



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

Meeting Minutes

April 11, 2022

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
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
	Bryan	Holland*	Standards Promulgator	NEMA
X	Harold	Jepsen	Manufacturer	Legrand
X	Michael	Jouaneh*	Manufacturer	Lutron
X	Joyce	Kelly	User	GLHN Arch
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
X	Melissa	Moseley*	User	HDR/American Society of Interior Designers
	Susan	Musngi*	Consumer	Camden
X	Michael	Myer	Consultant	PNNL
X	Steven	Rosenstock*	Utility	Edison Electric Institute
X	Wayne	Stoppelmoor	Manufacturer	Schneider Electric
x	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:

- Mike Tillou – PNNL
- Melissa Goren – MG Engineering
- Julie Donovan – ASHRAE 90.1 / Lighting Subcommittee
- Renee Lanai – American Public Gas Association
- Marty Salzberg – ASHRAE 90.1 / Lighting Subcommittee
- Kevin Rose – NEEA
- Kim Cheslak – NBI
- Mike Kennedy – NEEA
- Jim Early – Edison Electric Institute
- Greg Johnson – National Multifamily Housing Council
- Amanda Hickman – Hickman Group

4. Review/approve agenda – Jouaneh

Revote on agenda

1st – Hope

2nd – Jon McHugh

5. Meeting conduct -- Jouaneh

- [Antitrust](#) Reminder
- Identification of Representation / Conflict of Interest ([CP#7](#) Section 5.1.10)
- [Code of Ethics](#)

6. Review key actions from last meeting and approve minutes – Jouaneh

- Motion to approve
- 1st Anthony
- 2nd Harold
- No issues with the meeting minutes

7. New business.

- Proposal grouping update – Bailey **[end by 11:10 am]**
- Discuss proposal(s): -- Jouaneh **[end by 1:55 pm]**

CEPI-179-21

- EEI – question about if values were aligned with ASHRAE 90.1; questions about highlighted file
- IES – In support of matching ASHARE 90.1 values
- IALD – In support of matching ASHRAE 90.1 values
- Marty Salzberg – In support of matching ASHRAE 90.1 values
- Nick Ferzacca – In support of aligning the values with ASHARE 90.1 values

- Motion to approve CEPI-179-21 as modified
- 1st Harold
- 2nd Jon McHugh
- Vote: 14 yes | 1 no | 1 abstain
- Reason statement: Provides appropriate lighting power reduction possible by LED efficacy improvements and consistent with ANSI/ASHRAE/IES Standard 90.1-2022 values.
- Overlap issue CEPI-135-1 was approved and has to be reconciled with 179. 135 removed some spaces that 179 now adds spaces back into the table.

CEPI-178-21

- Proponent presented rationale for proposed changes per row
- Electrical / mechanical rooms
 - Concerns about egress lighting
 - Concerns about duct work and other obstructions
- Motion to Table for 2 weeks
 - 1st Jon
 - 2nd Harold
 - Vote: 5 yes | 9 no | 5 abstain - fails
- Motion to approve as modified
 - 1st Jon
 - 2nd Mitchell
 - Vote: 5 yes | 10 no | 4 abstain - fails
- Motion to disapprove
 - 1st Steve
 - 2nd Hope
 - Vote: 11 yes | 3 no | 5 abstains
 - Reason Statement: In favor of action taken on CEPI-179 that aligns the IECC values with ANSI/ASHRAE/ASHRAE Standard 90.1-2022.

CEPI-183-21

- IALD supports as these values ASHRAE/IES
- Modification to proposal presented. The IP proposal should be 1000 W base adder, the proposal shifts to 750 W to map
- Motion to accept as modified:
 - 1st Steve Rosenstock
 - 2nd Mark Lien
 - Vote: 16 yes | 0 no | 1 abstain
 - Reason: This will save energy in retail spaces and align with values in ANSI/ASHRAE/IES 90.1-2022.

CEPI-184-21

- Modified proposal to not include proposal #1
- Discussion of decorative lighting allowance
- Language included to limit the tradability of the allowance
- Motion to adopt items #2 and #3 of proposal (as modified)
 - 1st – Jon McHugh
 - 2nd – Bernie Baurer
 - Vote: 10 yes | 6 no | 3 abstain – Motion passes

- Reason Statement: This proposal will reduce initial cost and over the life of the system provide sufficient decorative lighting power to provide for develop effective lighting designs while mitigating energy waste.
- CEPI-182
 - Discussion of a proposal
 - Request to modify rejected
 - Motion to disapprove
 - 1st – Jon McHugh
 - 2nd – Anthony
 - Vote: 7 yes | 9 no | 4 abstain
 - Motion as submitted:
 - 1st – Steve Rosenstock
 - 2nd – Mark Lien
 - Vote: 7 yes | 6 no | 5 abstain
 - Reason Statement: Proposal is close to the ANSI/ASHRAE/IES Standard 90.1 decorative allowance **[ran out of time so this is proposed reason statement that PLR still needs to approve]**

Number	Interior Lighting Power (7)
CEPI-179-21	LPD Table Revisions
CEPI-178-21	LPD Table Revisions
CEPI-183-21	Retail Lighting
CEPI-184-21	Retail Lighting
CEPI-182-21	Decorative Lighting
CEPI-180-21	LPD Additional Power Allowances
CEPI-177-21	LP exceptions
	[end by 12:40 pm]

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CEPI-183-21	Retail Lighting

CEPI-184-21	Retail Lighting
CEPI-182-21	Decorative Lighting
CEPI-180-21	LPD Additional Power Allowances
CEPI-177-21	LP exceptions
	[end by 12:40 pm]
Number	Metering and Monitoring (4)
CEPI-138-21	Building Size for Required Metering
CEPI-139-21	Building Size for Required Metering
CEPI-141-21	Metering of Plug Loads
CEPI-140-21	Metering of EV Charging
	[end by 1:20 pm]
Number	Standalone Proposals (1)
CEPI-168-21	Specific Application Controls
	[end by 1:30 pm]
Number	Exterior Lighting Power (7)
CEPI-173-21	Parking Lot Controls
CEPI-174-21	Parking Lot Controls
CEPI-171-21	Building or Business Closing
CEPI-172-21	Building or Business Closing
CEPI-189-21	LPD Table Revisions
CEPI-170-21	Parking Lot Controls + LPD Table Revisions
CEPI-190-21	LPD for narrow walkways

[end by 1:55 pm]

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

- [Teams site](#)
- Withdrawals: CEPI 151, 155, 158, 159, 160, 201, 258
- Proposals for PNNL cost effective analysis: CEPI 162/164, 176
- CEPI 193 (energy efficiency credits) WG meeting

9. Future meeting: 11:00 am – 2:00 pm ET on April 25, 2022

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