

02/14/2022

Attendees:

Mike Stone
Mark Rodriguez
Kris Stenger
Amy Martino
Ann Edminster
Bob raymer
Ben Edwards
Bill Ambrefe
Bruce Świącicki
Courtney Anderson
Craig Conner
Diana Burk
Farhad Farahmand
Jerry Phelan
Jim Early
Jerry Phelan
Jim Meyers
Joe Cain
Kevin Rose
Lauren Urbanek
Martin Herzfeld
Michael Cunningham
Mary Booth
Michael Jouaneh
Michael Tillou
Noelani Derrickson
Patricia Chawla
Payam Bozorgchami
Sean Denniston
Shane Hoeper
Shannon Corcoran
Sharon Bonesteel
Steven Rosenstock
Tom Paine
Vrushali Mendon

Agenda

- Discussion of Zero Net Energy
 - Up to the committee to determine the glide path
 - Commercial has a proposal authored by Dwayne J
 - Action: bring up at the next consensus meeting to form a working group

- EV Proposal discussion
 - Postpone based on Board investigation on mandatory versus optional requirements
 - Is EV code in scope? The Board of Directors ruled it was out of scope in a previous cycle.
- CEPI-12-21 Part II Biomass definition
- Lighting related code proposals
 - Vote on REPI-102 proposals regarding lighting efficacy
 - Vote on REPI-101 proposal regarding antimicrobial lighting
 - Tabled until next meeting to align with the proponents

01/24/2022

Attendees:

Mike Stone
 Mark Rodriguez
 Kris Stenger
 Aaron Phillips
 Amy Martino
 Bob raymer
 Ann Edminster
 Bruce Swiecicki
 Courtney Anderson
 Doug Powell
 Gary Heikkinen
 Howard W
 James Earley
 Jerry Phelan
 Jim Meyers
 Joe Cain
 Lauren Urbanek
 Martin Herzfeld
 Michael Cunningham
 Michael Jouneh
 Norman Wang
 Patricia Chawla
 Payam Bozorgchami
 Shane Hoeper
 Shannon Corcoran
 Steve Orłowski
 Steven Rosenstock
 Tom Paine
 Vrushali Mendon

Agenda

- Sub-committee proposal composed of CEPI 26, 146, 201 and 258. Voted on today.

- EV proposals and work of the commercial committee. I would like to wait till they finalize their language before we vote on residential EV proposals to make sure the language is coordinated.
- AM: What are we discussing? Proposal number? R-1 is not transient occupancy, Air BnB, how does it fit?
 - Modified proposal based on 4 other commercial proposals. See above.
 - SC thought more permanent form of occupancy.
 - Added to CDP access
- Review table C405.13.1 for the table of requirements based on occupancy
 - Commercial facilities more classified as commercial. Not meant for one- and two-family dwellings and townhomes
- Branch circuit capacity with EMS changes in C405.13.5.1 Circuit capacity Management
 - 4.1kva per space minimum
 - 2.7kVA for R-2 when 100% of spaces are either EV ready, V capable, or EVSE spaces.
- BR: With regards to R-2, apartment complexes, with 100 parking spots, required to have 100% of EV ready.. Going from 0 to 100?
 - SR: thought process is a high number of folks charging simultaneous in this occupancy
 - BR: agrees with the use, but this is a lot to expect in a short amount of time. In regards to R-3, some are commercial, but mostly one- and two-family dwellings, but the table says r-3, which includes these. Can we see the cost impact analysis?
 - SR: Cost info in the original separate proposals
- KS: **PROCESS NOTE** - SC proposal comes through, KS will add it to CDPAccess for review. A new proposal number will be generated to indicate that it's a committee proposal.
- AE: For R-3, for two dwellings, how do you calculate 2%?
- SR: Covered by the exception for fewer than 10 spaces
- BR: Production housing, many units over a long period, working in phases, 100 single family homes in the end, how does the table apply if the project is built in phases? Clarity needed in the table. IN CA < 100% of new homes are EV capable which is incredibly cost effective. The table needs work for clarity.
- PC:
- SH: Minimum amount of charge stations should apply, ≥ 1 . 208/240vac may be confusing and could lead to discrepancies in the current and wiring.
- SR: Minimum of 208/240 single phase level 2 charger is the minimum. Up to 80amps. EV ready spaces allows flexibility in negotiations and could get moved. A single charge with multiple cords could service multiple parking spaces if it meets the electrical requirements
- SD: Will bring learnings from this commercial group to the Resi side
- MS: Definitions from this proposal can be brought into the Resi side. A new table will be needed with numbers adjusted for Resi for EV Ready and EV capable. R-3 in CA is 100%

for the last few years, but R-2 needs an agreement. Minimum charging rates and EMS could translate well.

