

Proposed 2014 Criteria Manual Changes

Section	Identifier	Change
All		Removed Electrical Meter Operation and CT Metering and Inspection and replaced with AE Complex Metering Operations
All		Removed AE Electric Meter and replaced with AE Complex Metering
TABLE OF CONTENTS		
Table of Contents	1.5.1.4 ; 1.5.1.5	Change 216Y/125V to 208Y/120V
Table of Contents	1.15.1-7	Section 1.15.1 to 1.15.7 were deleted from the table of contents
1.2.0 RELEVANT CITY OF AUSTIN BUSINESS OFFICES		
1.2	Table	Removed Electrical Meter Operation and CT Metering and Inspection and replaced with AE Complex Metering Operations
1.3.0 CHARACTERISTICS/BASIC REQUIREMENTS OF ELECTRIC SERVICE		
1.3.12	1.3.12	<p>Replace entire paragraph with "City ordinance requires Austin Energy to collect 100% of the costs for line extensions and new infrastructure associated with requests for new electric service. A Customer applying for new service will be charged all estimated costs for labor and material required to modify existing infrastructure and to extend service from Austin Energy's existing infrastructure to the Customer's point of service to serve the requested load. This includes the service drop and meter. City ordinance provides an exemption for affordable housing. Customers seeking an exemption will need to provide Austin Energy with documentation from the Neighborhood Housing and Community Development Department demonstrating that the Customer's premises meets City standards for affordable housing.</p> <p>Projects submitted to the Planning and Development Review Department before October 1, 2014 will be subject to the line extension fees in effect at the time of submittal. If subsequent changes to the project's electrical design result in a cost increase to Austin Energy of more than twenty percent, the Customer will be charged for the increase in project costs above twenty percent from the original design to the new design, as well as any engineering costs associated with the redesign. Examples of changes that might cause an increase in costs are changes to service entrance size or to the length or location of Austin Energy equipment."</p>
1.3.13	Paragraph 1	<p>Update paragraph to read: "Excess cost applies to anything requested by the Customer that exceeds what AE would provide as adequate and reliable standard electric service to serve the Customer's electrical demand and energy needs. This cost applies but is not limited to Customer requests for conversion of overhead to underground service, excess transformer capacity, equipment/work to increase reliability, specific placement or routing of AE facilities, relocations/removals of AE facilities, additional points of service, and other similar services. The Customer will be required to pay the full amount of any excess facilities and/or excess costs including any applicable fees as outlined in the current Council Approved Fee Schedule), Customer-requested and necessitated overtime, and any anticipated future operating costs."</p>
1.3.13	Underground Policy	Delete all but the following for this section: "For underground service, AE requires that the Customer install all the civil work for the AE facilities installed on the Customer's property.
1.4.0 REQUESTING/OBTAINING ELECTRIC SERVICE		

1.4.9	D: 1 and 2	Replaced Kramer Lane Service Center with System Control Center ; removed Ganged-meter socket assemblies, Current transformer (CT) enclosures, Self-contained meter sockets, Hubs (overhead, self-contained meter sockets), One-point racks (overhead), Closing plate (underground, self-contained meter sockets), CT metering equipment (CT's and S-1 socket enclosure).watt-hour meter devices, (See Sections 1.9.0 and 1.15.), Kramer Lane Service Center; added multi-position meter sockets, primary metering equipment, the following equipment, watt-hour meter, voltage transformer (VT Pack)
1.4.13	Paragraph 2	Reword last sentence to read " Rating of the disconnect equipment shall be determined from the nameplate maximum ampacity rating, not the fuse/circuit breaker or relay setting. The maximum number of disconnects shall be in accordance with the currently effective NEC. "
1.4.13	Paragraph 3	Remove sentence " No conductor larger than 500 kcmil shall be utilized within the Austin Energy Network Service area. All service conductors in the network service area shall be copper. "
1.5.0 TYPES OF PERMANENT ELECTRIC SERVICE		
1.5.1	Entire Section	Change 216Y/125V to 208Y/120V
1.5.1	1.5.1.4.B	Change AE Network Engineering to " AE Network Design "
1.5.1	1.5.1.4.B NOTES:	Move "NOTES: Only copper conductors are acceptable with a maximum size of 500 kcmil. No parallel conductors are permitted for services rated 400 amperes or less." to beginning section 1.5.0
1.5.1	1.5.1.5.C	Change sentence "The customer shall furnish and install all conduit according to Network Design Specifications from customer service location to AE's pullbox, manhole, or electrical vault."
1.5.1	1.5.1.5.C	Change sentence "When the conduit is required to be installed into an existing pullbox, manhole or electrical vault, the conduit shall be stubbed within 12 inches of AE's facility."
1.5.1	1.5.1.5.D	Remove Sentence " NOTES: Only Copper conductors are acceptable and such copper conductors shall not exceed 500 kcmil in size. No parallel conductors are permitted for services rated 400 amperes or less. "
1.5.1	1.5.1.5.E	Change Network Design Section to "Customer shall contact AE Complex Metering Operations to request the spot location of metering equipment and other metering and meter location information."
1.5.1	1.5.1.6.A	Change 1st Sentence "Where the Customer's total electrical demand load per AE's determination exceeds (800 amperes) for a 208Y/120V three-phase service and for any size 480Y/277V three-phase service, the Customer shall provide a transformer vault according to AE specifications and requirements."
1.5.2	Entire Section	Proposed change to allow all commercial services under section 1.5.2 (other than perhaps primary metered services) to qualify for the "400 feet in length" exception regardless of whether or not they are a spec building
1.5.2.1	N	Update Line: "Electric service to fire pumps shall be served through a CT-metered service."
1.5.2.4 & 1.5.3.4	A.2 & A.5.e	Section 1.5.2.4.A.2 does not match section 1.5.3.4.A.5.e
1.5.2.6	C: 2	Removed within sight of, visible and not more than 30 feet from, the transformer on the exterior finished surface of the building or structure or at transformer location; removed single meter-CT metering at transformer in ; added For alternate meter locations, contact AE Complex metering inspections section; added figures 11a or 11c

