

# REVISIONS

(Note: All pages have been renumbered)

## Section 2.0 **DEFINITIONS**

Removed the reference to the State of Ohio in the definition of **COMPANY** and also removed the reference to the State of Ohio throughout the remainder of the document. Allegheny Power no longer has service territory in the State of Ohio.

## Section 4.03 **REQUIREMENTS FOR A RESIDENTIAL STRUCTURE TO BE CONSIDERED A PERMANENT INSTALLATION**

Added the phrase "meeting all applicable local requirements" to the end of the sentence in subsection (a) for both Masonry or Wood Structure ("Stick built" or Modular) Type Home and Mobile or Manufactured Home.

## Section 4.04 **INSTALLATION AND RESPONSIBILITY**

Revised the description of a **qualified electrician** to match the definition in the 2008 National Electrical Code."

## Section 4.04 **INSTALLATION AND RESPONSIBILITY**

Added the term "high harmonic content" to the list in the last sentence of this section. Loads of high harmonic content are deleterious to the quality of service and should be contained in the list along with loads that are highly fluctuating or of low power factor characteristics. *IEEE 519 Recommended Practices and Requirements for Harmonic Control in Electric Power Systems* provides the levels of harmonic content in customer loads.

## Section 4.05 **CUSTOMER ALTERATIONS AND ADDITIONS**

Changed the term "Company-approved" to "Company-recognized" in the last sentence for clarity and to more accurately reflect the status of electrical inspection agencies. Inspection agencies are recognized by Allegheny Power and not approved by Allegheny Power. Certification/qualification for electrical inspectors is done by individual State agencies rather than Allegheny Power.

## Section 4.06 **REQUIREMENTS OF ELECTRICAL INSPECTION**

Changed the term "Company-approved" to "Company-recognized" in the last sentence for clarity and to more accurately reflect the status of electrical inspection agencies. Inspection agencies are recognized by Allegheny Power and not approved by Allegheny Power. Certification/qualification for electrical inspectors is done by individual State agencies rather than Allegheny Power.

## Section 4.08 **BUILDINGS / STRUCTURES NEAR ELECTRIC LINES**

Changed title of section to include buildings and to reference all electric lines- (overhead and underground). Added "buildings" to first sentence. Added sentence - NESC clearances shall be maintained.

## Section 5.03 **SERVICE ENTRANCE**

Revised the fourth paragraph by adding a sentence as follows: Unmetered service entrance cables or service entrance conduits on buildings, poles or structures shall not be concealed or recessed. Current wording does not prohibit service conductors and/or conduits from being concealed or run inside of a building or structure, such as an eave, hollow pole, etc.

## Section 5.07 **MOBILE/MANUFACTURED HOME OVERHEAD SERVICE INSTALLATIONS**

Revised Subsection (e) to clarify the term (HUD 3280) as Part 3280, *Manufactured Home Construction and Safety Standards*, of the Federal Department of Housing and Urban Development.

