



**VIRTUAL/TELECONFERENCE
ELECTRICAL CODE ADVISORY COUNCIL
Virtual, 4822 Madison Yards Way, Madison
Contact: Brad Wojciechowski (608) 266-2112
May 20, 2024**

The following agenda describes the issues that the Council plans to consider at the meeting. At the time of the meeting, items may be removed from the agenda. Please consult the meeting minutes for a record of the actions of the Council.

AGENDA

12:00 P.M.

OPEN SESSION – CALL TO ORDER – ROLL CALL

- A. Adoption of Agenda (1-2)**
- B. Approval of the Minutes from the April 22, 2024 (3)**
- C. Reminders: Conflicts of Interest, Scheduling Concerns**
- D. Introductions, Announcements and Recognition**
- E. Administrative Matters – Discussion and Consideration**
 - 1) Department, Staff and Council Updates
 - 2) Advisory Council Members
 - a. Froemming, Steven
 - b. Janikowski, Ron
 - c. Jarosch, Christopher
 - d. Krueger, Kyle
 - e. Martinez, Christopher
 - f. Neitzel, Bill
- F. Legislative and Policy Matters – Discussion and Consideration**
- G. Administrative Rules Matters – Discussion and Consideration (4-9)**
 - 1) Proposed updates to SPS Rules relating to Electrical Code (5-9)
 - 2) Pending or possible rulemaking items
- H. Discussion and Consideration of Items Added After Preparation of Agenda**
 - 1) Introductions, Announcements and Recognition
 - 2) Administrative Matters
 - 3) Election of Officers
 - 4) Appointment of Liaisons and Alternates
 - 5) Delegation of Authorities
 - 6) Education and Examination Matters
 - 7) Credentialing Matters

- 8) Legislative and Policy Matters
- 9) Administrative Rule Matters
- 10) Council Liaison Training and Appointment of Mentors
- 11) Informational Items
- 12) Division of Legal Services and Compliance (DLSC) Matters
- 13) Motions
- 14) Petitions
- 15) Appearances from Requests Received or Renewed

I. Public Comments

ADJOURNMENT

NEXT MEETING: JUNE 24, 2024

MEETINGS AND HEARINGS ARE OPEN TO THE PUBLIC, AND MAY BE CANCELLED WITHOUT NOTICE.

Times listed for meeting items are approximate and depend on the length of discussion and voting. All meetings are held virtually unless otherwise indicated. In-person meetings are typically conducted at 4822 Madison Yards Way, Madison, Wisconsin, unless an alternative location is listed on the meeting notice. In order to confirm a meeting or to request a complete copy of the board's agenda, please visit the Department website at <https://dsps.wi.gov>. The board may also consider materials or items filed after the transmission of this notice. Times listed for the commencement of disciplinary hearings may be changed by the examiner for the convenience of the parties. Requests for interpreters for the hard of hearing, or other accommodations, are considered upon request by contacting the Affirmative Action Officer at 608-266-2112, or the Meeting Staff at 608-266-5439.

**VIRTUAL/TELECONFERENCE
ELECTRICAL CODE ADVISORY COUNCIL
MEETING MINUTES
APRIL 22, 2024**

PRESENT: Steven Froemming, Ron Janikowski, Christopher Jarosch, Kyle Krueger, Christopher Martinez, Bill Neitzel

STAFF: Brad Wojciechowski, Executive Director; Joseph Ricker, Legal Counsel; Jake Pelegrin, Administrative Rules Coordinator; Ashley Sarnosky, Board Administration Specialist; and other Department Staff

CALL TO ORDER

Kyle Krueger, Chairperson, called the meeting to order at 12:00 p.m. A quorum was confirmed with six (6) members present.

ADOPTION OF AGENDA

MOTION: Steven Froemming moved, seconded by Christopher Jarosch, to adopt the Agenda as published. Motion carried unanimously.

APPROVAL OF MINUTES OF MARCH 18, 2024

MOTION: Steven Froemming moved, seconded by Ron Janikowski, to approve the Minutes of March 18, 2024, as published. Motion carried unanimously.

