

# SCI Calculation

| CALCULATED SCI SUBTOTALS        |                     |             |                  |                      |          |
|---------------------------------|---------------------|-------------|------------------|----------------------|----------|
| <b>ESTIMATE</b> <Customer Name> |                     |             |                  |                      |          |
| <b>INFORMATION</b> 550 GATEWAY  |                     |             |                  |                      |          |
| <b>SERVICE INFO</b> 113069659   |                     |             |                  |                      |          |
| <b>PANEL SIZE</b>               | <b>kV @Fault</b>    |             | <b>#Phases</b>   | <b>#Svcs @ TfmrE</b> |          |
| 2500                            | 0.48                |             | 3                | Single (1)           |          |
| =====                           |                     |             |                  |                      |          |
| <b>SYSTEM INFO</b>              |                     |             |                  |                      |          |
|                                 | <b>Curr Setting</b> |             | <b>R-Ohms</b>    | <b>X-Ohms</b>        |          |
|                                 |                     |             |                  |                      |          |
| + System                        | 500                 |             | 0.00000          | 0.00046              |          |
| Multi-Gnd ?                     |                     |             |                  |                      |          |
| <b>Substa: MVA</b>              | 0                   |             |                  |                      |          |
| + Substa Z                      | 0.0%                |             | 0.00000          | 0.00000              |          |
| <b>Primary: kV</b>              | 0.48                |             |                  |                      |          |
| + FDRCAL                        |                     |             | 0.00000          | 0.00000              |          |
| + Pri-1                         | None                |             | 0.00000          | 0.00000              |          |
| + Pri-2                         | None                |             | 0.00000          | 0.00000              |          |
|                                 |                     |             |                  |                      |          |
| <b>Transformer</b>              | <b>NP kVA</b>       | <b>%-Z</b>  | <b>IEEE Z</b>    |                      |          |
|                                 |                     |             | <b>Tolerance</b> |                      |          |
| Auto Select?                    | Yes                 |             |                  |                      |          |
| + Tfmr                          | 2500.0              | 5.3         | 7.5%             | 0.00226              | 0.00391  |
| + 1/2 Wdg                       | No                  |             |                  | 0.00000              | 0.00000  |
| <b>Secondary</b>                |                     |             |                  |                      |          |
| + Sec-Ph                        | None                |             |                  | 0.00000              | 0.00000  |
| + Sec-Neut                      |                     |             |                  | 0.00000              | 0.00000  |
| <b>Service</b>                  |                     |             |                  |                      |          |
| Auto Select?                    | Yes                 | <b>Feet</b> |                  |                      |          |
| + Svc-Ph                        | 7-1000C             | 50          |                  | 0.00017              | 0.00041  |
| + Svc-Neut                      | Per Phase           |             |                  | 0.00000              | 0.00000  |
|                                 |                     |             |                  | =====                | =====    |
|                                 | <b>Total Z =</b>    |             |                  | 0.002433             | 0.004785 |
| program bv s3hu - SPES          |                     |             |                  | <b>SCI Svm = 5</b>   |          |