

Electrical Distribution Safety

DISTRIBUTION COMPANY AWARENESS

Recently, there have been concerns from some LDC's in regards to issues involving using single phase inverters on three phase distributed generation systems. Some of these concerns are lack of protection against phase failure and voltage imbalance, missing sensing devices for system stability and balanced generation.

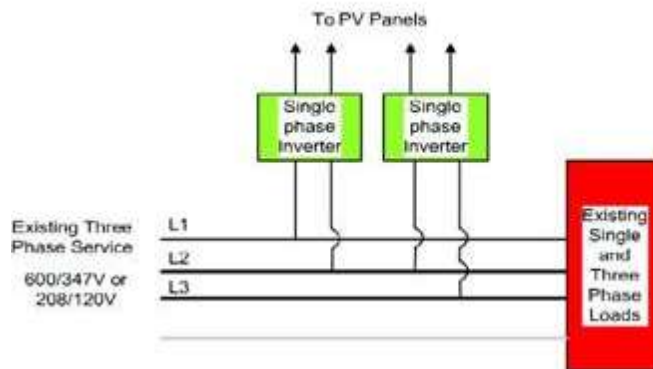
This bulletin is to inform the LDC's of the existing Ontario Electrical Safety Code (OESC) requirements to provide sensing and protection devices against loss of utility or electric power production source voltage and other devices necessary for system stability (Rules 84-008, 84-014 and 84-018). Further clarifications to Section 84 requirements are indicated on bulletin #84-1-* **“Interconnection of electric power production sources.”**

The ESA will be requesting the confirmation letter from the customer indicating the installation meets all requirements of the supply authority.

The bulletin can be viewed at the following link:

http://www.esasafe.com/assets/files/esasafe/pdf/Sample_Bulletins/84-1-8.pdf

Single-phase inverters connected to a three-phase utility system



ADDITIONAL INFORMATION

Information requests and follow-up may be directed to ESA at Utility.Regulations@ElectricalSafety.on.ca. For questions on this bulletin please be prepared to quote Bulletin “DIB-01/12”.