

**GOLDEN VALLEY ELECTRIC ASSOCIATION, INC.**

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**COVER SHEET  
ELECTRICAL LOAD DATA AND ELECTRICAL PRINT**

Application Name \_\_\_\_\_ Telephone \_\_\_\_\_

Business Name \_\_\_\_\_ Telephone \_\_\_\_\_

Mailing Address \_\_\_\_\_

New Service Location \_\_\_\_\_

Architect/Engineer \_\_\_\_\_ Telephone \_\_\_\_\_

Electrical Contractor \_\_\_\_\_ Telephone \_\_\_\_\_

Mailing Address \_\_\_\_\_ License # \_\_\_\_\_

Service Requested: Volts \_\_\_\_\_ Phase \_\_\_\_\_ Amps \_\_\_\_\_ Configuration (Y or Δ) \_\_\_\_\_

The Association has adopted the National Electrical Code (NEC) as the minimum standard acceptable for electrical installations it serves. The member should be aware that in addition to NEC requirements there may be more stringent requirements imposed by the Association.

Golden Valley requires a detailed electrical print and detailed listing of the electrical load by a registered electrical engineer or licensed electrical contractor on all multi-residential, commercial and industrial services. Please ensure all applicable information required on the list below is attached to this cover sheet.

**Checklist of Required Information**

*(see reverse side for more information):*

- \_\_\_ Site Plan
- \_\_\_ Connected Load
- \_\_\_ Motors and Starters
- \_\_\_ Diversified Demand
- \_\_\_ Electrical Print
- \_\_\_ Conductors and Conduits
- \_\_\_ Over-current Device(s)
- \_\_\_ Meter(s) *(to include numbering system)*
- \_\_\_ Equipment Bonding and Grounding
- \_\_\_ Sealing Provisions

When you have submitted the required information, Golden Valley will prepare a "Service Entrance Equipment Requirement" sheet. A copy of this sheet will be sent to the applicant. **DO NOT ORDER** equipment prior to receiving this "Service Entrance Equipment Requirement" sheet.

Load and Print Data Submitted by: \_\_\_\_\_ Date \_\_\_\_\_

Load and Print Data Received by: \_\_\_\_\_ Date \_\_\_\_\_

## LOAD AND PRINT INFORMATION REQUIRED BY GVEA

### **Site Plan**

Site plan must include property lines; location of structure to be served by utility with respect to the property lines; location of service entrance equipment; location of GVEA transformer pole that is to serve your structure; distance between GVEA transformer pole and your service entrance equipment.

### **Connected Load**

This is the total connected load in kilovolt-amperes (kVA) per National Electric Code.

Motors and Starters: GVEA conducts a motor starting study for motors 10 horsepower and larger. If the load contains motor(s) rated 10 horsepower or larger, then the following data is required for each motor:

- Rated horsepower
- NEC locked-rotor indicating code letter
- Voltage
- Indicate whether single phase or three phase
- Indicate motor starting method (full voltage, reduced voltage [auto transformer], or drive)
- Indicate motor starting and running sequence for multiple motors

### **Diversified Demand**

If the load is a dwelling type load, then the demand (in kilowatts) would be the load computed per the current National Electric Code. It includes a calculation for the individual dwelling units as well as the total load on the service equipment.

For other type loads, the demand (in kilowatts) is a knowledgeable estimate by a registered electrical engineer of the maximum load over a 15-minute time interval.

### **Electrical Print**

Include a one-line diagram AND riser diagram of service equipment from service entrance conductors through the main disconnect and describing all physical details of installation.

- Conductors and conduits – type, insulation, size, and number
- Over-current Device(s) and Equipment AIC rating
- Meter(s) – including numbering system
- Equipment Bonding and Grounding – per NEC and GVEA Electrical Service Entrance Requirements
- Sealing Provisions – All access to unmetered conductors or bussing shall have provisions for installing split/lock seals in accordance with GVEA Service Security Equipment Sealing program. All meter retaining rings will be the screw type. More detailed information is available on request.

Revised 2/20/02