed System Operator Strategy		Quarterly Security of Supply Outlook			Quarterly Security of Supply Outlook	2027 SOSA

Customer calendar overview, cont

	2026		2027					
	November	December	January	February	March	April	May	June
Consultations on Transpower investments								
Major Capex Proposal - Lower South Island	Longlist consultation							
Major Capex Proposal - Waikato Regional Interconnection Capacity (WRIC)	Shortlist consultation							
Major Capex Proposal - HVDC Stage 2 - Controls system		Shortlist consultation						
Major Capex Proposal - Cross-Auckland transmission capacity		Longlist consultation					Shortlist consultation	
Major Capex Proposal - Brunswick-Stratford			Longlist consultation			Shortlist consultation		
Major Capex Proposal - NZGP1 Wairakei Ring						Shortlist consultation		
Major Capex Proposal - Tararua						Shortlist consultation		
RCP 5 Preparations							Season One consultation engagement	

Customer calendar overview, cont

	2026		2027					
	November	December	January	February	March	April	May	June
Key Transpower publications								
				Winter outlook 2027, Interim Report, and Te Kanapu - draft Grid Blueprint	Te Kanapu - Grid Blueprint (timing TBC)	Security of Supply Assessment (10-year outlook)		
Transpower events								
					Consumer Advisory Panel			Applications for STAR Awards close
Events we'll be attending or speaking at - come and chat!								
	NZ Power Summit - 25 Nov				*Downstream*	*Field Days Kirwee*	*Electrify Queenstown*	*Field Days Mystery Creek*
	Nov 26-27 OERC Dunedin							

Questions

Thank you

www.transpower.co.nz

Closing **Karakia**

Unuhia, unuhia,
Unuhia ki te uru tapu nui
Kia wātea, kia māmā, te ngākau,
Te tinana, te wairua, i te ara tangata
Koia rā e Rongo, whakairia ake ki runga
Kia tina! Tina! Hui e! Tāiki e!

Translation

Draw on, draw on
draw on the supreme sacredness
to clear, to free the heart,
the body and spirit of humankind
That is Rongo suspended high above us
Draw together! Affirm!