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BBRS Energy Advisory Committee (EAC)

Chairman Meskus took roll call:

| | | |
|---------------------------------|---|--|
| Layla D'Emilia, or designee* | <input checked="" type="checkbox"/> present | <input type="checkbox"/> absent |
| Patrick Woodcock, or designee** | <input checked="" type="checkbox"/> present | <input type="checkbox"/> absent |
| Zbigniew Wozny | <input type="checkbox"/> present | <input checked="" type="checkbox"/> absent |
| Tom Moberg | <input checked="" type="checkbox"/> present | <input type="checkbox"/> absent |
| Emily Paparella-Vice Chair | <input checked="" type="checkbox"/> present | <input type="checkbox"/> absent |

| | | |
|----------------------|---|---------------------------------|
| Curtis Meskus-Chair | <input checked="" type="checkbox"/> present | <input type="checkbox"/> absent |
| John Anderson | <input checked="" type="checkbox"/> present | <input type="checkbox"/> absent |
| Jonathan Bruce | <input checked="" type="checkbox"/> present | <input type="checkbox"/> absent |
| Gabriel P. Stallions | <input checked="" type="checkbox"/> present | <input type="checkbox"/> absent |

* *State District Building Inspector Adelle Reynolds participated as the designee for DPL Commissioner, Lyla D'Emilia.*

** *Ian Finlayson participated as the designee for DOER Commissioner Patrick Woodcock.*

June 1, 2020 Meeting Minutes
General notes on format of these minutes

- *These minutes represent general points of discussion by members and audience participants during the regular meeting session. The minutes are not intended to be a verbatim account of discussions.*
- *Votes are noted as **MOTION** by, seconded by, and whether it was a unanimous or split vote.*
- *Agenda topics as numbered may be in the same order as they appear on the meeting agenda.*
- *The meeting agenda is listed as **EXHIBIT A**; others are listed sequentially as addresses during the meeting.*

Regular Meeting Portion

1. **Roll Call.** Chairman Curtis Meskus opened the meeting about 10:00 am by taking roll call. Adelle Reynolds, Ian Finlayson, Tom Moberg, Emily Paparella, Curtis Meskus, John Anderson, Jonathan Bruce, Gabriel Stallions all identified themselves as present.
2. **Review/Vote** approval of the May 4, 2020 EAC meeting minutes. On a **MOTION** by Jonathan Bruce, seconded by Ian Finlayson, it was a unanimous vote to approve as amended. Ian Finlayson thinks he used "suitably" and not "suitable", in agenda item 2, and Jonathan Bruce noted typos with his name in agenda item 4. Also noted was the group vote to table defining Net Zero for further discussion, with Jonathan Bruce offering the motion and Emily Paparella seconding. Roll call vote: Adelle Reynolds, Tom Moberg, Emily Paparella, Curtis Meskus, John Anderson, Jonathan Bruce, Ian Finlayson, and Gabriel Stallions voted in the affirmative. (**EXHIBIT B**).



3. **Discuss** Existing business: Defining Net-zero as a code option for BBRS consideration. Chairman Meskus talked about tabling this topic during last month. Jonathan Bruce offered his views about a net-zero building being a combustion free building and expressed concern with the committee continuing to consider a net-zero code before agreeing on a definition.

Tom Moberg thinks a net-zero building is not a carbon free but rather a building in which the building combustion systems are offset by carbon free energy resources. The group had a lengthy discussion about a net-zero building definition.

Jonathan Bruce thinks net-zero is an effort to move the combustion energy from the building mechanical systems to someone else's property since the energy used by most building systems from fossil fuels. He also thinks energy modeling which truly offsets the building energy needs to include upfront costs such as building energy design and achieving any certificates used to demonstrate compliance. John Nunnari clarified that the MA Chapter of the American Architects net-zero proposal does not claim to increase costs, but it does assert no increase building design costs.

Jonathan Bruce explained the costs noted in the proposal count on incentives which will come to an end.

Ian Finlayson spoke about DOER procuring a cost analysis about energy usage in existing buildings and structures and the results should be ready sometime during the summer.

Adelle Reynolds asked if anyone associated with the MA Chapter of the American Architects net-zero proposal has spoken to utility companies to understand how the requirements will work with their business modeling? Ian Finlayson talked about his office, DOER speaks with utility company representatives frequently and he believes from those conversations that the utility companies have no issues (i.e. concerning capacity and like issues). He also thinks the proposal will impact less than 1% of building stock since it is intended for new buildings.

John Nunnari offered to have someone walk through the MA Chapter of the American Architects net-zero proposal next meeting. Chairman Meskus agreed to a lot ½ hour for this presentation at next meeting and closed the discussion for today.

4. **Discuss** code change proposal 11-01-2019 EV Spaces R-2 and R-3 uses. Chairman Meskus recognized Scott Ananian to explain his code change proposal (**EXHIBIT C**). Scott Ananian talked about the goal of the proposal is to have the building code require vehicle charging stations at home and at work and the current code does not include an at home requirement.

Jonathan Bruce expressed concern that the cost estimates, which accompany the code change proposal, do not address situations involving standard electric panels, which are at capacity, and the information provided does not account for situations involving utility grid capacity issues. He pointed out that the proposal does nothing to improve building energy efficiency, and thinks that requiring property owners to have vehicle charging stations is not a building code matter. He also expressed that vehicle charging mandates would be better in legislation which provide incentives. Scott Ananian responded that the zoning laws would not allow for vehicle charging requirements.

Ian Finlayson mentioned that vehicle charging requirements would be in the 2021 IECC.

Adelle Reynolds expressed concern that the proposed language needs to be clarified so it applies to new buildings. She expressed concern that the requirements put forth in the proposal pile on burdens for low-income homeowners, and she does not think that requiring vehicle charging is the right approach.

Ian Finlayson spoke about the Governor's plan relating to electric vehicles. He also spoke about people who purchase new buildings are wealthier and will be seeking electric vehicles.

Jonathan Bruce expressed concern with discussing vehicle charging as a requirement with the mindset that only wealthy people purchase new homes.

Chairman Meskus asked for a straw poll on the proposal. Jonathan Bruce offered a **MOTION** to recommend unfavorable action on the proposal, Adelle Reynolds seconded. Ian Finlayson spoke about supporting the proposal. Tom Moberg expressed waiting for the national code to add the requirement and John Anderson agreed. *(Note: The Committee discussions answered the charges given by the BBRS: performing a cost analysis hampered by the lack of clarity with how to identify electric grid costs when additional power needed; requiring electric vehicle charging equipment is not an energy code subject; identifying the number of vehicle charging spaces is not an energy code subject matter.)* Roll call vote: Adelle Reynolds, Tom Moberg, Curtis Meskus, John Anderson, Jonathan Bruce all voted in the affirmative. Ian Finlayson, Emily Paparella and Gabriel Stallions all voted in the negative. The motion carried 5 to 3.

5. **Adjourn.** On a **MOTION** by Adelle Reynolds, seconded by Jonathan Bruce, it was a unanimous vote to adjourn the regular meeting at about 11:55 am. Adelle Reynolds, Tom Moberg, Emily Paparella, Curtis Meskus, John Anderson, Jonathan Bruce, Ian Finlayson, and Gabriel Stallions all voted in the affirmative.

EXHIBITS:

- A. 2014_01 Official Interpretation Existing Buildings DRAFT 6-29-2020.
- B.