

**HUMBOLDT COUNTY BUILDING DEPARTMENT  
CITY OF WINNEMUCCA BUILDING DEPARTMENT**

**RESIDENTIAL ELECTRICAL SERVICE REQUIREMENTS**

Note: Calculation shall be completed by a qualified electrical engineer or a Nevada licensed electrical contractor

1. If a residence is over 2500 square feet an electrical calculation is required to determine the service size. Branch circuit, feeder and service calculation shall be completed per Article 220 of the 2002 National Electrical Code.
2. Other loads including well wiring circuits and outbuildings shall be included to determine the service load.
3. Manufactured housing feeder and/or service wires are sized by the manufacturer. However the actual load calculation can be used to determine if a service would need to be increased to 400 amps. Some houses are 200 amp but have gas appliances.
4. The owner/contractor/dealer should consider future construction when sizing the electrical service.
5. Humboldt County Ordinance 01-03-05 allows only 1 service for a residential lot. The power company will require commercial requirements on any additional services on a residential lot. Therefore the requirement for a 400-amp service may be necessary. You should check options on your 400-amp service. There are different configurations for distributing the loads.
6. The power company shall be contacted for their requirements and necessary equipment approval.