- JC: A lot of effort went into this proposal with good outcomes. Definitions are fairly dialed in. Technical requirement elements were well meshed. A lot of questions about R-2 and R-3. The Building code can include other R-3 occupancies not residential. Residential building is defined in the energy code which includes one-and two family, and multi-family within limitations.
 - CP: One of the original proponents and worked on the consensus proposal. The group was diverse and experienced.
 - AM: Was there any discussion of this being an appendix? IN 2022, EV Charging was kicked out, not in scope and not energy conservation.
 - SR: Original proposals all in the body of the code. Appendix not considered. In terms of saving energy, managed charging via an EMS and really saving transportation and building energy.
 - AM: The IECC addresses the building, this proposal is increasing energy use. If determined in 2021 that it wasn't relevant, why now?
 - SR: Chargers could get power from other sources rather than the building. Could be supplied by separate wiring. There are other models that do not impact building energy use.
 - SD: We have a revised scope from 2021. IECC has telegraphed that EV is in scope. The proponents agree that for the EV market there are no areas that are not affected. Some places have a hard time adopting appendices.
 - JM: Question about minimum amount of chargers, rounding up to the nearest whole number so there will always be at least 1 charger. Is it reasonable that the builder install particular EVSE device or rather make them EV ready.
 - BR: Current issue in CA, detailing with folks that have never dealt with this technology. Keep in mind as we make code changes are they ready for a National Mandate or an appendix. We want people to use the code, a big jump may have jurisdictions run away or look for other solutions. Need an educational lift.
 - JC: We want a code that will be adopted and used, realizing there are regional differences or political will to advance, there are places that are not eager to adopt the newest code. Surge in the midwest. Think we should lead by example and ge the code to where we want it and allow AHJs to adopt on their own schedule.
 - SR: Certain entities have announced big commitments to EVs with significant regulations. Major automakers making big announcements. There are reasons for these proposals and the numbers.
 - JM: Lots of development at the local level in the SW. Parts they don't like can be removed. AHjs trying to figure out the code dev by themselves OR they follow their neighbors. They are asking for vetted consensus language to deploy at the local level.
- REPI-112-21 Large Home Lighting Controls

- R404.4 for large homes >5000 sqft of conditioned floor area. Interior lighting capability to control lighting from the exit door or a lighting control system. Added a mod to consider spaces controlled by occupant sensors, countdown timers and vacancy sensors.
- Cost savings report shows a savings of 11% of lighting loads or ~\$150. CEE reports on residential lighting, LED Column.
- HW: Maui county bill passed that houses over 5k sqft to be ZNE. Most of the homes are largely unoccupied.
- SR: ASHRAE Scaler using the commercial rate...its higher. It should be more cost-effective using the correct value of 0.13 instead of 0.1099. Countdown timers?
- MJ: They do exist. Schedule timers do not currently qualify by design.
- JC: Question about countdown timer. Occupant sensor control is a defined term, Occupancy has been changed to Occupant in past code cycles. Vacancy sensor is NOT defined. Should propose a new definition. Are there commercially available systems that satisfy these requirements, is this proposal specific to a certain type of tech?
- MJ: There are several options including smart light bulbs.
- JMH: The 5% covers the need for another exception regarding scheduled lights. This seems non-controversial.
- MJ, we could remove "vacancy sensor" since it isn't defined.
- JC: In favor of the changes. Vacancy sensor is manual on and automatic off.
- AM: Wants to concur with security lighting and lighting for safety purposes can be quantified in the 5%. Would like to see sources.
- CEPI-12-21 Part 2 Definition of biomass waste for Residential
 - PC: DEFN - C202 BIOMASS WASTE. Organic non-fossil material of biological origin that is a byproduct or a discarded product. Biomass waste includes municipal solid waste from biogenic sources, landfill gas, sludge waste, agricultural crop byproducts, straw, and other biomass solids, liquids, and biogases; but excludes wood and wood-derived fuels (including black liquor), biofuel, feedstock, biodiesel, and fuel ethanol.
 - SR: Approved as submitted on the commercial side. There was a controversial discussion.
 - JC: Trying to recall if there were mods but not sure which SC discussed? There was a discussion of Black liquor(?) We have knowledge of historic PV systems wth data available, but for other renewable measures, we are without history. Hard to justify life-cycle cost analysis. IECC says renewable energy is required but may present challenges to cost effectiveness. At full decarb, we stop burning stuff but for long term...need to stop burning stuff.
 - SR: Certain states have already defined this term, there could be conflicts if already defined.
 - JC: Has anyone heard of new Commercial or Residential buildings where space heating is fueled by biomass? Are there individual examples?
 - JMH: Ecesss black liquor burned at the facility. Not used for home heating.

