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**BBRS Energy Advisory Committee (EAC)**

Chairman Meskus took roll call:

Diane Symonds, or designee*	<input type="checkbox"/> present	<input checked="" 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 type="checkbox"/> present	<input checked="" 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, Diane Symonds.
- \*\* Ian Finlayson participated as the designee for DOER Commissioner Patrick Woodcock.

**March 2, 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. **Review/Vote** approval of February 6, 2020 BBRS draft meeting minutes. Ian Finlayson recalled he asked Attorney Charles Kilb to recite the provision in section 94 subsection (o) in chapter 143. The group agreed to have the minutes reflect. On a **MOTION** by Ian Finlayson, seconded by Emily Paparella, it was a unanimous vote to approve as amended (**EXHIBIT B**).
2. **Discuss** Existing business: 'Net Zero' defining Net-zero as a code option for BBRS consideration. Chairman Meskus asked the committee members if anyone has a net-zero definition to offer for discussion. Tom Moberg thinks the code change proposal related to agenda item 3 provides a pathway to net-zero option. He offered the following definition:

Net-zero: A designation awarded to a building whose performance in one of the following categories, energy use, carbon emissions, proves through design,



construction and testing that the verified result at a minimum to be neutral in one or both of the above listed categories.

The group had a general discussion about agenda item 3 and the difference between net-zero carbon and net-zero energy. The discussion included net-zero does include offsetting a buildings energy utilizing renewable energy.

Gabriel Stallions talked about wanting the discussion to focus on construction standards and encouraged the group to stay away from achieving net-zero through the building operational requirements. Tom Moberg thinks net-zero designation includes energy use and carbon emissions under typical building operations.

Chairman Meskus recognized Daren Port from Northeast Energy Partnership to speak about net-zero includes eliminating all combustion equipment in buildings and he provided a handout which included a net-zero definition:

A Net Zero Building is a Ultra-Low Energy, Combustion-Free Building that sources 100% of its energy from Additional Renewable Energy Sources. **(EXHIBIT C)**

Chairman Meskus recognized John Nunnari, the proponent of the zero-code renewable energy standard proposal (**EXHIBIT D**). He cautioned the committee about adopting a net-zero definition which requires defining the terms in a net-zero definition.

Chairman Meskus spoke about an email from Dan Buck (**EXHIBIT E**) and explained that renewable energy (solar, etc.) seems imperative. Chairman Meskus asked the group to weigh-in as to whether the zero-code energy standard proposal feasible? Emily Paparella thinks it is achievable. Tom Moberg thinks the proposal offers another compliance path. John Nunnari thinks the EAC considering the legal implications of the proposal might be problematic with respect to the building code authority to regulate beyond the structure. He continued by asking whether the building code can mandate or prohibit the fuel types for the building systems, and regulate offsite energy by contract? The group had a general discussion about regulating energy usage at the building and whether the building official has the authority to track offsite energy contracts.

Gabriel Stallions spoke about the building official regulating offsite renewable energy contracts a year after the building C of O issued should the contract changed or should the modeling used to obtained the C of O have shortcomings which are discovered after occupancy. Some committee members believe once the C of O is issued, the building official no longer has authority to consider energy modeling used to acquire the C of O. Some felt the BBRS has the authority to study a buildings energy performance.

Chairman Meskus asked the Committee to summarize:

- a. Examine the feasibility; the consensus is yes.
- b. Determine the cost impacts; Unclear how to identify in quantifiable way given the variables, grants and site conditions.
- c. Consider legal implications; seemingly unclear. Dan Walsh to bring the BBRS statutory authorities to the next meeting so the committee can work to identify possible legal implications.
- d. Identify all the technical implications; Long term enforcement, unclear how to deal long term monitory purchases.

3. **Discuss** code change proposal 11-01-2019 EV Spaces R-2 and R-3 uses. The BBRS charge to the EAC includes.

- Perform cost analysis.
- Determine whether the language offered can be carried out as part of construction.
- Identify the appropriate number of vehicle spaces.

Chairman Meskus ask Ian Finlayson if requiring EV Charging for residential structures had been discussed when he was EAC chairman. Ian Finlayson spoke about the BBRS removing the residential EV Charging requirement from the most recent energy code proposal last calendar year.

4. **Adjourn.** On a **MOTION** by Tom Moberg, seconded by Ian Finlayson it was unanimously voted to adjourn the regular meeting at about 12:10 pm.

**EXHIBITS:**

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- A. Meeting Agenda.
- B. Minutes for the February 6, 2020 Energy Advisory Committee (EAC) meeting.
- C. Massachusetts Zero Energy Stretch Code doc.
- D. Code Change Proposal 11-06-2019 Zero Code Renewable Energy Standard.
- E. Email from Dan Buuck Re: Zero code Renewable energy standard.