



**City of Boulder City**  
 Community Development Department  
 Building and Safety Division  
 401 California Avenue  
 Boulder City, Nevada 89005  
 702-293-9282 (Main Line)  
 702-293-9392 (Fax)

## Electrical Load Calculation Worksheet

Property Address: \_\_\_\_\_ BC NV 89005  
 Owner's Name: \_\_\_\_\_  
 Owner's Address: \_\_\_\_\_

General Lighting Load (s.f.): \_\_\_\_\_ X 3 Volt Amps = \_\_\_\_\_ VA  
 Small Appliance Circuit (Minimum of Two).....at 1500 VA Each = \_\_\_\_\_ VA  
 Laundry Circuit (Washing Machine) (Minimum of One).....at 1500 VA = \_\_\_\_\_ VA  
**SUBTOTAL (1)** \_\_\_\_\_ VA

First 3,000 VA of Subtotal at 100%..... = 3,000 VA  
 Remainder of Subtotal at 35%..... X .35 = \_\_\_\_\_ VA  
 If over 120,000 VA, use 25%..... X .25 = \_\_\_\_\_ VA

**Electrical Cooking Appliances – Use NEC Table 220-19**

Range \_\_\_\_\_ Oven \_\_\_\_\_  
 Counter Top \_\_\_\_\_ Other \_\_\_\_\_ = \_\_\_\_\_ VA  
 Dryer Load at 100% VA..... = \_\_\_\_\_ VA  
**SUBTOTAL (2)** \_\_\_\_\_ VA

**Fixed Appliances – Use 100% (If 4 or more, a demand of 75% is allowed)**

Garbage Disposal \_\_\_\_\_ Water Heater \_\_\_\_\_  
 Dishwasher \_\_\_\_\_ Microwave \_\_\_\_\_  
 Trash Compactor \_\_\_\_\_ Other \_\_\_\_\_  
 Total Appliance Load \_\_\_\_\_ X \_\_\_\_\_ % = **SUBTOTAL (3)** \_\_\_\_\_ VA

**Heating and Air Conditioning Equipment**

Equipment	VA Rating	Equipment	VA Rating
_____	@ _____	_____	@ _____
_____	@ _____	_____	@ _____
_____	@ _____	_____	@ _____
			<b>SUBTOTAL (4)</b> _____ VA

**Miscellaneous Motor Loads**

Name	VA Rating	Add 25% for Largest Motor (LM) Including A/C Components	
_____	_____		
_____	_____		
		+ 25% LM _____	
			<b>SUBTOTAL (5)</b> _____ VA

**GRAND TOTAL OF SUBTOTALS (2) + (3) + (4) + (5)** \_\_\_\_\_ VA

**GRAND TOTAL VA** \_\_\_\_\_ **DIVIDED BY 240 VOLTS** = \_\_\_\_\_ **AMPS**