

Our major customer works process - electricity



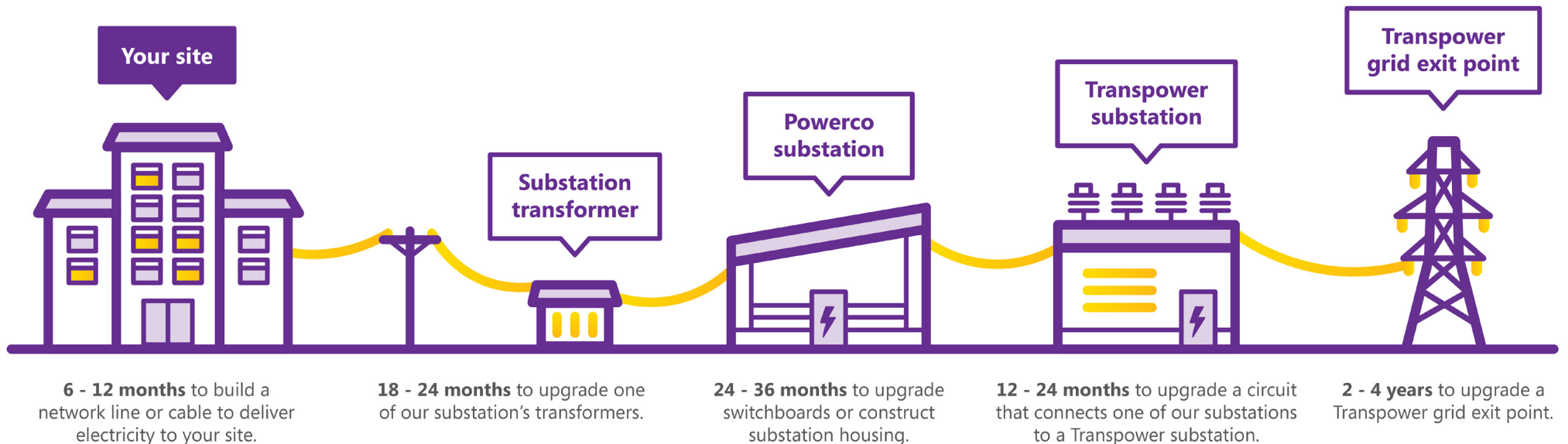
For large-scale commercial, industrial, or residential development connections or upgrades (including large-scale generation).

Connection or addition of major loads to our network takes careful and coordinated planning.

Once we've completed an initial review of the network alterations needed to accommodate your project, the duration to deliver the project will depend on various factors including:

- How much capacity your site needs
- The scale of work required, and the complexity of your needs in relation to our network
- Who else is already using power in the area and the nature of use
- Whether we need to work in with national grid operator Transpower

Here's an indication of timelines* depending on project complexity:



* Guide only - actual project delivery timeline may differ.

Project phasing



Step 1

High level feasibility review

Our planning engineers will firstly review whether our network has the capacity for your requirements and advise if any work is required. To carry out this review, we need the exact site location, the predicted peak energy load for your site and likely load operations across a 24/7 period and seasonality.

We may provide a high level cost estimate and indicative electricity distribution services costs to assist your decision making.

If your predicted energy loading is significant, we may engage Transpower to assess National Grid capability.

Depending on how straightforward alterations to our network are, we'll indicate whether your enquiry can progress through our standard connection process (Customer Initiated Works), or recommend that you move on to the feasibility or concept design stage.



Step 2

Feasibility

If you'd like to further explore your options, we'll let you know whether we'd like you to work with us directly or ask you to engage your own electrical engineering consultant to undertake an option(s) analysis. Please note that such work will be at your cost.

If you're working with a consultant, they'll have the support from our planning and protection teams. We'll then review the findings and discuss progressing into concept design.



Step 3

Concept design

Either Powerco can undertake a concept design or you can appoint a suitable electrical consultant to carry out the concept design and engineer's cost estimation (with our support). Please note this work will be at your cost.

At the completion of this stage, we'll provide an engineer's cost estimation, indicative on-going distribution service charges, and an indication of any capital contribution requirements, arising from alterations to the network to support your connection.



Step 4

Agree how the connection will be built

Once the concept design is reviewed and finalised, we'll discuss the next steps and delivery options with you.

If you're confident of project progression and your requirements, you might want us to place orders for equipment that has a long lead-in time. At this stage, we'll require you to enter an Advance Works Agreement setting out equipment and/or scope of advance activities, expected costs and terms associated with charging and ownership of equipment or IP in event of project termination.



Step 5

Detailed design/delivery

Our team will be available to support the project, delivering network alterations to meet your electricity service needs. You'll have a Powerco project manager and account manager to help throughout.

Generation connections

Generation connections also follow the applications process as set out in the Distributed Generation Regulations. You can find our Distributed Generation Policy and forms [here](#).

For further information, please contact Commercial.retailer@powerco.co.nz

