

Building and Safety Electrical Code Update

**THE 2008 NATIONAL ELECTRICAL
CODE WAS ADOPTED BY THE CITY
OF LINCOLN WITH AMMENDMENTS
ON MARCH 24, 2009**

CODE ADOPTION PROCESS

THERE ARE MANY STEPS IN THE CODE ADOPTION PROCESS. THE FOLLOWING ARE SOME OF THE STEPS THE CITY OF LINCOLN USES TO TURN A CONSTRUCTION CODE SUCH AS THE NATIONAL ELECTRICAL CODE INTO A LAW.

CODE ADOPTION PROCESS

- **Mayors Appointed Task Force reviews proposals and approves final recommendations.**
- **Code Study Committee reviews and approves.**
- **City Council has public hearing and votes to approve.**
 - **Mayors approval and signature**
- **After a 15 day waiting period- the code adoption process is complete and becomes Law.**

Highlights

THIS POWER POINT IS INTENDED TO HIGHLIGHT SOME OF THE UPDATED AMENDMENTS TO THE 2008 NATIONAL ELECTRICAL CODE AS ADOPTED BY THE CITY OF LINCOLN

GROUND FAULT CIRCUIT INTERRUPTERS

GROUND FAULT CIRCUIT INTERRUPTERS OR GFCI'S ARE DEVICES INTENDED TO PROTECT PEOPLE FROM ELECTRIC SHOCK WHEN USING ELECTRICITY IN A WET OR DAMP LOCATION.

GROUND FAULT CIRCUIT INTERRUPTERS (RESIDENTIAL)

ALL 125 VOLT 15 AND 20 AMP RECEPTACLES INSTALLED IN THE FOLLOWING LOCATIONS SHALL BE PROTECTED BY A GROUND FAULT CIRCUIT INTERRUPTER. (GFCI)

GROUND FAULT CIRCUIT INTERRUPTERS (RESIDENTIAL)

1. BATHROOMS
2. GARAGES, STORAGE, AND WORK AREAS
3. OUTDOORS
4. CRAWL SPACES
5. UNFINISHED BASEMENTS
6. KITCHEN COUNTERTOPS
7. WITHIN SIX FEET OF LAUNDRY, UTILITY, AND WET BAR SINKS.
8. BOATHOUSES

GROUND FAULT CIRCUIT INTERRUPTERS (COMMERCIAL)

1. BATHROOMS
2. KITCHENS
3. ROOFTOPS
4. OUTDOORS

TAMPER RESISTANT RECEPTACLES

ALL 125 VOLT 15 AND 20 AMP RECEPTACLES
INSTALLED FOR DWELLING UNITS MUST BE
OF THE TAMPER RESISTANT TYPE.

WEATHER RESISTANT RECEPTACLE REQUIREMENTS

ALL NON-LOCKING, 15 AND 20 AMP, 125 OR
250 VOLT RECEPTACLES INSTALLED
OUTDOORS SHALL BE OF A LISTED
WEATHER RESISTANT TYPE.

SWITCHES TO BE GROUNDED

ALL NEW SWITCHES, DIMMERS, AND SIMILAR CONTROL SWITCHES MUST BE GROUNDED.

GROUND WIRES REQUIRED IN ALL RACEWAYS

**THE CITY OF LINCOLN'S ELECTRICAL CODE
NOW MANDATES THE INSTALLATION OF A
SEPARATE CONDUCTOR WITHIN EACH
RACEWAY FOR THE PURPOSES OF
EQUIPMENT GROUNDING.**

TEMPORARY POWER

ALL RECEPTACLES INSTALLED TO PROVIDE TEMPORARY POWER MUST BE PROTECTED BY A GROUND FAULT CIRCUIT INTERRUPTER, UNLESS YOUR COMPANY HAS AN APPROVED ASSURED EQUIPMENT GROUNDING PROGRAM AS DESCRIBED IN SECTION 590.6(B)(2) OF THE 2008 NEC.

