

NEW MILFORD BOARD OF EDUCATION
New Milford Public Schools
50 East Street
New Milford, Connecticut 06776

FACILITIES SUB-COMMITTEE
MEETING NOTICE

GEORGE C. BUCKBEE
TOWN CLERK *gm*
2009 NOV 24 P 2:27
NEW MILFORD, CT

DATE: December 1, 2009
TIME: 6:30 P.M.
PLACE: Lillis Administration Building—Room 2

AGENDA

- 1. Call to Order**
- 2. Public Comment**
The Board welcomes Public Participation and asks that speakers please limit their comments to 3 minutes. Speakers may offer objective comments of school operations and programs that concern them. The Board will not permit any expression of personal complaints or defamatory comments about Board of Education personnel and students, nor against any person connected with the New Milford Public School System.
- 3. Discussion and Possible Action**
 - A. Booster Club Presentation regarding Installation of Restrooms at the High School Field House**
 - B. Energy Education Presentation by Mr. Bill Knipple**
 - C. Security Plan Overview**
- 4. Adjourn**

Sub-Committee Members: **Mr. Thomas McSherry, Chairman**
Mrs. Wendy Faulenbach

Alternates: **Mrs. Alexandra Thomas**
Mr. David A. Lawson



New Milford Public Schools

Energy Program Update

Bill Knipple - Energy Manager

October 2006 – September 2009

Primary Goals

Energy Management Program

- Maintain Comfort & Safety in Occupied Areas
 - Coordinate usage of facilities and monitor operational efficiency of equipment vs. design
- Eliminate Energy Waste
 - Audit buildings during unoccupied times.
 - Monitor building usage during occupied times
 - Track & analyze consumption for building efficiency
 - Use web-based tools & diagnostic loggers to track waste
 - Maintain energy policy and guidelines
- Save Dollars
 - Minimize consumption and demand charges
 - Audit and monitor utility bills & meters for errors or overcharges
 - Evaluate usage trends for abnormalities



Measurement and Verification (M&V) Methods

- ❖ Measurement and verification (M&V)" is the terminology commonly used to describe the practice of measuring energy savings and verifying cost avoidance. Energy CAP 's Cost Avoidance module is an M&V tool.
- ❖ The U.S. Department of Energy recently headed an effort to develop a written standard to define and describe various M&V options. Energy CAP is considered an "Option C -- Whole Building" method of M&V under this standard.
- ❖ The standard, called the *International Performance Measurement & Verification Protocol* is U.S. Department of Energy document (DOE/GO-102002-1554)
- ❖ Energy CAP is an independently owned and developed software product in full compliance with this government standard.
- ❖ New Milford Public Schools is a licensed User of the software tool.



Comparing Apples to Apples

In order to make a valid comparison between consumption in the Base Year and consumption in a Savings Year certain criteria must be taken into account.

- ❖ Changes in Weather
- ❖ Changes in Building Square Footage
- ❖ Differences in the length of the Billing Periods
- ❖ Special Adjustments (changes in equipment or programs)

The accounting program adjusts the Base Year consumption to reflect these changes and an Apples to Apples comparison is achieved.



Cost Avoidance by year in district (\$)

<u>YEAR</u>	<u>COST AVOIDANCE</u>
10/06 ~ 09/07	\$193,229
10/07 ~ 09/08	\$316,878
<u>10/08 ~ 09/09</u>	<u>\$568,750</u>
10/06 ~ 09/09	\$1,078,857



Cost Avoidance by year in district (%)

<u>YEAR</u>	<u>COST AVOIDANCE</u>
10/06 ~ 09/07	13.7%
10/07 ~ 09/08	17.3%
<u>10/08 ~ 09/09</u>	<u>24.5%</u>
10/06 ~ 09/09	19.4%



Cost Avoidance by school for program to date

<u>SITE</u>	<u>CA (\$)</u>	<u>CA (%)</u>
CO	\$22,215.02	12.34%
FB	\$4,219.65	32.55%
FFH	\$1,332.11	6.36%
HPS	\$65,926.72	14.73%
JPS	\$42,601.16	10.46%
NES	\$74,679.58	16.54%
NMHS	\$365,340.19	18.33%
SMS	\$196,623.59	22.22%
SNIS	<u>\$305,918.82</u>	<u>26.26%</u>
 TOTALS	 \$1,078,856.84	 19.39%



