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**International Energy Conservation Code**

**Electrical, Power, Lighting and Renewable Energy Subcommittee**

**Meeting Agenda**

February 17, 2023

2:00 PM EST to 5:00 PM EST (3 hours)

[Webex Link](https://iccsafe.webex.com/iccsafe/j.php?MTID=mbabbca387ac26bf392f8723b71c24b43)

**Committee Chair:** Mike Stone, NEMA

**Committee Vice Chair:** Mark Rodriguez, SunRun

1. Call to order.

2. Meeting Conduct. Staff

a. Identification of Representation/Conflict of Interest

b. ICC [Council Policy 7](https://www.iccsafe.org/wp-content/uploads/CP07-04.pdf) Committees: Section 5.1.10 Representation of Interests

c. ICC [Code of Ethics](https://www.iccsafe.org/wp-content/uploads/CodeOfEthics.pdf): ICC advocates commitment to a standard of professional behavior that exemplifies the highest ideals and principles of ethical conduct which include integrity, honesty, and fairness. As part of this commitment it is expected that participants shall act with courtesy, competence and respect for others.

3. Roll Call - Stone

4. Approval of Minutes

5. Administrative issues.

Updated order. Duplicate items removed. Request to move EV to later in the order.

6. Action Items.

* ~~IRCED1-2-22 Remove all-electric appendix Shannon Corcoran~~
* ~~IRCED1-3-22 N1101.6 Automatic shut-off control Fredric~~
* ~~IRCED1-4-22 N1101.6 Renewable energy certificate Tom Ortiz~~
* ~~IRCED1-5-22 N1104.2.2 Specific locations Fredric Zwerg~~
* ~~RED1-091-22 91 Appendix RP Michael Tillou~~
* ~~RED1-092-22 92 R103.2.2 Construction documents solar-ready system~~
* ~~RED1-093-22 93 R103.2.2 Solar-ready systems Tom Ortiz~~
* ~~RED1-094-22 94 R103.2.2 Solar-system ready Alex Smith~~
* ~~RED1-095-22 95 R202 Electric vehicle definition Adam Berry~~
* ~~RED1-096-22 R202 EV Code Proposal Ingrid Malmgren~~
* ~~RED1-097-22 PI R202 Renewable energy certificate Fredric Zwerg~~
* ~~RED1-097-22 PII N1101.6 Renewable energy certificate Fredric Zwerg~~
* ~~RED1-098-22 R202 Renewable energy certificate Tom Ortiz~~
* ~~RED1-099-22 R202 Renewable energy certificate Ted Williams~~
* ~~RED1-100-22 R202 Renewable energy certificate Eric Tate~~
* ~~RED1-101-22 R202 Zero net energy performance definition Ted Williams~~
* ~~RED1-102-22 R202 Zero net energy performance definition Eric Tate~~
* ~~RED1-104-22 R401.3 Solar ready exception Diana Burk~~
* ~~RED1-105-22 R401.3 Solar ready requirements Adam Berry~~
* ~~RED1-107-22 R403.10 Roof and gutter deicing controls Nick Thompson~~
* ~~RED1-108-22 R404.1 Exterior lighting power revision Glenn Heinmiller~~
* ~~RED1-109-22 R404.1 R404.1 lighting update requirements Steven Rosenstock~~
* ~~RED1-110-22 R404.1.2 Exterior lighting power revision Glenn Heinmiller~~
* ~~RED1-111-22 R404.2 Interior lighting control requirements Glenn Heinmiller~~
* ~~RED1-112-22 R404.3 R404.3 update Greg Johnson~~
* ~~RED1-113-22 R404.3 Solar outdoor light exception Steven Rosenstock~~
* ~~RED1-114-22 R404.4 RECs in a minimum code Steven Rosenstock~~
* ~~RED1-116-22 R404.5 Electric readiness edits Greg Johnson~~
* ~~RED1-127-22 R404.5 Replace fossil fuel with fuel gas/oil Renee Lani~~
* ~~RED1-128-22 R404.5.1 Cooking products modification Shane Hoeper~~
* ~~RED1-129-22 R404.5.1 Electric ready space heat and cool Adam Berry~~
* ~~RED1-130-22 R404.5.1 Electrification Ben Rabe~~
* ~~RED1-131-22 R404.5.2 Clothes dryer Shane Hoeper~~
* ~~RED1-132-22 R404.5.4 Electric readiness comment Douglas Presley~~
* ~~RED1-133-22 R404.6 Add exceptions R404.6 Steven Rosenstock~~
* ~~RED1-136-22 R404.6.1 Solar ready zone modifications Adam Berry~~
* ~~RED1-137-22 R404.6.1.3 Electrical service reserved space for renewables Greg Johnson~~
* ~~RED1-138-22 R404.6.1.4 Electrical interconnection renewables Greg Johnson~~
