AGENDA ITEM #2E
January 12, 2010
Action

MEMORANDUM

December 21, 2009

TO: County Council

FROM: Charles H. Sherer, Legislative Analyst

SUBJECT: Executive Regulation 15-09 National Electrical Code

In a memorandum dated December 16, 2009, the County Executive sent to the County Council Executive Regulation 15-09 National Electrical Code. This Regulation adopts the 2008 National Electrical Code with local amendments. This is a method 2 regulation under §2A-15 of the County Code, which means that the regulation takes effect if the Council does not approve or disapprove it within 60 days after the Council receives it. The Council received it on December 17, 2009.

The attached resolution approves the regulation. OMB and the Department of Permitting Services agree that there is no cost to the County of approving it. Correspondence to DPS and public hearing testimony at DPS's public hearing support the regulation.

Mr. Knapp believes that the PHED Committee does not need to review this regulation and recommends the Council approve it.

EXEC REG

CHS
CC
SBF
LL
JG

053162

OFFICE OF THE COUNTY EXECUTIVE
ROCKVILLE, MARYLAND 20850

Isiah Leggett
County Executive

RECEIVED
MONTGOMERY COUNTY
COUNCIL
2009 DEC 17 PM 1:41

MEMORANDUM

December 16, 2009

Method 2

TO: Nancy Floreen, President
Montgomery County Council

FROM: Isiah Leggett, County Executive
Department of Permitting Services

SUBJECT: Executive Regulation 15-09
Adoption of the 2008 National Electrical Code

The purpose of this memorandum is to transmit Executive Regulation 15-09, Adoption of the 2008 National Electrical Code, for review and consideration by the County Council. Executive Regulation 15-09 adopts the 2008 edition of the National Electrical Code with local amendments. The 2008 National Electrical Code was issued by the National Fire Protection Association Standards Council on July 26, 2007. This regulation applies to all electrical equipment, installations and activities with the County and would supersede Executive Regulation 25-04. A brief summary of the proposed local amendments is attached.

The proposed regulation was advertised in the August 2009 issue of the Montgomery County Register with a comment deadline of September 30, 2009. The comments that were received are attached. A public hearing was on September 16, 2009. Two people presented testimony: Mr. Peter Bowers representing the Independent Electrical Contractors-Chesapeake and Mr. Joe Dabbs representing Local 26 of the International Brotherhood of Electrical Workers. Both testimonies were in support of the proposed regulation. The Fiscal Impact Statement is also attached.

If there are any questions please call Hadi Mansouri, Division Chief on 240-777-6233.

Attachments

(1)

Resolution No: _____
Introduced: _____
Adopted: _____

COUNTY COUNCIL
FOR MONTGOMERY COUNTY, MARYLAND

By: County Council

Subject: Executive Regulation 15-09 National Electrical Code

Background

1. In a memorandum dated December 16, 2009, the County Executive sent to the County Council Executive Regulation 15-09 National Electrical Code. This Regulation adopts the 2008 National Electrical Code with local amendments.

2. The Council reviewed the regulation under method (2) of § 2A-15 of the County Code.

3. Under method (2), the regulation takes effect if the Council does not approve or disapprove it within 60 days after the Council receives it, unless the Council extends time. The Council received it on December 17, 2009.

Action

The County Council for Montgomery County, Maryland approves Executive Regulation 15-09.

This is a correct copy of Council action.

_____
Linda M. Lauer, Clerk of the Council

(2)

MONTGOMERY COUNTY EXECUTIVE REGULATION

Offices of the County Executive. 101 Monroe Street. Rockville, Maryland 20850

Subject: Adoption of the 2008 National Electrical Code	**Number: 15-09**
Originating Department: Department of Permitting Services	**Effective Date:**

Montgomery County Regulation on:

ADOPTION OF THE 2008 NATIONAL ELECTRICAL CODE

DEPARTMENT OF PERMITTING SERVICES

Issued by County Executive
Regulation #15-09

Authority: Code Section 17-2 and 17-3
Supersedes: Executive Regulation No. 25-04
Council Review: Method 2 under Code Section 2A- 15
Register Vol. 26, Issue 8

Comment Deadline: January 15, 2010
Effective date:
Sunset date: None

SUMMARY:
This regulation adopts the National Electrical Code, 2008 Edition, with local amendments. This regulation applies to all electrical equipment, installations and activities within the County.

