

Part 1: Electrical Requirements

140) Service Overcurrent Protection

140.10) Fuses

Fuse requirements are listed below.

140.10.10) Fuse Curves

The Customer shall provide We Energies information, including the manufacturer, type and family of time versus current curves for the proposed fuse type. We Energies will then specify the maximum fuse size that will be allowed at the particular substation location.

140.10.20) Fuse Mountings

All outdoor fuse mountings installed in Customer Substations for service protection shall be of the disconnecting type and shall be removable using a hotstick.

140.20) Circuit Breakers

Circuit breaker requirements are listed below.

140.20.10) Relays

a) We Energies will specify the type and maximum setting of overcurrent relays. The Customer shall provide We Energies certified test reports verifying relay settings and calibration.

b) The current transformers to which the overcurrent relays are connected shall be located on the supply side of the main circuit breaker.

140.20.20) Control Supply Battery

The Customer shall provide, install and maintain a stationary storage battery of sufficient capacity to ensure tripping. Capacitor tripping schemes are not acceptable.

140.30) Circuit Reclosers

Recloser requirements are listed below.

140.30.10) Operating Curves

The Customer shall provide We Energies information including manufacturer, type and operating curves. We Energies will then specify the maximum trip current or control settings.

140.30.20) Recloser Operation

The recloser must be equipped and set for single non-reclosing operation. *Automatic reclosing of Customer service protective devices is not permitted.*