* ~~RED1-139-22 R404.6.1.4 Electrical interconnection renewables Greg Johnson~~
* ~~RED1-140-22 R404.6.2 Solar ready appendix reference Greg Johnson~~
* ~~RED1-149-22 R404.7 Remove EV infrastructure Michele DeFrance~~
* ~~RED1-152-22 R404.7.1 EV quantity comment Noelani Derrickson~~
* ~~RED1-153-22 R404.7.1 EV Ready quantity Emily Kelly~~
* ~~RED1-154-22 R404.7.1 Relocate EV charging exceptions Greg Johnson~~
* ~~RED1-155-22 R404.7.2 EV charging distance requirement Amy Martino~~
* ~~RED1-156-22 R404.7.4 EV infrastructure exceptions Adam Berry~~
* ~~RED1-157-22 R404.7.4 Update EV infrastructure utility cost for inflation Steven Rosenstock~~
* ~~RED1-158-22 R404.8 Dwelling unit electrical meter Daniel Carroll~~
* ~~RED1-159-22 R405.2 Table EV infrastructure references Greg Johnson~~
* ~~RED1-160-22 PI R405.2 Table References Fredric Zwerg~~
* ~~RED1-160-22 PII N1105.2 table Requirements for Sim Building Performance Fredric Zwerg~~
* ~~RED1-161-22 R405.2 Table Simulated building performance req Eric Tate~~
* ~~RED1-162-22 R406.2 table ERI requirements Eric Tate~~
* ~~RED1-163-22 PI R406.2 table References Fredric Zwerg~~
* ~~RED1-163-22 PII N1106.2 table Requirements for ERI Fredric Zwerg~~
* ~~RED1-164-22 R406.2 table Requirements for ERI Ted Williams~~
* ~~RED1-165-22 PI R406.7.3 REC documentation edit Tom Ortiz~~
* ~~RED1-165-22 PII N1106.7.3 REC documentation edit Tom Ortiz~~
* ~~RED1-166-22 R408.2 Table Whole home lighting control energy credit Michael Jouaneh~~
* ~~RED1-167-22 R408.2.6 High-efficiency appliance option Jennifer Amann~~
* ~~RED1-168-22 PI R408.2.7 Renewable energy edit Tom Ortiz~~
* ~~RED1-168-22 PII N1108.2.7 Renewable energy edit Tom Ortiz~~
* ~~RED1-169-22 RB101 Solar readiness for R-2, R-3, R-4 Greg Johnson~~
* ~~RED1-170-22 RD101.1 Update Appendix RD Steven Rosenstock~~
* ~~RED1-171-22 PI RD102.1 Appendix RD update Fredric Zwerg~~
* ~~RED1-171-22 PII AU102.1 Appendix AU update Fredric Zwerg~~
* ~~RED1-172-22 PI RD103.3 Appendix RD update Fredric Zwerg~~
* ~~RED1-172-22 PII AU103.3 Appendix AU update Fredric Zwerg~~
* ~~RED1-178-22 PII AY101 Remove all-electric appendix Tom Ortiz~~
* ~~RED1-179-22 RE102.1 All-electric definition update Steven Rosenstock~~
* ~~RED1-180-22 RE103.1 Electric resistance WH limit Mark Lyles~~
* ~~RED1-181-22 PII Appendix AY Remove all-electric appendix Fredric Zwerg~~
* ~~RED1-187-22 PII R202 Automobile parking space Christopher McWhite~~
* ~~RED1-363-22 R404.4 Solar zone area Glen Brand~~
* ~~REPCD1-10-22 R404.5 City of Minneapolis comments Stacy Miller~~
* ~~REPCD1-11-22 R404.5 Electric readiness public comment David Forte~~
* ~~REPCD1-14-22 R404.7 EV ready comment Paul Demers~~
* ~~REPCD1-15-22 R404.7 Oppose items that don't save energy/fuel neutral Renee Lani~~
* ~~REPCD1-21-22 Appendix RB Solar ready public comment Glen Brand~~
* ~~REPCD1-7-22 Appendix RE All-electric appendix comment David Forte~~
* ~~REPCD1-8-22 N1104.6.1 Solar ready comment Paul Demers~~
* ~~REPCD1-9-22 N1104.7 EV ready comment Paul Demers~~

**Revised agenda for 2-17:**

* **Public Comments – no action required; discuss as needed**
* REPCD1-10-22 R404.5 City of Minneapolis comments Stacy Miller
* REPCD1-14-22 R404.7 EV ready comment Paul Demers
* REPCD1-15-22 R404.7 Oppose items that don't save energy/fuel neutral Renee Lani
* REPCD1-21-22 Appendix RB Solar ready public comment Glen Brand
* REPCD1-9-22 N1104.7 EV ready comment Paul Demers
* RED1-149-22 R404.7 Remove EV infrastructure Michele DeFrance [not a file in the monograph, now is REPCD1-22]

**ELECTRIC READY & Appendix RE**

* RED1-116-22 R404.5 Electric readiness edits Greg Johnson
* RED1-179-22 RE102.1 All-electric definition update Steven Rosenstock
* RED1-180-22 RE103.1 Electric resistance WH limit Mark Lyles