ADDRESSES: Department of Permitting Services
255 Rockville Pike, Second Floor
Rockville, Maryland 20850

STAFF CONTACT: Phil Waclawski
(240) 777-6228

BACKGROUND:

This regulation supersedes Executive Regulation #25-04 which adopted the 2002 edition of the National Electrical Code. This regulation adopts the 2008 edition of the National Electrical Code which is used nationwide. The 2008 National Electrical Code was adopted by the National Fire Protection Association at its annual meeting held July 27, 2007, in Boston MA.

MONTGOMERY COUNTY EXECUTIVE REGULATION

Offices of the County Executive. 101 Monroe Street. Rockville, Maryland 20850

Subject: Adoption of the 2008 National Electrical Code	**Number: 15-09**
Originating Department: Department of Permitting Services	**Effective Date:**

Section 1.
In accordance with procedures authorized in Chapter 17, Sections 17-2 and 17-3, "Electricity," Montgomery County Code, 1994, as amended (the code), the following executive regulations apply to all electrical equipment, installations, and activities within Montgomery County.

Section 2.
Unless otherwise noted, all references to the National Electrical Code (hereafter referred to as NEC) contained in this regulation are to The National Electrical Code (NFPA No. 70-[2002]2008) by the National Fire Protection Association at its annual meeting held [May 13-17, 2001, in Anaheim, CA] July 27, 2007, in Boston MA. This regulation supersedes all previously promulgated references to the NEC.

Section 3.
The [2002] 2008 NEC is adopted as the Electrical Code of Montgomery County, and all electrical Installations and equipment must meet the standards and requirements set forth in that code or in this regulation. The [2002] 2008 NEC is incorporated by reference as if that code were fully set forth with the following additions, deletions, and amendments.

Whenever the provisions of this regulation and those of the NEC are in conflict, the provisions of this regulation will govern and be enforced in the County. The Director is solely responsible for the interpretation of these regulations as amended.

Section 4.
ARTICLE 100 DEFINITIONS
Add the following definition after the definition of "Appliance," as provided in Article 100:
Appliance, Fixed: An appliance which is fastened or otherwise secured at a specific location.

Amend the definition of "Building" as follows:
Building: A structure which stands alone or which is separated from adjoining structures by fire walls conforming to the definition and requirements of ICC International Building Code for fire walls.

Section 5.
Section 210.5. [Add new subsection (C) as follows] (C) add the following to article:
210.5 (C). Ungrounded Conductor. Where installed in raceways, as open work or as concealed knob-and-tube work. Ungrounded conductors must be identified by a color other than as specified in (A) or (B) above. All

(4)

MONTGOMERY COUNTY EXECUTIVE REGULATION

Offices of the County Executive. 101 Monroe Street. Rockville, Maryland 20850

Subject: Adoption of the 2008 National Electrical Code	**Number: 15-09**
Originating Department: Department of Permitting Services	**Effective Date:**

ungrounded conductors of the same color must be connected to the same ungrounded feeder conductor, and the conductors for systems of different voltages must be of different colors.

Exception. As permitted in Section 200.7.

For basic single- and three-phase wiring systems of 120/208/240 volts: 3-wire circuits must use1 black, 1 white, and 1 red wire; 4-wire circuits must use 1 black, 1 white, 1 red, and 1 blue wire. For basic single- and three-phase wiring systems of 277/480 volts, the colors gray, brown, orange, and yellow must be used in accordance with commonly accepted trade practices.

Section [7].6
Section 210.11. Add the following sentence:
Each fixed appliance must be served by an individual branch circuit except for electric baseboard heaters, appurtenant equipment to furnaces, such as humidifiers and electronic air cleaners, and other equipment having motors rated 1/4 hp or less.

Section [6].7
Section 210.19(A) (3), Exception No 2. Delete and substitute the following:
Section 210.19(A) (3), Exception No. 2. Each wall-mounted oven and each counter-mounted cooking unit must be served by an individual circuit of copper wire. The conductors size is based on 100 percent of the nameplate rating of the unit, but cannot be smaller than size No. 10.

