

**Concord Middle School Building Committee
Sustainability Subcommittee
Meeting Minutes
October 17, 2019**

PRESENT: Mike Carroll (Hill International), Frank Cannon, Kate Hanley, Russ Hughes, Laurie Hunter, Charlie Parker, Matt Root, Jared Stanton

Call to Order

Mr. Root called the meeting to order at 7:40 AM in Conference Room 4 of the Ripley Building.

Approve meeting minutes from 9.11.19 meeting

A motion was made by Mr. Cannon, seconded by Mr. Hughes, to approve the minutes from the 9.11.19 meeting. The motion was unanimously approved.

Present dry run of the Sustainability presentation to be given to the full Building Committee

Ms. Hanley began presenting a dry run of the Sustainability presentation to be given to the full Building Committee.

Public Comments:

Brian Foulds shared several suggestions, including adding what attracted Ms. Hanley to the role and talking to how well positioned the town was during the vote she speaks about in the presentation.

Karlen Reed suggested finding a different quote to use on the first slide.

Linda Neelan, from Mothers Out Front, suggested changes to font and text.

Mr. Root continued with the dry run of the presentation and Mr. Carroll made some suggestions, including providing hard copies of the presentation. Regarding sustainability efforts on previous school projects, Mr. Cannon stated that sustainability was not around when the 3 Concord elementary schools were built and Dr. Hunter noted that there were a lot of sustainability efforts at Willard and the High School. The Subcommittee discussed the best way to capture and present their information on the slides.

Mr. Parker continued with the next section of the presentation which focused on EUI and energy use. Mr. Root reviewed the final slides on how to achieve the goals they have chosen, including determining the designer they will work with.

Improve the presentation

Mr. Hughes recommended including the slide on EUIs for each school in Mr. Parker's packet and including a definition of EUI. He also questioned emergency power sources at net zero schools and Mr. Parker stated that they didn't include emergency power sources in the definition, noting that this would be a separate design issue. Mr. Carroll stated that they don't need emergency power since it's not a shelter, but that they would have backup power.

Public Comments:

Ms. Neelan questioned the difference between putting solar panels onto the building and being solar ready and Mr. Parker stated that solar ready acknowledges the fact that the Light Plant would be responsible for the installation of generation. Mr. Root stated that they are focusing on energy efficiency first and minimizing the loads as much as possible, noting that they could always install solar panels later on.

Ms. Reed questioned why they are not using the new Minuteman Vocational Technical School as a peer and Mr. Carroll stated that he could provide the subcommittee information on the new school buildings in Watertown, noting that vocational technical schools have different requirements since their power consumptions are greater.

Regarding going for Passive House certification, Mr. Carroll stated that he didn't believe schools could be built to Passive House right now, noting that they could build with Passive House ideas and concepts. He also stated that they haven't discussed 149 lump sum low bid vs 149A CM at risk yet, noting that Passive House would combine these more than a bid would allow.

Dr. Hunter noted that they are at the early stages of this discussion, stating that this subcommittee will be bringing their ideas to the larger committee.

Public Comment:

Mr. Foulds suggested having the presentation focus on how they will be doing things instead of focusing on a number to try and reach.

Mr. Carroll suggested trimming the presentation down to meet the 45 minutes they were aiming for and also gave suggestions for the EUI part of the presentation, including giving solid examples of how they can improve energy efficiency. Dr. Hunter noted that she also felt concrete examples would be very helpful for those who don't understand the technical terms they are using. Mr. Stanton noted that they need to use terms that the community can relate to.

Public Comment:

Mr. Foulds stated that the focus should be around picking a designer that they will trust can accomplish what they are looking for.

Adjournment

A motion was made by Mr. Cannon, seconded by Ms. Hanley, to adjourn the meeting. The motion was unanimously approved and the meeting adjourned at 9:22 AM.

Respectfully Submitted,

Erin Higgins
Recording Secretary

Approved: 1.8.20

Abbreviations:

CMLP	Concord Municipal Light Plant
CMS	Concord Middle School
EUI	Energy Use Intensity
RFS	Request for Services

ZNE

Zero Net Energy