**ZNE**

* RED1-101-22 R202 Zero net energy performance definition Ted Williams
* RED1-102-22 R202 Zero net energy performance definition Eric Tate

**EV**

* IRCED1-3-22 N1101.6 Automobile parking space ~~Automatic shut-off control~~ Fredric
* RED1-095-22 R202 Electric vehicle definition Adam Berry
* RED1-096-22 R202 EV Code Proposal Ingrid Malmgren

**RECS**

* IRCED1-4-22 N1101.6 Renewable energy certificate Tom Ortiz
* RED1-098-22 R202 Renewable energy certificate Tom Ortiz
* RED1-097-22 PI R202 Renewable energy certificate Fredric Zwerg
* RED1-097-22 PII N1101.6 Renewable energy certificate Fredric Zwerg
* RED1-099-22 R202 Renewable energy certificate Ted Williams
* RED1-100-22 R202 Renewable energy certificate Eric Tate
* RED1-114-22 R404.4 RECs in a minimum code Steven Rosenstock
* RED1-165-22 PI R406.7.3 REC documentation edit Tom Ortiz
* RED1-165-22 PII N1106.7.3 REC documentation edit Tom Ortiz

**SOLAR**

* RED1-363-22 R404.4 Solar zone area Glen Brand
* RED1-091-22 Appendix RP Michael Tillou
* RED1-092-22 R103.2.2 Construction documents solar-ready system
* RED1-093-22 R103.2.2 Solar-ready systems Tom Ortiz
* RED1-094-22 R103.2.2 Solar-system ready Alex Smith  [RED1-11 was approved as modified at Main 2/9; affects this section**]**
* RED1-104-22 R401.3 Solar ready exception Diana Burk
* RED1-105-22 R401.3 Solar ready requirements Adam Berry
* RED1-133-22 R404.6 Add exceptions
* RED1-136-22 R404.6.1 Solar ready zone modifications Adam Berry
* RED1-137-22 R404.6.1.3 Electrical service reserved space for renewables Greg Johnson
* RED1-138-22 R404.6.1.4 Electrical interconnection renewables Greg Johnson
* RED1-139-22 R404.6.1.4 Electrical interconnection renewables Greg Johnson
* RED1-140-22 R404.6.2 Solar ready appendix reference Greg Johnson
* RED1-169-22 RB101 Solar readiness for R-2, R-3, R-4 Greg Johnson

**Appendix RD - Energy Storage**

* RED1-170-22 RD101.1 Update Appendix RD Steven Rosenstock
* RED1-171-22 PI RD102.1 Appendix RD update Fredric Zwerg
* RED1-171-22 PII AU102.1 Appendix AU update Fredric Zwerg
* RED1-172-22 PI RD103.3 Appendix RD update Fredric Zwerg
* RED1-172-22 PII AU103.3 Appendix AU update Fredric Zwerg

**Controls and Lighting**

* RED1-158-22 R404.8 Dwelling unit electrical meter Daniel Carroll
* IRCED1-5-22 N1104.2.2 Specific locations Fredric Zwerg.
* RED1-107-22 R403.10 Roof and gutter deicing controls Nick Thompson
* RED1-108-22 R404.1 Exterior lighting power revision Glenn Heinmiller
* RED1-109-22 R404.1 R404.1 lighting update requirements Steven Rosenstock
* RED1-110-22 R404.1.2 Exterior lighting power revision Glenn Heinmiller
* RED1-111-22 R404.2 Interior lighting control requirements Glenn Heinmiller
* RED1-112-22 R404.3 R404.3 update Greg Johnson
* RED1-113-22 R404.3 Solar outdoor light exception Steven Rosenstock

**R408**

* RED1-166-22 R408.2 Table Whole home lighting control energy credit Michael Jouaneh
* RED1-167-22 R408.2.6 High-efficiency appliance option Jennifer Amann [suggest giving this to Modeling SC since they are hearing similar proposals]
* RED1-168-22 PI R408.2.7 Renewable energy edit Tom Ortiz
* RED1-168-22 PII N1108.2.7 Renewable energy edit Tom Ortiz

7. Upcoming meetings –

* IECC Residential Consensus Committee meeting, March 2, 2023. 2:00 PM Eastern till potentially 5:00 PM Eastern.
* IECC Residential EPLR Subcommittee meeting, March 6, 2023. 2:00 PM Eastern till 5:00 PM Eastern. Anticipated agenda topics are carryover items from 2/17 meeting.

8. Adjourn.

FOR FURTHER INFORMATION BE SURE TO VISIT THE ICC WEBSITE:

[ICC Energy webpage](https://www.iccsafe.org/products-and-services/codes-standards/energy/)

[Code Change Monograph](https://www.iccsafe.org/wp-content/uploads/2021-Public-Input-Complete-Monograph.pdf)

FOR ADDITIONAL INFORMATION, PLEASE CONTACT:

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