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**International Energy Conservation Code**

**Electric Power, Lighting, and Renewables (PLR) Subcommittee**

**Meeting Agenda**

Jan. 23, 2023

11:00 AM EST to 2:00 PM EST (3-hours)

[Webex Link](https://iccsafe.webex.com/iccsafe/j.php?MTID=m7a8b6022f0ae458d29c4adb40c95d0c6)

**Committee Chair:** Michael Jouaneh ([mjouaneh@lutron.com](mailto:mjouaneh@lutron.com)); **Committee Vice Chair:** Jack Bailey ([jbailey@oneluxstudio.com](mailto:jbailey@oneluxstudio.com)); **Note Taker:** Michael Myer ([Michael.myer@pnnl.gov](mailto:Michael.myer@pnnl.gov))

1. Call to order – Jouaneh **[start 11:02 am]**

2. Roll Call – Bailey (11 SC voting members needed for quorum)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **First Name** | **Last Name** | **Category** | **Company** |
|  | Ali | Alaswadi\* | Gov. Regulator | DC |
| **X** | **Jack** | **Bailey\*** | **User** | **One Lux Studio/Int'l Assoc. of Lighting Designers** |
| X | Bernard | Bauer | User | Integrated Lighting Concepts |
| X | Payam | Bozorgchami | Gov. Regulator | CA Energy Comm |
| X | Joe | Cain | Manufacturer | Solar Industries Assoc |
| X | Nick | Ferzacca | User | IMEG Corp. |
| X | Anthony | Floyd\* | Gov. Regulator | City of Scottsdale |
| X | Glenn | Heinmiller | User | Lam Partners/Int'l Assoc. of Lighting Designers |
| X | Bryan | Holland\* | Standards Promulgator | NEMA |
| X | Harold | Jepsen | Manufacturer | Legrand |
| **X** | **Michael** | **Jouaneh\*** | **Manufacturer** | **Lutron** |
| X | Joyce | Kelly | User | GLHN Architects & Engineers |
| X | Andrew | Klein\* | Consumer | BOMA |
| X | Mark | Lien | Standards Promulgator | IES |
| X | Jon | McHugh | Gov. Regulator | McHugh Energy |
| X | Hope | Medina\* | Gov. Regulator | Cherry Hills Village |
|  | Melissa | Moseley\* | User | HDR/American Society of Interior Designers |
| X | Susan | Musngi\* | Consumer | Camden |
|  | **Michael** | **Myer** | **Consultant** | **PNNL** |
| X | Steven | Rosenstock\* | Utility | Edison Electric Institute |
| X | Wayne | Stoppelmoor | Manufacturer | Schneider Electric |
|  | Mitchell | Tolbert | Gov. Regulator | City of Austin |
| X | Michael | Turns | Utility | MA Program Administrator |

\*denotes member of EC4 consensus committee

3. Introduction of any guests -- Bailey (name/representation type into chat)

GUESTS ENTERED INTO CHAT

4. Review/approve agenda – Jouaneh

5. Meeting conduct -- Jouaneh

6. Review key actions from last meeting and approve minutes – Jouaneh **[end by 11:10 am]**

**Approved by Steve R & Bryan H seconded**

7. Update on process/schedule – Jouaneh/Bailey

Discussion of whether this committee should review biomass proposals Vote was 1 for, 10 opposed and 3 abstentions

**ORDER CHANGED ON WHAT WE ARE VOTING ON (Below)**

8. New business. **[end by 1:50 pm]**

**Sleeping units (3)**

|  |  |  |  |
| --- | --- | --- | --- |
| CED1-009-22 | C405 | Sleeping units lighting | Michael Myer |
| CED1-026-22 | C405.1 | Sleeping unit and dwelling unit requirements | Glenn Heinmiller |
| CED1-027-22 | C405.1 | Sleeping unit control requirements | Jack Bailey |

CED1-026-22 Sleeping unit and dwelling unit requirements

Glenn Heinmiller presented his proposal which included language to address

Motion for approval as modified:

