

**LOAD CALCULATION FORM**  
**for Townhouses and Row Houses**

Last updated March 12, 2015

**To be completed by the Electrical Contractor before an Electrical Permit can be issued**

**Project Address:** \_\_\_\_\_ **Electrical Permit #:** \_\_\_\_\_

**Electrical Contractor:** \_\_\_\_\_ **Building Permit #:** \_\_\_\_\_

**Type of Service (Tick one)**                      Overhead:                      Underground: \_\_\_\_\_

**Size of Service (Amps, Voltage and Phase)**                      Amps:                      Voltage:                      Phase: \_\_\_\_\_

**Number of Meters, Amps and Phase**                      Number:                      Amps:                      Phase: \_\_\_\_\_

Number:                      Amps:                      Phase: \_\_\_\_\_

**Largest Unit**

<b>Unit Size</b>	_____	m <sup>2</sup>
3500 watts for the first 45m <sup>2</sup>	_____	W
1500 watts for the second 45 m <sup>2</sup> or portion thereof	_____	W
1000 watts for each 90 m <sup>2</sup> or portion thereof in excess of 90 m <sup>2</sup>	_____	W
Any electric range (CEC 8-200(a)(iv))	_____	W
Air conditioning (CEC 8-200(a)(iii))	_____	W
Please list any additional loads (CEC 8-200(a)(vii))	_____	W
<b>Subtotal Watts</b>	_____	W

**Second-Largest Unit**

<b>Unit Size</b>	_____	m <sup>2</sup>
3500 watts for the first 45m <sup>2</sup>	_____	W
1500 watts for the second 45 m <sup>2</sup> or portion thereof	_____	W
1000 watts for each 90 m <sup>2</sup> or portion thereof in excess of 90 m <sup>2</sup>	_____	W
Any electric range (CEC 8-200(a)(iv))	_____	W
Air conditioning (CEC 8-200(a)(iii))	_____	W
Please list any additional loads (CEC 8-200(a)(vii))	_____	W
<b>Subtotal Watts</b>	_____	W

**Third-Largest Unit**

<b>Unit Size</b>	_____	m <sup>2</sup>
3500 watts for the first 45m <sup>2</sup>	_____	W
1500 watts for the second 45 m <sup>2</sup> or portion thereof	_____	W
1000 watts for each 90 m <sup>2</sup> or portion thereof in excess of 90 m <sup>2</sup>	_____	W
Any electric range (CEC 8-200(a)(iv))	_____	W
Air conditioning (CEC 8-200(a)(iii))	_____	W
Please list any additional loads (CEC 8-200(a)(vii))	_____	W
<b>Subtotal Watts</b>	_____	W

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**Service Conductors**

The minimum ampacity of the service conductors supply two or more dwellings shall be based on the following (CEC 8-202(3)(a)):

100% of the calculated load in the unit having the heaviest load	_____	W
65% of the sum of the calculated loads in the next 2 units having the same or next smaller loads	_____	W
40% of the sum of the calculated loads in the next 2 units having the same or next smaller loads	_____	W
25% of the sum of the calculated loads in the next 15 units having the same or next smaller loads	_____	W
10% of the sum of the calculated loads in the remaining units	_____	W
Subtotal Watts	_____	W

**House Loads**

Please list all house loads (at 75% per CEC 8-202(e))

_____	W
_____	W
_____	W
_____	W
Subtotal Watts	_____ W

**Electric Space Heating**

Electric space heating loads (as permitted in CEC Section 62)

First 10000 Watts at 100% of electric base board heat (CEC Section 62)

The balance of the connected heating load at 75% (CEC Section 62)

_____	W
_____	W
_____	W
Subtotal Watts	_____ W

**Total Watts** \_\_\_\_\_ **W**