ADMINISTRATIVE RULE MATTERS

Proposed updates to SPS Rules relating to Electrical Code

MOTION: Steven Froemming moved, seconded by Christopher Jarosch, to recommend approval of DIS proposed code update item numbers 1, 2, 4, 5, 6, 7, 9, 10, 12, 13, and 14 as outlined in the 4/22/2024 agenda materials with appropriate notes. Motion carried unanimously.

MOTION: Bill Neitzel moved, seconded by Steven Froemming, to table DIS proposed code update item numbers 3, 8, and 11 as outlined in the 4/22/2024 agenda materials for further discussion at future meetings. Motion carried unanimously.

ADJOURNMENT

MOTION: Steven Froemming moved, seconded by Bill Neitzel, to adjourn the meeting. Motion carried unanimously.

The meeting adjourned at 2:11 p.m.

**State of Wisconsin
Department of Safety & Professional Services**

AGENDA REQUEST FORM

1) Name and title of person submitting the request: Jake Pelegrin Administrative Rules Coordinator		2) Date when request submitted: 5/13/24 Items will be considered late if submitted after 12:00 p.m. on the deadline date which is 8 business days before the meeting																
3) Name of Board, Committee, Council, Sections: Electrical Code Advisory Council																		
4) Meeting Date: 5/20/24	5) Attachments: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	6) How should the item be titled on the agenda page? Administrative Rule Matters – Discussion and Consideration 1. Proposed updates to SPS Rules relating to Electrical Code 2. Pending or possible rulemaking items																
7) Place Item in: <input checked="" type="checkbox"/> Open Session <input type="checkbox"/> Closed Session	8) Is an appearance before the Board being scheduled? <i>(If yes, please complete Appearance Request for Non-DSPS Staff)</i> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	9) Name of Case Advisor(s), if required: N/A																
10) Describe the issue and action that should be addressed: Attachments: -Proposed updates to SPS Rules relating to Electrical Code																		
<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%;">11)</td> <td style="width: 60%; text-align: center;">Authorization</td> <td style="width: 30%;"></td> </tr> <tr> <td></td> <td style="text-align: center;"><i>Jake Pelegrin</i></td> <td style="text-align: center;">5/13/24</td> </tr> <tr> <td colspan="2" style="border-top: 1px solid black;">Signature of person making this request</td> <td style="border-top: 1px solid black; text-align: center;">Date</td> </tr> <tr> <td colspan="2" style="border-top: 1px solid black;">Supervisor (if required)</td> <td style="border-top: 1px solid black; text-align: center;">Date</td> </tr> <tr> <td colspan="2" style="border-top: 1px solid black;">Executive Director signature (indicates approval to add post agenda deadline item to agenda)</td> <td style="border-top: 1px solid black; text-align: center;">Date</td> </tr> </table>				11)	Authorization			<i>Jake Pelegrin</i>	5/13/24	Signature of person making this request		Date	Supervisor (if required)		Date	Executive Director signature (indicates approval to add post agenda deadline item to agenda)		Date
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Directions for including supporting documents: 1. This form should be attached to any documents submitted to the agenda. 2. Post Agenda Deadline items must be authorized by a Supervisor and the Policy Development Executive Director. 3. If necessary, provide original documents needing Board Chairperson signature to the Bureau Assistant prior to the start of a meeting.																		

May 20, 2024 Electrical Advisory Council Agenda
SPS 316.200 - 316.230 Subchapter IV

