



## Canadian Electrical Code 2012 – Key Changes for Electrical Contractors

- New Section 64 covering renewable energy systems
- Major updates to Section 50, solar photovoltaic systems
- New requirements and load calculations for Electric Vehicles
- Major changes to ampacity tables and calculations
- Several new conductor and cable types added.
- Protection of receptacles exposed to the weather
- Requirements to facilitate safe maintenance of roof top equipment
- New grounding / bonding requirements
- Cold temperature requirements for insulated conductors
- Vertical conductor support requirements
- Armoured cable in raceway now recognized
- New sub-section on requirements for installation of cable bus
- New support requirements for liquid tight flexible conduit
- Self contained wiring devices
- New requirement for outlet boxes used to support pendant type ceiling fans
- Installation requirements for retrofitted energy monitoring equipment
- Recognition of "equipment protection level" in hazardous locations
- Changes to sealing requirements for cables in Class I hazardous locations
- Rules for natural gas refuelling and storage aligned with CSA standard B108
- Hazardous area classification within commercial garages clarified
- Tamper resistant receptacles within child care facilities
- New and clarified requirements for receptacles in dwelling units
- Increased flexibility in selection of high voltage disconnecting means
- Clarification of disconnecting requirements for machine room-less elevators
- Changes to Wiring Methods for emergency power supply, unit equipment, exit signs, and life safety systems
- Fire protection of emergency power supply equipment
- Additional safety requirements for infrared radiant heaters
- Updated load calculations for electric heat
- Location of electric heat controls in bathrooms
- Disconnecting means for central units supplied by multiple circuits
- Requirements for splash pads
- Clarification of GFCI protection for spas and hot tubs
- "Fishing" of non-metallic cable through metal studs
- Updated requirements for cathodic protection systems