Electrical Safety Authority

The OESC 28th Edition
Proposals for Ontario Amendments

Proposal Number: 2021-OA-018

Rule 75-904
Description of Change: Revised Rule 75-904 to allow other methods to install a transfer device.
Submitted by: CM system working group

Background: With the current industry practice and addition of padmounted transformers and central metering to section 75, requests have been made to install ground mounted transfer devices. Currently the OESC does not recognize central metering ground mounted installations with direct access to grade.

Rationale: Amended Rule permitting transfer devices can also be ground mounted. The proposal will recognize the ground mounted transfer device will be permitted to be installed before the service box or after the service box. If the installed ahead of the service box, then Section 6 requirements are to be met including the transfer device to contain integral overcurrent protection.

Proposed Change:

75-904 ~~Pole-top t~~Transfer device~~s~~ for CMS

~~Pole-top transfer devices shall be installed to the following requirements:~~

~~a) the transfer device shall be approved for the purpose;~~

~~b) the minimum rating of a transfer device shall be equal to or greater than 80% of the sum of all service boxes supplied; and~~

~~c) the minimum clearances on the pole shall be those shown on Specification 41~~

1) Installation of ground mounted transfer devices shall meet the requirements of Section 6.
2) Pole-top mounted transfer devices for CMS shall:
   a) have a minimum ~~ampacity~~ rating equal to or greater than 80% of the sum of all service boxes supplied;
   b) meet the minimum clearances shown on Specification 41; ~~and~~
   c) be permitted to be installed ahead of the service box without integral overcurrent protection, provided that it has a withstand rating equal to or greater than the available fault current levels~~.~~; and
   d) in compliance with the requirements of the supply authority.