ITEM NO.	CODE/RULE PROVISION	ISSUE/REASON FOR CHANGE	WI ADMIN CODE SPS SECTION AFFECTED	PROPOSED BY	EXISTING LANGUAGE AND/OR AFFECTED SPS LANGUAGE	PROPOSED CODE LANGUAGE	POTENTIAL IMPACT	COMMENTS & STATUS
SECTION 200								
1	SPS 316.210(1)	Repeal and existing SPS 316.210 (1) and Replace	SPS 316.210	DIS	Branch circuits (1) GROUND-FAULT CIRCUIT-INTERRUPTER PROTECTION FOR PERSONNEL. (a) The requirements in 2017-NEC 210.8 (A) (7) do not apply to single located in kitchens. (b) The requirements in 2017-NEC 210.8 (A) (9) and (10) are not included as part of this chapter. (c) Substitute the following wording for 2017-NEC 210.8 (B): All 125-volt, single-phase, 15- and 20-ampere receptacles installed in the following locations shall have ground-fault circuit interrupter protection for personnel. (d) This is a department exception to the requirements in 2011-NEC 210.8 (A) and 2017-NEC 210.8 (A) and (B). Exception: Ground-fault circuit interrupter protection shall not be required for a single receptacle providing power for sump, sewage, or condensate pumps where an accessible ground-fault circuit interrupter-protected receptacle is located within 900 mm (3 ft) of the non-GFCI-protected receptacle.	316.210 (1) GROUND-FAULT CIRCUIT-INTERRUPTER PROTECTION FOR PERSONNEL. <u>(a) Substitute the following wording for 2023 NEC 210.8 (A): All 125-volt, single-phase, 15- and 20-ampere receptacles installed in the following locations shall have ground-fault circuit interrupter protection for personnel.</u> <u>(b) Substitute the following wording for 2023 NEC 210.8 (A) (5): Unfinished portions or areas of the basement not intended as habitable rooms.</u> <u>(c) The requirements in 2023 NEC 210.8 (A) (7) are not included as part of this chapter.</u> <u>(d) The requirements in 2023 NEC 210.8 (D) (8), (9), (10), and (11) are not included as part of this chapter.</u> <u>(e) The requirements in 2023 NEC 210.8 (F) are not included as part of this chapter.</u>		Removal of existing 316.210 (1) (a) to (d): (a): The Department no longer supports this exception and suggests that the 2023 NEC should dictate. (b): The Department no longer supports this exception and suggests that the 2023 NEC should dictate. (c): The Department no longer supports this exception and suggests that the 2023 NEC should dictate. (d): The Department no longer supports this exception and suggests that the 2023 NEC should dictate. Creation of new subs. (1)(a) to (e) are addressed in items 1a to 1e, below. Presented by: Craig and Scott
1a		Create new SPS 316.210(1)(a)		DIS	Existing language repealed in section 1.	<u>(a) Substitute the following wording for 2023 NEC 210.8 (A): All 125-volt, single-phase, 15- and 20-ampere receptacles installed in the following locations shall have ground-fault circuit interrupter protection for personnel.</u>		Create (a): Incompatibility issues caused by requiring 240-volt appliances to be on a GFCI device. Additionally, an evaluation was not performed on equipment that would be req'd to be connected to a GFCI circuit. Presented by: Craig and Scott
1b		Create new SPS 316.210(1)(b)		DIS	Existing language repealed in section 1.	<u>(b) Substitute the following wording for 2023 NEC 210.8 (A) (5): Unfinished portions or areas of the basement not intended as habitable rooms.</u>		Create (b): Requiring GFCI expanded coverage to all areas of finished basement is not justified. Finished basements are not prone to moisture and should not be treated like unfinished areas. Presented by: Craig and Scott
1c		Create new SPS 316.210(1)(c)		DIS	Existing language repealed in section 1.	<u>(c) The requirements in 2023 NEC 210.8 (A) (7) are not included as part of this chapter.</u>		Create (c): Items 6 & 8 effectively cover these types of installations. Thus rendering #7 redundant and confusing as to where such areas start/stop or what constitutes these areas. Presented by: Craig and Scott
1d		Create new SPS 316.210(1)(d)		DIS	Existing language repealed in section 1.	<u>(d) The requirements in 2023 NEC 210.8 (D) (8), (9), (10), and (11) are not included as part of this chapter.</u>		Create (d): Incompatibility issues caused by requiring 240-volt appliances to be on a GFCI device. Additionally, an evaluation was not performed on appliances with the GFCI code rule. Presented by: Craig and Scott
1e		Create new SPS 316.210(1)(e)		DIS	No existing (e).	<u>(e) The requirements in 2023 NEC 210.8 (F) are not included as part of this chapter.</u>		Create (e): Incompatibility issues caused by requiring 240-volt appliances to be on a GFCI device. Additionally, an evaluation was not performed on equipment that would be req'd to be connected to a GFCI circuit. Presented by: Craig and Scott

