

Mt Barker Redevelopment

New 66kV Line and Substation

Line Route Option Summary



Option	Option 1	Option 2	Option 3	Option 4
Description	Follows the connector road route with overhead 66,000V line within the road reserve.	Overhead line built in buffer zone around edge of development.	Follows the buffer zone before running through the middle of the eastern development area.	Utilises the first section of the connector road to the ElectraNet corridor and will follow the corridor through the middle of the eastern development area.
Route Distance	7km	10.3km	8.3km	8.6km
Indicative Cost	\$60.4M	\$70.6M <ul style="list-style-type: none"> • additional \$5M if industrial site is used for substation 	\$61.0M <ul style="list-style-type: none"> • additional \$5M if industrial site is used for substation 	\$62.0M <ul style="list-style-type: none"> • additional \$5M if industrial site is used for substation
Construction, maintenance and emergency response access	<ul style="list-style-type: none"> • the easiest access once the road is completed 	<ul style="list-style-type: none"> • difficult access, which could potentially require additional access tracks 	<ul style="list-style-type: none"> • moderate access difficulty - need access tracks until public roads established 	<ul style="list-style-type: none"> • moderate access difficulty - need access tracks until public roads established
Visual Effect	<ul style="list-style-type: none"> • low visual impact using poles along the road 	<ul style="list-style-type: none"> • visual impacts on land owners on the perimeter 	<ul style="list-style-type: none"> • partial impact on land owners on the perimeter and visual impacts on developments through the middle section 	<ul style="list-style-type: none"> • utilises existing transmission route which already has electrical power structures • partial impact on land owners on the perimeter and visual impacts on developments through the middle section