

# BREMER COUNTY BUILDING, ZONING & SANITATION

## Residential Service Calculation

### General Method

Permit requests for new services or service change outs, building additions or remodels will need to be accompanied by the service calculations used to determine the service size. The permit application will need to be completed in detail showing, but not limited to, the name of the utility company, service location, system voltage, type and size of conductors, wiring method to be used, location of the service disconnect, type of grounding electrodes and the size of the grounding electrode conductors.

**Project Name:** \_\_\_\_\_

**Address:** \_\_\_\_\_

General Lighting	Line	Neutral
_____ sq ft x3 VA	_____	_____
_____ x1500 VA (small appliance)	_____	_____
_____ x15 VA (laundry)	_____	_____
_____ VA x100% (0 to 3,000)	_____	_____
_____ VA x35% (3,001 to 120,000 VA)	_____	_____
_____ VA x25% (+120,000 VA)	_____	_____
<b>TOTAL</b>	_____	_____

Fixed Appliances (more than three 75%) (name of appliance)	Line	Neutral
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
<b>TOTAL</b>	_____	_____

_____ KW Range	_____	_____
_____ KW Dryer	_____	_____
Heating or Cooling (largest)	_____	_____
Largest Motor x25%	_____	_____
<b>Total (all lines)</b>	_____	_____

**Amperage** \_\_\_\_\_/240V = \_\_\_\_\_/240V =