- AM: We need to hear from the proponents and ask questions. Why is biomass fuel excluded? What is the future of this space? We want to encourage alternate renewable sources of energy. It would be helpful to know where the science is going.
- JMH: A commercial expert informed the commercial SC. The EU used biomass as a fuel and led to more units of carbon and thermal efficiency. Long units of time required to recover the carbon produced. Not a desirable outcome.
- AM: Restaurant biomass from oil fryers is known.
- MJ: Q for Chris, what happens if the Resi committee has a different definition?
- KS: It happens. Not uncommon. But we should work together to align.
- MJ: We should invite the experts and have a controlled discussion.
- SR: Good points on both sides. Biomass is used for the renewable energy portfolio
- Glide path to ZNE
- Next proposals this committee would like to discuss
 - MS: New meeting for Monday at 9am to discuss residential EV proposals.
 - ASHRAE conflict for Steve R.
 - JC: Hope to invite the group that worked on the Commercial proposal...Doodle poll?
 - JM: Second the doodle
 - KS: We can work it out.
 - REPI-112-21
 - CEPI-12-21 Part II
 - ZNE Glide path
 - PC: Can we schedule proposals for future meeting?

01/10/2022

Attendees:

Mark Rodriguez
 Kris Stenger
 Bob raymer
 Ann Edminster
 Courtney Anderson
 Eric Lacey
 Gary Heikkinen
 James Earley
 Howard W
 Joe Cain
 Michael Cunningham
 Patricia Chawla
 Shane Hoeper
 Tom Paine
 Robert Pegues

Amanda
Amy Martino
Martin Herzfeld
Jim Meyers
Nick Thompson
Lauren Urbanek
Farhad Faramand
Steve Orlowski

1. No Published Agenda today, Chair Mike Stone OOO
2. Discuss an “administrative proposal” to understand the process
 - a. Moved to the admin working group
 - b. JM: Commercial committee is starting to look at EV proposals. Maybe Steve and the group can share their work on EV proposals.
 - i. MJ: Ran out of time to complete the work today. Came to consensus on a modified proposal. Will discuss Next call in 2 weeks , but mostly looking at non-resi(?)
 - ii. BH: Only looked at Commercial side for EV. Formed a task force of proponents to meet for harmonization. Task force chair is Steve Rosenstock. Resi committee should coordinate. Mike Stone should be up to speed on this topic. Agreed to a set of definitions RE: EV and EVSE. Also, 3 concepts for parking, EV Capable, EV ready, EVSE Space, based on occupancy and use. Placeholders for Energy Management Systems and how to handle branch circuits and load control.
 - iii. BR: Seeing similarities to work done in CA. BSC approved EVSE spaces (25%). For single-family homes and electrification, trying to get a handle on what the service panel would look like.
 - iv. BH: Based on 2023 NEC, NEC 2020 silent on load impacts for EV except for NEC 625.40. Minimum load of 7200W, or nameplate rating of EVSE installed, used for load calcs, for dedicated EVSE. The code has an out for EMS or non-coincidental loading (lock out other loads). Could also use energy management to monitor the service, or demand response, or adjustable settings for EVSE. Correlating committee puts CMP 2 and 12 in convo to better determine the load rating of 7200W.
 - v. BR: Is this a mixture of smart tech that doesn't require operator intervention? RE: a customer to manage the loads of the EVSE.
 - vi. BH: There are dumb EVSE in market, not controllable. LEVEL 1 should have no impact. Higher charge rates could also be dumb OR use high tech controllable smart devices that could talk with the utility.
 - vii. BR: In CA, July 2015, kept code at EV Capable because vehicle capability was unknown at the time.

