



TRANSPOWER



FIRST ALERT

Otahuhu 220kV Cable Sealing End Failure

At 12.11am, on Thursday 14th June, the Otahuhu Tie-line-5 circuit tripped with local reports of a loud explosion.

On inspection, one of the 220kV Cable Terminations in the Otahuhu 220kV Switchyard was found to have catastrophically failed.

Fortunately, no adjacent equipment was damaged and there was no-one in the vicinity at the time of failure. The voltage and frequency disturbance did cause some network disturbance but there was no loss of connection.

This has been a high severity near miss and the following actions needs to be implemented until a cause of failure can be determined.



Immediate actions

- At Otahuhu, please apply the same precautions required in the 110kV Outdoor Porcelain XLPE Cable Sealing Ends Safety Alert, issued on the 22nd February 2107.
[2017_02_22 110kV Outdoor Porcelain CSE - Update 1](#)

HEN OTA 1	HLV OTA 2	OHV OTA 2	OTA PAK 3	OTA PEN 6	OTA TIE 4	OTA SWN 1
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Specific to this incident, the following actions must be followed: -

- Label the Temporary Hazard board at OTA substation: "KEEP CLEAR OF 220kV OUTDOOR CABLE SEALING ENDS"
- Organize outages in order to internally inspect these cable terminations, based on risk priority.
- The above circuits must not be re-livened in the event of a tripping without visual inspection of the Cable Sealing Ends and the Regional Service Manager approval.

For more information, please contact:

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