Section 8.
Section 210.52 (A). Add the following New subsection:
(4) General lighting branch circuits in dwellings must not have more than 12 power-consuming outlets. A duplex receptacle is considered to be one outlet. Smoke detectors are not considered power-consuming devices for counting purposes.

Section 210.52(B). Add the following paragraph:
A general appliance branch circuit in a dwelling must not have more than eight receptacle outlets. A duplex receptacle is considered to be one outlet.

Section 210.52(E). Add the following sentence:
When an addition is made to an existing dwelling which has no outside ground-fault circuit-interrupter (GFCI) receptacle, a GFCI protected receptacle, accessible at grade level, must be installed on the outside of the new addition.

Section 9.
Section 230.70(A)(1). Add the following:
In new buildings, excluding one and two family dwellings, a shunt trip to disconnect the electrical service to the building shall be provided as follows:

MONTGOMERY COUNTY EXECUTIVE REGULATION

Offices of the County Executive. 101 Monroe Street. Rockville, Maryland 20850

Subject: Adoption of the 2008 National Electrical Code	**Number: 15-09**
Originating Department: Department of Permitting Services	**Effective Date:**

(a) In the Fire Command Center, where a Fire Command Center is in the building.
(b) At the fire alarm annuciator, where there is no Fire Command Center.
(c) In an appropriately sized and weatherproof fire department access box on the address side of the building, where there is no fire alarm annuciator or Fire Command Center.

In existing buildings, excluding one and two family dwellings, where there are significant upgrades to the building electrical service, such as modifying or replacing the switchgear, a disconnecting means shall be provided as for new installations.

[**Section 10.**]
Subsection 230.79 (C). Substitute "150 amperes" for "100 amperes" as the minimum service disconnecting means rating for one-family dwellings.

Section [10] 11
Section 250.50. Add the following text as the first and second sentence to Section 250.50:
All new structures, both residential and commercial, require a concrete encased electrode to be used as the principle grounding element. The concrete encased electrode shall be installed in accordance with 250.52 (A) (3) and the reinforcing rods and or copper conductors utilized in the installation require a minimum of 0.61mm (2 feet) of accessible length after installation.

Section [11] 12.
Section 310.5. Delete the first sentence and substitute with the following:
Section 310.5: The minimum size of conductors must be as shown in Table 310.5, except that the minimum size of aluminum and copper-clad aluminum conductors must be No. 2, The use of aluminum conductors is limited to service entrance and feeder applications only.

Note: No exceptions to sizes of wire as enumerated here or elsewhere in the code will be allowed in the case of aluminum conductors.

Section [12] 13.
Section 410.16(C). Delete and substitute the following:
410.16(C). Suspended Ceilings. All fixtures installed in suspended ceilings must be supported from the building structure directly. If wire is used for this purpose, no less than 2 separate wires of size No. 12 (or larger) steel must be used. These wires must extend from opposite corners of the fixture with each wire independently attached to the building structure.

MONTGOMERY COUNTY EXECUTIVE REGULATION

Offices of the County Executive. 101 Monroe Street. Rockville, Maryland 20850

Subject: Adoption of the 2008 National Electrical Code	**Number: 15-09**
Originating Department: Department of Permitting Services	**Effective Date:**

Section 15.
Section 700.18. Add two new paragraphs as follows:
700. [19]. Any building in which standpipes are installed must have one 30-ampere, 120-volt circuit installed for each standpipe riser, supplied from the emergency panel. The wiring method for exposed work must be galvanized, threaded metal conduit. Boxes must be metal, weatherproof types with gasketed flap-door covers and threaded hubs. The wiring method for concealed work must be metal conduit with appropriate galvanized boxes having gasketed flap-door covers suitable for fire department use. The weatherproof cover must be suitable for receiving the L5-20R NEMA type twist-lock receptacle without damage (e.g., Bell # 128-226 cover or equivalent).

Supply wiring must be at least 75 degrees C-type wire. One single 20-ampere three-wire twistlock receptacle (NEMA L5-20R) must be installed at least as high as, and with a 2-feet offset from EACH HOSE VALVE CONNECTION. Each outlet box must be painted "fire-alarm red" in color and be marked "Only for Fire Department Use."

Note: This Section supersedes the requirements of Table 210.21(B) (2).

