

Electrical Distribution Safety

DISTRIBUTION COMPANY AWARENESS:

An incident which occurred in Ontario has prompted a LDC to review and clarify their existing Standard Operating Procedure, with respect to connecting customer owned services to transformers. This bulletin outlines the events leading to the incident and the corrective action taken to address the incident.



INCIDENT INFORMATION:

While installing a 3 phase transformer for a customer owned service the neutral conductor (indicated with white markings) was connected by the electrician to the secondary side of a phase conductor (also indicated with white markings). When the customer service was energized it created a fault on the distributor's white phase to ground. After the LDC reviewed the incident a corrective action to update the Standard Operating Procedure was undertaken to clearly define the roles, timing and responsibilities of different stakeholders.

The LDC modified their Standard Operating Procedure to:

LDC staff is to work on the high voltage conductor and the LDC owned transformer. The electrician (or approved qualified contractor) will perform all necessary secondary work including terminations, splices and training of cables into place of connection. LDC staff will bolt the conductors onto the secondary place of connection.

ESA RECOMMENDS:

LDCs review their Standard Operating Procedures to ensure connections are made safely, correctly and that the stakeholder's roles are clearly defined.

ADDITIONAL INFORMATION:

If you can provide additional information on this Bulletin or any other Utility issue, please contact ESA to share your experiences. Additional information requests, and follow-up information, may be directed to ESA. Please be prepared to quote Bulletin "DIB-08/10".