**New Milford Board of Education
Facilities Sub-Committee
December 1, 2009
Lillis Administration Building, Room 2**

Present:	Mr. Thomas McSherry
	Mrs. Wendy Faulenbach
	Mrs. Alexandra Thomas
	Dr. Lisa Diamond, Board Chairman

Also Present:	Dr. JeanAnn C. Paddyfote, Superintendent of Schools
	Mr. John Calhoun, Facilities Manager
	Mr. William Knipple, Energy Education Manager
	Mr. John Turk, Director of Finance

1.	The meeting of the New Milford Board of Education Facilities Sub-Committee was called to order at 6:30 p.m. by Mr. McSherry. Mrs. Thomas was seated as an alternate.	Call to Order
2.	Public Comment	No public comment
3.	Discussion and Possible Action:	Discussion and Possible Action
3A..	<p>Booster Club Presentation Regarding Installation of Restrooms at the High School Field House</p> <ul style="list-style-type: none"> Mr. Marty Montero, Mr. Michael Roberts and Mr. Ray Saracino were present from the Booster Club regarding the installation of restrooms at New Milford High School field. Currently the two— year- round porta-potties are leased for \$360/month. A design for a building with six commodes and two sinks was presented at a cost for materials of approximately \$40,000; all labor will be volunteered. The Booster Club will be sponsoring fundraising activities, searching for grants and other donations for the material cost. Mrs. Faulenbach asked about the time frame; Mr. Montero replied work would start in the summer and take about three to six months for completion. Water and sewer are available at the site. No disruption of the fields would occur; the driveway to the booster club building can be used. Questions were raised as to exterior lighting and the availability of the facility 24/7. Mrs. Thomas commented that the Board's attorney should be consulted to determine that all necessary steps are taken regarding accepting the project. Mr. McSherry noted that the concept can be approved by the Board and details worked out prior to accepting the donation. <p>Mrs. Faulenbach moved to bring this project to the Board for approval. Mrs. Thomas seconded the motion which passed unanimously.</p>	<p>Booster Club Presentation Regarding Installation of Restrooms at the High School Field House</p> <p>Motion passed unanimously to bring the Booster Club project to the Board for approval.</p>

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TOWN CLERK
gm

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NEW MILFORD, CT

3B.	<p>Energy Education Presentation by Mr. Bill Knipple.</p> <ul style="list-style-type: none">Mr. Knipple reported the first three years of this program are now complete. He explained the goal of the program is to minimize consumption of utilities outside of the school day. Software is licensed for New Milford Public Schools for measurement and verification of utility usage. Cost savings have increased over the three years using four years ago as the basis for comparison; the current year has a savings of 24.5%. Included in Mr. Knipple's report was a breakdown of savings at all district buildings. The total savings or cost avoidance to the district for the three year period is \$1,078,857. <p>Hill and Plain and Pettibone savings were lower than other schools which are newer structures with updated systems.</p> <p>Mrs. Thomas suggested a recognition day for those staff members instrumental in affecting the savings. Also, giving students the opportunity for awareness of the contribution to not only cost savings, but the environment.</p>	Energy Education Presentation by Mr. Knipple
3C.	<p>Security Plan Overview</p> <ul style="list-style-type: none">Mr. Calhoun distributed the Security Plan 2009-2010 for district buildings. Some of the items were part of the grant such as doors; access controls; speed bumps; gates and some cameras. <p>Access controls listed as 90% complete as the district is waiting for badges for employees; Hill and Plain cameras are waiting for hook-up, all wiring is in place.</p> <p>Mr. Calhoun noted other items that will be reviewed i.e. adding cameras to pan areas where there are security issues; numbering all exterior doors, etc.</p>	Security Plan Overview
4.	<p>Mrs. Faulenbach moved to adjourn the meeting at 7:15 p.m., seconded by Mrs. Thomas. Motion passed unanimously.</p>	Motion to adjourn the meeting at 7:15 p.m. passed unanimously.

Respectfully submitted,



Thomas McSherry, Chairman
Facilities' Sub-Committee