

Net Zero Task Force

A committee for net zero metering in Derry, NH

Thursday, June 16, 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 6:03 PM.

-In attendance: John Burke, Mary Till, Jeff Moulton, Anthony Marciano, Nick del Etoile, Dave Granese and Ken Linehan, Brewster Bartlett arrived at 6:09 PM.

-Absent: Josh Bourdon, Mike Fowler, and Will Stewart

-Also in attendance: Tom Cardon

-Consent agenda:

Approval of minutes from May 19th meeting.

Motion made by Mary Till to approve items in consent agenda

Motion seconded by Nick del Etoile

Motion passes unanimously; David Granese abstained

-Pinkerton Academy energy usage update

Brewster Bartlett was able to obtain more details around energy usage. However not all buildings have individual meters making the analysis difficult. As well the business controller with whom Brewster was working, left Pinkerton.

-Derry schools energy usage update

A review of the Honeywell proposal to the school board was provided by Ken Linehan and Jeff Moulton both of whom attend the 7-June meeting. A few questions were raised such as;

- Will the computer balance system be needed in 20 years? If desktops are replaced by laptops there will be no need for this system
- We should ensure the school district shares energy usage by school after the upgrades are made.
- We should look to share the EPA website access with the school district, Honeywell and the town.
- It was recommended that a 3rd party commissioning be evaluated to ensure the systems are performing at peak efficiency.
- Jeff Moulton drafted a letter to the school board from the committee and Ken Linehan took the action to deliver the letter.

-Action item: Ken Linehan to forward the committee's letter to the school district – DONE, see attached.

-Derry municipal energy usage update

In Mike Fowler's absence, the topic of the town energy usage was tabled until the next meeting

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-Next meeting has been rescheduled for 18-August @ 6:00 PM

Meeting was adjourned at 7:33 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	SEER Energy Index	Energy Bill (\$)	SEER	Rank (the National)
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