



Delivering water and power®

### New Three Phase Commercial

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

Three-Phase Transformers						
Total Service Conduits	Service Conductor	SES Size (Amp)	Transformer Voltage 120/208		Transformer Voltage 277/480	
			Size (kVA)	Estimate	Size (kVA)	Estimate
1	1	200	75	\$18,005	150	\$20,419
1	1	400	150	\$20,891	300	\$23,654
2	2	600	225	\$24,975	500	\$37,853
3	2	800	300	\$24,776	750	\$42,722
4	3	1,000	300	\$26,911	750	\$44,858
5	4	1,200	500	\$34,240	1,000	\$48,595
7	5	1,600	500	\$36,375	1,500	\$69,106
10	7	2,000	750	\$54,211	1,500	\$73,377
13	10	2,500	750	\$60,618	2,000	\$86,504
19	13	3,000	1,000	\$60,294	2,000	\$92,911
25	18	3,600	-	-	2,500	\$125,334
30	22	4,000	1,500	\$101,073	-	-

Charge for Additional Primary or Service Conductor (if needed)	\$15.00 / 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	\$22,580 each
Feeder Riser (Overhead Switch)	\$13,640 each
Fusing Cubicle Position	\$3,130 each
Pulling Enclosure (PAD)	\$13,500 each
4/0 Tap Enclosure	\$7,272 each



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## EXAMPLE

### New Three Phase Commercial

#### **Scenario A:**

A customer wants to install a 277/480V, 3-phase, 2000-amp service entrance section (SES) less than 1000 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)	\$22,580
1500 kVA transformer and service	\$73,377
Charge for service length > 50 feet:	<u>\$0.00</u>
<b>TOTAL:</b>	<b>\$95,957</b>

#### **Scenario B:**

A customer wants to install a 120/208V, 3-phase, 800-amp service entrance section (SES) 1200 feet from existing underground electric feeder lines and 65 feet from transformer.

#### **Pricing:**

1 feeder switch (to intercept line) @ \$22,580 each	\$22,580
1 feeder switch (to feed transformer) @ \$22,580 each	\$22,580
300 kVA transformer and service	\$24,776
Charge for service length > 50 feet: (15' x 2 services x \$15 per foot)	\$450
Charge for primary wire > 1000 feet: (200' x \$15 x 3 phases per foot)	<u>\$9,000</u>
<b>TOTAL:</b>	<b>\$79,386</b>