

ENERGY EFFICIENCY AND SUSTAINABLE ENERGY BOARD

RSA 125-O:5-a

21 South Fruit Street, Suite 10

Concord, N.H. 03301-2429

Minutes for January 17, 2020

Attendees:

Board Members: Donald Perrin (DAS); Madeleine Mineau (Clean Energy NH); Becky Ohler (DES); D. Maurice Kreis (OCA); Cindy Carroll (Unitil); Carol Woods (NHEC); Karen Cramton (PUC); Kate Peters (Eversource); Matt Mailloux (OSI); Ray Burke (NH Legal Assistance); Eric Stanley (Liberty Utilities); Michael Behrmann (Revolution Energy); Scott Maslansky (CDFA); Bruce Clendenning (The Nature Conservancy); Marc Prindiville (State Fire Marshal's Office); Theresa Swanick (NH Municipal Association).

Others: Chairwoman Dianne Martin (PUC); Azanna Wishart (PUC); Matt Siska (GDS Associates); Christa Shute (OCA); Chris Skoglund (DES); Kate Epsen (ISO-NE); Megan Ulin (ReVision Energy); Lisa Cota-Robles (OSI); Dick Henry (Hot Zero); Nathan Peabody (UNH).

1. Welcome and Introductions

- Becky Ohler called the meeting to order at 9:06 a.m.

Becky Ohler expressed her thanks to the Board as this was her last board meeting serving as Chair, and she asked that the Board assist the incoming Chair and Vice Chair.

2. Approval of the December 13, 2019 EESE Board Meeting Minutes

- Karen Cramton moved. Bruce Clendenning seconded.
- Approval of the December 13, 2019 minutes. All in favor.

3. Presentation by Nathan Peabody, University of New Hampshire – Adoption of Green Fleets – Economic and Environmental Life Cycle Assessment of Electric Vehicles in New England

- The presentation focused on fleet electric vehicles and some of the data used in the analysis was from the State's fleet vehicles.
- Four light duty fleet vehicle technologies were compared while accounting for New England specific variables such as climate, ISO-NE grid inputs, and NHDES fleet characteristics.

- An economic life cycle assessment and an environmental life cycle framework was used to estimate greenhouse gas emissions associated with each vehicle. Together, the results will give fleet managers a more detailed understanding of total costs and environmental impacts of each light duty vehicle type in New England.
- The results indicate that BEVs are more cost competitive than the purchasing price indicates, and that no vehicle has zero emissions. HEVs have the lowest total costs and can reduce emissions by 22% as compared to ICVs.
- It is important to consider that investment in EVs is dependent on battery size, driving range, and fleet centralization.
- There was a question about whether resale value was a factor in the research. It was not.
- In your analysis, does the initial sales price include the charging infrastructure? No, it does not.
- Why were fleet vehicles used in the research? Fleet vehicles tend to have a longer life span than private vehicles, which on average are owned for about 5 years.
- There was a discussion about the bidding process for attaining EVs for the state fleet and whether or not the federal tax credit is accounted for. The state cannot claim the tax credit, so the dealership should claim the credit and provide some incentive to the state.
- The U.S. Department of Energy has an online calculator that can be used to determine operating costs and environmental impact for an electric vehicle, based on location.

4. Election of EESE Board Chair and Vice Chair

- Nominations were made during the December meeting: Madeleine Mineau, Clean Energy NH, was nominated to serve as Chair, and Matthew Mailloux, OSI, was nominated to serve as Vice Chair.
- Statements were made by the nominees: Madeleine noted the importance of the role and that she is looking forward to defending the value of the board. Matt expressed that he is honored and excited to serve as Vice Chair. Followed by a brief discussion by board members.
- All those in favor of Madeleine Mineau as Chair of the EESE Board. Unanimously approved.
- All those in favor of Matt Mailloux as Vice Chair of the EESE Board. Unanimously approved.

5. The new Chairwoman of the Public Utilities Commission, Dianne Martin joined the EESE Board meeting. She introduced herself to the Board.

6. Review and approval of the 2019 Annual Report.

- Ben Frost suggested removing the three bullets on page one and ending the sentence after the word “resource”.
- Matt Mailloux suggested noting the change in OSI membership in December from Joe Doiron to himself.
- Approval of the 2019 EESE Board Annual report including the two edits. Donnie Perrin moved. Matt Mailloux seconded. Unanimously approved. The report will be filed with the parties outlined in statute.

