



City of Austin

Austin's Municipally Owned Electric Utility

St. Elmo Service Center 4411-B Meinardus • Austin, Texas 78744 • (512) 505-7500

January 26, 2011

To: J.B. Meier, City of Austin Planning and Development Review Department

Subject: 2010 Austin Energy Design Criteria Manual.

With the adoption of the 2010 Austin Energy Design Criteria Manual (AEDCM), the use of the 2008 National Electrical Code (NEC) article 240.4(B) has been negated when used on service entrance conductors. Section 1.4.12 of the 2010 AEDCM states:

"Customer-installed service conductors that are ahead of the AE meter must be sized for the full amp rating of the first interrupting device associated with the AE meter (or the sum total of multiple first interrupting devices associated with multiple AE meters)."

When engineers and contractors design services based on NEC 240.4(B), the designs have not been approved for construction by Electrical Plan Review due to the above sentence in AEDCM 1.4.12. Austin Energy's general construction policies have followed NEC 240.4(B) and continue to do so. This issue is most glaring on 400 and 800 ampere services due to Network Construction not having the infrastructure to terminate conductors larger than 500 kcmil.

To remedy this situation until the next revision of the AEDCM is approved and issued, effective immediately, the sentence in section 1.4.12 above will be waived only for services in the Austin Energy Network area of 800 amperes or less. NEC 240.4(B) will take precedence.

Please pass this along to your personnel. Please call me if you have any questions. Thank you.

A handwritten signature in black ink, appearing to read "Allen W. Small".

Allen W. Small
Manager, Distribution Design South
Austin Energy
505-7111

Cc: Greg Troxell
Reagan Moore
Carl Thompson