

New Residential Subdivisions

| Single Phase Transformers | | Residential Subdivision | |
|---------------------------|----------|-------------------------|-------------------|
| Voltage: 120/240 | | Service Conductors | |
| Size (kVA) | Estimate | 200 amp | \$842.00 per lot |
| 25 | \$5,591 | 400 amp | \$1030.00 per lot |
| 50 | \$7,168 | | |
| 75 | \$7,643 | | |

Note: In addition to estimating charges for transformers and service conductors, remember to add appropriate charges for feeder switches, risers, fusing cubicles, and any necessary commercial services such as sprinkler pedestals or subdivision lighting.

Feeder Switches, Risers, and Fusing Cubicles

| | |
|--------------------------------|---------------|
| Switches | \$23,852 each |
| Feeder Riser (Overhead Switch) | \$15,309 each |
| Fusing Cubicle Position | \$3,130 each |
| Pulling Enclosure (PAD) | \$14,804 each |
| 4/0 Tap Enclosure | \$8,212 each |



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Scenario:

Customer wants to construct a 102-lot subdivision located within 1,000 feet of existing primary lines. The homes will range in size from 1,687 square feet to 2,560 square feet but will all have 200-amp service entrance sections (SES).

Assumptions:

As a rough estimate, assume one 75-kVA transformer is needed for every five lots. For specific transformer sizing formulas, please contact SRP Customer Distribution Engineering.

A minimum of three fuse connections are required for any residential subdivisions.

A minimum of one feeder switch is required for any residential subdivision.

Pricing:

| | |
|--|------------------|
| 102 200-amp service conductors @ \$842 each | \$85,884 |
| 20 transformers @ \$7,643 each (102 lots / 5 lots per transformer = 20.4) | \$152,860 |
| 1 feeder switch @ \$23,852 each | \$23,852 |
| 3 fusing cubicle positions @ \$3,130 each | \$9,390 |
| TOTAL: | \$271,986 |