1.5.2.6	D.1.a - third bullet	Updated line: "Three-phase padmount transformers up to 500 kVA can take a maximum of eight conductors per phase/neutral."
1.5.2.7	A.3	Note added to the end of section 1.5.2.7.A.3 " Note: Larger primary metered customers that require any changes to Austin Energy's feeder relays will be responsible for charges related to arc flash mitigation up to, and including, replacement of feeder relays. "
1.5.2.9	B: 2	Removed ganged meter socket assemblies
1.5.3.4	A.3	"Underground Agreement for Electric Service (Letter of Agreement). The conditions and costs for underground electric service or infrastructure supplied to a Customer shall be covered by an Agreement for Electric Service letter provided by AE Design."
1.5.3.4	A.5.b	Updated line: "All primary, secondary, and service conduit in which AE installs the conductors and all service conduit ahead of the AE meter shall be limited to a maximum of three 90-degree bends , or equivalent, between accessible pulling points (such as transformer, service box, pull box, or meter socket)."
1.5.3.4	C.6.a.	removed entire meter pedestal section
1.5.3.7	E	Added Section: E. Multi Meter Banks and Modular Meter Banks (Underground): 1.The customer shall install the secondary wires from the transformer to the main disconnects and terminate the source side of the disconnects. 2.The main disconnects shall be inspected by COA electrical inspection department. 3.Austin Energy shall terminate all secondary wires in the transformer and energize disconnects. 4.Austin Energy shall energize complete meter banks as requested.
1.5.3.9	A	Removed line: " unless written approval is obtained from AE. For more information, contact AE Design "
1.6.0 STREETLIGHTING AND OUTDOOR LIGHTING		
1.6.2	First paragraph	Added line: " which includes the nearest four neighbors "
1.9.0 METERING		
1.9.1.1	A (first paragraph)	replace metering devices with metering equipment; added all
1.9.1.2	A (6th bullet)	added for instrument rated services; added section B.; replaced watt hour meter devices with following equipment; added watt-hour meter, voltage transformers
1.9.1.6		replaced meter or with conductors carrying un-metered current with meter, metering network, instrument transformers or with any conductors carrying un-metered current
1.9.1.7	paragraph 1 and 2	added (min. 2" stencil & spray paint), paint pen or marker is not acceptable.; removed with permanent paint
1.9.1.9		replaced AE must be consulted so that an AE CT Metering and Inspection Section with the customer shall contact AE Complex Metering Operation Section so that a
1.9.1.9	A: bullet 1	added and will need to be approved by the AE Complex Metering Inspections section