1st – Harold Jepsen

2nd – Bryan Holland

Vote: 11 – 0 – 3

Reason Statement: Provides clarity for efficiency and enforcement

CED1-009-22 Sleeping unit lighting

Motion to table

1st – Payam

2nd – Jon McHugh

Vote: 9 – 1 – 0

CED1-027-22 Sleeping unit control requirements

Jack Bailey re

Motion to approve as modify

1st – Jack Bailey

2nd – Bryan Holland

Vote: 9 – 0 - 3

Reason Statement: Improves efficiency while providing reasonable exceptions for some sleeping units to not install occupant sensors

**Parking garage (2)**

|  |  |  |  |
| --- | --- | --- | --- |
| CED1-066-22 | C405.2 | Parking garage controls | Jack Bailey |
| CED1-074-22 | C405.3.1 | Parking garage daylight transition zones | Jack Bailey |

CED1-066-22 Modification proposed by Jack Bailey (adding definitions)

Wordsmithing ensued.

Straw Poll: Table and PLR reconcile

9-0-6

Working Group members: Harold, Jon, Nick, Michael Myer, Jack Bailey (Jack to lead).

Motion: Table until February 23rd meeting

1st – Jack Bailey

2nd – Harold Jepsen

Vote: 9-1-4

CED1-074-22 Parking Garage Daylight Transition Zone (adding definitions)

Proposed to make exception rather than a fixed value in the space-by-space table

Motion to disapprove:

1st – Harold Jepsen

2nd – Bryan Holland

Vote: 7 – 5 – 2

Reason Statement: Creates a potential rollback in stringency by creating an exception and removing a stated lighting power density for this space type

**Exterior lighting scope (2)**

|  |  |  |  |
| --- | --- | --- | --- |
| CED1-065-22 | C405.2 | Exterior lighting scope expansion | Bryan Holland |
|  |  |  |  |
| CED1-068-22 | C405.2 | Lighting controls update in scope | Jonathan McHugh |
|  |  |  |  |

CED1-065-22

Bryan Holland spoke on behalf of this for NEMA. A discussion ensued about modifications to this proposal. Steve R. made a motion to approve as modified and Anthony seconded. Vote was 10 in favor, 2 opposed, 1 abstention and chair not voting.

Reason statement – “this improves the language of the section by addressing situations where third party lighting is installed. It also addresses lighting at the building site that is controlled by the building owner.”

CED1-068-22

Jon M. made motion to table this and Bryan H. Seconded until after CED1-065 is heard by E4C. Vote was 12-2-0 with chair not voting.

**Functional testing (1)**

|  |  |  |  |
| --- | --- | --- | --- |
| CED1-084-22 | C408.3 | Functional testing of controlled receptacles | Michael Jouaneh |

CED1-84. Michael proposed modification to CED1 84-22 adding automatically controlled receptacles to functional testing requirements. The modifications clarify testing and sampling controlled by time switch instead of testing every space. Harold made motion to approve as modified. Bryan seconded. Vote was 13 in favor, none opposed and chair abstaining. Reason statement: “Verifying efficiency through functional testing of controlled receptacles.”

**Motors (1)**

|  |  |  |  |
| --- | --- | --- | --- |
| CED1-077-22 | C405.8 | Definite purpose machine exceptions | Bryan Holland |

CED1-077-22

Bryan Holland explained it

Motion to approve as modified

1st – Steve Rosenstock

2nd – Bryan Holland

Vote: 12 – 0 – 0

Reason Statement: This change ensures that the code is consistent with federal energy efficiency requirements and exceptions for motors.

**Data centers (2)**

|  |  |  |  |
| --- | --- | --- | --- |
| CED1-078-22 | C405.9 | UPS Efficiency resubmittal | Nicholas O'Neil |
| CED1-079-22 | C405.9 | Computer room UPS | Bryan Holland |

CED1-078 and 79-22

Data center proposal were not discussed as time ran out for the meeting.

9. Other business – Jouaneh **[end by 1:59 pm]**

* [Teams site](https://teams.microsoft.com/l/team/19%3aKMleRbAtrEAu1N0HzdWt_R8FCMc_WjlV58mrFRjV8fA1%40thread.tacv2/conversations?groupId=edefc94e-e6ed-4695-a40b-c7af90c71fd8&tenantId=173eec12-7e3d-46d0-b83f-5a74246b3037)

10. Future meeting(s): **Feb. 10, 2023, 11 am – 2 pm ET**

10. Adjourn **[2:00 pm]**

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:

Subcommittee Chair

