



City of San Leandro
Building & Safety Division

Community Development
 835 East 14th Street
 510-577-3405

Standard Electrical Load Calculations for Single Family Dwellings

Property Address _____

Total Floor Area of Dwelling _____ Sq. Ft.

Factor	Quantity	Volt Amperes (VA)
General Lighting		
1. General Lighting (Sq. Ft. x 3 VA/Sq. Ft.) CEC 220.12	3 x _____ Sq. Ft. =	
2. Small Appliance Circuits: 2 minimum(1500 VA per circuit) CEC 220.52(A)	1500 x _____ =	
3. Laundry Circuit (1500 VA per circuit) CEC 220.52(B)	1500 x _____ =	
4. Total General Lighting Load (Add lines 1, 2 & 3)		
5. First 3000 VA of General Lighting Load @ 100%		3000
6. Total General Lighting Load - 3000 = _____ @ 35% =		
7. Net General Lighting Load (Per CEC 220.42) (Add lines 5 & 6)		

Fixed Appliances	Volt Amperes (VA) Each	Quantity	Volt Amperes (VA)
Garbage Disposal			
Microwave			
Dishwasher			
Bathroom Fan			
Other :			
Other :			
(If more space is needed, please use back side)		Total Fixed Appliance VA =	
8. If there are 3 or less Fixed Appliances, enter the Total Fixed Appliance VA; If there are 4 or more Fixed Appliances, enter 75% of Total Fixed Appliance VA (CEC 220.53):			

Other Loads	Nameplate Rating: Volt Amperes (VA) Each	Quantity	Volt Amperes (VA)
9. Air Conditioner			
10. Clothes Washer			
11. Electric Clothes Dryer			
12. Electric Range / Oven			
13. Electric Vehicle Charger			
14. Other:			
15. Other:			
16. 25% of largest motor (CEC 430.24)			

Total Service Load Volt Amperes (VA): Add lines 7, 8 & 9 thru 16 = _____ Volt Amperes

Total Service Load Volt Amperes / 240 volts = _____ Amperes

Service Rating Amperes = _____ Amperes

Service Rating Amperes must be equal to, or greater than, Total Service Load Amperes -
 but in no case, less than 100 Amperes (CEC 225.39 & 230.79)