

HOBSON STREET SUBSTATION

13-21 Hobson Street, Auckland Central, Auckland

Transpower, in conjunction with local electricity distributor and infrastructure company Vector, redeveloped Hobson Street Substation in 2012 to reinforce power supply to the Auckland CBD.

Hobson Street Substation is connected to the 220 kV (NAaN) cable circuit between Penrose (to the South) and Wairau Road (to the North), supplying power through Auckland and to North Auckland.

The 220 kV equipment is all GIS (Gas Insulated Switchgear) with a 220/110 kV, 250MVA transformer (T12) that connects to Vector's 110kV subtransmission system. You will have a chance to see both the Transmission and Distribution side of Hobson Street Substation during the tour.

Site Information	
Connected customer	Vector Ltd
GXP Peak	106MW
Site Voltage	220/110 kV
Year commissioned	2013
Region supplied	Auckland CBD

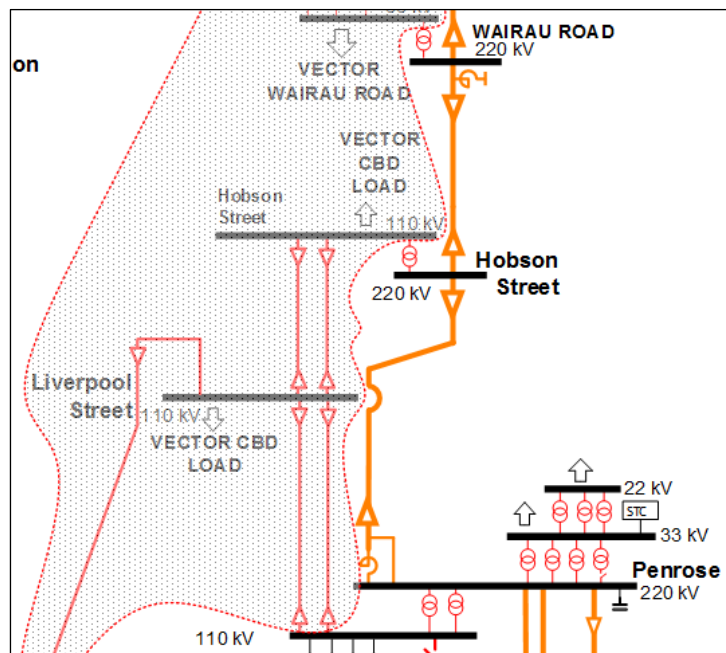


Figure 1: Extract from Regional Diagram