

# **XCEL ENERGY STANDARD FOR ELECTRIC INSTALLATION AND USE SUMMARY OF SIGNIFICANT CHANGES - 2018**

## **Exception Form**

**Page**

- Updated the WI/MI Electrical Inspection Certificate

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## **Section 2 - General Information**

- No changes made

## **Section 3 - Character of Service Available**

- Section 3.1.1 Two wire services changed to by exception only for MI and WI.

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## **Section 4 - Service Facilities**

- Section 4.1(4) Removed (Except CO) 30
- Section 4.2.1(2)(d) Added clarification of minimum conductor clearances from final grade 30
- Section 4.10.3.3 Clarified requirements for line side conductors for alternate underground temporary services. 41
- Section 4.10.6 Clarified the ampacity ratings for 200 and 320 amp self-contained meter sockets 42
- Section 4.11 - reorganized subsections to make it clear that Heavy Duty Lever Bypass meter blocks are required for all self-contained meter sockets. 44-46
- Section 4.12.2 added requirements that secondary connection cabinets shall not be used for single-phase or temporary services. 48

## **Section 5 - Transformers**

- Fixed typo in Table II (%Z for a 500 kVA transformer from 4.8 to 1.8).

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## **Section 6 - Utilization Equipment**

- Section 6.4.4 Updated information regarding voltage flicker to the IEEE Standards 1453 - 2015

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## **Section 7 - Special Types of Service**

- No changes made

## **Section 8 - Distributed Energy Resource (DER)**

- Added Section 8.4 for telemetry requirements for DER installations

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## **Illustrations Section**

## **Page**

- Added requirement that the point of attachment shall not be below the weatherhead and added more detail to conductor clearance requirements. I-1.17
- Corrected phase designations on 120/240 Delta transformer bank I-1.25
- Corrected phase designations on 120/240 Delta transformer bank I-1.29
- Changed verbiage of line and load side conductors to match table of responsibility I-3.4
- Revised drawing to include note 2, which provides an alternative to direct buried conductors I-4.4
- Revised drawing to include note 3, which provides an alternative to direct buried conductors I-4.6
- Added note 6 to reiterate requirement for removable bus links for all phases and the neutral for all secondary connection cabinets. See Section 4.12.2 for more detail. I-6.20
- Clarified clearance from gas regulator to window I-7.1
- Clarified language for clearance from Electric Distribution equipment I-7.2
- Clarified language for clearances from combustible first floor overhang. I-7.3A
- Removed "in enclosed spaces" I-7.12