



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

Meeting Agenda

June 13, 2022

11:00 AM EST to 2:00 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
	Jack	Bailey*	User	One Lux Studio/Int'l Assoc. of Lighting Designers
	Bernard	Bauer	User	Integrated Lighting Concepts
	Payam	Bozorgchami	Gov. Regulator	CA Energy Comm
	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
	Bryan	Holland*	Standards Promulgator	NEMA
	Harold	Jepsen	Manufacturer	Legrand
	Michael	Jouaneh*	Manufacturer	Lutron
	Joyce	Kelly	User	GLHN Architects & Engineers
	Andrew	Klein*	Consumer	BOMA
	Mark	Lien	Standards Promulgator	IES
	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
	Michael	Myer	Consultant	PNNL
	Steven	Rosenstock*	Utility	Edison Electric Institute
	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)

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]**

7. New business.

- PLR Summer Items – Teams [link](#) for latest info.

PLR SUMMER SESSION						
Number	Topic	Summary	Proposed By	PLR Vote	Working Group	Process / Recommendation from PLR
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		HJ, JB, ?
2	A	Kitchen appliance and microbial lighting exemption	CEPI-137 – Kitchen appliance and microbial lighting exemption: I might need to look at this one more, but believe this might have given away some things we should not have since the proposal had a number of changes.	Harold Jepsen		HJ, JB, ?
2	B	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		HJ, JB, ?
3		Applicability of code to lighting not related to structures	New proposal to bring lighting not associated with a structure, like parking lots, parks, etc., under the coverage of the code. A lot of debate about this in the past, but believe leaving lighting in these outside the scope of the EE code is detrimental.	Harold Jepsen		HJ, ?
4		Decorative Lighting Allowance and Dark Skies	I am very interested in finding a way to lower decorative lighting allowances to thwart the use of light output as an attractant or "moths to the flame" marketing strategy. Beyond reducing energy waste, this would help protect visual access to dark skies for the public and Astronomers.	Joyce Kelly		JK, ?
5		EV Charging	New proposal to require installation of "fast charge" EV at new fuel dispensing stations. One-for-one?	Jack Bailey		JB, ?
6		Auto-DR	CEPI-176 1. PNNL Cost effectiveness to determine appropriate scope (pending). 2. Re-write to avoid unnecessary calculations when determining compliance.	Jack Bailey		MJ, JB, ?
7		Hotel Room Lighting Controls	CEPI-169 1. What is the cost of these controls? What is the appropriate scope based on cost / benefit? 2. Proposal that was passed applies to guest rooms but exempts suites. 3. Proposal that was passed cannot be enforced for plug-in lights. Propose mandatory switched receptacles.	Jack Bailey		MJ, JB, ?
8	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		JB, ?

8	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		JB, ?	
8	C	Exit Stair Lighting	New proposal to modify stair lighting LPD or provide allowance / exception to allow compliance with 2021 IBC / IFC. Should include OS setback.	Jack Bailey		JB, ?	
9		Parking Daylight Transition Zone	New proposal to eliminate the allowance from the LPD table and provide an exception.	Jack Bailey		JB, ?	
10	A	CEPI-193	CEPI -193 Credit P01 Energy Monitoring	Chair		WS, SR, ?	
10	B	CEPI-193	CEPI -193 Credit L01 Lighting Performance	Chair			Delete
10	C	CEPI-193	CEPI -193 Credit L02 Lighting Dimming and Tuning	Chair		JB, MJ, ?	
10	D	CEPI-193	CEPI -193 Credit L03 Increase Occupancy Sensors	Chair		HJ, ?	
10	E	CEPI-193	CEPI -193 Credit L04 Increase Daylight Area	Chair		JM, ?	
10	F	CEPI-193	CEPI -193 Credit L05 Residential Lighting Control	Chair		BH, ?	
10	G	CEPI-193	CEPI -193 Credit L06 Light Power Reduction	Chair		GH, ?	
10	H	CEPI-193	CEPI -193 Credit Q01 Efficient Elevator	Chair		SR, ?	
10	I	CEPI-193	CEPI -193 Credit R01 Renewable Energy	Chair		JC, ?	
10	J	CEPI-193	CEPI -193 Credit G01 Lighting Load Management	Chair		MJ, ?	
10	K	CEPI-193	CEPI -193 Credit G03 Automated Shading	Chair		MJ, ?	
10	L	CEPI-193	CEPI -193 Credit G04 Electric Energy Storage	Chair		JC, ?	
10	M	CEPI-193	Review feasibility of credits and make recommendation to modelling committee about number of credits that can be required.	Chair		JB, ?	
10	N	CEPI-193	Make recommendation to modelling committee about general issues of applicability including to existing buildings.	Chair		JB, ?	
11		Residential PLR Topics	Residential correlation committee to look at consistency between PLR topics in the residential and commercial sections of IECC.	Bryan Holland		BH, ?	
12		UPS Efficiencies and Data Centers	NEMA to work with NEEA on data centers + UPS efficiencies	Bryan Holland		BH, ?	
13		Renewable Power / Energy Storage	Continue the develop of mandatory/permissive requirement for onsite renewable power sources and energy storage systems.	Bryan Holland		BH, JC, ?	
14		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		NF, ?	
15		DRC wattage threshold	DRC wattage threshold cost effective analysis	Jack Bailey		JB, MM, JM, ?	

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

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

9. Future meeting: TBD. Propose 11:00 am – 1:00 pm ET on Friday July 11, 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