

Minutes for CMSBC Sustainability Subcommittee - Jan 13, prepared by Charlie Parker

Attendees: Charlie Parker, Frank Cannon, Kate Hanley, Laurie Hunter, Matt Root, Russell Hughes, Kristen Olsen, Martine Dion, Lois Arena, Duclinh Hoang, Ian Parks, Peter Martini

Meeting was convened by Matt Root, Chair, on Jan 13 at 2:32PM

Climate Bill Update:

Kate Hanley presented a brief update on the status of the MA Climate Bill. It has been signed by the Legislature and is awaiting the Governor's signature. Bill includes a local option for a Net Zero Stretch Code that municipalities can adopt, starting in 2022.

SMMA Presentation: 'Sustainability Subcommittee' Jan 13th, 2021

- Presentation was delivered by SMMA staff and covered Energy Performance/Net Zero Ready, HVAC, Lighting, and Plumbing, as well as goals and project phases.

Comments during presentation included:

- Matt Root asked Russ Hughes to comment on Controls. Our schools use Johnson Controls and SMMA made the point that we have two options for our bid for control systems: proprietary or competitive with the latter being less expensive.
- Matt Root asked for thoughts from the SMMA HVAC presenter on how ventilation system designs were changing in response to COVID. Presenter indicated that one impact is on MERV filtration. The ASHRAE range is 13-16 and some schools pursue the better (higher) filter standard.
- Charlie Parker asked about energy recovery and HVAC presenter indicated that energy recovery is a basic component of DOAS systems.
- Kate Hanley commented on the possible impacts of rooftop units on availability of the rooftop for solar. Martine indicated that the impact will not be significant in terms of meeting standards and that canopies can be built on top of the systems to broaden available area if necessary.
- Matt Root asked about the need for freeze protection on stand-by generator sizing. Presenter indicated that it is a major consideration in standby generator size and cost. Russ Hughes indicated that our back-up generators at our schools do not address freeze protection and average 150KW in size vs 500KW as listed in the SMMA schedule for our CMS building. There are savings opportunities here.

## Summary of Sustainability Elements and Costs detailed by SMMA from last year

- Schedule and costs were detailed by Matt and flagged as a response to the initial cost estimate. Detail is available on the Building Project website under Sustainability Subcommittee Recommendations. Matt recommended that this schedule should be reflected in our materials and deliberations as we proceed, as this schedule has already been recommended to the CMSBC by the Sustainability Subcommittee and served the specific purpose of providing guidance based on the initial cost estimate.
- Charlie Parker raised the issue of automated internal shading (this had been included in the original SMMA materials on sustainability and pricing for the various options). SMMA committed to address both internal and external systems and architectural detailing for glare and shading control.

Kristen requested written feedback on the SMMA presentation by Monday (input and/or questions). Matt would like to receive these comments by Sunday, Jan 17.

Matt displayed a draft matrix of the current sustainability metrics under consideration. Further discussion of these metrics will occur in the next two meetings, where upon a final list will be voted on to move to the full Committee.

Motion to adjourn by Kate Hanley at 3:53, seconded by Frank Cannon.