



# Bluebonnet Electric Cooperative, Inc. Detailed Commercial Load Data

(Anything other than Residential)

Bluebonnet Electric Cooperative, Inc.  
3198 E. Austin Street  
Giddings, TX 78942  
Phone: (800)-842-7708 Fax: (979)-542-4150

BP # \_\_\_\_\_ W.O. # \_\_\_\_\_

Email Address: \_\_\_\_\_

Applicant Name: \_\_\_\_\_ Phone No: \_\_\_\_\_

Service Address: \_\_\_\_\_ Date: \_\_\_\_\_

Electrician/Engineer: \_\_\_\_\_ Phone No: \_\_\_\_\_

**REQUESTED ELECTRICAL SERVICE**    **BUSINESS TYPE:** \_\_\_\_\_

**PRIMARY**

- Overhead
- Underground

**SECONDARY SERVICE**

- Overhead
- Underground

**SECONDARY VOLTAGE**

- |  |  |
|--|--|
| <input type="checkbox"/> 120/240 - 1Ø 3 Wire   | <input type="checkbox"/> 240/480 - 1Ø 3 Wire   |
| <input type="checkbox"/> 120/208 - 3Ø 4 Wire Wye (Service is limited to (3) 100 kVA transformers on the pole). | <input type="checkbox"/> 277/480 - 3Ø 4 Wire Wye (Service is limited to (3) 100 kVA transformers on the pole). |
| <input type="checkbox"/> 120/240 - 3Ø 4 WIRE DELTA (O/H banks only)  | <input type="checkbox"/> 480 - 3Ø 3 WIRE DELTA (O/H banks only, Corner Grounded)                               |

**Single phase transformers are limited to (1) 100 kVA transformer for an overhead service & (1) 167 kVA pad mount transformer for underground service.**

**MAIN DISCONNECT** (AMPERES) New \_\_\_\_\_ Existing (If Any) \_\_\_\_\_

Total connected load in Amps. \_\_\_\_\_

**SECONDARY SERVICE ENTRANCE CONDUIT**

Size \_\_\_\_\_ In.                      Quantity \_\_\_\_\_

**Member's service wire MUST be sized to accommodate the **TOTAL DISCONNECT SIZE or FUSE/BREAKER installed.****

**Residential service may down size their neutral 2 sizes.**

**Commercial service MUST pull in a full size neutral whether it will be used or not.**



**SECONDARY SERVICE ENTRANCE CONDUCTORS**

Copper Wire       Aluminum Wire

Wire Size \_\_\_\_\_ Quantity \_\_\_\_\_ per phase including the neutral.

**BUILDING SIZE** \_\_\_\_\_ SQ.FT.

**HOURS OF OPERATION** \_\_\_\_\_ **DAYS OF THE WEEK** \_\_\_\_\_

**HEAT and AIR CONDITIONING**

Electric Heat (total) \_\_\_\_\_ (kW) \_\_\_\_\_ (Amps)

A/C (total) \_\_\_\_\_ (kW) \_\_\_\_\_ (Amps)

Geothermal (motor size) \_\_\_\_\_ (kW) \_\_\_\_\_ (Amps)

\_\_\_\_\_ (FLA - Full Load Amps)

\_\_\_\_\_ (LRA - Locked Rotor Amps)

**TOTAL LIGHTING LOAD** \_\_\_\_\_ (kW) \_\_\_\_\_ (Amps)

**MOTORS** (Other Than Air Conditioning)

Motors or motor loads totaling more than 25 HP, may require soft starters or VFD's and/or 3 Phase Service. VFD's will require appropriate filtering. Please Contact Bluebonnet Electric's Engineering Department for further information.

**1Ø Motor(s)**

\_\_\_\_\_ HP \_\_\_\_\_ Quantity \_\_\_\_\_ (Amps)

\_\_\_\_\_ HP \_\_\_\_\_ Quantity \_\_\_\_\_ (Amps)

\_\_\_\_\_ HP \_\_\_\_\_ Quantity \_\_\_\_\_ (Amps)

\_\_\_\_\_ HP \_\_\_\_\_ Quantity \_\_\_\_\_ (Amps)

\_\_\_\_\_ HP \_\_\_\_\_ Quantity \_\_\_\_\_ (Amps)

**Total 1Ø Motor** \_\_\_\_\_ **HP** \_\_\_\_\_ **(Amps)**



**3Ø Motor(s)**

\_\_\_\_\_ HP \_\_\_\_\_ Quantity \_\_\_\_\_ (Amps)

\_\_\_\_\_ HP \_\_\_\_\_ Quantity \_\_\_\_\_ (Amps)

\_\_\_\_\_ HP \_\_\_\_\_ Quantity \_\_\_\_\_ (Amps)

\_\_\_\_\_ HP \_\_\_\_\_ Quantity \_\_\_\_\_ (Amps)

\_\_\_\_\_ HP \_\_\_\_\_ Quantity \_\_\_\_\_ (Amps)

**Total 3Ø Motor** \_\_\_\_\_ **HP** \_\_\_\_\_ **(Amps)**

**Itemized Amp Load**

	<u>Load</u>	<u>Quantity</u>	<u>Amps</u>	<u>kW</u>
1.	_____	_____	_____	_____
2.	_____	_____	_____	_____
3.	_____	_____	_____	_____
4.	_____	_____	_____	_____
5.	_____	_____	_____	_____

**Total Itemized Load** \_\_\_\_\_ **(Amps)** \_\_\_\_\_ **(kW)**

**Total Load on System**

Heating Load \_\_\_\_\_ (Amps) \_\_\_\_\_ (kW)

A/C Load \_\_\_\_\_ (Amps) \_\_\_\_\_ (kW)

Lighting Load \_\_\_\_\_ (Amps) \_\_\_\_\_ (kW)

Motor Load \_\_\_\_\_ (Amps) \_\_\_\_\_ (kW)

Itemized Load \_\_\_\_\_ (Amps) \_\_\_\_\_ (kW)

**Total Load** \_\_\_\_\_ **(Amps)** \_\_\_\_\_ **(kW)**

AUTHORIZED ELECTRICIAN'S SIGNATURE \_\_\_\_\_

PRINT NAME: \_\_\_\_\_ LICENSE # \_\_\_\_\_

DATE: \_\_\_\_\_ PHONE # \_\_\_\_\_