



SUBSTATION COMPONENTS		
ITEM	DESCRIPTION	
1	Terminal support structure of transmission line from Whakamaru	stage 1
2	Cable transition station	stage 1
3	400 kV substation gantries	stage 3
4	220 kV substation gantries	stage 2
5	220 kV GIS building	stage 2
6	Control / relay building	stages 1 & 2
7	400 kV to 220 kV power transformers	stage 3
8	400 kV GIS building	stage 3
9	Access road	stage 1
10	Substation security fence	stages 1, 2 & 3

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**WARNING**  
This is a conceptual layout only. Layout dimensions do not necessarily allow for EMF or electrical clearances under fault or high wind conditions.



BHL-GIS42-6

**Brownhill Substation**  
**Possible Layout 400/220 kV Site GIS2 Stage 3 - Isometric**

Date: 20/11/2007

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