

Wisconsin Department of Safety and Professional Services  
Division of Industry Services  
1400 East Washington Avenue  
Madison WI 53703



Phone: 608-266-2112  
Web: <http://dsps.wi.gov>  
Email: [dsps@wisconsin.gov](mailto:dsps@wisconsin.gov)

---

## Chapter SPS 324

### ELECTRICAL STANDARDS

#### Electrical Standards

Electrical wiring in new homes shall comply with the most recent version of the Wisconsin Administrative Electrical Code, ch. SPS 316.

Chapter SPS 316 adopts the National Electrical Code (NEC) standard by reference, subject to the changes, additions, or omissions specified in SPS 316 Subchapter III. The NEC is generally revised every three years.

## NEC Standard Electrical Load Calculation for Dwellings

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

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

Factor	Quantity	Volt Amperes (VA)
<b>“General Lighting”</b>		
1. General Lighting (SQ FT X 3 VA/SQ FT (Table 220.12))	s.f.	
2. Small Appliance Circuits (1500 VA per circuit) (NEC 220.52(A)) (min. 2)		
3. Laundry Circuit (1500 VA per circuit) (NEC 220.52(B))		
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 T. 220.42) (Add lines 5 &amp; 6):</b>		
<b>Appliances</b>		
	Total	
8. 3 or less Appliances, Total Appliance VA; 4 or more Appliances, 75% Total Appliance VA (NEC 220.53):		
<b>Other Loads (other than motors)</b>		
	Nameplate Rating (VA)	Adjusted Rating (VA)
9.		
10.		
11.		
12.		
13.		
<b>14. 25% of largest motor (NEC 430.24)</b>		
<b>Total Volt-Amperes (VA) (Add lines 7, 8 &amp; 9 thru 14) =</b>		
<b>Total Volt-Amperes / 240-volts =        Amperes</b>		
<b>Conductor Size (Indicate Copper or Aluminum)</b>		
<b>Service Rating (Amperes)</b>		

Note: See 2011 NEC Annex D, Example D1