



Meeting Logistics & Information

Date	Wednesday – September 21, 2022	Attendees
Time	9:00 – 11:00 AM	Betsy Ames, Mike Browne, Chris Mazzola, Mike Turns, Ben Cohen, Nick Jones, Jonathan Harrison
Meeting Type	NEHERS Alliance – Board Meeting	Non-Attendees
Facilitator	Mike Browne	Cindy Zeis, Joe Rando, Keegan Ebbets,
Web Link	https://global.gotomeeting.com/join/122221509	Special Guests

Meeting Motions			
<i>Motion #</i>	<i>Description</i>	<i>Movement</i>	<i>Favor/Oppose/Abstain</i>
1	To approve accounts payable of \$3633.75	Motion – Nick Second – Mike T	6/0/0
2	To nominate Ben Cohen chair of Professional Development Committee	Motion – Mike T Second – Chris	6/0/0
3	To adjourn	Motion – Mike T Second – Jonathan	6/0/0

Roll call:

- Betsy Ames, Nick Jones, Mike Browne, Ben Cohen, Chris Mazzola, Mike Turns
- Present (quorum = 5):
- Late:
- Absent:

SECRETARY'S REPORT (*Mike T.*)

- Minutes- did not vote on July.

TREASURER'S REPORT (*Nick*)

- AP was voted on over email for August:
 - Cindy made motion, Mike T Second- all in favor?
 - Mike T., Keegan, Chris, Ben, Mike B, Nick, Jonathan, Joe- Yes
- Treasurer's Report/ Vote on AP on email
 - People's Bank was bought out by M&T, accounts are transferred.



- Accounts Payable

Nick to do full deep dive on accounting through Q3. Only costs for August were Betsy's overhead and Serra.

❖ **Nick motion to approve August AP for \$3633.75, Mike T second, unanimously approved**

ADMINISTRATIVE ITEMS

- Keegan and Cindy and Joe won't be at this meeting.
- Nomination's committee (not up for election: Mike B., Jonathan, Nick, Chris and Cindy)
 - Will need to present slate of candidates to the board by our October board meeting.
 - Please fill in meeting scheduling poll if you haven't already done so:
<https://doodle.com/meeting/participate/id/erRNxWpe>
- Board vote on Ben to be Professional Development Chair
- Board members please help publicize upcoming webinar
- Board Retreat Scheduling

Betsy asked people who are not up for election to fill out the Doodle poll to determine a date for the nominations committee. Betsy is pleased to announce that Ben has agreed to be prof dev chair.

❖ **Mike T motion to elect Ben as Professional Development Chair, Second Chris M, unanimously approved.**

Betsy asked members to post webinar registration on their social media pages – she would like to get a few more registrations.

Board retreat poll – Virtual meeting is winning. If in-person, 11/4 is the most popular. If on Zoom, people want 10/19 vs 11/16. One or two people haven't voted. Mike T suggested opening up virtual meeting to the same dates as the in-person. General consensus is Zoom on 11/4 from 10AM – 2PM. Mike T – build in unstructured time to address comment about not being able to have side conversations. Mike B – we can do this on breaks. Betsy – do we want a regular board meeting as well? Chris – no. (We usually don't have both a board meeting and a retreat in the same month.)

MANUAL (Cindy)

- Would like the committee to review the marked-up document before next meeting to check broken links and suggest replacements.
 - <https://drive.google.com/drive/folders/1OGZeVJw2IgxyVx53eM09Uc15fHlmIGX5>
- Also starting to look at whether to remove Standards sections

Cindy was absent. No report.

TRAINING COMMITTEE (Joe)

- Fall 2022 Training
 - Modules: September 12 – 23rd
 - Practical & Testing: October 3 – 7th



- We have 14 full registrations and 1 classroom only (transfer from Summer 2022).
- Projected profit is \$8815
- Produced updated intro to NEHERS for this training, very well received.
- Pre-registration quiz.
- 2023 contract with PSD signed. Price increase was \$650, which is a 4.3% increase, Training Committee approved this over email and Mike signed. Training Committee will discuss whether we need to raise our prices or not.
- 2023 Training Dates:

NEHERS	Week 1 Start	Week 1 End	Week 2 Start	Week 2 End	Week 3 Start	Week 3 End
Winter	01/16/23	01/20/23	01/23/23	01/27/23	02/06/23	02/10/23
Summer	05/15/23	05/19/23	05/22/23	05/26/23	06/05/23	06/09/23
Fall	10/02/22	10/06/22	10/09/22	10/13/22	10/23/22	10/27/22