- viii. BH: Justification of 7200W is a 30A circuit, “The 7200 watt (volt-amperes) minimum requirement is based on a 30 ampere, 240 volt, single-phase circuit.”
 - ix. JM: In the SW, we see a lot of home rule, that include panel capacity requirements. Ordinances that mandate a minimum 200A service panel. Also seeing limitations on max panel capacity to 150A.
 - x. SR: Available to answer questions regarding commercial EV proposals. Do have reference to R2 Multi-family but haven’t gone in depth on other resi structures.
 - xi. PC: Should we form a group to work with the Commercial group? To stay in alignment on time and content.
 - xii. SR: Focused on consensus proposal, but could help inform Resi proposals. Working on a deadline of 1/24. One more meeting to finish the work.
 - xiii. JM: Can members of this group that want to participate send an email to SR?
 - xiv. SR: Yes. srosenstock@eei.org
 - xv. AM: Important to keep track of this as IECC-R still considers multi-family.
 - xvi. SR: Will keep the group informed of changes
- c. Proposals to review for next meeting
- i. SH: See REPI-112-21”Large Home Lighting controls”
 - ii. MJ: For larger homes to have a lighting control system that allows control of lights by the exits or remotely.
 - iii. SH: Isn’t this important for smaller homes, too?
 - iv. MJ: More potential for larger homes with lights left on when no one is home.
 - v. MJ: 5000sqft pulled from ASHRAE 90.2 as a standard
 - vi. SH: Would Occupancy controls qualify for this?
 - vii. MJ: The idea here is to turn them off remotely but should account for motion controlled lights.
 - viii. SH: Occupancy sensors may get the same result but easier to manage the home by occupants. Could be a safety issue.
 - ix. MJ: Maybe an exception for occupancy controlled lights....
 - x. BH: For One- and Two-family, there are no requirements for the location of lighting controls, not even for egresses. What needs to be illuminated is dictated by code, but not how to control them.
 - xi. JC: What about night lights and/or security lighting, is there a marking or indication of what lights will remain on or how certain lights would be controlled?
 - xii. MJ: Switches could be labeled, “last man out switch.” Not a req to have all lights turned off when no ones home, but to have the option to turn all permanently installed lights off at the exit. Does not include plugged in lights.

- xiii. JC: Include some dimming function possible, maybe too open ended. %5 exception is NOT in ASHRAE 90.2.
 - xiv. SH: New for 2020 NEC 210.70(a)(1) habitable rooms require a wall mounted control device near the entrance. Has exceptions for occupant sensors.
 - xv. MJ: no conflict with NEC 210.70
 - d. For the next meeting, discuss REPI-112-21.
 - e. JM: Could discuss the Biomass definition proposal. CETI 12 Part 2
 - f. BH: The commercial group has scheduled out when proposals will be discussed. Create a chart for discussion at meetings. We should schedule the proposal discussion for this WG.
 - g. PC: There may be an update available to us regarding Resi EV proposals by the next meeting.
3. Open forum
- a. BR: Initiate a discussion of the codes and the direction we are supposed to go. Considering proposals for PV Mandate, ESS ready, EV ready and the like, this may be onerous to the market. From a builders perspective, is there any thought on spreading this out across multiple code editions, rather than all in 2024. It takes time to get the market share up before we institute mandates. Do we have political consensus to move this forward in one fell sweep?
 - b. JC: Could argue both ways but this is an important topic. First thought is that things are moving quickly, could earn some push back. We are having a big impact on service panels. Building a home that satisfies one condition, but needs to be changed as electrical needs are met or change is bad, we need to be future proofing.
 - c. BR: In CA, Air resources board wants everyone to drive EVs, half of home power supplied by electricity, half by gas. EVs can have a great increase in electrical capacity for a home. We don't want to break the grid. How can things get done efficiently. Can we consider the cost impact? Retrofit costs? Builders will be evaluating the pain of cost increases due to code changes. We could have a smoother road if we work with builders to schedule the changes over time.
 - d. JC: Will there be a point where Neighborhood distro has to consider additional loads? There is a planning aspect of these loads and how a utility will deal with them in neighborhoods.
 - e. BH: <https://www.energycodes.gov/status/residential> SE states are against Net zero changes. 2024 IECC may have teeth in 2030 based on adoption rates. 80 programs identified that will trickle down to local level to support renewables, electrification, and EVs. EVs are also optional standby systems and can be bidirectional. Could also support utility demand response. Looks like a load, but not always. Trends towards limited energy class 4 systems, super low energy usage. Moving toward DC distro systems in the future.
 - f. SB: Utilities are already modifying Xfrmer sizes to prepare for the changing grid. Putting this in code gives a clear indicator on what to plan for. Now is the time to get it in the code.

