



## SUPPLEMENTAL PROTECTION REQUIREMENTS FOR NON-UTILITY PARALLEL OPERATED GENERATION

In addition to the Interconnection Requirements supplied on the DLC [Customer Owned Generation Page](#) and within the DLC [Electrical Service Installation Rules](#), all non-utility electric generation or storage systems (referred to generally as Distributed Energy Resources, or DERs) that are to operate in parallel with the DLC system shall adhere to the supplemental protection requirements as described below.

1. For non-utility electric generation or storage systems at a premises having an aggregate total nameplate AC capacity of greater than or equal to 500 kW, the following requirements apply:
  - a. Utilization of transformer with the high-side winding specified by DLC
  - b. Installation of a dedicated DLC-owned recloser or circuit breaker at the point-of-interconnection (POI) controlled by DLC-owned relaying
  - c. Installation of a DLC-owned power quality meter
  - d. Installation of a fiber optic direct transfer trip (DTT) protection scheme between the customer POI and DLC facilities -OR- installation of a multi-grounded common neutral (MGCN) from the POI to the nearest DLC substation, to be specified by DLC
  - e. Upgrade of associated DLC substation protective relaying, as necessary, to contain features including, but not limited to, sync check, event monitoring and anti-islanding protection \_\_\_\_\_
  - f. Installation of DLC-owned telemetry measurement devices for input into the DLC supervisory control and data acquisition (SCADA) system
2. For non-utility electric generation or storage systems at a premises having an aggregate total nameplate AC capacity of less than 500 kW, no additional requirements are provided in this Supplement.
3. All inverter based non-utility electric generation or storage systems that are to operate in parallel with the DLC system shall utilize inverters that conform to IEEE 1547 and UL 1741 SA. All inverters shall operate with Active Anti-Islanding Protection enabled.

It is possible that additional requirements may apply in atypical scenarios that will be assessed on a case-by-case basis. As necessary, any additional requirements will be communicated to the electric generation or storage system owner/developer.