First published in 1897, the National Electrical Code has been adopted in all 50 states as the standard for safe electrical installation, inspection, and installation to protect people and property from avoidable electrical hazards.

There have been 15 code revisions since 1974, the year the average American home was built.

The National Electrical Code (NEC) is updated every 3 years to include the latest in proven safety technology.

The NEC creates a universal electrical safety standard. Allowing all new and renovated construction built to code to be safe from electrical hazards.

The NEC applies to new construction and renovations. The code is only in effect after it is adopted by the state or local jurisdiction.

Is your home up to code? Contact a qualified electrician to ensure your home is safe and up to code.

MAY IS NATIONAL ELECTRICAL SAFETY MONTH
Ground Fault Circuit Interrupters have saved thousands of lives since their introduction to the National Electrical Code in the 1970s. Make sure your home is properly protected against ground faults with the correct installation of GFCIs. The Consumer Product Safety Commission estimates that 50% of home electrocutions have been prevented by the introduction of GFCIs.

GFCI Protection is required for outlets installed in:
- Bathrooms
- Garages
- Outdoors
- Balconies, Decks, and Porches
- Kitchen Countertops
- Within 6 ft of a Sink
- Laundry Areas
- Within 6 ft of a Bathtub or Shower

How to Test a GFCI

1. Push the **RESET** button
2. Plug in a nightlight or similar device
3. The nightlight should be **ON**.
4. Press the **TEST** button.
5. The nightlight should turn **OFF**.
6. Push the **RESET** button again.
7. The nightlight should turn back **ON**.
8. If the device does not turn on, contact a qualified electrician to inspect the outlet.

MAY IS NATIONAL ELECTRICAL SAFETY MONTH
TAMPER RESISTANT RECEPTACLES

Childproofing Done Right

A study by Temple University found that 100% of all 2-4 year olds were able to remove one type of plastic outlet cap within 10 seconds. Properly childproof your outlets by installing Tamper Resistant Receptacles.

HOW TO PROPERLY CHILDPROOF YOUR HOME

- Tamper Resistant Receptacles offer a permanent solution to outlet covers.
- Built in shutters prevent foreign objects from being inserted into the outlet.
- Required by the National Electrical Code since 2008.

WHERE TO INSTALL

All 15A - 20A, 125v and 150v outlets in the following areas must be tamper resistant:

- Hallways
- Living Room
- Bedroom
- Dining Room
- Outdoors
- Kitchen
- Laundry
- Bathroom
- Family Room
- Garage

EXCEPTIONS

- Outlets located more than 5½ ft above the floor.
- Outlets that are part of a luminaire.
- Outlets dedicated to appliances that cannot be easily moved.

NEW IN 2017

Tamper Resistant Receptacles are required in new and renovated:

- Childcare facilities.
- Preschools and elementary education facilities.
- Gyms, skating rinks, auditoriums, and places of waiting.
- Offices, corridors, waiting rooms, and similar rooms in clinic, medical and dental offices, and outpatient facilities.

MAY IS NATIONAL ELECTRICAL SAFETY MONTH

www.facebook.com/ESFI.org www.twitter.com/ESFIdotorg www.youtube.com/ESFIdotorg
Docks and boats carry sources of electricity. Faulty wiring or the use of damaged electrical cords and other devices can cause the surrounding water to become energized. NEVER swim near a marina or near a boat while it’s running.

There is no visible warning to electrified water.

Electric current in the water causes the paralysis of muscles which results in drowning.

The 2017 NEC now requires marinas and boatyards to have ground-fault protection to help prevent water electrification. Check to see if your marina, and the boats in the marina, have proper GFCI protection.

As little as 10 milliamps, 1/50th the amount used by a 60 watt light bulb, can cause paralysis and drowning.

What to do if you see Electric Shock Drowning taking place:

Turn power off

Throw a life ring

Call 911

NEVER enter the water

You could become a victim too.

WARNING – POTENTIAL SHOCK HAZARD: ELECTRICAL CURRENTS MAY BE PRESENT IN THE WATER

The 2017 National Electrical Code requires marinas and boat docks to post electric shock warning signs where electricity is used near water.

MAY IS NATIONAL ELECTRICAL SAFETY MONTH

www.facebook.com/ESFI.org  www.twitter.com/ESFIdotorg  www.youtube.com/ESFIdotorg
SURGE PROTECTION
Keeping your Electronics and Home Safe

The National Electrical Manufacturers Association estimates that 60-80\% of surges originate from internal sources (within a home or business). Keep your valuable electronics safe by protecting them from the surges that can damage or destroy them.

What is a power surge? A power surge is a sudden and unwanted increase in voltage that can damage, degrade or destroy electronic equipment. Surges can occur when large appliances, such as air conditioners, turn on and off. Surges can also originate from electric utilities or lightning.

LEVELS OF PROTECTION

**GOOD**
Point-of-Use Surge Protection

- Easy to use - just plug in.
- Only protects electronics plugged into the device.
- Must be replaced over time or after a major surge event.

**BEST**
Whole Home Surge Protection

- Must be installed by a qualified electrician.
- Provides protection for your entire electrical system at home including large appliances, outlets, and light switches.
- Protects against larger surges and provides longer lasting surge protection than point-of-use devices.

No surge protection can handle a direct lightning strike. Disconnect sensitive electronics if you suspect a surge is coming.

Power strips and surge protectors are not the same. Not all power strips offer surge protection.