

Substation (Mid States est)

Foundations	\$	45,000
Conduit	\$	55,000
Ground Grid	\$	15,000
Steel	\$	25,000
Switches and Bus	\$	25,000
Breaker	\$	45,000
Building	\$	125,000
Switchgear	\$	425,000
Controls	\$	55,000
Transformer*	\$	1,300,000
Fence	\$	20,000
Cable	\$	105,000
Battery & Charger	\$	15,000
Instrument Transformers	\$	15,000
Construction Labor	\$	325,000
SCADA	\$	150,000
Engineering Labor	\$	50,000
Contingency	\$	100,000
	\$	2,895,000

*The transformer is the highest cost item and most volatile for pricing

City estimate

34.5 Tie line	\$	480,090	7800 ft
12.47 Distribution	\$	635,935	18650 ft
	\$	4,011,025	

Concrete decorative fence upgrade	\$	30,000
Fiber connections	\$	20,000

Total	\$	4,061,025
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Not included:

Site prep (clearing, rock, grading)	?
Utility easment costs	
Interconnection study	3-5K
Any additional land acquisition	