- Section 5.08 **Recreational Vehicle Service Installations**  
 Added a new Section to describe the National Electrical Code requirements for services for Recreational Vehicles or Recreational Vehicle Parks. The existing Section 5.08 Central Distribution Service Installations (Farm Pole) was renumbered 5.09 and appears after this new Section.
- Section 5.10 **SMALL NON-RESIDENTIAL SERVICE INSTALLATIONS**  
 Added a new Section to describe the National Electrical Code requirements for small non-residential service installations. The existing Section 5.09 Overhead Services in Excess of 600 Volts was renumbered 5.11 and appears at the end of Chapter 5.
- Section 6.02 **SERVICE LATERAL (RESIDENTIAL) – VIRGINIA ONLY**  
 Revised the first sentence as follows: For residential single-phase subdivisions of five or more lots contracted under tariff plan Schedule “E,” Plan “C”, the Company shall provide all necessary facilities for electric service, including excavating and backfill. The revision is for clarity of interpretation.
- Section 7.05 **ELECTRIC WATER HEATERS**  
 Revised the second and third sentence of the second paragraph to include provisions to handle instantaneous water heaters that exceed 5,500 W. The revision is for clarification on handling these new large load devices and for clarity of interpretation.
- Section 8.01 **GENERAL**  
 Revised the third paragraph by adding a sentence as follows: Unmetered service entrance cables or service entrance conduits on buildings, poles or structures shall not be concealed or recessed. Current wording does not prohibit service conductors and/or conduits from being concealed or run inside of a building or structure, such as an eave, hollow pole, etc.
- Section 9.01 **GENERAL**  
 Revised the third paragraph by adding a sentence as follows: Unmetered service entrance cables or service entrance conduits on buildings, poles or structures shall not be concealed or recessed. Current wording does not prohibit service conductors and/or conduits from being concealed or run inside of a building or structure, such as an eave, hollow pole, etc.
- Back Cover **When planning to excavate in the following States, Call:**  
 Added the National “Call Before you Dig Hotline” – 811 to the list”
- Figure 1 **SERVICE DROP CLEARANCE MINIMUMS FOR SERVICES UNDER 600 VOLTS**  
 Item G - conductors over buildings is revised to refer to Sections 4.08 and 5.02.
- Figure 2 **TYPICAL GROUNDING DETAILS**  
 Addition of a new note to reference the intersystem bonding requirement that is contained in the 2008 NEC.
- Figures 6a, b, c **GENERAL OVERHEAD POLE MOUNTED SELF-CONTAINED SERVICE – Single or Three Phase (Excludes Mobile Home and Central Distribution Service)**  
 New figures to show options for pole type service that does not serve a mobile home or an agricultural installation (farm). These service options are currently permitted by the National Electrical Code.
- Figure 7a **POLE MOUNTED SELF CONTAINED METER NOT EXCEEDING 320 AMPS, CUSTOMER CENTRAL DISTRIBUTION SERVICE**  
 Revision old Figure 6 was re-numbered Figure 7a.

- Figure 7b **POLE MOUNTED SELF CONTAINED METER NOT EXCEEDING 320 AMPS, CUSTOMER CENTRAL DISTRIBUTION SERVICE WITH STAND-BY GENERATOR FACILITIES**  
Revision old Figure 7 was re-numbered Figure 7b.
- Figure 4, 5, 6, 7a, 7b, and 11 Revision: The word "MINIMUM" was removed from the description of pole requirements in notes of these six figures.
- Figure 20 **TYPICAL 320 AMP OR LESS UNDERGROUND SERVICE INSTALLATION**  
Revised note indicating that load conductors shall not obstruct service riser conduit opening. The old note stated that line and load conductors were not permitted to cross in the meter socket. This note was removed because it caused misinterpretation of the requirement.
- Figure 20, 21, 28, 29 and 31 **DRAWING REVISION** to the illustrations in the five figures show proper trench depths and backfill requirements of NESC.
- Figure 32 **TYPICAL TRENCHING DETAILS FOR INSTALLATION OF SECONDARY/SERVICE LATERAL AND PRIMARY CONDUIT**  
New figure to show proper trench depths and backfill requirements of the NESC. This figure was created to address the field installation problems of trench depth and conduit sweeps at poles.
- Figure 33 **TYPICAL TRENCHING DETAILS FOR INSTALLATION OF SECONDARY/SERVICE LATERAL AND PRIMARY CONDUIT NOTES**  
New figure to show the notes for proper trench depths and backfill requirements of the NESC. This figure was created to address the field installation problems of trench depth and conduit sweeps at poles.
- Figure 42 **SELF-CONTAINED METER INSTALLATION 480/277 VOLT WYE, 3-PHASE, 4-WIRE**  
Added note **"\*WEST VIRGINIA ONLY: METER SOCKETS FURNISHED BY COMPANY"**.
- Page 67 **APPLICATION FOR NEW RESIDENTIAL ELECTRIC SERVICE**  
Revision to the application for new residential service.
- Page 68 **APPLICATION FOR UPGRADE RESIDENTIAL ELECTRIC SERVICE**  
Addition of an application for upgraded residential service.
- Page 69 **APPLICATION FOR NEW NON-RESIDENTIAL ELECTRIC SERVICE**  
Revision to the application for new non-residential service.
- Page 70 **APPLICATION FOR UPGRADE NON-RESIDENTIAL ELECTRIC SERVICE**  
Addition of an application for upgraded non-residential service.
- Page 71 **MOTOR SPECIFICATIONS**  
Addition of a new form to communicate needed motor parameters as required in Section 7.02.