



International Energy Conservation Code EPLR Subcommittee

Meeting Minutes

March 20, 2023

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

[Webex Link](#)

Committee Chair: Mike Stone

Committee Vice Chair: Mark Rodriguez

1. Call to order.
2. Meeting Conduct. Staff
 - a. Identification of Representation/Conflict of Interest
 - b. ICC [Council Policy 7](#) Committees: Section 5.1.10 Representation of Interests
 - c. ICC [Code of Ethics](#): 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.
7. Action Items.

Controls and Lighting

RED1-109-22 R404.1 Lighting update requirements Steven Rosenstock

- RED1-330 approved by consensus committee.
- Motion to modify by submitter, modification below.
- Approve as modified, MJ, 2nd MR. (13-0-0)
- The committee felt that the addition of exception #3 provided for lighting fixtures that are unable to achieve the required parameters.

R404.1 Lighting equipment.

All permanently installed luminaires shall be capable of operation with an efficacy of not less than 45 lumens per watt or shall contain lamps capable of operation at 65 lumens per watt or greater.

Exceptions:

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1. appliance lighting.
2. Antimicrobial lighting used for the sole purpose of disinfecting.
3. **Luminaires with a rated electric input of not greater than 3.0 Watts.**

RED1-111-22 R404.2 Interior lighting control requirements Glenn Heinmiller

- Motion to Approve as submitted as modified, MJ, 2nd JC Modifications below. (11-1-1)
- The committee felt that this proposal was mostly editorial but that the addition of language in 404.2.1 provided additional clarity.

R404.2 Interior lighting controls.

All permanently installed luminaires shall be controlled as required in Sections R404.2.1 and R404.2.2.

Exception: Lighting controls shall not be required for safety or security lighting fixtures:

R404.2.1 Habitable spaces.

All permanently installed luminaires in habitable spaces shall be controlled with a **manual** dimmer or **with** an *automatic shut-off control* that automatically turns off lights within 20 minutes after all occupants have left the space and shall a *manual* control to allow occupants to turn the lights on or off.

R404.2.2 Specific locations.

All permanently installed luminaires in garages, unfinished basements, laundry rooms, and utility rooms shall be controlled by an *automatic shut-off control* that automatically turns off lights within 20 minutes after all occupants have left the space and shall a *manual* control to allow occupants to turn the lights on or off.

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RED1-110-22 R404.1.2 Exterior lighting power revision Glenn Heinmiller

- ~~Motion for Disapproval JC, 2nd MR~~
- Motion to approve as modified, AE, 2nd PC, Not accepting the changes to R404.1.2, but are accepting the changes to the table R404.1 (9-1-3)

RED1-112-22 R404.3 Remove reference to IECC-C Greg Johnson

- Proponent asks for a modification, shown below.
- Motion to approve as modified PC, 2nd SH. (13-0-1)
- The committee felt that the requirements in R404 were appropriate for multi-family under the residential code. Modifications to the charging language were approved to provide additional clarity.

R404.3 Exterior lighting controls.

exterior lighting controls controlled from within individual dwelling units shall comply with Section R404.3.1. ~~Controls for all other exterior lighting shall comply with Sections C405.2.7 of the International Energy Conservation Code—Commercial Provisions instead of Section R404.3.1.~~

RED1-113-22 R404.3 Solar outdoor light exception Steven Rosenstock

- Motion to disapprove, MJ, 2nd MC (9-1-4)
- The committee felt that the current provisions of the code allow for fixtures not connected to the building electrical service to be excepted from these requirements.

10 min break, return at 12:34PST

Move to after 330PM - RED1-158-22 R404.8 Dwelling unit electrical meter reqt for Group R-2 Daniel Carroll

RED1-107-22 R403.10 Edit Roof and gutter deicing controls Nick Thompson

- Motion to approve as ~~submitted~~ modified, MR, 2nd JM (13-0-0)
- The committee felt that the changes to the charging language were not needed. However, the edit to item #2 provided better clarity without reducing options.
- **R403.10 Roof and gutter deicing controls.**
- Roof and gutter deicing systems, including but not limited to self-regulating cable, shall include automatic controls ~~that are~~ configured to shut off the system when the outdoor temperature is above 40°F (4.8°C) maximum and ~~that shall~~ include one of the following:
 1. A moisture sensor configured to shut off the system in the absence of moisture, or
 2. ~~A programmable timer configured to shut off the system for 8 hours minimum at night.~~ A daylight sensor or other means configured to shut off the system between sunset and sunrise.

Appendix RD Energy Storage

RED1-170-22 RD101.1 Appendix RD update Steven Rosenstock

- Motion for Disapproval, JC, 2nd MR (12-0-0)
- The committee felt that the proposal added several concepts that are not recommended or helpful to the PV industry.

RED1-171-22 Part I PI RD102.1 Appendix RD update Fredric Zwerg

RED1-171-22 Part II AU102.1 Appendix AU update Fredric Zwerg

- Motion for disapproval Red1-171-22 part I and II, JC, 2nd MJ (12-0-1)
- The struck-out phrase provides clarity.

RED1-172-22 Part I RD103.3 Appendix RD update Fredric Zwerg

RED1-172-22 Part II AU103.3 Appendix AU update Fredric Zwerg

- Motion to disapprove RED1-172-22 Parts I and II, AE, 2nd PC. (12-0-0)
- The section prior to this one calls for ESS installed, so these changes are not needed to provide clarity.

R408

RED1-166-22 R408.2 Add Whole home lighting control energy credit Michael Jouaneh

- Motion to approve as modified RED1-166-22 to change the table to edit "TBD" to (1) (9-2-2)
- The committee approved the changes with edits to the table to ensure that some values were added.

RED1-168-22 Part I R408.2.7 Add "electrical" before "Renewable" Tom Ortiz

RED1-168-22 Part II N1108.2.7 Add "electrical" after "Renewable" Tom Ortiz

- Motion to disapprove as submitted RED1-168-22 Parts I and II, AE, 2nd MR (10-3-0)
- The committee felt that the change was not necessary and that other renewable options are available unfed the current language.

Controls and Lighting

RED1-158-22 R404.8 Dwelling unit electrical meter reqt for Group R-2 Daniel Carroll

- Motion to disapprove as submitted RED1-158-22, SH, 2nd AM (7-3-3)
 - This proposal has a significant cost increase.

End of meeting, Roll the following to top of the order, next meeting.

Appendix RP – hoping to discuss and table to resolve issues for the next meeting

- RED1-91-22 Renewable Energy Appendix Michael Tillou
- RECD1-4 Solar Ready

Still left to hear:

- RED1-140-22
- RED1-169-22

9. Other business.

11. Upcoming meetings

3/23/23 Residential Consensus Committee meeting

12. Adjourn.

FOR FURTHER INFORMATION BE SURE TO VISIT THE ICC WEBSITE:

[ICC Energy webpage](#)

[Code Change Monograph](#)

FOR ADDITIONAL INFORMATION, PLEASE CONTACT:

Subcommittee Chair

Mike Stone

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