

Part 3: Equipment Control

Keyed permissive switch contacts shall allow only We Energies to defeat this scheme to perform closed transition switching during abnormal power system conditions.

320.10.40) Preferred/Alternate Source Selection

- a) The control scheme must allow for field adaptation for selection of the preferred source.
- b) The control shall not allow the switchgear to automatically return to the preferred (normal) source after having been transferred to an alternate source. Source return shall be made only by We Energies personnel. The equipment may automatically return to the preferred supply if the alternate supply is de-energized and the preferred supply has been restored.

320.20) Indicating Features

Indicating lamps shall be provided to monitor both normal and alternate line potential conditions.

320.30) Sensing

320.30.10) If installed on the 26.4 kV subtransmission system, over/under voltage sensing must be adjustable to compensate for future conversion of primary voltage from 26.4 kV subtransmission to 24.9Y/14.4 kV distribution.

320.30.20) Potential transformers supplying control power or voltage sensing must have removable high and low voltages fuses. They must be We Energies approved devices since they are directly connected to We Energies lines.

330) Switchgear or Circuit Breaker with Manual Transfer

330.10) Two Lines Serving A Common Load With Manual Transfer

One set of overcurrent relays may be used for both lines' circuit breakers provided that the relays will not be affected during a time when We Energies may be performing closed transition switching during abnormal system configurations.

330.20) Two Lines Serving Separate Loads With Manual Transfer

330.20.10) This system may be operated with both line circuit breakers normally closed and the bus tie circuit breaker normally open, or with one line circuit breaker closed and the bus tie circuit breaker normally closed and the remaining line circuit breaker normally open.

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330.20.20) The circuit breaker control circuits shall be arranged so that the three circuit breakers (two line breakers and one bus tie breaker) cannot be normally closed at the same time. Keyed permissive switch contacts shall allow only We Energies to defeat this scheme to perform closed transition switching during abnormal power system conditions.