



COMMUNITY DEVELOPMENT
RESOURCE AGENCY

BUILDING SERVICES DIVISION

Electric Load Worksheet

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

Main Electric Panel Service Size: Existing \_\_\_\_\_ (Amps) / New (if applicable) \_\_\_\_\_ (Amps)

Quantity of Existing Subpanels: \_\_\_\_\_ Quantity of New Subpanels: \_\_\_\_\_ Gas Furnace (Y/N) \_\_\_\_\_
Breaker Size(s) feeding subpanel(s)? \_\_\_\_\_ Wires Size(s) feeding subpanel(s)? \_\_\_\_\_

A. Calculate Habitable1 Square Footage

\_\_\_\_\_ (Existing S.F.) + \_\_\_\_\_ (New S.F., if any) = \_\_\_\_\_ Total Habitable1 Square Footage

B. Identify General Loads

General Lighting and Use Receptacles: \_\_\_\_\_ Total Habitable1 SF x 3 = \_\_\_\_\_ total watts
Kitchen Small Appliance Branch Circuits: \_\_\_\_\_ (Quantity, Min. 2) x 1500 = \_\_\_\_\_ total watts
Bathroom Small Appliance Branch Circuits: \_\_\_\_\_ (Quantity, Min. 1) x 1500 = \_\_\_\_\_ total watts
Range: \_\_\_\_\_ (Nameplate Rating) x 1 = \_\_\_\_\_ total watts
Oven: \_\_\_\_\_ (Nameplate Rating) x 1 = \_\_\_\_\_ total watts
Water Heater: \_\_\_\_\_ (Nameplate Rating) x 1 = \_\_\_\_\_ total watts
Other: \_\_\_\_\_ (Nameplate Rating) x 1 = \_\_\_\_\_ total watts
e.g. FAU, EV, Hood, etc. } Other: \_\_\_\_\_ (Nameplate Rating) x 1 = \_\_\_\_\_ total watts
Other: \_\_\_\_\_ (Nameplate Rating) x 1 = \_\_\_\_\_ total watts
Other: \_\_\_\_\_ (Nameplate Rating) x 1 = \_\_\_\_\_ total watts
Total Subpanel Load2: \_\_\_\_\_ (Combined Watts2) x 1 = \_\_\_\_\_ total watts
Motor Loads: \_\_\_\_\_ (Nameplate Rating) x 1 = \_\_\_\_\_ total watts
Other Loads: \_\_\_\_\_ (Nameplate Rating) x 1 = \_\_\_\_\_ total watts

Add total watts together (from above) = \_\_\_\_\_ Total B

C. Identify Largest of the Following Six Heating and Air Conditioning (HAC) Loads

Electric Thermal Storage: \_\_\_\_\_ (Nameplate Rating) x 1 = \_\_\_\_\_ total watts
Air Conditioning and Cooling: \_\_\_\_\_ (Nameplate Rating) x 1 = \_\_\_\_\_ total watts
Heat Pump (without any supplemental electric heating): \_\_\_\_\_ (Nameplate Rating) x 1 = \_\_\_\_\_ total watts
3 or Less (Separately Controlled) Electric Space Heating Units: \_\_\_\_\_ (Nameplate Rating) x 0.65 = \_\_\_\_\_ total watts
4 or more (Separately Controlled) Electric Space Heating Units: \_\_\_\_\_ (Nameplate Rating) x 0.40 = \_\_\_\_\_ total watts
Central Electric Space Heating System3: \_\_\_\_\_ (Combined Nameplate Rating3) = \_\_\_\_\_ total watts

Enter single largest Heating and Air Conditioning Load (from above) = \_\_\_\_\_ Total C

D. Calculate Total Service Load

\_\_\_\_\_ - 10,000 watts x 0.40 + 10,000 watts + \_\_\_\_\_ ÷ 240 = \_\_\_\_\_ Total Amps
Total B (from above) Total C (from above)

Signature

Print Name

State License Number (if applicable)

1Habitable square footage includes the floor area for each floor, calculated from the outside dimensions of the dwelling unit. It does not include open porches, garages, or unused or unfinished spaces not adaptable for future use.

2Add all subpanel loads here that are not already included elsewhere on this form.

3For Central Electric Space Heating Systems, add 100% of the heat pump compressor's nameplate rating plus 65% of the supplemental electric heating's nameplate rating. If the heat pump compressor is prevented from operating at the same time as the supplementary heat, it does not need to be added to the supplementary heat for the total central space heating load.