

**ZEAB**  
**Zero Emissions Advisory Board**  
**Minutes**

August 3, 2022 10:00 AM

Meeting held remotely on Zoom due to COVID-19

ZEAB Members in attendance: Jesse Gray, Chair, Kathleen Scanlon, Wendy Stahl  
Calvin Thompson, Werner Lohe

Public Attendees: Deborah Rivers, John Harris, Susan Martin,

Staff: Thomas Barrasso, Director of Sustainability

Chairman Jesse Gray opened the meeting and welcomed the members and the public and announced this meeting was being recorded.

**Approval of Minutes** of 7/6/2022 with correction– Wendy motioned to approve minutes  
Kathleen seconded.

Calvin - Yes	Wendy – Yes	Jesse - Yes
Kathleen – Yes	Werner – Yes	

**Larz Anderson Ice Skating rink -**

Commissioner Erin Chute Gallentine Under jurisdiction of Park and Open space and Recreation this is a seasonal ice skating rink opened from December 1<sup>st</sup> – March 1st 60 year old facility . Signification repairs, emergency repairs have had to be done.

- Task force needs of community
- Length of the season
- Safety consideration
- Need for changes in design

Consultants Randy Lieberg and Mark Kilopfer were introduced. Selected as lead

Mark presented the Brookline rink and Recreation feasibility study Putterham and Larz for sites became clear that Larz preferred site

- Existing conditions
- Zoning design standards
- Project scope
- Traffic and parking
- Cost estimate

- Requirements
- Indoor vs out door
- Historic character

Randy: skating rinks refrigeration rink in order to maintain ice and consistent ice – Artificial refrigeration is necessary. Ice rinks are one of the energy hogs.

Using renewable energy and refrigeration types safer for the environment

Looking at addition of using tools that are already available, utilize other technologies to bring energy hog down upward of over 50 – 60%.

Surrounded buildings in terrible shape, many temporary refrigeration trucks are parked here, very costly, loud take up space. The situation around the site is not very good.

- Looked at alternatives
- Open vs covered
- Site strategy
- Building
- Parking
- Six different schemes were presented. The preferred scheme was chosen through the public process.
- Upper and lower rinks maximum amount of flexibility.
- Summer off-season could be used as well (without ice) for recreation

More studies to be done

- Permitting
- Traffic and Parking
- Construction cost estimate
- Design standards

### **ZEAB Board Questions/Comments**

Jesse thanked them for coming this early in the process.

Municipal building be Net-Zero. Comments should relate to emission goals for the project. That is the scope of review of this board.

Kathleen Scanlon: More open pavilion type covered structure is more energy intensive solution than an industrial looking closed building?

Covered vs enclosed which has higher emission?

Randy: the closed building will have slightly more emission.

Wendy: The report “analyze the future of skating” no information was seen in the report. Is there any data? Hoping extreme analysis of lifetime emissions, covered vs closed as well. Important to have on-site solar capacity to accommodate 100 percent.

Erin Gallentine: future of ice skating in Brookline. The community feels it is important for Brookline to have ice skating,

Wendy Sheridan Ames: Facility is well loved, well used. Number of visits through the course of the year. Park and recreation are dedicated to preserving recreational facilities in Brookline.

Werner Lohe: problems with audio) emailed his comments

Part of what I would have said follows:

The chair's comment that ZEAB's focus needs to be emissions is 100% correct—there is more than enough work for us on just that.

Even though the Preliminary Feasibility Study does a good job in addressing climate issues, the presentation said, "We're *looking at* fossil fuel free," though that was later followed by, "It can be entirely electrically driven." Given the complexity of the Town's design process, it is important to be clear about exactly when a formal *commitment* to FFF will be made in writing. Is that part of the "program" prepared pursuant to Building Commission Bylaw 3.7.2.(a)?

As Ms. Gallentine said, "net zero" needs to be clearly defined for this project. Is it about zero on-site GHG emissions only, or zero on-site emissions (FFF) plus purchase of 100% renewable energy, or zero emissions plus "net zero on-site energy," or something else? Does it include embodied carbon analysis and the issues Ms. Stahl raised, or which parts of that sort of analysis? A clear definition of the standard(s), and then a formal commitment to it is critical.

Finally, more thought should be given to energy efficiency metrics calculated not only at the time of construction, but also as the climate warms. How will the building perform in 2050, when outdoor temperatures even in January will be much higher than now?

Mary DeWart : Important between difference between Net Zero and fossil fuel free. Importance of construction and Energy hog level is important – Transportation use, climate action plan items. Thanked the board

Diane Sokal: Vehicle admission to get to and from the site it critical minimally served by public transit. Many fossil fuel vehicles. Other sites closer to transportation. Fossil fuel building is not consistent with Towns sustainability goals.

Avi Urbas : Remind people our task was to come up with solutions and options. Looking to find ways to have best possible outcome. Hearing from other groups of the cost of the project. Would like to set standard at the highest point set them as targets. Show cost of solution vs cost of environmental solution. Applaud the work the ZEAB is doing.

Jesse; out of time we will take written comment will take it up at next meeting. Thanked the presenters and all the commenters.

The meeting was adjourned at 11:00 a.m.