Isiah Leggett, County Executive — 12/16/09 Date

Approved as to form and legality
Montgomery County, Md. County Attorney's Office
By

OFFICE OF MANAGEMENT AND BUDGET

Isiah Leggett
County Executive

MEMORANDUM

Joseph F. Beach
Director

September 22, 2009

TO: Joseph F. Beach, Director
Office of Management and Budget

VIA: Angela Dizelos, Management and Budget Manager

FROM: Amy Wilson, Management and Budget Specialist

SUBJECT: Executive Regulation 15-09, 2008 National Electrical Code

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REGULATION SUMMARY

The regulation amends Executive Regulation #25-04 of the Montgomery County Code section 17-2 and 17-3 Electrical Code.

The proposed amendments and adoption of the 2008 National Electrical Code will bring Montgomery County into conformance with the required State Code that took effect January 1, 2008. The changes to Executive Regulation # 25 – 04 update the County's Electrical Code to the 2008 Edition of the National Electrical Code (NEC). Also the local amendments correct errors identified in the 2008 NEC. The changes provide provisions for life safety for the electrical industry and County Inspectors inspecting electrical installations.

Staff from the Department of Permitting Services met with representatives of the International Association of Electrical Inspectors, Maryland Electrical Inspectors Association, local electrical contractors and other neighboring jurisdictions to review proposed code changes. The industry representatives are in support of the code changes and our neighboring jurisdictions are currently enforcing the 2008 National Electrical Code.

FISCAL SUMMARY

This regulation updates existing specifications and requirements and does not require additional resources. Therefore, there is no fiscal impact on the County.

Phil Waclawski of the Department of Permitting Services contributed to and concurs with this analysis.

jb:agw

c: Kathleen Boucher, Assistant Chief Administrative Officer
Carla Reid, Director, Department of Permitting Services
John Cuff, Office of Management and Budget
Amy Wilson, Office of Management and Budget

(8)

OMB REVIEW

✓ Fiscal Impact Statement approved Joseph J Bruck
OMB Director

_____ Fiscal Impact Statement not approved, OMB will contact department to remedy.

Explanation of Local Amendments

Section 4.
ARTICLE 100 DEFINITIONS
Add the following definition after the definition of "Appliance," as provided in Article 100:
Appliance, Fixed: An appliance which is fastened or otherwise secured at a specific location.

Amend the definition of "Building" as follows:
Building: A structure which stands alone or which is separated from adjoining structures by fire walls conforming to the definition and requirements of ICC International Building Code for fire walls.

Section 4 is needed in order to link definitions in the IBC to the NEC. This is especially important in the safe installation of multiple services, for example in a strip mall.

Section 5.
Section 210.5(c) add the following to article:
210.5 (C). Ungrounded Conductor. Where installed in raceways, as open work or as concealed knob-and-tube work. Ungrounded conductors must be identified by a color other than as specified in (A) or (B) above. All ungrounded conductors of the same color must be connected to the same ungrounded feeder conductor, and the conductors for systems of different voltages must be of different colors.

Exception. As permitted in Section 200.7.

For basic single- and three-phase wiring systems of 120/208/240 volts: 3-wire circuits must use1 black, 1 white, and 1 red wire; 4-wire circuits must use 1 black, 1 white, 1 red, and 1 blue wire. For basic single- and three-phase wiring systems of 277/480 volts, the colors gray, brown, orange, and yellow must be used in accordance with commonly accepted trade practices.

Section 5 is critical for safe and efficient installation and troubleshooting of electrical systems. Without a color standard for wiring, electricians would be faced with the time consuming task of identifying phases and lines all the time. Moreover, lack of a wiring color standard greatly increases the danger of explosion from connecting phases to each other.

Section 6.
Section 210.11. Add the following sentence:
Each fixed appliance must be served by an individual branch circuit except for electric baseboard heaters, appurtenant equipment to furnaces, such as humidifiers and electronic air cleaners, and other equipment having motors rated 1/4 hp or less.

Section 6 is to prevent overloading fixed appliance circuits and to allow disconnecting appliances for servicing without affecting the operation of other appliances and equipment.

Section 7.
Section 210.19(A) (3), Exception No 2. Delete and substitute the following:
Section 210.19(A) (3), Exception No. 2. Each wall-mounted oven and each counter-mounted cooking unit must be served by an individual circuit of copper wire. The conductor size is based on 100 percent of the nameplate rating of the unit, but cannot be smaller than size No. 10.