2	SPS 316.210(2)	Repeal existing SPS 316.210(2) and Replace	SPS 316.210(2)	DIS	(2) BRANCH CIRCUITS REQUIRED. (a) This is a department rule in addition to the requirements of 2011 NEC 240.11: Where an air conditioner sleeve is provided in a building wall, a receptacle outlet shall be located within 4 feet of the sleeve. If a circuit is not run to the outlet, a raceway shall be provided. When the air conditioner is installed in the sleeve, it shall be supplied by an individual branch circuit. A receptacle outlet installed for an air conditioner may not be counted as one of the receptacles required by NEC 210.52 (A). (b) The requirements in 2017 NEC 210.11 (C) (4) are not included as part of this chapter.	<u>316.210 (2) Arc-Fault Circuit-Interrupter Protection.</u> <u>(a) The requirements in 2023 NEC 210.12 (B) (1) are not included as part of this chapter.</u> <u>(b) The requirements in 2023 NEC 210.12 (E) are not included as part of this chapter.</u>	Remove existing (2) (a) and (b): (a): References the 2011 NEC which no longer applies and is no longer adopted as of January 01, 2020 per SPS 316.007(1)(am) (b): The Department no longer supports this exception and suggests that the 2023 NEC should dictate. Creation of new subs. (2)(a) and (b) are addressed in items 2a and b, below. Presented by: Craig and Scott
2a		Create new SPS 316.210(2)(a)			Existing language repealed in section 2.	<u>(a) The requirements in 2023 NEC 210.12 (B) (1) are not included as part of this chapter.</u>	Create (a): Exclusions for kitchens are currently in place in WI Equipment nuisance tripping is still a key concern due to appliance/AFCI incompatibility. Presented by: Craig and Scott
2b		Create new SPS 316.210(2)(b)			Existing language repealed in section 2.	<u>(b) The requirements in 2023 NEC 210.12 (E) are not included as part of this chapter.</u>	Create (b): Exclusions for branch extension and or modification is currently in place in WI. One cannot simply install AFCI protection anywhere in a circuit as other wiring considerations must be maintained and that is impossible in existing buildings. Presented by: Craig and Scott
3	SPS 316.210(3)	Repeal existing SPS 316.210(3) and Replace	SPS 316.210	DIS	(3) ARC-FAULT CIRCUIT INTERRUPTER PROTECTION. The requirements in 2017 NEC 210.12 (A) do not apply to kitchens.	<u>316.210 (3) Dwelling Unit Receptacle Outlets.</u> <u>(a) Substitute the following wording for 2023 NEC 210.52 (C) (2): At least one receptacle shall be installed at each island and peninsular countertop space with a long dimension of 600 mm (24 in.) or greater and a short dimension of 300 mm (12 in.) or greater. A peninsular countertop is measured from the connected perpendicular wall. Receptacle outlets installed to serve an island or peninsular countertop or work surface shall be installed in accordance with 2023 NEC 210.52 (C) (3).</u> <u>(b) This is a department exception to the requirements of 2023 NEC 210.52 (C) (3): Exception: To comply with the following conditions (1) and (2), receptacle outlets shall be permitted to be mounted not more than 300 mm (12 in.) below the countertop or work surface. Receptacles mounted below a countertop or work surface in accordance with this exception shall not be located where the countertop or work surface extends more than 150 mm (6 in.) beyond its support base.</u> <u>(1) Construction for the physically impaired.</u> <u>(2) On island and peninsular countertops or work surface where the surface is flat across its entire surface (no backsplashes, dividers, etc.) and there are no means to mount a receptacle within 500 mm (20 in.) above the countertop or work surface, such as an overhead cabinet.</u>	Removal of existing 316.210 (3): Removal of existing 316.210 (3): The Department no longer supports this exception and suggests that the 2023 NEC should dictate. Creation of new subs. (3)(a) and (b) are addressed in items 3a and 3b, below. Presented by: Craig and Scott
3a		Create new SPS 316.210(3)(a)			Existing language repealed in section 3.	<u>(a) Substitute the following wording for 2023 NEC 210.52 (C) (2): At least one receptacle shall be installed at each island and peninsular countertop space with a long dimension of 600 mm (24 in.) or greater and a short dimension of 300 mm (12 in.) or greater. A peninsular countertop is measured from the connected perpendicular wall.</u>	Create (a): Suggestion is reflective of the 2017 NEC Language 210.52 (C)(2) with updated references to the appropriate sections. Presented by: Craig and Scott
3b		Create new SPS 316.210(3)(b)			Existing language repealed in section 3.	<u>(b) This is a department exception to the requirements of 2023 NEC 210.52 (C) (3): Exception: To comply with the following conditions (1) and (2), receptacle outlets shall be permitted to be mounted not more than 300 mm (12 in.) below the countertop or work surface. Receptacles mounted below a countertop or work surface in accordance with this exception shall not be located where the countertop or work surface extends more than 150 mm (6 in.) beyond its support base.</u> <u>(1) Construction for the physically impaired</u> <u>(2) On island and peninsular countertops or work surface where the surface is flat across its entire surface (no backsplashes, dividers, etc.) and there are no means to mount a receptacle within 500 mm (20 in.) above the countertop or work surface, such as an overhead cabinet.</u>	Create (b): Suggestion is reflective of the Exceptions found in the 2017 NEC 210.52(C)(5) with updated references to the appropriate sections. Presented by: Craig and Scott

