

San Diego Gas & Electric Unit Cost Guide dated March 30, 2018

In accordance with Attachment A to Decision D16-06-052, the Unit Cost Guide represents facilities generally required for interconnection. Unit Cost Guide is not binding for actual facility costs and is provided only for additional cost transparency and developer reference. For reference, Ft = Per Foot

Category 1 - 12/16kV 480 volt transformer - Includes 100' Sec. cable length

San Diego Gas & Electric			
Item#	Equipment	Unit Cost	Equipment
1	150kva & Sec. Cable(480/277V)	\$51,200	
2	300kva & Sec. Cable(120/208V)	\$51,800	
3	500kva & Sec. Cable(120/208V)	\$58,900	
4	750kva & Sec. Cable(480/277V)	\$63,300	
5	1000kva & Sec. Cable(480/277V)	\$111,800	
6	1500kva & Sec. Cable(480/277V)	\$113,900	
7	2500kva & Sec. Cable(480/277V) (Not Assumed with Fuse Cab)	\$141,100	

Category 2 - Overhead to underground (UG) - Set Pole and make up cable

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Item#	Equipment	Unit Cost	Equipment
1	Pri 2/0 AL Cable from New Pole 200'	\$53,600	Up to 2.5 MW
2	Pri 350 AL Cable from New Pole 200'	\$55,900	2.5MW - 6 MW
3	Pri 1000 AL Cable from New Pole 200'	\$59,100	6MW - 10 MW

Category 3 - Overhead (OH) Service

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Item#	Equipment	Unit Cost	Equipment
1	Pri 636 AL Conductor OH feed 200'	\$24,200	Up to 10 MW
2	New conductor extension	\$121/ft	

Category 4 - Underground to Underground - Cable with Terminators

San Diego Gas & Electric			
Item#	Equipment	Unit Cost	Equipment
1	Pri 2/0 AL Cable undg feed 200'	\$7,000	Up to 3 MW
2	Pri 350 AL Cable undg feed 200'	\$9,300	3MW - 6 MW

Category 4 - Underground to Underground - Cable with Terminators Continued**San Diego Gas & Electric**

3	Pri 1000 AL Cable undg feed 200'	\$12,500	6 MW- 10 MW
4	New primary trench and conduit (ft) if IOU installs	\$330/ft	
5			
6			
7	New 1000 KCMIL AL cable and connections(ft)	\$62/ft	
8	New 2/0 AL cable and connections	\$35/ft	

Category 5 - Metering**San Diego Gas & Electric**

Item#	Equipment	Unit Cost	Equipment
1	Secondary Service Metering	\$4,000	
2	Primary Metering	\$11,000	
3			

Category 6 - Telemetry**San Diego Gas & Electric**

Item#	Equipment	Unit Cost	Equipment
1	Overhead SCADA switch	\$108,900	
2	New Padmount SCADA Switch	\$191,800	
3	Padmount Metering and Telemetry	\$19,000	
4			
5			
6			
7			

Category 7 - System Equipment**San Diego Gas & Electric**

Item#	Equipment	Unit Cost	Equipment
1	New Overhead Hook Stick	\$39,300	
2	New Padmount SCADA Switch	\$191,800	
3	New SCADA Polemount Capacitor 1200kVAR	\$70,100	
4	New Capacitor Padmount SCADA 1200kVAR	\$44,400	

Category 7 - System Equipment Continued

San Diego Gas & Electric

5	New Voltage Regulator 200A	\$83,100	
6			
7	New Voltage Regulator 600A Padmount with two switches	\$610,900	
8			
9			
10	Overhead Reconductor (per foot)- Urban	\$236/ft	
11	Overhead Reconductor (Per Foot)- Rural	\$236/ft	
12	Overhead Reconductor (per foot) - Underground	\$107/ft	
13	New Steel Pole Line (per ft)	\$150/ft	
14	New Wood Pole Line	\$121/ft	
15	OH fuse Cutout 12kV 3 phase	\$8,700	
16	Fuse Cabinet UG 3 phase	\$15,400	
17			
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24	Substation LTC control setting change is more common than change-outout	\$26,000	
25			
26			
27	New Substation Circuit Breaker	\$97,500	
28	New 28MVA 69/12kV Transformer	\$1,200,000	
29	New 28MVA 138/12kV Transformer	\$1,200,000	
30	Quarter Section Switchgear	\$400,000	
31	Protection Review	\$1,300	

Note: For overall IOU line consistency, facilities not commonly used for SDG&E interconnection have been placed in gray

* Escalation Rates are from IHS Global Insight's 3rd Quarter 2017 Power Planner (released November 2017) electric utility