



### BEC Electrical Load Analysis

Required for all electrical service requests. For services greater than 200 amps a site plan, one-line diagram and load analysis will be required.

Date: \_\_\_\_\_

#### General Information

Project Name: \_\_\_\_\_  
Project Street Address: \_\_\_\_\_

Property Owner: \_\_\_\_\_  
Owner Address: \_\_\_\_\_  
City, State, Zip Code: \_\_\_\_\_  
Phone Number: \_\_\_\_\_ Mobile: \_\_\_\_\_ Fax: \_\_\_\_\_  
E-mail Address: \_\_\_\_\_

Agent: \_\_\_\_\_  
Agent Address: \_\_\_\_\_  
City, State, Zip Code: \_\_\_\_\_  
Phone Number: \_\_\_\_\_ Mobile: \_\_\_\_\_ Fax: \_\_\_\_\_  
E-mail Address: \_\_\_\_\_

Construction Site Contact Name: \_\_\_\_\_  
Construction Site Phone Number: \_\_\_\_\_

#### Required Information and Submittals

Site Plan and Electrical One Line \_\_\_\_\_  
(Plans including all Easements and Existing Utilities)  
Electrical Load Analysis (see attached sheet 2 of 2) \_\_\_\_\_  
Requested Point of Service & BEC Transformer \_\_\_\_\_  
Location (Approval by BEC's Engineering Department) \_\_\_\_\_  
Type of Service Overhead or Underground \_\_\_\_\_  
Square Footage of Building \_\_\_\_\_  
Electric or Gas Heat \_\_\_\_\_  
New Construction or Remodeling \_\_\_\_\_  
Construction Start Date \_\_\_\_\_

#### Billing Information

Name and Company: \_\_\_\_\_  
Billing Address: \_\_\_\_\_  
City, State, Zip Code: \_\_\_\_\_

Note: All information must be provided prior to the project engineering taking place.



## BEC Electrical Load Analysis

### Electric Load Analysis

Main Disconnect Size: \_\_\_\_\_ Amps \_\_\_\_\_ Volts \_\_\_\_\_ Phase

Lighting Load: \_\_\_\_\_ kW

Receptacle Load: \_\_\_\_\_ kW

Equipment Load:

1. A/C \_\_\_\_\_ kW

2. Heat \_\_\_\_\_ kW

3. Water Heater(s)

4. Office Equipment

5. Fire Pumps

6. Miscellaneous

7. Miscellaneous

largest load of heating or cooling = \_\_\_\_\_

= \_\_\_\_\_

= \_\_\_\_\_

= \_\_\_\_\_

= \_\_\_\_\_

= \_\_\_\_\_

= \_\_\_\_\_

Kitchen Load: \_\_\_\_\_ kW x \_\_\_\_\_

= \_\_\_\_\_

= \_\_\_\_\_

Largest Motor Load: \_\_\_\_\_ HP

= \_\_\_\_\_

(Motor's 41 hp and larger will require assisted start)

kW x 1.25 = First 10 kW at 100% remainder over 10 kW at 50%

= \_\_\_\_\_

**Total Connected Load:** \_\_\_\_\_

= \_\_\_\_\_

Total Connected Load: \_\_\_\_\_ kW

Future Load: \_\_\_\_\_ kW + Total Connected Load \_\_\_\_\_ kW

Total Amp Load of : \_\_\_\_\_ Amps at \_\_\_\_\_ Volt \_\_\_\_\_ Phase, \_\_\_\_\_ Wire

**Comments:**

Application Completed By: \_\_\_\_\_ Signature \_\_\_\_\_ Print Name \_\_\_\_\_ Date: \_\_\_\_\_ MM-DD-YY

BEC Representative: \_\_\_\_\_ Name \_\_\_\_\_ Date: \_\_\_\_\_ Received \_\_\_\_\_ Phone No. \_\_\_\_\_

**Note: All information must be provided prior to the project engineering taking place.**