



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

Meeting Agenda

Feb. 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
	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
	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
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
	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)

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- Diana Burk, NBI
- Don Chandler AES Engineering
- Jim Earley, Edison Electric Institute
- Vanessa Warheit, EV Charging for All Coalition, Plug In America
- Andrew Klein, representing BOMA International
- Katherine Cunningham, The Ad Hoc Group
- Rick Tempchin--Alliance for Transportation Electrification
- Emily Kelly - ChargePoint

4. Review/approve agenda – Jouaneh Motion by Steve R. Second by Bryan H.

5. Meeting conduct -- Jouaneh

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

Minutes Approved

7. Update on process/schedule – Jouaneh/Bailey

Joe Cain motioned to hear an Admin committee proposal on renewable energy and biomass not shown on today’s agenda. Jon McHugh seconded. Michael clarified that it would not be voted on today though as there is no time on the agenda today. Steve R. pointed out that it will be voted on March 6th in full committee and people can speak up then. Vote was nine in favor, six opposed and Chair not voting (no abstentions).

Michael noted that we will likely need another meeting to complete our work especially by adding this proposal ([CECD1-10-22](#))

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

EV (6)

CED1-042-22	C405.14.1	<p>EV Scope</p> <p>Jon McHugh spoke in support. Steve R. made a motion to disapprove, and Bryan H. seconded. Modifications were proposed. Vote is ten in favor of disapproval and 4 against with one abstention and Chair not voting. Reason: The subcommittee felt that it was important to keep the EV Ready column to be consistent with local policies requiring EV Ready installations and to allow changes in values.</p>	Charles Eley/Jon M.
CED1-044-22	C405.14.1	<p>EV Scope</p> <p>Discussion ensued. Andrew was not present. Speakers noted that the language needed modification. Bryan H. made motion to disapprove with Joe can seconding. Jon spoke in opposition. Vote</p>	Andrew Poliakoff

		was nine in favor of disapproval. Four voted against with one abstention and Chair not voting. Reason: The proposal is not substantiated with a cost effectiveness study showing the offset of DCFC to the table percentages for EVSE and EV-Ready Spaces. There were also concerns about proposed calculations.	
CED1-045-22	C405.14.1 Table	EV Scope Katherine Cunningham spoke in favor. Jon motioned to approve as submitted and Payam seconded. Discussion ensued about modifications. Twelve voted in favor and one opposed with no abstentions and Chair not voting. Reason: This Proposal would harmonize the requirements for B, E, I and M and S-2 and reduces the long-term costs associated with EV charging.	Sam Bauer/Katherine C.
CED1-046-22	C405.14.2	EV Scope Don presented in favor. Bryan H. made motion to disapprove, and Steve R. seconded. The vote was nine voting to disapprove and none against with four abstentions and Chair not voting. Reason: Based on action taken on CED1-39 during last meeting.	Don Chandler
CED1-047-22	C405.14.4	EVSE interoperability Katherine spoke in support. Discussion ensued. Bryan H. and Emily Kelly spoke in opposition noting that this is not the right place for prescriptive EV protocol. Steve made motion to disapprove with Bryan H. seconding. The vote was twelve to disprove and none in favor with no abstentions and Chair not voting. Reason: This is not an ANSI Standard, and there were concerns about other protocols that may be used, and about missing sections not being referenced.	Sam Bauer/Katherine C.

CED1-048-22	C405.14.5.1	<p>EV circuit capacity management</p> <p>Emily spoke in favor of #048. Bryan H. said this was taken care of on another vote and he motioned to disapprove. Harold seconded. The vote was twelve to disapprove and none against with no abstentions and Chair not voting. Reason: Based on our actions from #CED1-39 from our last meeting.</p>	Emily Kelly
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Energy Storage (10)

CED1-061-22	C405.16.1	<p>Electric storage ready</p> <p>Steve R. spoke in support of this noting they were language clean-up. His proposal #062 is covered by this and Diana went further. Joe Cain spoke against. Harold made proposal that we table this until biomass proposal is heard. No one seconded this. Joe made motion for disapproval. Anthony F. seconded. The vote was six in favor of disapproval. Five voted against disapproval. No abstentions and Chair not voting. Reason: Reason: Per actions taken with CED1-62</p>	Diana Burk
CEPC1-010-22	C405.16	Electrical Energy storage system	Payam Bozorgchami
CEPC1-011-22	C405.16	Electrical Energy storage system	David Hochschild
		<p>Energy Storage Ready cleanup</p> <p>Michael Tillou spoke in favor of how he modified this. Steve R. advocated to approve as modified with his tweaks. Joe suggested that we bring this back to next meeting with a clean copy as this meeting had 2 minutes left. No vote was taken on this proposal due to running out of time. Joe made motion to adjourn. Payam seconded. No one opposed adjournment but Hope wanted to stay for a few more hours.</p>	
CED1-057-22	C405.16		Michael Tillou
CED1-058-22	C405.16	Energy storage system exception	Alex Smith

CED1-060-22	C405.16	Battery storage update	Steven Rosenstock
		Battery storage equation Joe made motion to disapprove based on vote on 061 and Anthony seconded. Steve spoke in support. Four voted to disapprove. Five voted against disapproval. Two abstentions and Chair not voting. Steve made motion to approve this with modified language (“renewable electric energy”). Hope seconded. Joe spoke against modified proposal with a friendly amendment accepted by Steve & Hope. Voting to approve as modified were nine and one voted against with no abstentions and Chair not voting. Reason: This proposal makes necessary technical corrections and allows the use of other on-site renewable electric energy production systems.	
CED1-062-22	C405.16.1		Steven Rosenstock
CED1-063-22	C405.16.1	ESS Ready Spacing Requirements	Maureen Guttman
CED1-064-22	C405.17	Additional electric infrastructure	Jenny Hernandez
CED1-059-22	C405.16	Energy storage system to appendix	Greg Johnson

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

- [Teams site](#)

10. Future meeting(s): **March 6, 2023, 11 am – 2 pm ET**

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



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