

## Electrical - Service Inspection

Request this inspection when an existing overhead service has been changed, or upgraded, an electrical panel has been changed, Solar Photovoltaic has been installed or repairs have been completed.

### Prepare

Learn about how to prepare for your [Residential](#) or [Commercial](#) inspection.

### Check - New Overhead Service Installation

The following are the most common items that are audited during this inspection. This list is not exhaustive. Compliance with all applicable codes and standards, including the current Canadian Electrical Code is required.

- EPCOR has disconnected the power. No utility meter has been installed yet.
- Installation is complete from the service point to the main electrical panel
- Service cable:
  - is adequately anchored at the power pole or source line
  - has an adequate height from the power pole to the building
- The weather head has adequate height
- The pole is securely attached to the building
- The final grade in front of the meter socket has been completed
- The meter base (socket):
  - is properly secured to the building
  - Is installed at an adequate height
  - has the appropriate voltage, amperage rating and type of wire (CU/AL) rating.
  - Has insulated neutral connection
  - is new (has never been used before)
- The location and size of the main distribution panel within the building is checked for voltage, amperage, phase, wire size, temperature rating and type
- Ground plate or rod has been installed and connected to the main electrical panel
- EPCOR approval is present if the service is greater than the typical 100A, 1 Phase 3 Wire
- After successfully passing this inspection, contact EPCOR at 780-412-3422 to request the service connection

## **Solar PV**

- Single-line diagram available for review and matches the installation
- The following matches the single-line diagram:
  - Circuit conductor's type and size
  - Module manufacturer/mode
  - Module count
- The following documents must be on site at the time of inspection:
  - Single line diagram
  - Rooftop photos
  - Interconnection document
- Module conductors are supported and are not touching the roof surface
- Modules and racking are properly secured on the roof
- The main disconnect is service-rated and has a correct current rating
- Breakers are sized correctly to protect circuits
- A lockable rapid shutdown device is installed
- main panel directory is present and labeling is correctly updated
- Work is done in a neat and all installation is completed by certified electricians
- Clearance and egress in front of the main panel
- Other buildings on the same property have the same module installation (if applicable)