4	SPS 316.210(4)	Delete - in entirety	SPS 316.210	DIS	(4) BRANCH CIRCUIT EXTENSIONS OR MODIFICATIONS— DWELLING UNITS AND DORMITORY UNITS. The requirements in 2011 NEC 210.12 (B) and 2017 NEC 210.12 (D) are not included as part of this chapter.		Remove existing (4): Reference to an older code that no longer applies since the 2023 NEC now addresses, the Department suggest removal. Presented by Craig and Scott
5	SPS 316.210(5)	Delete - in entirety	SPS 316.210	DIS	(5) LIGHTING OUTLETS REQUIRED. Substitute the following wording for 2011 NEC 210.70 (A) (1): At least one wall-switch-controlled lighting outlet shall be installed in every habitable room, kitchen, and bathroom.		Remove existing (5): Reference to an older code that no longer applies since the 2023 NEC now addresses, the Department suggest removal. Presented by Craig and Scott
6	SPS 316.210(6)	Delete - in entirety	SPS 316.210	DIS	(6) COUNTERTOP RECEPTACLES. The requirements in 2011 NEC 210.52 (A) (4) are not included as part of this chapter.		Remove existing (6): Reference to an older code that no longer applies since the 2023 NEC now addresses, the Department suggest removal. Presented by Craig and Scott
7	SPS 316.210(7)	Delete - in entirety	SPS 316.210	DIS	(7) GARAGES. Substitute the following wording for 2017 NEC 210.52 (G) (1): In each attached garage and in each detached garage with electric power.		Remove existing (7): The Department no longer supports this exception and suggests that the 2023 NEC should dictate. Presented by Craig and Scott
8	SPS 316.210(8)	Delete - in entirety	SPS 316.210	DIS	(8) MEETING ROOMS. The requirements in 2017 NEC 210.71 do not apply to this chapter.		Remove existing (8): The Department no longer supports this exception and suggests that the 2023 NEC should dictate. Presented by Craig and Scott
9	SPS 316.220	Repeat existing SPS 316.220 and Replace	SPS 316.220	DIS	SPS 316.220— BRANCH CIRCUIT, FEEDER AND SERVICE CALCULATIONS. (1) GENERAL. This is a department exception to the requirements in 2011 NEC 220.10. Circuit load calculations may use unit load values lower than those identified in NEC Table 220.12 for lighting loads calculated using the maximum electrical energy conservation values specified under ch. SPS 363 for public buildings and places of employment. (2) EXCEPTION. This is a department exception to the requirements in 2011 and 2017 NEC 220.40. Exception: Under the supervision of a Wisconsin professional engineer, architect or designer of electrical systems, the feeder or service size may be computed using diversity factors or historical data of a similar type of building, other than one- and two-family dwelling units.	<u>SPS 316.220 Branch-circuit, feeder and service calculations. Substitute the following wording for 2023 NEC 220.5 (C): The floor area for each floor shall be calculated from the outside dimensions of the building, dwelling unit, or other area involved. For dwelling units, the calculated floor area shall not include open porches, garages, or unfinished areas not adaptable for future use as a habitable room or occupiable space.</u>	Removal of existing 316.220 (1) and (2): (1): References the 2011 NEC. (2): The 2023 NEC includes historical data for sizing therefore there is no longer a need for this language. Create new 316.220: New section adds Garages to the 2023 Code Language in NEC 220.5(C). Presented by Craig and Scott
