



TRANSPOWER

Te Kanapu consultation 2: Potential scenarios

Feedback form



What do our future energy needs look like? How can electricity support economic growth across Aotearoa in 2050 and beyond?

We've developed five draft scenarios looking at possible futures for our country and what it means for electricity demand. Now we'd like to hear from you. What are your thoughts on how regions across Aotearoa might grow? Have we got it right? What else do we need to know?

This feedback form is designed to be filled out after reading our consultation document, available at transpower.co.nz/our-work/te-kanapu/consultations/consultation-2-potential-scenarios

About you

Who are you making this feedback on behalf of?

☐ Myself

☐ A company

☐ An organisation

☐ Other (please specify)

Name

Email address

Role

Company / Organisation

Our draft scenarios

These questions are about the five draft scenarios on pages 8 – 17 of the consultation document.

1. Which scenario(s) best reflect(s) your ambition for Aotearoa?
2. Are the scenarios plausible and useful for developing the future grid blueprint?

Scenario One: Patchwork Nation (pages 8 – 9)

3. Are these the drivers and industries you would expect to see in this scenario?
4. Does the generation mix seem logical?
5. Are there other actions or factors we have missed?

Scenario Two: Aotearoa electrified (pages 10 – 11)

6. Are these the drivers and industries you would expect to see in this scenario?
7. Does the generation mix seem logical?
8. Are there other actions or factors we have missed?

Scenario Three: Global green rush (pages 12 – 13)

9. Are these the drivers and industries you would expect to see in this scenario?

10. Does the generation mix seem logical?

11. Are there other actions or factors we have missed?

Scenario Four: Made in Aotearoa (pages 14 – 15)

12. Are these the drivers and industries you would expect to see in this scenario?

13. Does the generation mix seem logical?

14. Are there other actions or factors we have missed?

Scenario Five: Aotearoa intelligence (pages 16 – 17)

15. Are these the drivers and industries you would expect to see in this scenario?

16. Does the generation mix seem logical?

17. Are there other actions or factors we have missed?

The future of Aotearoa's regions and implications for the power system

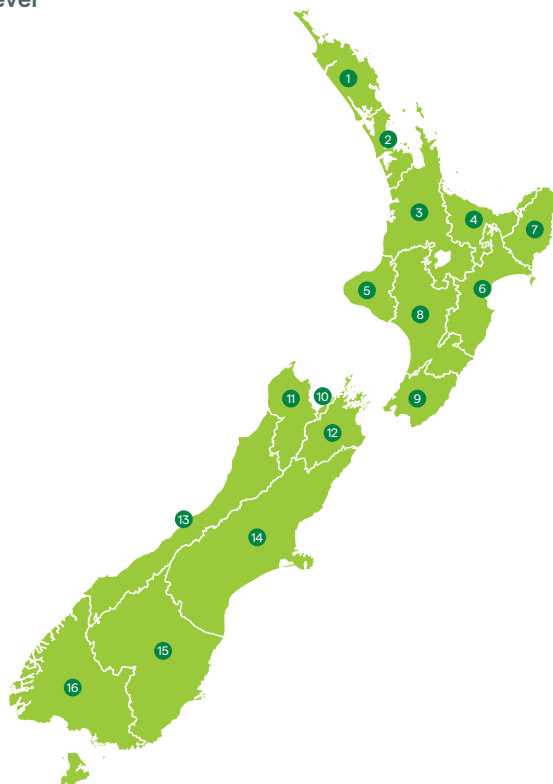
These questions are about the regional implications on page 28. Please answer about as many regions as you want, making it clear in the text box which region(s) you are referring to.

Questions you may wish to consider include:

- Who will be living in this region and how will they use energy?
- What will be the main drivers of economic growth in this region?
- What will be the main drivers of electricity demand growth in this region?
- What other regional economies will grow and what do you think will be driving that growth?
- Where will the main demand drivers of electricity demand be located?

Key drivers of current economic activity at a regional level

1. Northland: agriculture, forestry, fisheries, fuel processing
2. Auckland: urbanisation, services, technology, international migration, manufacturing
3. Waikato: agriculture, dairy, energy infrastructure
4. Bay of Plenty: logistics, horticulture, tourism, energy infrastructure, manufacturing
5. Taranaki: energy (oil & gas, hydrogen), manufacturing
6. Hawkes Bay: agriculture, viticulture, food processing
7. Gisborne: forestry, agriculture
8. Manawātū-Whanganui: agriculture, logistics, education, food and fibre
9. Wellington: public sector, technology, scientific research
10. Nelson: tourism, seafood, horticulture
11. Tasman: tourism, viticulture
12. Marlborough: viticulture, tourism
13. West Coast: mining, tourism
14. Canterbury: agriculture, manufacturing, logistics, energy transition, aerospace
15. Otago: tourism, education, viticulture
16. Southland: agriculture, forestry, energy, manufacturing, seafood



Drivers of demand growth by sector

Aviation (pages 30 – 31)

18. What do you think about the opportunities for and extent of growth we outlined?

19. Have we got the right locations of potential growth?

20. What challenges and other things have we missed?

Shipping (page 32)

21. What do you think about the opportunities for and extent of growth we outlined?

22. Have we got the right locations of potential growth?

23. What challenges and other things have we missed?

Data centres (page 33)

24. What do you think about the opportunities for and extent of growth we outlined?

25. Have we got the right locations of potential growth?

26. What challenges and other things have we missed?

Primary industries (pages 34 – 35)

27. What do you think about the opportunities for and extent of growth we outlined?

28. Have we got the right locations of potential growth?

29. What challenges and other things have we missed?

Commercial, industrial and residential electricity (pages 36 – 37)

30. What do you think about the opportunities for and extent of growth we outlined?

31. Have we got the right locations of potential growth?

32. What challenges and other things have we missed?

Land transport (page 38)

33. What do you think about the opportunities for and extent of growth we outlined?

34. Have we got the right locations of potential growth?

35. What challenges and other things have we missed?

Thank you

36. Is there anything else you think we should consider?

Consultation is open until 5pm, Friday 14 November.

Thank you for sharing your knowledge with us. Your insights will help to develop a future grid blueprint for Aotearoa. Any information you provide will only be used for the purposes of the Te Kanapu programme. If there is information that you share with us that you wish to keep confidential for commercial or other purposes, please include a note to that effect.

If you have any questions, please email us: feedback@transpower.co.nz