Section 7 prevents dangerous overloading of the oven circuit if a new, larger oven is installed. Because it expands and contracts less, copper has a better safety record. Due to its physical property of expanding and contracting more than copper under the same conditions, aluminum has a record of heating connections, charring insulation near connections, and sometimes coming loose enough to arc and cause fires. Also see Section 14 in regard to copper vs. aluminum.

Section 8.
Section 210.52 (A). Add the following New subsection:
(4) General lighting branch circuits in dwellings must not have more than 12 power-consuming outlets. A duplex receptacle is considered to be one outlet. Smoke detectors are not considered power-consuming devices for counting purposes.

Section 210.52(B). Add the following paragraph:
A general appliance branch circuit in a dwelling must not have more than eight receptacle outlets. A duplex receptacle is considered to be one outlet.

Section 210.52(E). Add the following sentence:
When an addition is made to an existing dwelling which has no outside ground-fault circuit-interrupter (GFCI) receptacle, a GFCI protected receptacle, accessible at grade level, must be installed on the outside of the new addition.

Section 8 addresses prevention of overloading lighting and receptacle circuits. The intent of 210.52 (E) Outdoor Outlets is to prevent electrocutions from the use of electrical equipment outdoors without gfci protection. But in regard to an addition, there is a "gap in the armor" which this amendment covers.

Section 9.
Section 230.70(A)(1). Add the following:
In new buildings, excluding one and two family dwellings, a shunt trip to disconnect the electrical service to the building shall be provided a follows:

(a) In the Fire Command Center, where a Fire Command Center is in the building.
(b) At the fire alarm annunciator, where there is no :Fire Command Center.
(c) In an appropriately sized and weatherproof fire department access box on the address side of the building, where there is no fire alarm annunciator or Fire Command Center.

In existing buildings, excluding one and two family dwellings, where there are significant upgrades to the building electrical service, such as modifying or replacing the switchgear, a disconnecting means shall be provided as for new installations.

Section 9 is a new amendment added to match the NEC with the requirements of Section **11.1.7 Building Disconnect Access** of NFPA 1 Uniform Fire Code Handbook in accordance with safe firefighting practices prescribed by the Fire Marshall's Office. A firefighter's life should not be placed in jeopardy traveling down from grade several levels and then into the center of the bottom level in order to de-energize so the fire can be safely fought.

Section 10.
Subsection 230.79 (C). Substitute "150 amperes" for "100 amperes" as the minimum service disconnecting means rating for one-family dwellings.

Given the significant increase in electrical consumption in the typical American home, Section 10 addresses the common problem of 100 ampere services becoming overloaded.

Section 11.
Section 250.50. Add the following text as the first and second sentence to Section 250.50:
All new structures, both residential and commercial, require a concrete encased electrode to be used as the principle grounding element. The concrete encased electrode shall be installed in accordance with 250.52 (A) (3) and the reinforcing rods and or copper conductors utilized in the installation require a minimum of 0.61mm (2 feet) of accessible length after installation.

A concrete encased electrode has been found to be most reliable form of grounding electrode and must be used as the principle grounding element.

Section 12.
Section 310.5. Delete the first sentence and substitute with the following:
Section 310.5: The minimum size of conductors must be as shown in Table 310.5, except that the minimum size of aluminum and copper-clad aluminum conductors must be No. 2, The use of aluminum conductors is limited to service entrance and feeder applications only.

Note: No exceptions to sizes of wire as enumerated here or elsewhere in the code will be allowed in the case of aluminum conductors.

Section 12's prohibition of aluminum is included for the same reasons given for Section 14 and Section 7:

- *When compared to aluminum, copper has a significant (1.6 times) ampacity advantage, is easier to install, and is resistant to corrosion.*
- Because it expands and contracts less, copper has a better safety record. Due to its physical property of expanding and contracting more than copper under the same conditions, aluminum has a record of heating connections, charring insulation near connections, and sometimes coming loose enough to arc and cause fires.