10	SPS 316.225	Repeat existing SPS 316.225 and Replace	SPS 316.225	DIS	SPS 316.225 Outside branch circuits and feeders. (1) CLEARANCES FROM BUILDINGS FOR CONDUCTORS— NOT OVER 600 VOLTS. Substitute the following wording for 2011 NEC 225.19 (A) Exception No. 4. The requirement for maintaining the vertical clearance 3 feet from the edge of the roof does not apply to the final conductor span to the building. (2) NUMBER OF SUPPLIES. The following are department rules in addition to the requirements in 2011 and 2017 NEC 225.30: (a) For the purpose of this section, multiple feeders that are supplied from the same distribution point, having a total rating of 300 amperes or more, and that supply not more than 6 disconnecting means grouped at the same location shall be considered as one supply. (b) Multi-occupancy buildings or structures may have one set of branch circuit conductors installed from a dwelling unit to the second building or structure's respective occupied space. (3) LOCATION. This is a department rule in addition to the requirements of 2011 and 2017 NEC 225.32: The building disconnect required by NEC 225.31 shall be located in accordance with 4. SPS 316.230 (2). Note: See ch. PSC 114 regarding clearances of conductors of over 600 volts and for prohibition of constructing dwellings under or near overhead lines. (4) CLEARANCES OVER ROADWAYS, WALKWAYS, RAIL, WATER AND OPEN LAND. Substitute the following wording for the note to 2011 and 2017 NEC 225.60 (C): Note: For clearances of conductors of over 600 volts, see ch. PSC 114. (6) CLEARANCES OVER BUILDINGS AND OTHER	<u>SPS 316.225 Outside branch circuits and feeders.</u> <u>(1) NUMBER OF SUPPLIES. This is a department rule in addition to the requirements in 2023 NEC 225.30: Multi-occupancy buildings or structures may have one set of branch circuit conductors installed from a dwelling unit to the second building or structure's respective occupied space.</u> <u>(3) LOCATION. These are department rules in addition to the requirements of 2023 NEC 225.31:</u> <u>(a) This is a department rule in addition to the requirements of 2023 NEC 225.31 (B): Raceways containing feeder or branch circuit conductors, or feeder or branch circuit cables not contained within a raceway, may not extend longer than 8 feet into a building to the disconnect or the first disconnect of a group of disconnects as permitted by NEC 230.71. The raceways, cables, or conductors shall be considered to have entered the building at the point where they pass through the outer surface of the building exterior, except as permitted by NEC 230.6.</u> <u>(b) Where the disconnecting means is installed outside of a building or structure the disconnecting means shall be located not more than 30 feet from and within sight of the building or structure that the disconnect serves.</u>	Removal of existing 316.225 (1), (2) (a), (3), (4), and (6): (1): References the 2011 NEC. (2)(a): The Department no longer supports this exception and suggests that the 2023 NEC should dictate. (3): Remove confusion based on questions that arise on this topic, 2023 NEC has acceptable language. (4): Remove confusion based on questions that arise on this topic, 2023 NEC has acceptable language. The 2023 NEC references heights, distances, and clearances from structures, roadways, etc. (6): 2023 NEC references heights, distances, and clearances from structures, roadways, etc. Creation of new sub, (1) and revision of (3) are addressed in items 10a and 10b, below: Presented by: Craig and Scott

