



**DOVER SCHOOL
DISTRICT**

**JOINT BUILDING COMMITTEE
DOVER HIGH SCHOOL AND REGIONAL CTC
MINUTES**

Meeting Type:	Regular Meeting
Meeting Location:	Gourmet's Table, Dover High School Career Technical Center
Meeting Date:	Tuesday, June 2, 2015
Meeting Time:	4:30 p.m.

- I. **CALL TO ORDER AND ROLL CALL:** A meeting of the Dover High School and Regional Career Technical Center Joint Building Committee was called to order on Tuesday, June 2, 2015 at 4:36 p.m. at the Gourmet's Table at the Dover High School Career Technical Center. Present were Robert Carrier, Jason Gagnon, Mark Geuther and Amanda Russell and. Matt Severson was excused. Also present were Superintendent Elaine Arbour, Business Administrator Karen Taylor, Dover High School Principal Peter Driscoll, CTC Director Louise Paradis, Facilities Director Jeff White, HMFH Project Director Laura Wernick, HMFH Project Manager Tina Stanislaski, HMFH Project Coordinator Bobby Williams, HMFH Architect for Sustainability Chin Lin, Garcia Galuska DeSousa Project Engineers Carlos De Sousa and Keith Lane, Nobis Engineering Civil Project Manager Erin Lambert, Eversource representative Gary Lacasse, PC Construction Vice President Joe Picoraro, PC Construction Senior Project Manager Garret Bertolini, PC Construction Project Manager Scott Blair, citizen Michael Benham, citizen and state representative Peter Bixby and Dover Energy Commission representative Laura Raineri. Sarah Greenshields arrived at 4:48pm.
- II. **APPROVAL OF MEETING MINUTES FROM MAY 18 and 19, 2015:** Jason Gagnon moved / seconded to approve the minutes of the meeting listed. An oral **VOTE PASSED 4/0**.
- III. **CITIZENS' FORUM:** There were no citizens present.
- IV. **FINANCIAL REPORT:**
 - a. **AUTHORIZATIONS:** Ms. Taylor stated that the manifest DHS-CTC 005to be approved for payment today was in the amount of \$77,722.48, which is the total of the current DHS expenses \$67,639.74 and the current CTC expenses \$10,082.74. (see attachment A)
Amanda Russell moved / Jason Gagnon seconded to pay the aforementioned manifest the amount of \$77,722.48. A rollcall **VOTE PASSED 4/0**.
- V. **EVERSOURCE"GREEN CHARRETTE":** Ms. Wernick introduced what she referred to as the core of their high performance team (HMFH Architect for Sustainability Chin Lin, Garcia Galuska DeSousa Project Engineers Carlos De Sousa and Keith Lane and Nobis Engineering Civil Project Manager Erin Lambert). Mr. Lin presented the "High Performance Charrette". (see attachment B) Mr. Lin asked what the desired goals for the project were. Key discussion points were
 - a. Diversity of renewable energy sources (geothermal, solar, wind)
 - b. Utilization of a combination of renewable energy and energy efficiency measures
 - c. Ability to use building systems as interactive learning tools for students
 - d. Importance of training on systems so they are functioning effectively in order to achieve sustainability goals



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Project Goals identified were:

- Transparent process
- Variety of spaces for learning
- Spaces that provide collaboration areas for teachers and students
- Integrated high school and CTE programs
- Central hub- “town square” for community and school use
- New facility needs to be flexible and future proof
- Current facilities lack STEM opportunities
- New facility should be able to adapt to future STEM courses
- STEM should actually be STEAM to include Art
- New facility should be inviting and accessible
- Life cycle cost analysis is important for all systems and materials
- Building should last 50 years before systems need to be replaced
- Actual building should outlive the systems-beyond a 50 year life
- Green solutions that are tried and true not necessarily “new and cool” or trendy
- Climate control is important for safety and to allow students and staff to focus on learning
- Project should be “Net Zero Ready”
- Stormwater collection system should be installed if it can save operating costs-water costs are high
- Other sites elements to study during design to offset the high water use costs are: green roofs, rain gardens, bio retention swales, tree boxes.
- The new school should act as a teaching tool for students and for community members to promote energy and water conservation, recycling and other green principals.
- The school should change people’s behavior.
- Building should be an example for the community
- When it was originally built, Dover High School was state of the art. Find a way to future proof the new building so it can adapt to the changes that will occur during its lifetime.
- The site should be bike friendly. Install bike paths that connect to town bike paths.
- There are two bus lines that have stops adjacent to the high school.
- New facility should be PV ready.
- Solar heated water and air should be considered.
- CHP should be considered.
- Green energy should be diverse.
- A modular green energy system should be designed that could be expanded over time.
- Net metering program could be set up with Eversource for PV electric generated over the summer while school is not in full use. This could provide an energy bill credit for the school.



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- HMFH will explore Safe Harbor plan for PV with Solar Design.
- Geothermal should be studied as part of the cost pay back of the project.
- Control system options should be looked at for energy savings.
- Good solar orientation for the classrooms is important.

Building Use Schedule

- CTE spaces are used after hours as Adult Learning Center.
- If the school had air conditioning, it would be used during the summer.
- Gym and Auditorium will have longer hours and summer use.

Mr. Lacasse shared that Eversource is available as a resource to look at efficiency systems and they provide higher rebates for schools, as well as an outside consulting firm to work with us through the design stage. He also indicated that Unitil offers gas rebates and project counseling. Ms. Lambert mentioned that they will be looking into a variety of water retention options that will also be able to be integrated into curriculum. Mr. Lin mentioned that there will be significant challenges in integrating many of the renewable energy sources and energy efficiency systems due to the structural limitations of the current building.

VI. MATTERS OF INTEREST: The committee decided to add a meeting to the calendar on Tuesday, June 23, 2015. Dr. Arbour handed out copies of the contract with PC Construction and shared that an electronic version of will be forthcoming for review at the next meeting. (see attachment C)

VII. BUILD NEXT AGENDA & REVIEW ACTION ITEMS:

- a. Review city website project page
- b. Review Pre-Construction Management Services contract

VIII. ADJOURNMENT: Amanda Russell motioned / Sarah Greenshields seconded to adjourn the JBC meeting at 6:44 p.m. An oral **VOTE PASSED 5/0.**

Respectfully submitted,

Melissa Glidden

Melissa Glidden, Recording Secretary