- Chris – HERS Rater aptitude test. Chris reviewed the quiz.
- Mike T. – weren't the issues having more to do with computer skills and math.
- Mike B. – a lot of these are more knowledge questions than aptitude questions. Can we make them more general. What would you ask if you were hiring someone?
- Chris – I would expect someone who mentored with a rater for a year to pass this.
- Mike B. – A lot of people don't rely on mentoring. I want to know if people can learn the info quickly as opposed to already knowing it. Maybe this is a better screen for whether they have read Krigger book.
- Chris – These questions are more about what they should know by the end of the class.
- Mike B – This could be used by the trainer at the beginning of the class.
- Ben – This could be just to gauge the baseline – how much do they need to learn?
- Mike T – need to have more general questions for a screening quiz prior to registering. A discussion of the types of questions ensued – framing member names, math, physics.
- Break the quiz into categories based on subject matter: Math (geometry), Physics (units), Construction (components) and Communications (including computer skills and practical simulation).
- Review Betsy's spreadsheet of rater exam passing rates.
- Ben – Office hours after the course for people who fail? Mike/Betsy – I think PSD does this.
- No charge for proctoring of the first re-test. Third test there is a fee.
- Betsy will check on what PSD offers to students who fail.
- Betsy – We updated NEHERS intro video and everyone liked it.
- Contract with PSD is signed for 2023, price increase was \$650 (not \$850 as was approved via email).
- Next year training won't overlap with religious or other holidays.

STANDARDS (Cindy)

ANSI

- BSR/RESNET/ICC 301-202 Addendum B-202x – CO2 Index (Public comment starts Aug 12)



- <https://www.resnet.us/about/standards/resnet-ansi/draft-pds-02-bsr-resnet-icc-301-2022-addendum-b-co2e-index/>

MINHERS

- [Draft PDS-03 MINHERS Addendum 66f, CO2e Index](#)
- [Draft PDS-01, MINHERS Addendum 68, HERS Modeler Professional Development Course Requirements \(Comment opens August 26, 2022\)](#)
- [Draft PDS-01, MINHERS Addendum 69, Combustion Safety Training for RFI Certifying as HERS Rater \(Comment opens August 26, 2022\)](#)
- [Draft PDS-01, MINHERS Addendum 71, SEER2/HSPF2 Conversions](#)

Cindy absent. No report. Mike B. – discussion about remote QA – maintain high standards but still allow remote QA. Also discussed competing rating systems (CHEERS and BSI) that are trying to undercut RESNET. Ekotrope has efficiency rating conversions built into drop-down menus. Is CAZ still necessary? Maybe we should be doing more ratings of existing homes, so we should still care about CAZ.

QAD (Jonathan)

- Last meeting was 8/25
- Review of Cindy's proposal to extend Remote QA

Good reminders but nothing new discussed.

WEBINARS (Chris/All)

- 2022
 - ~~January 19th: Standards Update with Sara~~
 - ~~February 15th: Embodied Carbon NEHERS EC Committee~~
 - ~~March 9th: Manual BV: A New Approach to Balanced Residential Ventilation Design with Paul H. Raymer of Heyoka Solutions, LLC~~
 - ~~April 13th: Mike Turns 2021 IECC~~
 - ~~May 25th: Air to Water Heat Pumps for DHW with Robb Aldrich and Dylan Martello of Steven Winter Associates~~
 - ~~June 29: RESNET Conference Recap and Looking Ahead to October with John Hensley, Billy Giblin, Emma Bennett, Valerie Briggs and Scott Doyle~~
 - ~~Joe and Chris volunteered to be the board member on the call~~
 - ~~July 20: Foam Free High Performance Building Enclosures with Oliver Klein~~
 - ~~Board member on call?~~
 - ~~August 1: A Proposal for a New RESNET Standard on Embodied Carbon with the NEHERS Embodied Carbon Committee~~
 - September 21st: Encyclopedic Energy Design- Why Prioritize Supply Chains and Pizza Toppings Along with Blower Door Results – with Andrew Frederick
 - Board member on call: Ben
 - 10 min segment on Standards: Insulation Grading with Mike B and Tony and Robby
 - October: RESNET Conference- off
 - November: Programs Webinar
 - December:

This month's standards update will be about pros/cons of eliminating three-tiered insulation grading. Potential will have a sponsored webinar for December. Mike B to send Betsy the NEHERS grading guide.



MEMBERSHIP AND COMMUNICATIONS (Mike B)

- Early November: Board vote on whether to keep fees the same
- November: Start contacting Providers for lists of raters.

We will have to decide about whether we increase membership fees. Need to get invoices out for annual renewals.

ENERGY CODES (Mike T)

- Met last Friday
Federal funding. NEHERS offer subsidized rater training. Mike B – repackage rater training to show that it meets requirements of IRA funding. Big part of IRA is electrification. Federal tax credits for all-electric builders. Nick shared IRA cheat sheet and stated he will circulate it. Betsy – would curriculum development fall under the workforce development section that Nick pasted in the chat (below).