7. EERS Committee Update – Don Kreis

- The EERS committee is meeting every other week. They are making progress on developing a general understanding of what the EERS program will contain during the next triennium.
- VEIC is about to embark on bilateral meetings with the utilities to discuss each EERS program in detail and they are currently in the investigative phase.
- Thank you to Madeleine Mineau/CENH who helped bring contractors and others to attended the last meeting and provide input on the EERS programs.
- The committee invited stakeholders who are not members of the EERS committee to comment on the current NHSaves programs --- how are the programs is working? Ideas for changes? Input from contractors and builders is very helpful. They often can offer practical advice on how to make programs more effective. The committee will consolidate written and oral comments received and distribute the information to the EESE Board.

8. 2020 Legislation

- HB1445 (2020): Adding a Building Scientist to the Building Code Review Board (BCRB)
 - Matt Siska (GDS Associates) and Chris Skoglund (DES) drafted a policy statement for There was a discussion about how to define “building scientist”, the required education and years of experience, discipline that would be represented, technical experience, etc.. The BCRB currently has representation from the fields of architecture, plumbing, electric, fire, and mechanical.
 - Years of experience was discussed in more detail. The Board discussed whether the Board’s policy statement should include a recommendation that the Building Scientist should have five years of experience, and where specifically in the statute the requirement should be stated.
 - The Board decided to not take action a position or adopt the policy statement at this time.
- HB1365: Repealing the EESE Board:

- Ray Burke noted that the Board has traditionally been hesitant to take a position on legislative bills other than to provide information. Madeleine Mineau offered that she and Matt Mailloux represent the EESE Board at the public hearing scheduled for the following week and asked for guidance from the board.
- Don Kreis noted that the driving reason behind the bill is that the EESE Board has accomplished the tasks outlined in the current statute. The legislature needs to be made aware of the current work of the Board. Bruce Clendenning suggested that Madeleine and Matt should let the legislature know the relevant work that the Board does including presentations on technology, education, and the active role the Board plays on the EERS (i.e., EERS Committee).
- Becky asked for a vote to authorize the newly elected Chair and Vice Chair to represent the EESE Board at the legislature on HB1365. Bruce Clendenning moved. Don Kreis seconded. Unanimously approved.

9. Work Group, Board and Program Updates:

- EM&V – Christa Shute
 - Study reports are due. HPwES is under review and HEA results are expected shortly.
 - Gas Peak Demand Study will be joining other New England States on the Navigant study, which begins in January.
 - Final report for the Demand Response evaluation is expected in February 2020.
 - The first draft of the Bill and Rate Impact analysis has been reviewed. The final model is due in March.
 - There is an updated draft of the non-energy impact study database. Comments have been submitted and will be used for the secondary Granite State Test. There will be a webinar scheduled to explain how to use the database.
 - The Technical Reference Manual is in process with a draft expected by April 1st.
 - The residential survey is almost done. There is a robust collection of information with nearly 800 responses.
 - Energy optimization scope and inclusion is under discussion.
 - The group is developing a plan for the upcoming strategic evaluation.

- PUC – Karen Cramton
 - Staff completed, and sent to stakeholders for comment, the final draft of the PUC 900 administrative rules (i.e., net metering rules).
 - There is stakeholder session scheduled for Monday, January 27th to discuss the Clean Energy Fund. Written comments are due today.
 - The Low/Moderate Income (LMI) RFP is still open. The number of proposals will be posted on the PUC webpage after the deadline.
 - The Non-residential (C&I) competitive grant program RFP has closed. The proposal review process has started.

- The C&I Solar PV public comment hearing on proposed program modifications is scheduled for Thursday, January 30th.
- Locational Value of Distributed Generation Study (LVDG) – the second stakeholder session will be announced soon.
- A public hearing was held on Class III RECs to receive input on whether the Commission should adjust the 2019 compliance year requirement for Class III. The written comment period remains open until this Thursday.
- Clean Energy Fund – written comments should be addressed to the stakeholder group; not the Commission.

- OSI –
 - Matt Mailloux introduced Lisa Cota-Robles, the new Deputy Director.

- OCA –
 - Don Kreis indicated Representative McGhee introduced HB1429, relative to integrated distribution plans of energy utilities. The bill was heard last week and there appeared to be some interest.

- Bruce Clendenning – The Nature Conservancy is planning Energy Week for the end of March. The breakfast will be on Wednesday March 25th.

10. Meeting adjourned at 11:07 a.m.

**Thank you to DES for providing the refreshments.