



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

Meeting Agenda

Oct. 10, 2022

11:00 AM EST to 1:00 PM EST (2 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
	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
	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
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 Architects & Engineers
X	Andrew	Klein*	Consumer	BOMA
	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
	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)

4. Review/approve agenda – Jouaneh

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 **[end by 11:10 am]**

- Exit Stair lighting
 - Interpretation request by Jon McHugh to the International Building Code requesting verification of where the 10 fc values should be stated
- **Minutes**
 - Moved: Steve Rosenstock; Seconded by Andrew Klein
 - Approved

7. Update on process/schedule

8. New business.

General

- Kristopher Stenger stated that committees can generate proposals any time and across sections

C406.2.5.6 L06 Reduced Lighting Power

- Discussion about the use of the term “net interior lighting power allowance”
- PNNL: Consistency between 90.1 & IECC related to “net power”
- Straw poll: Should the “additional lighting power allowance” be included in the credit?
 - No strong opinions either way
- Concerns about color tuning sources / fixtures
- Modification of com check

Q01 Efficient Elevator

- Steve Rosenstock to review

R01 Renewable Energy

- Nothing to report at this time

G01 Lighting Load Management

- Concerns about the exception
- Desire to shift from kW to area
- Possible change related to “peak period”
- New construction versus alterations?
- 406.3.2 Open ADR
- Discussion of reduction from nominal load

G03 Automatic Shading

- Review of credit
- Discussion of solar control
- Change to “or”
- Will be submitted as a public comment

G04 Electric Energy Storage

- Joe Cain has not reviewed it yet

P01 energy

- No changes from PLR comment

Lighting Controls and Dimming

- Removed digital from requirement
- Digital lighting has not been shown to be cost effective
- Requires high-end trim

Other Business:

Joe Cain –Link shared with PLR as information. SEHPCAC is asking ICC to clarify if renewables, EV, greenhouse gas reduction is to be in optional appendix or if permitted in the main body of the code. <https://www.iccsafe.org/wp-content/uploads/MEMO-to-BOD-on-IECC-Intent-SEHPCAC.pdf>

PLR Summer Items – Teams [link](#) for latest info. [end by 12:50 pm]

PLR SUMMER SESSION											
Number	Topic	Summary	Advocate	PLR Vote	Working Group	Likely Outcome	11-Jul-22	8-Aug-22	12-Sep-22	10-Oct-22	14-Nov-22
1	Lighting and control alterations	CEPI-230 & 231 – Lighting & Control Alterations: This section is quite unclear. The rewrite proposals have good merit and it was felt consensus could be reached with more discussion and time.	Harold Jepsen	YES	JB, HU, JM, MT, AK, AA, MJ	Likely Committee Proposal	X	X			
2	HE Lighting for Residential Range Hoods and Fans	New proposal to require HE lighting in residential applications for range hoods, bathroom ventilation fans, and ceiling fans.	Jack Bailey	YES	HJ, JB, JM	Likely Individual Proponent	X	X			
3	EV Charging	New proposal to require installation of “fast charge” EV at new fuel dispensing stations. Maybe include hotels or other building types too. One-for-one?	Jack Bailey	YES	JB, PB, JM, ...	Likely Committee Proposal	X	X			
4	A Exit Stair Lighting	2021 IBC / IFC requires 10 times more light in exit stairs than 2018. PLR should propose to reset this to 2018 levels in a proposal for IBC 2027.	Jack Bailey	YES	JB, JM, NF, AA, MM, MT, GH	Committee Proposal - Not Time Critical			X		
4	B Egress Lighting Controls	PLR could propose other modifications to IBC / IFC 2027 to make it easier for egress lighting to be switched off, or to reduce required egress light levels.	Jack Bailey	YES	JB, JM, NF, AA, MM, MT, MJ	Committee Proposal - Not Time Critical			X		
5	Renewable Power / Energy Storage	Continue the development of mandatory/permissive requirement for onsite renewable power sources and energy storage systems. CEPI-7 and CECPI-2	Joe Cain	YES	BH, JC, JM, WS, MT, NF	Likely Individual Proponent	X	X			
6	Power Outage	Some capacity to utilize rooftop solar during power outages. Requires a transfer switch, either automatic, or manual with some kind of instruction placard on the wall, to serve some limited circuits. Perhaps this is connected with a battery storage or battery-ready provision. And then some identification in the building for which receptacles will function on solar power during outages.	Duane Jonlin	YES	NF/DJ, WS, JM, JC, PB, JB	Likely Committee Proposal	X	X			
7	A CEPI-193	CEPI - 193 Charging Language for Lighting (complying with IES recommended illuminance levels).	Chair		GH				X		
7	B CEPI-193	CEPI -193 Credit P01 Energy Monitoring	Chair		WS, SR, JK, HJ				X		
7	C CEPI-193	CEPI -193 Credit L01 Lighting Performance	Chair		MJ, JB, JM	Delete this placeholder section			X		
7	D CEPI-193	CEPI -193 Credit L02 Lighting Dimming and Tuning	Chair		JB, MJ, JM, HJ				X		
7	E CEPI-193	CEPI -193 Credit L03 Increase Occupancy Sensors	Chair		HJ, JB, GH, JK, JM				X		
7	F CEPI-193	CEPI -193 Credit L04 Increase Daylight Area	Chair		JM, HJ, JB				X		
7	G CEPI-193	CEPI -193 Credit L05 Residential Lighting Control	Chair		BH, MJ, GH, HJ				X		
7	H CEPI-193	CEPI -193 Credit L06 Light Power Reduction	Chair		GH, JM					X	
7	I CEPI-193	CEPI -193 Credit O01 Efficient Elevator	Chair		SR, JM, Jeff Boldt					X	
7	J CEPI-193	CEPI -193 Credit R01 Renewable Energy	Chair		JC, MT, JM, WS, PB					X	
7	K CEPI-193	CEPI -193 Credit G01 Lighting Load Management	Chair		MJ, JM, HJ, JK					X	
7	L CEPI-193	CEPI -193 Credit G03 Automated Shading	Chair		MJ, JB, JM, HJ					X	
7	M CEPI-193	CEPI -193 Credit G04 Electric Energy Storage	Chair		JC, MT, PB, JM, WS					X	

8. Other business – Jouaneh [end by 12:59 pm]

- [Teams site](#)
- Future meetings
- Other?

9. Future meeting: **11:00 am – 1:00 pm ET on Monday Nov. 14, 2022**

10. Adjourn [**1:00 pm**]

FOR FURTHER INFORMATION BE SURE TO VISIT THE ICC WEBSITE:

[ICC Energy webpage](#)

[Code Change Monograph](#)

FOR ADDITIONAL INFORMATION, PLEASE CONTACT:

Subcommittee Chair



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