



New Three-Phase Commercial

Three-phase transformer charges include up to 50 feet of aluminum service conductors.

Total Service Conduits	Service Conductor Runs	Three-Phase Transformers				
		Transformer Voltage 120/208			Transformer Voltage 277/480	
		SES Size (amp)	Size (kVA)	Estimate	Size (kVA)	Estimate
1	1	200	75	\$15,790	150	\$19,553
1	1	400	150	\$19,644	300	\$21,045
2	2	600	225	\$22,592	500	\$29,550
3	2	800	300	\$22,987	750	\$40,242
4	3	1,000	300	\$24,650	750	\$41,905
5	4	1,200	500	\$31,495	1,000	\$46,301
7	5	1,600	500	\$33,158	1,500	\$65,821
10	7	2,000	750	\$50,716	1,500	\$69,147
13	10	2,500	750	\$55,705	2,000	\$81,935
18	13	3,000	1,000	\$53,398	2,000	\$86,925
25	18	3,600	-	-	2,500	\$101,224
29	22	4,000	1,500	\$87,298	-	-

Charge for Additional Primary or Service Conductor (if needed)	\$6/foot per phase
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Note: In addition to the charge for transformers and service conductors, remember to add appropriate charges for feeder switches, risers and fusing cubicles.



Feeder Switches, Risers and Fusing Cubicles

Switches	\$15,884 each
Feeder Riser (Overhead Switch)	\$10,796 each
Fusing Cubicle Position	\$2,476 each
Pulling Enclosure	\$10,073 each
4/0 Tap Enclosure	\$5,397 each

EXAMPLE

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Scenario A:

A customer wants to install a 277/480 V three-phase, 2000-amp service entrance section (SES) less than 1,000 feet from existing underground electric feeder lines. The new transformer will be located less than 50 feet from the SES.

Pricing:

1 feeder switch (to intercept line and feed the transformer)	\$15,884
1,500 kVA transformer and service	\$69,147
Charge for service length > 50 feet:	<u>\$0.00</u>
TOTAL:	\$85,031



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Scenario B:

A customer wants to install a 120/208 V three-phase, 800-amp service entrance section (SES) 1,200 feet from existing underground electric feeder lines and 65 feet from the transformer.

Pricing:

1 feeder switch (to intercept line) @ \$15,884 each	\$15,884
1 feeder switch (to feed transformer) @ \$15,884 each	\$15,884
300 kVA transformer and service	\$22,987
Charge for service length > 50 feet: (15' x 2 services x \$6 per foot)	\$180
Charge for primary wire > 1,000 feet: (200' x \$6 x 3 phases per foot)	<u>\$3,600</u>
TOTAL:	\$58,535