



# CHICAGO ELECTRICAL CODE

AUGUST 9, 2017

CHICAGO ELECTRICAL COMMISSION

# CHICAGO ELECTRICAL CODE

- Major revision since 2000 utilizing the 1999 NEC
- Document for minimum electrical requirements
- Maintains 90.1 – Purpose of the Code is for the practical safeguarding of persons and property from hazards arising from the use of electricity.

# 2017 NEC - BASIS OF ELECTRICAL CODE

- In line with the NEC
- Re-organization of Chapter 3 and 4 Articles
- Parallel numbering system of Articles and Sections
- 20 New Articles
- 5 New Annexes

# RENEWABLE ENERGY

- Revised much outdated CEC Article 625 with 2017 NEC Article 625
- Revised much outdated CEC Article 690 with 2017 NEC Article 690

# NEW RENEWABLE ENERGY ARTICLES

- Article 691 – Large Scale Solar
- Article 692 – Fuel Cell Systems
- Article 694 – Wind Electric Systems
- Article 706- Energy Storage Systems
- Article 710 – Stand-Alone Systems
- Article 712 – Direct Current Microgrids

# ENERGY EFFICIENCY TECHNOLOGY

- Article 220 – Branch-Circuit, Feeder and Service Calculations incorporating 2015 IECC concepts
- Article 406 Receptacles....Controlled receptacle marking, receptacles with USB Marking and energy smart receptacles
- Article 410- Lighting Luminaires...LED lighting
- Article 411 Low voltage luminaires

# CEC ARTICLES

- Article 225 – Outside Branch Circuit and Feeders
- Article 517- Health Care
- Article 560 – Dwellings
- Article 570 – Rehab
- Article 600 - Signs
- Article 700 – Emergency Systems
- Article 701 – Standby Generator
- Article 760 – Fire Alarms

# SIGNIFICANT CHANGES

- Article 100 - Definitions
- 210.8 – GFCI Requirements for dwellings and non-dwellings
- 201.12 – AFCI Protection
- Article 220 and Annex D Examples
- 230.70 – Disconnecting Means Location
- Table 250.66 – Grounding Electrode Conductor
- 250.58 – Hogan Ground requirements location



## SIGNIFICANT CHANGES

- Articles 725, 770 and all Chapter 8 Articles to include new low voltage technology