



International Energy Conservation Code Electric Power, Lighting, and Renewables (PLR) Subcommittee

Meeting Agenda

March 24, 2023

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

[Webex Link](#)

Committee Chair: Michael Jouaneh (mjouaneh@lutron.com); **Committee Vice Chair:** Jack Bailey (jbailey@oneluxstudio.com); **Note Taker:** Michael Myer (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
X	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
	Nick	Ferzacca	User	IMEG Corp.
	Anthony	Floyd*	Gov. Regulator	City of Scottsdale
	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
	Joyce	Kelly	User	GLHN Architects & Engineers
	Andrew	Klein*	Consumer	BOMA
X	Mark	Lien	Standards Promulgator	IES
X	Jon	McHugh	Gov. Regulator	McHugh Energy
	Hope	Medina*	Gov. Regulator	Cherry Hills Village
	Melissa	Moseley*	User	HDR/American Society of Interior Designers
	Susan	Musngi*	Consumer	Camden
X	Michael	Myer	Consultant	PNNL
	Steven	Rosenstock*	Utility	Edison Electric Institute
X	Wayne	Stoppelmoor	Manufacturer	Schneider Electric
	Mitchell	Tolbert	Gov. Regulator	City of Austin
	Michael	Turns	Utility	MA Program Administrator

*denotes member of EC4 consensus committee

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

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4. Review/approve agenda – Jouaneh

Motion to approve:

1st – Harold Jepsen

2nd – Mark Lien

Discussion: CED1-153 already

Request for objections

Agenda approved

Motion CED1-14; CED1-15 to review by PLR

1st – Joe Cain

2nd – Harold Jepsen

Vote: 7 yes | 3 no | 3 abstain | chair not voting

Motion carries

New Business:

- HVAV+ R heard 2 proposals this week on building electrification. CED1-14 and 15. HVAC Disapproved electrification proposal for appendix CED1-15. And CED1-14 has been tabled by HVAC until April 6, 2023. PLR will hear these proposals on March 31, 2023. And Jon M. will draft committee proposal for exit stair controls.

5. Meeting conduct -- Jouaneh

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

Motion to approve:

1st Joe Cain

2nd – Bryan Holland

7. Update on process/schedule – Jouaneh/Bailey

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

Renewable Energy (2)

CED1-010-22	C407.3.2	On site renewable - additional documents	Bruce Swiecicki
CED1-011-22	C409.6.1.9	On site renewable - modelling	Bruce Swiecicki

CED1-010 & 011:

- Attempts to broaden renewables
- NEMA spoke against the proposal
- Jon McHugh spoke against citing Std. 90.1 and California examples
- Motion to disapprove CED1-010 and 011:
 - 1st – Bryan Holland
 - 2nd – Payam
 - Vote: 12 yes | 1 no | 0 abstain | Chair not voting
 - Rationale: "On-site renewable energy" is a defined term. A cost-benefit analysis has not been provided indicating the cost effectiveness if "on-site" were to be removed. This vote aligns with the Admin SC on CED1-10 and CED1-11.

Misc. Lighting (7)

-	C405	Exit Stair LPD	Committee Proposal
-	C405	Remove Casino Gaming Exemption	Committee Proposal
-	C405	Replacement for CED1-026-22	Committee Proposal
-	C405	Timeswitch programming	Jon McHugh
CED1-068-22	C405.2	Lighting controls update in scope	Jonathan McHugh
CED1-066-22	C405.2	Parking garage controls	Jack Bailey
CED1-009-22	C405	Sleeping units lighting	Michael Myer

Exit Stair (CECD1-20-22)

- IBC2021 required 10 fc minimum
- This exempts the lighting for the stairway lighting
- Discussion ensued
- Motion to table
 - 1st – Jon McHugh
 - 2nd – Payam
 - Vote: 4 yes | 8 no | 1 abstain
- Motion to approve as submitted :
 - 1st – Jon McHugh
 - 2nd – Bernie Baurer
 - Vote: 11 yes | 1 no | 1 abstain | Chair not voting
 - Reason: This addresses changes to Section 1008.2.1 of the IBC which requires higher illuminances exit access stairways, exit stairways and at their required landings.

Casino Gaming Exemption (CECD1-24-22)

- IECC includes this space
- Motion for approval:
 - 1st Jon McHugh
 - 2nd Bryan Holland
 - Vote: 12 yes | 0 no | 0 abstain | Chair not voting
 - Reason: This proposal removes an exception for a space category that has been added to the lighting power allowance table.

CECD1-21-22 (replacement for CED1-26)

- Proposal had not been shared with E4C
- Motion for approval:
 - 1st Jon McHugh
 - 2nd Bryan Holland
 - Vote: 12 yes | 0 no | 0 abstain | chair not voting
 - Reason: The proposals restructures the code for clarity of requirements for dwelling units and sleeping units.

CED1-09-22

- Proposal had not been shared with E4C
- Discussion of sleeping units

- Motion as modified:
 - 1st – Jon McHugh
 - 2nd – Bryan Holland
 - Vote: 10 yes | 0 no | 1 abstain | Chair not voting
 - Reason: The proposal accommodates the specific lighting needs of patient rooms.

CECD1-22-22 Timeswitch Programming

- Addresses commissioning issues related to compliance issues with time-switch controls
- Motion to approve as modified
 - 1st – Harold Jepsen
 - 2nd – Jon McHugh
 - Vote: 112 yes | 0 no | 0 abstain | chair not voting
 - Reason: This proposal will address the issue of programming time clock controls when a schedule is not known

CECD1-023-22 Parking Garage Controls

- Proposal cleans up language
- Motion to approve as modified:
 - 1st Jon McHugh
 - 2nd –
 - Vote: 13 yes | 0 no | 0 abstain | Chair not voting
 - Reason: This proposal would clarify what areas are covered by parking garage lighting versus exterior lighting for controls and lighting power requirements

CED1-066 and 68 Withdrawn

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

- Align with 90.4
- Motion to approve as modified:
 - 1st Bryan Holland
 - 2nd – Harold Jepsen
 - Vote: 10 yes | 0 no | 1 abstain | chair not voting
 - Reason: This code change proposal aligns the efficiency requirements for UPS installed in computer rooms with the efficiency requirements for this same equipment installed in data centers. This will reduce the energy consumption of UPS in computer rooms while improving the overall energy efficiency of the occupancy.

CED1 – 079: Withdrawn

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

- [Teams site](#)

10. Future meeting(s):

- **Friday, March 31, 2023, 11 am – 2 pm ET (if needed)**

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

FOR FURTHER INFORMATION BE SURE TO VISIT THE ICC WEBSITE:

[ICC Energy webpage](#)

[Code Change Monograph](#)

FOR ADDITIONAL INFORMATION, PLEASE CONTACT:

Subcommittee Chair



Chat.txt



E4C PLR SC
03-24-2023 FINAL.pp