Section 13.
Section 410.16(C). Delete and substitute the following:
410.16(C). Suspended Ceilings. All fixtures installed in suspended ceilings must be supported from the building structure directly. If wire is used for this purpose, no less than 2 separate wires of size No. 12 (or larger) steel must be used. These wires must extend from opposite corners of the fixture with each wire independently attached to the building structure.

Exception: If the fixture is circular, and not more than 24 inches in diameter, at least one wire of No. 12 steel or larger must be used to support the fixture.

Section 13 prevents light fixtures from striking firefighters when they must pull down a drip ceiling in order to get at a fire in the ceiling.

Section 14.
Section 440.62(C). Delete and substitute the following:
440.62(C). Each individual room air-conditioning unit, regardless of its current rating, must the served by an individual circuit of not less than No. 12 copper wire, and must terminate in a single receptacle.

Section 14 prevents overloading of the air-conditioning circuit as Phil explains below. Also, because it expands and contracts less, copper has a better safety record. Due to its physical property of expanding and contracting more than copper under the same conditions, aluminum has a record of heating connections, charring insulation near connections, and sometimes coming loose enough to arc and cause fires.

Section 15.
Section 700.18. Add two new paragraphs as follows:
700.~~18~~[19]. Any building in which standpipes are installed must have one 30-ampere, 120-volt circuit installed for each standpipe riser, supplied from the emergency panel. The wiring method for exposed work must be galvanized, threaded metal conduit. Boxes must be metal, weatherproof types with gasketed flap-door covers and threaded hubs. The wiring method for concealed work must be metal conduit with appropriate galvanized boxes having gasketed flap-door covers suitable for fire department use. The weatherproof cover must be suitable for receiving the L5-20R NEMA type twist-lock receptacle without damage (e.g., Bell # 128-226 cover or equivalent).

Supply wiring must be at least 75 degrees C-type wire. One single 20-ampere three-wire twistlock receptacle (NEMA L5-20R) must be installed at least as high as, and with a 2-feet offset from EACH HOSE VALVE CONNECTION. Each outlet box must be painted "fire-alarm red" in color and be marked "Only for Fire Department Use."

Note: This Section supersedes the requirements of Table 210.21(B) (2).

Section 15 is needed by the Fire Department in order to have a **reliable** circuit to connect communications equipment, smoke clearing fans, and other necessary fire fighting electrical equipment.

Independent Electrical Contractors • CHESAPEAKE
Phone: 301-621-9545 Fax: 301-912-1665
Phone: 800-470-3013 www.iec-chesapeake.com

I.E.C. • CHESAPEAKE

September 25, 2009

Mr. Phil Waclawski
Permitting Services Manager
Department of Permitting Services
Montgomery County Maryland
255 Rockville Pike, 2nd Floor
Rockville, MD 20850

Dear Mr. Waclawski:

IEC is a national trade association representing over 3,000 member companies and more than 85,000 electrical workers across the country. We have over 60 chapters located throughout the United States. IEC serves as the voice of the industry on policies affecting our membership and attempts to further our economy through skilled manpower and the principle of free enterprise.

A primary concern of IEC members is the health and safety of Montgomery County Residents, IEC contractors, their employees and businesses. For that reason, IEC is an active participant in the development of the **National Electrical Code®** (NEC), the **National Electrical Safety Code®** (NESC) and more than 50 other American National Standards Institute (ANSI) consensus standards for the electrical industry.

IEC has a voluntary and cooperative Alliance with the Occupational Safety and Health Administration (OSHA). IEC also works closely with the U.S. Department of Labor (DOL) and Maryland State Apprenticeship Council. IEC is committed to the development and maintenance of a safe, efficient, and productive workforce. That commitment to safety can be seen through IEC's active participation with OSHA, the ANSI A-10 Committee, and by IEC's participation as a member of DOL's Advisory Committee on Apprenticeship.

Based on the above, it is understandable that the IEC National Codes and Standards Committee supports complete adoption of the most recent version of the National Electrical Code®. Development of the NEC® is open to all interested parties. IEC participates on all 20 code making panels. We believe the code making process works best when issues are debated and approved at NEC® meetings, where the opposing views are represented and debated until consensus is achieved. Often those that do not agree with the decisions reached by the NEC® during the code development process, propose their changes to local jurisdictions.

(14)

We believe the electrical industry and the customers we serve are safest when all jurisdictions adopt and support the latest version of the NEC®. There is less confusion and errors because there is less to remember.