EXPANSION FITTINGS FOR SERVICE ENTRANCES

ALL NON METALLIC CONDUITS FOR UNDERGROUND SERVICES OR FEEDERS, WHETHER USED AS A SLEEVE FOR PROTECTION OR INSTALLED AS A COMPLETE RACEWAY, SHALL INCORPORATE AN EXPANSION FITTING TO PREVENT DAMAGE TO THE SERVICE EQUIPMENT.

GARBAGE DISPOSAL AND DISHWASHER WIRING

**GARBAGE DISPOSAL AND DISWASHER
WIRING CAN NOW, AT THE OPTION OF THE
CONTRACTOR OR INSTALLER, BE WIRED
WITH A CORD AND PLUG CONFIGURATION
AS DESCRIBED IN SECTION 422.16 OF THE
2008 NEC.**

IN USE WEATHERPROOF COVERS FOR RECEPTACLES

**ALL RECEPTACLES INSTALLED IN A WET
LOCATION AS DEFINED BY THE ELECTRICAL
CODE SHALL INCORPORATE AN IN USE
COVER THAT KEEPS THE RECEPTACLE DRY
WHETHER OR NOT A CORD IS PLUGGED
INTO IT.**

BATHROOM CIRCUITRY

WIRING FOR THE RECEPTACLES, LIGHTS, SWITCHES, AND FANS IN A BATHROOM MUST CONFORM TO SECTION 210.11(C)3 OF THE 2008 NEC. UNDER THIS CODE A 15 AMP RATED CIRCUIT CAN NO LONGER BE USED TO FEED BATHROOM RECEPTACLES.

ARC FAULT CIRCUIT INTERRUPTERS

ARC FAULT CIRCUIT INTERRUPTERS OR AFCI'S ARE DEVICES INTENDED TO STOP ELECTRICAL FIRES BEFORE THEY CAN START.

ARC FAULT CIRCUIT INTERRUPTERS

ARC FAULT CIRCUIT INTERRUPTERS (AFCI'S) ARE NOW REQUIRED ON ALL CIRCUITS THAT FEED POWER TO BEDROOMS IN A HOUSE.

ARC FAULT CIRCUIT INTERRUPTERS

THEY STOP FIRES BEFORE THEY CAN START BY DETECTING POTENTIALLY HARMFUL LOW LEVEL ARCING HAPPENING WITHIN THE PROTECTED ELECTRICAL CIRCUIT, AND SHUTTING OFF THE POWER TO THAT CIRCUIT BEFORE A FIRE COULD EVEN START.

ARC FAULT CIRCUIT INTERRUPTERS

AFCI'S ARE THE FIRST TRUE ADVANCEMENT
IN OVERCURRENT TECHNOLOGY SINCE THE
1920'S

ARC FAULT CIRCUIT INTERRUPTERS

THESE BREAKERS ARE AVAILABLE TO ANYONE WHO WISHES TO PURCHASE THEM. EVEN THOUGH THE CODE ONLY MANDATES THESE IN NEW CONSTRUCTION, THEY ALSO CAN BE USED FOR THE PROTECTION OF CIRCUITS IN AN OLDER EXISTING HOME.

ARC FAULT CIRCUIT INTERRUPTERS

IF USED IN AN OLDER HOME THEY MAY
DETECT PROBLEMS WITH EXISTING WIRING
THAT MAY NOT HAVE OTHERWISE BEEN
FOUND UNTIL AFTER A FIRE HAD BROUGHT
IT TO OUR ATTENTION.

ARC FAULT CIRCUIT INTERRUPTERS

THERE ARE SOME WHO BELIEVE THAT THIS
DEVICE IS TOO EXPENSIVE TO MANDATE
FOR NEW CONSTRUCTION.

ARC FAULT CIRCUIT INTERRUPTERS

HOW MUCH IS THE SAFETY OF YOUR HOUSE
AND FAMILY WORTH TO YOU?