- g. KS: No framework for a glide path in Resi
- h. BR: That's what we did in CA. Voluntary first, then move to mandatory over time. No opposition to these proposals.

12/13/2021

Attendees:

Mike Stone
Mark Rodriguez
Kris Stenger
Ann Edminster
Bob raymer
Courtney
Eric Lacey

Jim Meyers
Joe Cain
Michael Cunningham
Micheal Jouaneh
Noelani Derrickson
Patricia Chawla
Shane Hoeper
Steve
Steve Rosenstock
Vrushali Mendon
Ann Edminster
Amy Martino

1. Call to order.
2. Meeting Conduct. Staff
 - a. Identification of Representation/Conflict of Interest
 - b. ICC Council Policy 7 Committees: Section 5.1.10 Representation of Interests
 - c. ICC Code of Ethics: ICC advocates commitment to a standard of professional behavior that exemplifies the highest ideals and principles of ethical conduct which include integrity, honesty, and fairness. As part of this commitment it is expected that participants shall act with courtesy, competence and respect for others.
3. Roll Call
4. Approval of Minutes
 - a. First meeting
5. Administrative issues

- a. Appointment of recording secretary
 - b. Does Not need to be one person. Can rotate.
6. Action Items – code change proposals (37 total for this subcommittee)
- a. Solar PV - 3
 - b. Energy Storage Systems – 3
 - c. EV infrastructure – 4
 - d. Electrification – 3
 - e. Lighting and controls – 15
 - f. Performance and design – 3
 - g. Zero Net Energy – 4
 - h. Other (biomass, demand response, documentation) - 3
 - i. Discussion
 - JC: tee up the easy proposals first to help us get a groove.
 - MS: for next meeting
 - AM: me too wave. Will the review start today?
 - MS: starting in Jan to list specific proposals to discuss. What is the timeline for review?
 - KS: Early summer to go through all proposals. Other SCs may task us with other proposals. We may also create new proposals in the SC. Teeing up easy proposals to the consensus committee could help facilitate moving them through the vote. Sooner we get them on the agenda the better.
 - MS: Can a prop be amended after consensus vote?
 - KS: No, but to needs $\frac{2}{3}$ vote to move to consensus committee
 - MS: SC may make their own proposal, can we introduce new material?
 - KS: Yes. SC can make a recommendation, with or without proponent support, or create a new proposal. But the goal is to go through all of the Props submitted.
 - MS: We could combine 3 props into one as needed to create a committee proposal.
 - KS: Work with proponents to modify or work out.
 - AM: Do we submit all props to the CC at once? Will Proponents give a presentation? How do speaking opportunities work?
 - MS: Concise presentations are allowed.
 - KS: As they are recommended, move to the CC. How we hear the items is up to the SC. Up to the chair.
 - MS: List which props we are reviewing so that proponents are ready.
 - AM: Does this SC have to wait on others that are doing cost effectiveness analysis? I don't see that criteria currently.
 - KS: Commercial has an advisory group working since October. Within the intent of the code to analyze cost effectiveness but some of the proposals do not need consideration, but can be discussed. SC can also make a recommendation to have the CC review cost-effectiveness.
 - JC: Who gets to vote? Proponent? Chair? SC members?

