

DER SINGLE LINE DIAGRAM CHECKLIST

Micro Generation ($\leq 10\text{kW}$)

This document is provided as a tool for proponents applying for the connection of distributed energy resources (DER) to the Tillsonburg Hydro (THI) distribution system. Additional items may be required that are not outlined in this document.

1. Title Block

- Legal name of facility owner
- Facility address or location
- THI Project ID, provided on the Preliminary Consultation Report
- Customer account number at facility
- Project type (net, emergency backup, load displacement, etc.)
- Revision history

2. Distribution System Information

- Station Name (Transformer Station, Distribution Station, Municipal Station)
- Feeder ID and voltage
- Distribution transformer identification number
- Distribution switch identification number upstream of the PCC

3. Facility Service

- Identify existing or new facility
- Point of Common Coupling (typically load side of meter)
- THI Metering
- Customer main switch for facility
- Service rating (voltage, amperage)

4. Generator(s)

- Generator isolation switch, type, size, rating, etc.
- Generator isolation switch location (to be located within 1.0 meters of the meter base)
- Provide the length(s), ownership and size(s) of line(s) from PCC to the generator(s)
- Identify all generators (new or existing) including emergency backup generators
- Identify existing generator(s) type, size and purpose (MFIT, emergency backup, etc.)
- New generator(s) type, size and purpose
- IEEE/ANSI protection elements for all devices
- CSA Certification

5. Tillsonburg Hydro Technical Interconnection Requirements

- All information must be legible and of a reasonably sized font for ease of reading
- The generation facility must comply with Tillsonburg Hydro's DER Technical Interconnection Requirements
- The generation facility must comply with the host distributor's (Hydro One) DER Technical Interconnection Requirements
- All designs and electrical installations must comply with the Ontario Electrical Safety Code
- All electrical installations must have ESA Inspection and Connection Authorization