Respectfully,

Grant Shmelzer
Executive Director

Holt Electrical Contractors,Inc.

7620 G. Rickenbacker Dr.
Gaithersburg, Maryland 20879
Phone 301 840 0797 Fax. 301 926 5940

September 24, 2009

Phil Waclawski, CBO
Permitting Services Manager
Department of Permitting Services
Montgomery County Maryland
255 Rockville Pike, 2nd Floor
Rockville, MD 20850-4166

Dear Mr. Waclawski,

On behalf of the Independent Electrical Contractors Chesapeake and Holt Electrical Contractors, Inc a Montgomery County based firm, I would like to express our organization's strong support for the adoption of the 2008 National Electrical Code (NEC)®.

The 3,000 member companies that belong to IEC's national organization firmly believe that performing safe, quality work is their obligation as contractors. As such, IEC members are active participants in the development of NEC®, and our contractor members fully support the adoption of the 2008 NEC by Montgomery County, MD.

It is worth noting that the 2008 NEC contains an expanded requirement for arc fault circuit interrupters, which are designed to prevent home electrical fires. The expansion of the NEC was made known as part of the public code-making process, including publication of the full 2008 NEC (with any changes) in September 2007.

Again, Holt Electrical Contractors, Inc encourages the adoption of the 2008 NEC in its entirety.

Thank you for consideration of this matter.

Sincerely,

J. Michael Holt, President

CC:
Grant Shmelzer, Executive Director IEC Chesapeake

(16)

F.B. HARDING, INC.

ELECTRICAL CONTRACTORS

F.B. Harding, Sr.
(1909-2000)

Since 1949
405 East Gude Drive, Suite 212, Rockville, MD 20850 Phone (301) 315-0900 Fax (301) 315-0901

G. Scott Harding
President

F.B. Harding, Jr.
Past President

September 15, 2009

Mike Raffael
Department of Permitting Services
Division of Building Construction
255 Rockville, Maryland 20850-4166

Via email Michael.Raffael@MontgomerycountyMD.gov

Re: Adoption of 2008 NEC

Dear Mr. Raffael,

I am writing this letter to support a decision for Montgomery County to adopt the 2008 edition of the National Electrical Code.

I am a member of Code Making Panel Number Five which is responsible for NEC Articles 200, 250, 280 and 285.

From personal experience, the NEC process is very thorough. The code is updated every three years through the efforts of hundreds of individuals in the interest of life and property protection.

Thank you for your consideration.

Respectfully,

F.B. HARDING, INC.

G. Scott Harding
President/CEO

TRI STAR ELECTRIC INC.

RESIDENTIAL • COMMERCIAL • LICENSED • INSURED
2979 Jessup Road • Jessup, MD 20794
301-384-8880 • 410-799-5791 • Fax: 410-799-0676

September 13, 2009

Mike Raffael
Department of Permitting Services
Division of Building Construction
255 Rockville Md. 20850

2008 NEC:

Mr. Raffael,

My company has electrical work in Montgomery County for over 18 years and we have become accustom to your county leading the way for other counties. I am writing to let it be known that I am in full support of your county adopting the new 2008 NEC codes. We are already operating under these new codes in a few other jurisdictions and we have seen that the new codes make sense with respect to personal and electrical safety standards. My business partner and I are both Master Electricians in over a dozen counties which requires us to attend various continuing educational courses. We think that your implementation of the new code could only result in a positive manner in the electrical industry for everyone.

Please consider our opinion when voting on this option.

Sincerely,

David J. Crawford (President)

(18)

ALTIMATE ELECTRIC INC.

September 28, 2009

Phil Waclawski, CBO
Permitting Services Manager
Department of Permitting Services
Montgomery County Maryland
255 Rockville Pike, 2nd Floor
Rockville, MD 20850-4166

Re: 2008 National Electrical Code (NEC)

Dear Mr. Waclawski:

On behalf of the Independent Electrical Contractors Chesapeake and Altimate Electric, I would like to express our organization's strong support for the adoption of the 2008 National Electrical Code (NEC).

The 3000 member companies that belong to IEC's national organization firmly believe that performing safe, quality work is their obligation as contractors. As such, IEC members are active participants in the development of NEC, and our contractor members fully support the adoption of the 2008 NEC by Montgomery County, MD.