- KS: **Council Policy 28**. Proponents listed on the proposal can't vote on their own proposal. Discussion for the executive committee.
- JC: If I am a voting member of the SC, and there is a vote, and a member of my organization is on the proposal, can I vote? Seems controversial if someone else's name is on the proposal, from my org, and now I can vote.
- KS: If there are questions, email Chair, Vie-Chair, CC KS. Addressing it at the Executive Committee meeting.
- JC: Attendees need to know when they are eligible to vote.
- MS: Chair does not get a vote in other forums....but does get a vote in the SC. Council policy allows it. In CA CAC's, if you submit a PC, you can't give testimony to the CAC.
- AM: Joe raises an important issue. We should talk about it. There are times when you need to recuse yourself from a vote. If you represent, or a member of your Org represents, you should abstain.
- KS: The CC can vote to say otherwise.
- AM: Motion to discuss giving a recommendation
- BR: Second the motion
- SH: Thinking along the lines of JC, if the committee modifies the proposal, can the proponent vote? If we modify a proposal, as authors, can everyone vote?
- KS: Proponents can refuse the friendly modification, in which case the committee can decide to make a new proposal; Which allows the original proponent to vote.
- SR: In other forums, I can vote at both the SC and CC. The proponent or organization, could be multiple people that have to recuse themselves. More if joint proposals.
- JC: IMO, this is unworkable. If there are 6 proponents of a proposal, do they all have to abstain if they are all SC members. But then modify it slightly, it becomes a committee proposal and all can vote. Too many ways to game the system.
- MS: There are 18 code-making panels.
- MJ: Discussed in Commercial SC, too gameable. Proponent may vote against their own proposal in favor of a better option. ZVoting member should be able to vote whether or not listed as a proponent.
- JM: When is the next EC?
- KS: Next week
- JM: Will feel more comfortable after getting direction.
- AM: Roll Call vote for who is a proponent or member of an org that is a proponent?
- BR: None from us but some will come from other groups.
- MS: NBI, NEMA, EEI, DOE, SEIA, ASHRAE are current proponents. Who are voting members from those orgs?

- JC: Anyone from a proponent org can't vote on proposals with their name, but could on others. Fix it!
- MR: Are we saying that all members should be able to vote?
- Yes
- MS: How should we structure this statement?
- KS: Go with a more definitive language
- AM: Withdraw and amend motion.
- BR: agree
- AM: Amend motion to be consistent with CP28? Can we get the text?
- KS: "finding CP28 for the group."
- PC: Can we repost a meeting note link to chat?
- MS: Any idea on easy proposals to discuss?
- KS:

5.2.2 Conflict of Interest: A committee member shall withdraw from and take no part in those matters with which the committee member has an undisclosed financial, business or property interest. The committee member shall not participate in any committee discussion or any committee vote on the matter in which they have an undisclosed interest. A committee member who is a proponent of a code change proposal shall not participate in any committee discussion on the matter or any committee vote. Such committee member shall be permitted to participate in the floor discussion in accordance with Section 5.5 by stepping down from the dais.

- JM: Concerned that undisclosed interest..
 - Br: Distinction between committees, you could participate in the discussion at the working group level. We want experts to chime in on the proposal. Conflict of interest language is clear but does it pertain at the SC level. We need to hear from some folks.
 - AE: Me too wave. People come in with knowledge and are best equipped to speak on the issues. Silencing them is counter-productive.
 - AM: Anyone should be part of the discussion. This is a committee conflict of interest which should apply to the CC. Does Not have to be the same for the SC.
 - MS: Can we agree as an SC?
 - AM: Support CP28 for the CC, but not the SC. Specifically 5.2.2.
 - AM - Motion to comply with CP28 for the CC, but for the SC, 5.2.2 should not apply. BR- 2nd PC: Should the main committee review? AM: Yes, but this motion is only for our SC. JC: Don't think we can pick the policy apart...,the same rules should apply across all committees.
1. Vote - motion carries
 - a. Yes = 7
 - b. No = 6
- BR: looking for CC to review 5.2.2

j. Proposal suggestion?

- BR: Next meeting in Jan? Over the next couple of weeks, provide proposal numbers to add to the agenda.
- MS: Bah Humbug, no PTO for the holidays. Email proposals.
- PC: 2-3 suggestions for Net Zero appendix. More administrative than substantial. 153, 156, and 159. Moved to the admin committee.
- MS: any other business? Next meeting Jan 10.

7. Other business.

8. Upcoming meetings.

a. Next Residential Electrical Subcommittee meeting: Monday, January 10, 2022, 2:00-4:00 PM EST

b. Next IECC Residential Consensus Committee Meeting (full committee): Thursday, December 16, 2021, 2:00-4:30 PM EST

9. Adjourn.