

Bavarian Substation - Site Comparison

Feb. 13, 2017

	Site 8a	Site 14	Site 9
Earthwork Costs	1,660,000	709,000	458,000
Substation Costs	3,403,000	3,403,000	4,906,000
Distribution Costs	842,000	774,000	1,680,000
Transmission Costs	2,472,000	2,862,000	868,000
Total Costs	8,377,000	7,748,000	7,912,000

Considerations:

Contingency: All work element contingency is 20%; except Transmission Construction, which is 30%

	Pro	Con	Neutral
Site 8a	X		Earthwork Risk is high
	X		Site is sloped at 3.1 %
		X	Site has room for expansion to double bank
		X	Dual Transmission Source - Separate Route
			X Land Use - Neutral
			X Site Visibility - Chumstick Hwy/ Future Residential Area
Site 14		X	Distribution underbuild to Chumstick
		X	Transmission to south of yard would require larger yard
		X	Site has room for expansion to double bank
		X	Dual Transmission Source - Separate Route
		X	Land Use - Displaces future housing development
		X Site Visibility - Future Residential Development	
Site 9	X		Breaker-and-a-half required - complex constr. & operation
	X		Distribution cost has high uncertainty
	X		Site does not have room for expansion to double bank
		X	Dual Transmission Source - Same Route
	X		Land Use - Same land use
	X		Site Visibility - Adjacent to Existing Residential Area