




# BENTON RURAL ELECTRIC ASSOCIATION

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A Touchstone Energy® Cooperative 

## Benton REA Motor Installation Data

Benton REA's intention is to verify that motor installations will not adversely affect the REA's Distribution System or its Members. These adverse effects include:

- Excessive voltage flicker on motor start-up
- Harmonic current drawn by variable or adjustable speed drives

In order to help avoid these problems, Benton REA asks for the following information regarding large motors (those greater than 50HP) and any variable speed drive.

### MOTOR AND LOCATION DATA

#### Member Supplied Data

##### Large Motors ( >50HP )

Size of Motor(s) [HP] \_\_\_\_\_

Proposed Starting Method \_\_\_\_\_

Load Pattern (hours per cycle) \_\_\_\_\_

Operating Cycles (per day) \_\_\_\_\_

##### Variable Speed Drives (MUST meet IEEE 519)

Size of Motor(s) [HP] \_\_\_\_\_

Total Load at Service \_\_\_\_\_

Description of Additional Load \_\_\_\_\_

\_\_\_\_\_

Load Pattern (hours per cycle) \_\_\_\_\_

Operating Cycles (per day) \_\_\_\_\_

#### Benton REA Supplied Data

Line Section #: \_\_\_\_\_

##### Transformer Information

ID Number(s) \_\_\_\_\_

kVA Rating \_\_\_\_\_

Impedance (%Z) \_\_\_\_\_

Primary Voltage (kV) \_\_\_\_\_

Secondary Voltage (V) \_\_\_\_\_

Member Name: \_\_\_\_\_

Work Order #: \_\_\_\_\_

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