					STRUCTURES. Substitute the following wording for the note to 2011 and 2017 NEC 225.61(B): Note: See ch. PSC 114 regarding clearances of conductors of over 600 volts and for prohibition of constructing dwellings under or near overhead lines.		
10a		Revision	SPS 316.225	DIS	(2) NUMBER OF SUPPLIES. The following are department rules in addition to the requirements in 2011 and 2017 NEC 225.30: (b) Multi-occupancy buildings or structures may have one set of branch circuit conductors installed from a dwelling unit to the second building or structure's respective occupied space.	(1) NUMBER OF SUPPLIES. This is a department rule in addition to the requirements in 2023 NEC 225.30: Multi-occupancy buildings or structures may have one set of branch circuit conductors installed from a dwelling unit to the second building or structure's respective occupied space.	Revise (1): Updated to be consistent with new structure of section and updated NEC edition. Presented by: Craig and Scott
10b		Revision - re-number and amend	SPS 316.225(3)	DIS	(3) LOCATION. This is a department rule in addition to the requirements of 2011 and 2017 NEC 225.31: The building disconnect required by NEC 225.31 shall be located in accordance with a SPS 316.230 (3). Note: See ch. PSC 114 regarding clearances of conductors of over 600 volts and for prohibition of constructing dwellings under or near overhead lines.	(3) LOCATION. These are department rules in addition to the requirements of 2023 NEC 225.31: (a) This is a department rule in addition to the requirements of 2023 NEC 225.31 (B): Raceways containing feeder or branch circuit conductors, or feeder or branch circuit cables not contained within a raceway, may not extend longer than 8 feet into a building to the disconnect or the first disconnect of a group of disconnects as permitted by NEC 230.71. The raceways, cables, or conductors shall be considered to have entered the building at the point where they pass through the outer surface of the building exterior, except as permitted by NEC 230.6. (b) Where the disconnecting means is installed outside of a building or structure the disconnecting means shall be located not more than 30 feet from and within sight of the building or structure that the disconnect serves.	Revise (3): Updated to be consistent with proposed removal of SPS 316.230(3)(a) in item 11b, below. Note removed because the 2023 NEC references heights, distances, and clearances from structures, roadways, etc. Create (2)(a) and (b): Expanded SPS to remove confusion based on multiple questions from contractors and inspectors in the filed. Presented by: Craig and Scott
11	SPS 316.230	Delete - in entirety	SPS 316.230(1)(c)	DIS	SPS 316.230 Services. (1) NUMBER OF SERVICES. (a) This is a department informational note to be used under 2011 and 2017 NEC 230.2 (intro.). Note: It is recommended that the electric utility or cooperative supplying electric current be contacted prior to service equipment installations for any special requirements. (b) Substitute the following wording for NEC 230.2 (B) (2): Two or more service drops or laterals for the same class of service if located more than 150 feet apart, measured in a straight line, and provided that all electrical wiring supplied by each service has no common raceway or connection with any other service. (c) This is a department rule in addition to the requirements of 2011 NEC 230.2 (B): For a building which is not more than 3 stories in height and which contains only 2 or more attached, vertically-separated, side-by-side, or back-to-back dwelling units, with each dwelling unit served by an individual exterior exit within 6 feet of the exit discharge grade, a separate service drop or lateral shall be permitted for each 2 attached units.		NOTE: Because of the length of 316.230 all changes to the section cannot be shown in one line, so each subsection is addressed individually. Remove existing SPS 316.230 (1)(c): References the 2011 NEC. Presented by Craig and Scott
11a	SPS 316.230	Revision - Addition	SPS 316.230(1)	DIS	SPS 316.230 Services. (1) NUMBER OF SERVICES. (a) This is a department informational note to be used under 2011 and 2017 NEC 230.2 (intro.). Note: It is recommended that the electric utility or cooperative supplying electric current be contacted prior to service equipment installations for any special requirements. (b) Substitute the following wording for NEC 230.2 (B) (2): Two or more service drops or laterals for the same class of service if located more than 150 feet apart, measured in a straight line, and provided that all electrical wiring supplied by each service has no common raceway or connection with any other service.	SPS 316.230 Services. (1) NUMBER OF SERVICES. (a) This is a department informational note to be used under 2023 NEC 230.2 (intro.): Note: It is recommended that the electric utility or cooperative supplying electric current be contacted prior to service equipment installations for any special requirements. (b) Substitute the following wording for NEC 230.2 (B) (2): Two or more service drops or laterals for the same class of service if located more than 150 feet apart, measured in a straight line, and provided that all electrical wiring supplied by each service has no common raceway or connection with any other service.	Revise (1): Updated to the 2023 NEC code. Presented by: Craig and Scott
11b		Delete - in entirety	SPS 316.230(2)	DIS	SPS 316.230(2) NUMBER OF SERVICE ENTRANCE CONDUCTOR SETS. The requirements specified in 2011 and 2017 NEC 230.40 Exception No. 3 are not included as part of this chapter.		Remove existing (2): References the 2011 NEC which no longer applies and is no longer adopted as of January 01, 2020 per SPS 316.007(1)(am). Department recommends removing 230.40 Exception No. 3 from the exclusion and let the 2023 NEC dictate. Presented by Craig and Scott

