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HAYWARDS Substation Community Newsletter

Keeping the energy flowing

TRANSPOWER

Work has started to prepare the Haywards Substation site for construction of the Pole 3 building and equipment, which will increase the capacity and reliability of the HVDC link.

What's been happening

Site preparation

Site preparation work began on the southern end of the project site shortly before Christmas, and then again from 11 January. Work is progressing according to the timeline with construction fences erected, trees removed and mulched.

Additional dust control measures have been put in place, which include sprinkler systems (timed to operate for 10 minutes every hour), hydroseeding and placement of hay over areas to minimise dust. Silt fences are in place to prevent run-off during periods of heavy rain.

Drilling for piles for retaining walls, access roads and switchyard C has begun.

A staff car parking area is now at the south western side of the site with additional privacy fencing. Security measures have been established at the Kaitawa St entrance (gate C). For additional security, five cameras will be installed at various points around the site.

All contractors on site receive a thorough induction that includes instructions to be considerate of neighbours. Brian Perry Civil (the site preparation contractor) endeavours to finish work by 6pm but may occasionally need to work later when critical work needs to be completed.

NZTA has given approval for Transpower to install traffic signs and will implement traffic slowing measures. From late February, a temporary 80 km/h speed limit will be in place during working hours.

What's coming up?

February

- Submission of revised outline plan
- Photo montages completed
- Traffic management measures in place
- Site preparation work continues, as planned

March

- Site preparation work continues, as planned

April

- Siemens on site

Outline Plan

Transpower has a confirmed outline plan which covers both the site improvement and the Pole 3 installation works. This outline plan still applies to the site improvement works, as described above, but needs revision in regards to the Pole 3 installation works.

The revisions are required because Siemens' design solutions and layout have elements that are different to those described in the confirmed outline plan. At the time of lodgement of the original outline plan, Hutt City was advised that the site layout, final height, shape and bulk of the Pole 3 equipment may change once the design-build contractor had been appointed and that future revisions of the outline plan may be necessary.

The key differences between the original design (based on Transpower's design solution) and the revised plan with Siemens' changes are:

- The size and formation of switchyard C is significantly reduced
- The smaller size of switchyard C requires less earthworks
- A 6m high earth bund, approximately 140 metres long, is proposed to run along the southern edge of switchyard C
- The earth bund will be landscaped and there will be increased opportunities for "green space" along the southern boundary of the substation
- Potentially noise emitting equipment (filters) have been moved from the southern end of the substation to the north eastern side
- Noise walls are proposed for switchyards B and D

The revised outline plan is necessary because the bulk and location of equipment and structures on site has changed. It is expected to be submitted to Council in mid February.

Photo montages

Developing photo montages for each property is a time consuming exercise, particularly as the final model of the earth bund has been delayed. Without a final model of the bund, there has been insufficient detail to provide an accurate picture. The model is expected in late January and the montages should be ready in late February.

For more information on the HVDC inter-island link Pole 3 project, please call 0800 33 88 66 or visit www.gridnewzealand.co.nz

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