Does NEHERS seek federal funding? Do we prime or sub? Reach out to NEEP. Nick – whenever they've needed training in MA/CT they look for HERS raters to conduct the trainings.

SEC. 50123. STATE-BASED HOME ENERGY EFFICIENCY CONTRACTOR TRAINING GRANTS.

(a) APPROPRIATION.—In addition to amounts otherwise available, there is appropriated to the Secretary for fiscal year 2022, out of any money in the Treasury not otherwise appropriated, \$200,000,000, to remain available through September 30, 2031, to carry out a program to provide financial assistance to States to develop and implement a State program described in section 362(d)(13) of the Energy Policy and Conservation Act (42 U.S.C. 6322(d)(13)), which shall provide training and education to contractors involved in the installation of home energy efficiency and electrification improvements, including improvements eligible for rebates under a HOMES rebate program (as defined in section 50121(d)) or a high-efficiency electric home rebate program (as defined in section 50122(d)), as part of an approved State energy conservation plan under the State Energy Program.

(b) USE OF FUNDS.—A State may use amounts received under subsection (a)—

- (1) to reduce the cost of training contractor employees;
- (2) to provide testing and certification of contractors trained and educated under a State program developed and implemented pursuant to subsection (a); and
- (3) to partner with nonprofit organizations to develop and implement a State program pursuant to subsection (a).

(c) ADMINISTRATIVE EXPENSES.—Of the amounts received by a State under subsection (a), a State shall use not more than 10 percent for administrative expenses associated with developing and implementing a State program pursuant to that subsection.

- NJ is adopting 2021 IECC without amendments and have exempted blower door testing up until now. March 6th is when any permits will have to meet the 2021 IECC and ASHRAE 90.1.2019 on the commercial side. And they are retaining Energy Star as the compliance path option.



- Ekotrope now has calculator to go between ACH 50 and CFM 50 per sq foot of enclosure area. New metric in 2021 IECC for small and attached homes. Field you change units. Unit conversion.
- Residential consensus committee still deliberation, haven't achieved 2/3 consensus to release draft code for comment. They are on 3rd ballot. Commercial is posted for comment now. Open for a month.

EMBODIED CARBON (Chris and Nick)

- Live RESNET Conference October 12-14
 - Will be presenting live for 45 min on Friday 14th
 - Chris Magwood will be joining Mike and Chris Mazzola and Nate Connors
 - Mike Browne has additional engagements in the works....MIKE, please advise status
 - Panel discussion with David Goldstein and Steve Baden – **David can't attend. Cast has been changing a lot.**
 - Roundtable with NEHERS panel
 - Special Session
- Baseline:
 - Talking with Matthew Jungclaus, PhD candidate at University of Colorado who is developing WB LCA baselines using the PNNL energy models
 - Chris Magwood reached out to Bev at MassCEC for funding. Setting up a meeting for early October with potential stakeholders and funding opportunities
 - Jacob Racusin acting as workflow guide for the Benchmark
- Xavier Walter of the Building Performance Association invited Andy to submit an Embodied Carbon session National Home Performance Conference in Seattle in April
- Submitting proposal for International Living Building Challenge in DC in May
- Possible speaking engagement by Zoom in ME later this fall.
- Chris Magwood (RMI) is drafting the Standard in his new role at RMI draft the Standard- talking with Ryan Meres for guidance.
- 2024 IECC Proposal (tabled)

Mike B – General Session on Fri and Roundtable Thursday. Both interview, with moderator and 3 people on panel. Special session Friday- intro topic, breakout groups, then come back together- everyone can participate, 2 hours. Chris and Nate also headline. They will meet at the conference to plan them. For panels, RESNET doesn't want PowerPoints. Mike wants big flipboards. Betsy thinks some visuals will be important. Ian Finlayson wasn't able to make it for stretch codes so Mike B is sitting in for Ian. We have more planning to do to make Friday session go smoothly. Betsy – We proposed it as three hours and now it's two.

Andy, Mike B, and Matthew Jungclaus spoke about Matthew's research. Meeting with Jacob Racusin tomorrow at 11 am. Betsy – There is A LOT happening with this committee. The big news is that Chris Magwood of RMI has been tapped and funded to write the standard. He knows his stuff. NEHERS has developed a close relationship with Chris.

Developing 2024 IECC proposal for embodied carbon – tabled based on input from NBI.

Mike B – Looking forward to Nate Connors (IFC/Mass Save RNC) being there. The only type of group we don't have support from is manufacturer/suppliers. Betsy – but there wasn't as much pushback in Canada as



they thought because they're using manufacturers' own data disclosed on EPD. The suppliers that have done that may be advantaged by it, like DuPont or Owen's Corning, or wood or concrete. Betsy will send remaining rack cards for the RESNET conf.

WRAP UP:

❖ **Motion to adjourn Mike T, Jonathon seconded, unanimously approved.**