

Net Zero Task Force

A committee for net zero metering in Derry, NH

Thursday, October 20, 2016

6:00 PM

14 Manning Rd. Derry, NH 03038

Board Members

Brewster Bartlett	Josh Bourdon
John Burke	Nick del Etoile
Mike Fowler	David Granese
Anthony Marciano	Ken Linehan
Jeff Moulton	Mary Till
	Will Stewart

Minutes

-Call to Order: Chairman Jeff Moulton called the meeting to order at 6:07 PM.

-In attendance: Jeff Moulton, Josh Bourdon, Anthony Marciano and Ken Linehan plus Nick del Etoile & Mike Fowler on the phone

Mary Till arrived at 6:11 PM.

-Absent: Dave Granese, Brewster Bartlett, John Burke and Will Stewart

-Consent agenda:

Approval of minutes from September 15th meeting.

Motion made by Josh Bourdon to approve items in consent agenda

Motion seconded by Jeff Moulton

Motion passes unanimously; Anthony Marciano and Ken Linehan abstained

-Bylaws Update

Discussion ensued around modifying the membership of the committee to create alternate members and thereby lower the number of members for a quorum to five (5).

Motion made by Josh Bourdon to modify the bylaws as shown in the attachment

Motion seconded by Ken Linehan

Motion passes unanimously

-Pinkerton Academy update

In Brewster's absence Jeff and Josh provided an update on the status from Pinkerton Academy.

- An invitation will be sent to PA's Business Manager, Michelle LaMarre-Waldie, to attend our next meeting. She is in favor of "Green Initiatives".
- The committee is willing to evaluate the current infrastructure to help determine on which buildings on campus to focus. Since there is little sub metering it is difficult to identify which buildings are energy efficient and which may not be.
- PA has an LED lighting initiative ongoing in partnership with Eversource.

-Derry schools update

There was discussion on how this committee could help the school district with the execution of their contract with Honeywell. It was decided that a meeting was not necessary.

-Derry municipal update

- Mike Fowler shared previous examples on what the town has done to reduce its energy usage.
- In 2008/09 the town hired an auditor that was paid with ARRA funds to help identify opportunities for energy cost savings.
- They engaged with Eversource on LED lighting initiative for buildings and street lights. Projects with a payback of 4 to 7 years would be considered.

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- Mike Fowler will work to get some pricing on putting solar panels on town buildings. The goal being for both educational purposes and of demonstrating a commitment to reducing energy usage.
- Josh Bourdon will investigate what can be done to incentivize implementation of green solutions in our town. He will investigate how other towns maybe accomplishing this.

The EPA energy usage model is complete as best can be accomplished with the information available.

-Next meeting is scheduled for 17-November @ 6:00 PM

Meeting was adjourned at 7:35 PM

Respectfully Submitted,
Ken Linehan

Derry Schools
Honeywell Proposal for Energy Efficiency Project
Comments from Derry Net Zero Task Force
June 18, 2016

Observations:

- Schools buildings have been modeled (EPA tool) and rank as follows compared to similar buildings throughout the USA, with adjustments for climate zones and other factors:

Derry Schools Analysis - EPA Tool					
School	Yr Built	Site Energy Use	Energy Bill (\$)	Sq Ft	Ranking Nationally
Ernest Barka	2005	154.6		93,809	2
South Range	1966	123.2		52,307	2
Derry Village	1967	94.0		61,788	19
West Running Brook	1995	69.4		112,037	36
Hood	1952	65.5		168,919	37
East Derry	1986	75.3		58,874	45
Grinnell	1950	60.8		80,047	74
SAU	1901	84.6		8,317	78
Total				636,098	

Note: Ranking is compared to other similar buildings nationally. Score of 2 means that 98 out of 100 other buildings have better energy performance.

- Some school facilities need urgent replacements and/or updates. Significant energy reduction opportunities have been identified by the Honeywell assessment.
- Proposal from Honeywell is a comprehensive project to update all school buildings:
 - Pros
 - Well known, reputable supplier
 - Familiar with school needs via the previous assessment
 - Ability to start project in the near future
 - Cons
 - Negative \$2.5M cash flow for 20 year project
 - \$15M Project - not clear if Honeywell is giving schools their best price – no competitive quotes
 - 20 Year guaranteed energy savings are contingent on performance by Honeywell and the Schools
 - Requires professional support for commissioning and to enact periodic report recommendations from Honeywell
 - No money is allocated in this project for the schools to perform these functions or for buying materials that be required from the Honeywell reports
 - What would be the impact on the building EPA scores if the Honeywell recommendations are followed?

- Is there the ability to delete a school from the Project without financial penalties (e.g. school closing)
- Recommendations from the Derry Net Zero Task Force:
 - Validate prices from Honeywell
 - Request for Proposal to other vendors, or
 - Ask Honeywell for agreement to follow government price list; Honeywell to provide detailed price list for validation
 - If price reductions are not achievable, re-prioritize project to achieve break-even point

Develop a commissioning and performance team and yearly budget to support the Honeywell project or evaluate a 3rd