11c	SPS 316.230	Create - new	SPS 316.230(2)	DIS	Existing language repealed in section 11b.	(2) SURGE PROTECTION. The requirements of 2023 NEC 230.67 are not included as part of this chapter.	Presented by Craig and Scott
11d		Partial deletion; Revision - amend and create new section	SPS 316.230(3)	DIS	<p>(3) SERVICE EQUIPMENT - DISCONNECTING MEANS. (a) GENERAL. This is a department rule in addition to the requirements of 2011 and 2017 NEC 230.70. Disconnecting means shall be provided to disconnect the utility wiring from the premises wiring at any point where utility wiring terminates and premises wiring extends overhead or underground to more than one building or structure.</p> <p>(b) Location. This is a department rule in addition to the requirements of 2011 and 2017 NEC 230.70 (A): Raceways containing service conductors or cables, or service entrance cable not contained within a raceway, may not extend longer than 8 feet into a building to the service disconnect or the first service disconnect of a group of disconnects as permitted by NEC 230.71. The raceways or conductors shall be considered to have entered the building at the point where they pass through the outer surface of the building exterior, except as permitted by NEC 230.6.</p>	<p>(3) SERVICE EQUIPMENT - DISCONNECTING MEANS. (b) Location. This is a department rule in addition to the requirements of 2023 NEC 230.70 (A): Raceways containing service conductors or cables, or service entrance cable not contained within a raceway, may not extend longer than 8 feet into a building to the service disconnect of a group of disconnects as permitted by NEC 230.71. The raceways or conductors shall be considered to have entered the building at the point where they pass through the outer surface of the building exterior, except as permitted by NEC 230.6.</p> <p>(c) Where the service disconnecting means is installed outside of a building or structure the service disconnecting means shall be no more than 30' and within sight from the building or structure it serves.</p>	<p>Remove existing (3)(a): References the 2011 NEC which no longer applies and is no longer adopted as of January 01, 2020 per SPS 316.007(1)(am). Department recommends removing 230.70 from the exclusion and let the 2023 NEC dictate, since this section includes language to remove potential confusion and redundancy in both codes. Updated to be consistent with new structure of section.</p> <p>Revise (b): Updated to the 2023 NEC code.</p> <p>Presented by: Craig and Scott</p>
11e		Delete - in entirety	SPS 316.230(4)		<p>(4) RATING OF SERVICE DISCONNECTING MEANS — 2011-NEC. This is a department rule in addition to the requirements of 2011-NEC 230.70. (a) Two- or multi-family dwellings. Except as provided in par. (b), for 2-family or multi-family dwellings, the service equipment shall have a rating of not less than 150 amperes, 3-wire or 4-wire. Where the combined rating of all service disconnecting means is 150 amperes or larger, the service or feeder equipment rating for each dwelling unit shall have a rating of not less than 60 amperes. (b) Exception. Service equipment having a rating of not less than 100 amperes, 3-wire or 4-wire, may be installed in an existing 2-family dwelling only where both of the following conditions are complied with: 1. The load computed in accordance with NEC 220 does not exceed 60 amperes. 2. Specific written approval is granted by the municipal inspection department having jurisdiction.</p>		<p>Remove existing (4): References the 2011 NEC.</p> <p>Presented by Craig and Scott</p>
11f		Create new SPS 316.230(4)	SPS 316.230(4)		Existing language repealed in section 11e.	(4) EMERGENCY DISCONNECTS. The requirements of 2023 NEC 230.85 are not included as part of this chapter.	Presented by Craig and Scott
11g		Delete - in entirety	SPS 316.230(5)		<p>(5) RATING OF SERVICE DISCONNECTING MEANS — 2017-NEC. This is a department rule in addition to the requirements of 2017-NEC 230.70. For 2-family or multi-family dwellings, the service equipment shall have a rating of not less than 150 amperes, 3-wire or 4-wire.</p>		<p>Remove existing (5): Department recommends removing this code since this is not applicable to today's technology. Allow the 2023 NEC to dictate.</p> <p>Presented by Craig and Scott</p>