



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	\$19,554	150	\$22,357
1	1	400	150	\$23,717	300	\$25,810
2	2	600	225	\$27,325	500	39,628
3	2	800	300	\$27,170	750	\$45,546
4	3	1,000	300	\$29,449	750	\$47,825
5	4	1,200	500	\$38,269	1,000	\$50,868
7	5	1,600	500	\$40,548	1,500	\$86,993
10	7	2,000	750	\$58,036	1,500	\$91,551
13	10	2,500	750	\$64,873	2,000	\$128,175
19	13	3,000	1,000	\$71,698	2,000	\$135,012
25	18	3,600	1,000	\$83,093	2,500	\$139,613
30	22	4,000	1,500	\$111,283	-	-

Charge for Additional Primary or Service Conductor (if needed)	\$15.50 / foot per phase
--	--------------------------

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	\$23,492 each
Feeder Riser (Overhead Switch)	\$14,741 each
Fusing Cubicle Position	\$3,130 each
Pulling Enclosure (PAD)	\$13,958 each
4/0 Tap Enclosure	\$7,943 each



Delivering water and power®

## 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)	\$23,492
1500 kVA transformer and service	\$91,551
Charge for service length > 50 feet:	<u>\$0.00</u>
<b>TOTAL:</b>	<b>\$115,043</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) @ \$23,492 each	\$23,492
1 feeder switch (to feed transformer) @ \$23,492 each	\$23,492
300 kVA transformer and service	\$27,170
Charge for service length > 50 feet: (15' x 2 services x \$15.50 per foot)	\$465
Charge for primary wire > 1000 feet: (200' x \$15.50 x 3 phases per foot)	<u>\$9,300</u>
<b>TOTAL:</b>	<b>\$83,919</b>