

ELECTRICAL LOAD CALCULATION WORKSHEET

INSTRUCTIONS: Review the electrical loads in the table below and check all that exist in the home (be sure to include the proposed Level 2 EVCE). Fill in the corresponding wattage for each item checked, and then add up all of the checked items to determine total wattage used. Wattages shown are rough estimates: for a more precise analysis use actual values based on nameplate ratings or consult with an electrical professional.

PROJECT _____

ADDRESS: _____

Check Applicable	Description of Load	Typical Wattage	Watts Used
GENERAL LIGHTING LOAD			
✓	Multiply Your Home's Square Footage times 3	3 watts/square foot	
✓	Small Appliance (Kitchen) Branch Circuits	1,500 watts/circuit (min of 2)	
✓	Laundry Circuit	1,500 watts	1,500
APPLIANCES AND EQUIPMENT EXCEPT A/C (values are estimates, use actual values if greater)			
	Microwave	1,400 watts	
	Trash Compactor	1,000 watts	
	Dishwasher	1,500 watts	
	Disposal	1,000 watts	
	Electric Oven	2,000 watts	
	Electric Stove Top	5,000 watts	
	Electric Clothes Dryer	4,000 watts	
	Pool or Spa	2,000 watts	
	Electric Tankless Water Heater	15,000 watts	
	Evaporative Cooler	500 watts	
	Proposed EVSE Circuit	7,000 watts	
	Other (Specify):		
	Other:		
	Other:		
	Other:		
	Other:		
TOTAL WATTS USED (Add up watts used for everything checked)			
Proceed to Page 2 of Electrical Load Calculation Worksheet			

Note: A/C = Air Conditioner, air conditioner information is added on page 2

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TOTAL WATTS USED (From Page 1)		_____
		-10,000
	Subtotal (A) =	_____
		x 0.40
	Subtotal (B) =	_____
		+10,000
	Subtotal (C) =	_____
	Add Total A/C (Air Conditioner) Load (use nameplate or circuit breaker rating)	± _____
	Subtotal (D) =	_____
		Divide by 240
	Total Demand (Amps) =	_____
	Rating of Existing Electrical Service or Subpanel (Amps) =	_____
	Panel Upgrade Required (circle answer)?	Y / N
<p>If the total demand is less than the rating of the existing electrical service or subpanel, than a panel upgrade is not required. If total demand is greater, then an EVCE permit will only be issued if a panel upgrade is included with the work. A subpanel upgrade requires a plan submittal and plan check.</p>		

Statement of Compliance

By my signature, I attest that the information provided is true and accurate.

Job Address: _____
(Print Job Address)

Signature: _____ (Signature of Applicant or Contractor)
_____ (Date)

Note: This form is a voluntary compliance alternative and you may wish to hire a qualified individual or company to perform a thorough evaluation of your electrical service capacity in lieu of this methodology. Use of this electrical load calculation worksheet is at the user's risk and carries no implied guarantee of accuracy. Users of this form are advised to seek professional assistance in determining the electrical capacity of a service panel.

Approved By: _____	Date: _____
Comments: _____	