It is worth noting that the 2008 NEC contains an expanded requirement for arc fault circuit interrupters which are designed to prevent home electrical fires. The expansion of the NEC was made known as part of the public code-making process, including publication of the full 2008 NEC (with any changes) in September 2007.

Again, Altimate Electric encourages the adoption of the 2008 NEC in its entirety.

Thank you for your consideration of this matter.

Sincerely,

Harry G. Holmes, Jr.
President

cc: Grant Shmelzer, Executive Director IEC Chesapeake

1008 Rising Ridge Rd. Mt. Airy, MD 21771 * Phone: 301.607.8003 Fax: 301.607.8006

DIRECT ELECTRIC

Direct Answers to all your Electrical Needs.

September 24, 2009

Phil Waclawski, CBO
Permitting Services Manager
Department of Permitting Services
Montgomery County Maryland
255 Rockville Pike, 2nd Floor
Rockville, MD 20850-4166

Dear Mr. Waclawski,

On behalf of the Independent Electrical Contractors Chesapeake and Direct Electric Services, I would like to express our organization's strong support for the adoption of the 2008 National Electrical Code (NEC)®.

The 3,000 member companies that belong to IEC's national organization firmly believe that performing safe, quality work is their obligation as contractors. As such, IEC members are active participants in the development of NEC®, and our contractor members fully support the adoption of the 2008 NEC by Montgomery County, MD.

It is worth noting that the 2008 NEC contains an expanded requirement for arc fault circuit interrupters, which are designed to prevent home electrical fires. The expansion of the NEC was made known as part of the public code-making process, including publication of the full 2008 NEC (with any changes) in September 2007.

Again, Direct Electric Services encourages the adoption of the 2008 NEC in its entirety.

Thank you for consideration of this matter.

Sincerely,

Direct Electric Services
Arn J. Halpin/Master #ME3334

CC:
Grant Shmelzer, Executive Director IEC Chesapeake

(20)

111-A East Ridgeville Boulevard, Mt. Airy, Maryland 21771 • Phone 301 829 7932 • Fax 301 829 7960
www.direct-elect-md.com

colonial electric co. inc.

September 24, 2009

Phil Waclawski, CBO
Permitting Services Manager
Department of Permitting Services
Montgomery County Maryland
255 Rockville Pike, 2nd Floor
Rockville, MD 20850-4166

Dear Mr. Waclawski,

On behalf of the Independent Electrical Contractors Chesapeake and Colonial Electric Inc, I would like to express our organization's strong support for the adoption of the 2008 National Electrical Code (NEC)®.

The 3,000 member companies that belong to IEC's national organization firmly believe that performing safe, quality work is their obligation as contractors. As such, IEC members are active participants in the development of NEC®, and our contractor members fully support the adoption of the 2008 NEC by Montgomery County, MD.

It is worth noting that the 2008 NEC contains an expanded requirement for arc fault circuit interrupters, which are designed to prevent home electrical fires. The expansion of the NEC was made known as part of the public code-making process, including publication of the full 2008 NEC (with any changes) in September 2007.

Again, Colonial Electric encourages the adoption of the 2008 NEC in its entirety.

Thank you for consideration of this matter.

Sincerely,

Mitchell Swerbilow

Mitchell Swerbilow
CC:
Grant Shmelzer, Executive Director IEC Chesapeake

(21)

MENDOZA, RIBAS, FARINAS & ASSOCIATES
CONSULTING ENGINEERS
6265 Executive Boulevard
Rockville, Maryland 20852
301-468-8882
Fax: 301-770-2567

September 16, 2009

Mr. Phil Waclawski
Manager Commercial Systems
Department of Permitting Services
255 Rockville Pike, 2nd Floor
Rockville, Maryland 20850-4166

Dear Mr. Waclawski,

Just a couple of lines to express our support for the County's adoption of the 2008 National Electrical Code. It is always a pleasure to see our County adopt the latest codes affecting the safety of our fellow county residents.

Sincerely yours,
MENDOZA, RIBAS, FARINAS
AND ASSOCIATES

Pastor Farinas, P.E.

Enclosures
cc: Michael Raffael
PF/pf