

## NEC Standard Electrical Load Calculation for Single Family Dwellings

(Only for Service Ratings of 120/240V, 225 Amps Max)

Owner: \_\_\_\_\_ Location: \_\_\_\_\_

Total Floor Area of Dwelling (NEC 220.12) \_\_\_\_\_ SQFT.

Factor	Quantity	Volt Amperes (VA)
<b>“General Lighting”</b>		
1. General Lighting (SQFT X 3 VA/SQ FT (Table 220.12))	3 X sqft.	
2. Small Appliance Circuits (1500 VA per circuit) (NEC 220.52(A)) (minimum 2)	1500 X	
3. Laundry Circuit (1500 VA per circuit) (NEC 220.52(B))	1500 X	
4. Total General Lighting Load (Add lines 1, 2 & 3):		
5. First 3000 VA @ 100%:		3000
6. Total General Lighting Load – 3000 = _____ @ 35%=		
<b>7. Net General Lighting Load (Per NEC 220.42) (Add lines 5 &amp; 6):</b>		
<b>*Fixed Appliances(if insufficient space, use back):</b>		
	YES	NO
• Garbage Disposal	<input type="checkbox"/>	<input type="checkbox"/>
• Bathroom Fan	<input type="checkbox"/>	<input type="checkbox"/>
• Microwave	<input type="checkbox"/>	<input type="checkbox"/>
• Dishwasher	<input type="checkbox"/>	<input type="checkbox"/>
• Other:	<input type="checkbox"/>	<input type="checkbox"/>
• Other:	<input type="checkbox"/>	<input type="checkbox"/>
Total		
8. 3 or less Appliances, Total Appliance VA; 4 or more Appliances, 75% of Total Appliance VA (NEC 220.53):		
<b>*Other Loads (including motors, EV charger(s), etc.)</b>		
	YES	NO
9. Electric Range (8000VA or Nameplate)**	<input type="checkbox"/>	<input type="checkbox"/>
10. HVAC	<input type="checkbox"/>	<input type="checkbox"/>
11. Electric Oven	<input type="checkbox"/>	<input type="checkbox"/>
12. Electric Dryer (5000 VA minimum)**	<input type="checkbox"/>	<input type="checkbox"/>
13. Electric Vehicle Charger	<input checked="" type="checkbox"/>	<input type="checkbox"/>
14. Other:	<input type="checkbox"/>	<input type="checkbox"/>
15. Other:	<input type="checkbox"/>	<input type="checkbox"/>
<b>16. 25% of largest motor (NEC 430.24)</b>		
<b>Total Service Load Volt-Amperes (VA) (Add lines 7, 8 &amp; 9 thru 16) =</b>		
<b>Total Service Load Volt-Amperes / 240-volts =            Amperes</b>		
<b>***Service Rating (Amperes)=</b>		

\* For every “YES” answer, indicate VA rating of equipment

\*\* Nameplate rating must be used if larger

\*\*\* Service Rating shall be greater than or equal to the Service load

As a covered entity under Title II of the Americans with Disabilities Act, the City of Los Angeles does not discriminate on the basis of disability and, upon request will provide reasonable accommodation to ensure equal access to its programs, services and activities.