



Small Generation Interconnection Checklist

The City of Longmont will approve the connection of the Small Generation System when Building Services has received, and Longmont Power & Communications (LPC) has verified the information below. LPC may, at its discretion, perform a pre-parallel/anti-islanding test at the time the bi-directional electric meter is installed. Diversion and tampering fees will be assessed if your system is energized/turned on prior to LPC personnel installing a new bi-directional meter and issuing Permission to Operate (PTO).

For systems inside city limits, email this completed form, along with the system one-line diagram, plans, and engineer’s roof evaluation, to Building.Inspection@longmontcolorado.gov.

For systems outside city limits, email this completed form, along with the system one-line diagram and plans to [LPC Field Engineering Staff@longmontcolorado.gov](mailto:LPC.Field.Engineering.Staff@longmontcolorado.gov).

- The system will be constructed as specified in the one-line diagram and is certified by customer and installer to comply with city [interconnection standards](#).
- Customer & Installer (required information):
 - Customer Name _____
 - Customer Email Address* _____
 - Service Address _____
 - Customer Phone Number _____
 - Installer Name _____
 - Installer Email Address _____
 - Installer Address _____
 - Installer Phone Number _____
 - System Size _____ kW
 - Nameplate Rating of the Generator or Inverter(s) _____ kWAC
 - Expected Annual System Energy Production _____ kWh
 - Historical Annual Energy Consumption** _____ kWh**
 - Installed Battery Capacity (if applicable) _____ kWh/kW
 - Panel Upgrade Size (if applicable) _____ AMPS

* Permission to Operate (PTO) will be sent to the customer’s email address and is required prior to solar system energization.

** Based on the most recent 12 months. See page 2 for details on calculating annual energy consumption

Existing Customers

- For existing customers, work with your installer to determine the past 12 months of on-site consumption. Contact staff with questions at lpc.energystrategies@longmontcolorado.gov

New Owner/Tenant:

- For new owners or tenants, please contact LPC staff at lpc.energystrategies@longmontcolorado.gov to obtain a 12-month average annual energy consumption based on the previous three years on-site consumption.

For New Construction:

- For new construction, or in scenarios in which less than 12-months of energy consumption data is available, the owner and/or installer must work with their design consultant (architect, civil engineer, etc.) to determine a reasonable 12-month annual energy consumption estimate utilizing HVAC and other systems information, square footage, and electric panel size calculations.

New Equipment

- For solar system sizing purposes, new or planned electric equipment (e.g., EV chargers, heat pumps, etc.) shall not factor into consideration until 12 months of increased consumption data is available. Systems shall be sized to no more than 120% of the historical annual on-site consumption.

Related Longmont Municipal Code Information

System Sizing (Longmont Municipal Code [14.32.225.A.2](#)): Distributed generation systems shall be sized to supply no more than 120 percent of the annual average consumption of electricity by the customer at that site.

Islanding Protection (Longmont Municipal Code [14.32.225.C.6](#)): The System will cease to energize the LPC System when the generation equipment or inverter(s) is subjected to islanding conditions.

Direct current injection (Longmont Municipal Code [14.32.225.C.7](#)): The system shall not inject DC current into the LPC meter per IEEE 1547.

The City of Longmont Building Services Division typically approves solar permits within three (3) days following approval of the permit by LPC, barring any missing or incomplete documentation submitted by the customer or installer.

For more information visit our website at:

<https://www.longmontcolorado.gov/departments/departments-e-m/longmont-power-communications/electric-service/renewable-energy/solar-energy>