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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 type="checkbox"/> present	<input checked="" 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 type="checkbox"/> present	<input checked="" 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 designee for DOER Commissioner Patrick Woodcock.*

July 6, 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, Tom Moberg, Emily Paparella, Curtis Meskus, Jonathan Bruce, Gabriel Stallions all identified themselves as present.
2. **Review/Vote** approval of the June 1, 2020 EAC meeting minutes. On a **MOTION** by Jonathan Bruce, seconded by Emily Paparella, it was a unanimous vote to approve as amended. Jonathan Bruce offered under discussion item 3 that he did not suggest the building fee does not change because of solar design requirements. With respect to item number 4, he offered removing the comma after "panels" in the second line, and in the second to last line of paragraph 4, replace "in zoning" with "in legislation". Jonathan Bruce also offered in the last paragraph changing the text after the words MOTION and inserting the word "recommend" to better reflect the motion. Roll call vote: Adelle Reynolds, Tom Moberg, Emily Paparella, Curtis Meskus, Jonathan Bruce, and Gabriel Stallions-unanimous. (**EXHIBIT B**).



3. **Discuss/Vote** code change proposal 11-06-2019, which amends Appendix 115 AA. The BBRS referred to the EAC at its December 17, 2019 meeting with the following objectives (**EXHIBIT C**):
- a. Examine the feasibility.
 - b. Determine the cost impacts.
 - c. Consider legal implications of what the proposal requires.
 - d. Identify all the technical implications.

Chairman Meskus recognized John Nunnari for the purposes of introducing two guest speakers. He gave an overview of Vincent Martinez and Charles Eley's background and both presented a PowerPoint 20 07-06_MA BBRS Energy Committee_ZERO Code (**EXHIBIT C**). Both Mr. Martinez and Mr. Eley walked through the Power Point slides.

Adelle Reynolds asked for clarification on the enforcement of renewable energy requirements. Mr. Martinez responded with the building official would only need to confirm the project conformance with the renewables used to qualify the project conformance with the requirements and would not need to monitor after the C of O.

Adelle Reynolds asked if municipalities would be required to confirm offsite energy used by a project to demonstrate conformance with the requirements. John Nunnari spoke about the putting his proposal in the stretch code. He talked about some different methods the proposal could be adopted; a new appendix put in the stretch energy code, or an option to the stretch energy code.

Tom Moberg asked about this proposal proposed as an option in the IECC 2021. Vincent Martinez confirmed the version working through the ICC process would be optional.

Jonathan Bruce expressed concern that the proposal appears to create a market for purchasing renewable energy.

John Nunnari talked about the IECC 2021 and the Mass amendments will influence energy efficient buildings, and create energy onsite or off site and this can reduce greenhouse gasses.

Vincent Martinez expressed his thoughts with respect to this effort is in part about creating new energy resources.

Jonathan Bruce spoke about the proposal does not improve the building energy efficiency but shifts combustion from the building energy systems to another location. He also spoke about the requirements increase design costs and why the need to regulate if the returns for implementing the requirements in the proposal are real.

Vincent Martinez spoke about the proposal and why he believes the requirements encourage folks to conform to the proposal requirements as oppose to it a mandate.

Jonathan Bruce spoke about creating carbon from the building energy systems challenges the notion of having net-zero emissions. He also spoke about the proposal creating offsite renewable energy markets and questioned whether the building code can regulate.

Emily Paparella spoke about a net-zero definition might come from information on one of the slides in today's presentation; on-site renewable energy systems shall be installed or off-site renewable energy shall be procured to offset the building energy.

John Nunnari spoke about a building design fee does not change because of code changes. This does speak to the construction costs but he believes situation whereby the building owner holds onto the building, that the benefits from utilizing the MA AIA proposal will happen. Public policy and regulation needed to move people in this direction.

Jonathan Brice asked John Nunnari if a buildings designing to the 2021 codes cost more than a building designed to the code in effect in 1990. John Nunnari thinks the design costs are the same.

Chairman Meskus spoke about the costs of offsite energy and an all-electric building needs to rely on electricity from offsite sources, and he thinks the cost to operate the building is expensive.

Vincent Martinez spoke about a net-zero energy code has been a goal and expressed that achieving relies on renewable energy sources.

Jonathan Bruce spoke about this committee's task is to vet the proposal.

Charles Eley spoke about offsite energy systems tend to be less expensive to operate.

Chairman Meskus asked Charles Eley about building to the IECC 2021 and the utilization of green energy might require contracts, which secure offsite renewable energy, and whether the building official has to confirm the contract exists at the permit stage? In addition, who is responsible for monitoring the contract stays in place? John Nunnari thinks that point is not addressed in the proposal and this proposal is unlike any other requirement in the building code. He spoke about not opposing the EAC moving to have building officials involved with the contracts secured beyond the building permit stage.

Chairman Curtis Meskus asked the group about interest in adopting the AA108 Minimum Renewable Energy definition in the power point presented today. He reviewed the 4 task assigned to the EAC by the BBRs; Examine the feasibility, Determine the cost impacts, Consider legal implications of what the proposal requires, and Identify all the technical implications.

On-site renewable energy systems shall be installed or off-site renewable energy shall be procured to offset the building energy.

$$RE_{onsite} + RE_{offsite} > E_{building}$$

Chairman Curtis Meskus thinks the proposal feasible and Emily Paparella agreed.

Tom Moberg questions that net-zero definition and spoke about the presentation planned for next month's meeting might introduce changes to this definition.

Jonathan Bruce spoke about the four tasks given to this group by the BBRs and providing a recommendation with the proposal not necessarily included. He thinks this group should begin to develop a report to the BBRs, which addressed the four tasks.

Chairman Curtis Meskus thinks the group has examined the proposal and believes it feasible.

The committee had a general discussion about determining the cost impacts. Adelle Reynolds thinks the committee should recommend where in the code the proposal should be located.

Emily Paparella spoke about the group deciding on a net-zero definition and that the Power Point presented today includes AA 108, which has a definition. Jonathan Bruce did not agree with that definition.

Chairman Curtis Meskus thinks the group will need to identify answers to tasks d, c, and d and will have another net-zero presentation. Jonathan Bruce did not agree with hearing another proposal because the BBRs did not give this committee tasks related to another proposal.

Vincent Martinez spoke about costs associated with the proposal on today's agenda. He also pointed out that achieving compliance could be achieved utilizing more than one compliance path.

Kai Palmer Dunning from NEEP spoke about Daren Port, the author of the North East Energy Partnership new-zero proposal heard by the BBRS during the May meeting. He also spoke about Mr. Port having technical difficulties and that Mr. Port asked him to request that the NEEP stay on next month's EAC agenda.

Kevin Rose from National Grid spoke about having a public document, which addresses costs relating to the stretch code.

4. **Adjourn.** On a **MOTION** by Jonathan Bruce, seconded by Adelle Reynolds, it was a unanimous vote to adjourn the regular meeting at about 12:10 pm. Adelle Reynolds, Tom Moberg, Curtis Meskus, John Anderson, Jonathan Bruce, Ian Finlayson, and Gabriel Stallions all voted in the affirmative. Emily Paparella had signed out of the meeting about 12:00 pm.

EXHIBITS:

- A. Meeting Agenda
- B. Minutes for the June 1, 2020 Energy Advisory Committee (EAC) meeting as amended.
- C. 20 07 06_MA BBRS Energy Committee_ZERO Code.