1.9.1.9	G thru L	G. replaced conduit in top of the with conduits entering at the top of a; added letter I. moved other letters one further down the alphabet; I. for side by side applications, use only straight nipples. Offsets are not allowed.; J. removed Ninety-degree bushed ells are not acceptable.; L. removed CTs installed inside switchboards or switchgear require written approval of the Electric CT Metering and Inspection Section before purchasing equipment and installation. replaced with Current transformers (CTs) and/or Voltage Transformers (VTs) shall not be allowed inside customer switchgears for revenue metering purposes.;
1.9.1.9.	M thru P	M. replaced in switchgear that is supplied service with inside a switchgear that are supplied, changed metered at to relocated to ; O. changed wiring to conductor; P. changed CT to instrument rated
1.9.1.11	Table	
1.9.1.13		removed an analog phone line is needed at each meter
1.9.3	mention about below grade vaults	title change; replace electric meters to metering equipment;
1.9.3.1	A edited, E-G removed	title change; remove and enclosures, replace with CT enclosures and meter centers; add meter centers; remove E-G
1.9.3.1	A; 4th Bullet	Should 4 feet be changed to 3 feet to match city code?
1.9.3.2	added new section	insert new section; section can be viewed as attachment 1; section talks about metering room requirements
1.9.3	1.9.3.3	1.9.3.3 change to 1.9.3.4
1.10.0 CLEARANCE AND SAFETY REQUIREMENTS		
1.10.4	Table 1.10.4, 5th section	Note 2 designation on "05 ft" was moved below so that it did not look like ft squared
1.12.0 NETWORK TRANSFORMER VAULTS		
1.12.0	1.12.1.B & C	Reformat to match rest of DCM
1.12.0	1.12.1.F	Change AE Network Engineering to "AE Network Design" (2) Places
1.12.0	1.12.1.G	Change to "Vault Agreement. A vault agreement on standard COA forms, signed by the property owner allowing access for installation and maintenance of AE installed and owned electrical facilities and starting at the property line is required by AE. All Agreement documents shall be prepared by AE and mailed to the owner(s) for a signature. The completed documents shall be returned to AE before AE energizes the electrical facilities on the customer's property."
1.12.0	1.12.1.I	add sentence "Fire damper and louvre assemblies are not allowed to protrude into the vault."
1.12.0	1.12.1.O	Change "In order the meet the customers power date, AE network design shall have a minimum 6-12 weeks from the day..."
1.12.0	1.12.4.B	Change Ventilator to Ventilation (2nd and 3rd bullet items)
1.12.0	1.12.5	Move lower boundary on the map to River St.
1.13.0 WORK FLOW PROCESSES		
1.13.1	Flow Chart	Delete box "Customer obtains metering equipment from AE Electric Meter Operations. See Section 1.2"
1.13.2	Flow Chart	Delete box "Customer obtains metering equipment from AE Electric Meter Operations (if required)"
1.13.3	H	Change to "Inspections by the AE Complex Metering Inspections Section can normally be completed in two working days following receipt of the request."
1.13.3	J	Delete line section 1.13.1.J

1.15.0 DISTRIBUTED GENERATION INTERCONNECTION (LESS THAN 50 KW)		
1.15.0	All	All sections were deleted except for the changes on the next line.
1.15.1	A	First line was changed to: "Procedures for various sized Distributed Generation facilities are detailed on the Austin Energy website at www.austinenenergy.com ". The bullets were also deleted and replaced by " Contractors, Electric service design and planning, distribution interconnect guide "
1.15.0 APPENDIX C – EXHIBITS		
1.15.0 APPENDIX C	APPENDIX	Add fault current table to appendix
1.15.0 APPENDIX C	EXHIBITS	Delete lines for Figure 1-39, Figure 1-40, Figure 1-41, Figure 1-42
1.15.0 APPENDIX C	Figure 1-1	Delete Figure 1-1
1.15.0 APPENDIX C	Figure 1-2A	Delete Figure 1-2A
1.15.0 APPENDIX C	Figure 1-2B	Delete Figure 1-2B
1.15.0 APPENDIX C	Figure 1-5	Delete Figure 1-5
1.15.0 APPENDIX C	Figure 1-6	Delete Figure 1-6
1.15.0 APPENDIX C	Figure 1-11B	Delete Figure 1-11B
1.15.0 APPENDIX C	Figure 1-11C	Delete Figure 1-11C
1.15.0 APPENDIX C	Figure 1-39	Delete Figure 1-39
1.15.0 APPENDIX C	Figure 1-40	Delete Figure 1-40
1.15.0 APPENDIX C	Figure 1-41	Delete Figure 1-41
1.15.0 APPENDIX C	Figure 1-42	Delete Figure 1-42