

# Electric Load Worksheet for the City of Rocklin

Address: \_\_\_\_\_ Date: \_\_\_\_\_

Phone: \_\_\_\_\_ Gas Furnace (Y/N) \_\_\_\_\_ Building -Sq. Ft.: \_\_\_\_\_

| <u>Rating of:</u>                 | <u>Watts*</u>           | <u>x</u> | <u>%</u> | = | <u>Total (a)</u> | Enter the largest value (watts) from <b>Total (a)</b><br>↓ ↓<br>↓<br>Add this value to calculations below<br>↓ |
|-----------------------------------|-------------------------|----------|----------|---|------------------|--|
| Electric Furnace                  | NPR (Name Plate Rating) | _____    | x .65    | = | _____            |  |
| **Air Conditioning                | NPR                     | _____    | x 1.00   | = | _____            |  |
| Heat Pump                         | NPR                     | _____    | x 1.00   | = | _____            |  |
| Heater Rating (Less than 4 rooms) |                         | _____    | x .65    | = | _____            |  |
| Heater Rating (More than 4 rooms) |                         | _____    | x 1.00   | = | _____            |  |

\*\*Air Conditioning Example: Compressor = 16.0 amps  
 Fan = 2.0 amps  
 25% of the largest motor = 4.0 amps  
 Total = 22.0 amps x 240 Volts = 5,060 Watts

| <u>Quantity</u> | <u>Item</u>                                | =   | <u>Watts*</u> |         |
|-----------------|--|-----|---------------|---------|
| _____           | Sq. Ft. x 3 watts per sq. ft.              | =   | _____         |         |
| _____           | 20 Amp appliance circuits @ 1500 watts ea. | =   | _____         |         |
| _____           | Ranges                                     | NPR | =             | _____   |
| _____           | Ovens                                      | NPR | =             | _____   |
| _____           | Cooking units                              | NPR | =             | _____   |
| _____           | Water Heater                               | NPR | =             | _____   |
| _____           | Dishwasher                                 | NPR | =             | _____   |
| _____           | Garbage Disposal                           | NPR | =             | _____   |
| _____           | Washer                                     | NPR | =             | _____   |
| _____           | Dryer                                      | NPR | =             | _____   |
| _____           | Motor Loads                                | NPR | =             | _____   |
| _____           | Other Loads                                |     | =             | _____   |
|                 | Sub panel Total (from below)               | =   | _____         | ↓       |
|                 | Subtotal                                   | =   | _____         |         |
|                 | Less -                                     |     | 10,000        | + _____ |

**\*Watts = Volts X Amps** Total = \_\_\_\_\_ x .40 = + \_\_\_\_\_

**Grand Total (watts)** = \_\_\_\_\_

**Grand Total (watts)** \_\_\_\_\_ / 240 Volts = \_\_\_\_\_ **Service Load (Amps.)**

Service Size: \_\_\_\_\_ Amp.

Are sub-panels to be installed? \_\_\_\_\_ How Many? \_\_\_\_\_  
 Amp Rating? \_\_\_\_\_ Wire Size? \_\_\_\_\_

|       |                 |     |   |       |   |
|-------|-----------------|-----|---|-------|---|
| _____ | Motor loads     | NPR | = | _____ |   |
| _____ | Other loads     |     | = | _____ |   |
| _____ | Other loads     |     | = | _____ |   |
|       | Sub panel Total |     | = | _____ | ↓ |

\_\_\_\_\_  
 (Print name) - Electrical Contractor / Owner - Builder

\_\_\_\_\_  
 State License Number

\_\_\_\_\_  
 (Signature) - Electrical Contractor / Owner - Builder