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

FACILITIES SUB-COMMITTEE MEETING NOTICE

DATE:	March 4, 2014
TIME:	6:45 P.M.
PLACE:	Lillis Administration Building—Room 2

REVISED AGENDA

New Milford Public Schools Mission Statement

The mission of the New Milford Public Schools, a collaborative partnership of students, educators, family, and community, is to prepare each and every student to compete and excel in an ever-changing world, embrace challenges with vigor, respect and appreciate the worth of every human being, and contribute to society by providing effective instruction and dynamic curriculum, offering a wide range of valuable experiences, and inspiring students to pursue their dreams and aspirations.

1. Call to Order

2. Public Comment

The Board welcomes Public Participation and asks that speakers please limit their comments to three minutes. Speakers may offer objective comments of items on this agenda. 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. Energy Education Update
- B. Five Year Facilities Capital Plan Update
- C. Emergency Health and Safety Containment Process at Schaghticoke Middle School

4. Item of Information

A. Water Main Break - SNIS

5. Adjourn

Sub-Committee Members: Dave Littlefield, Chairperson

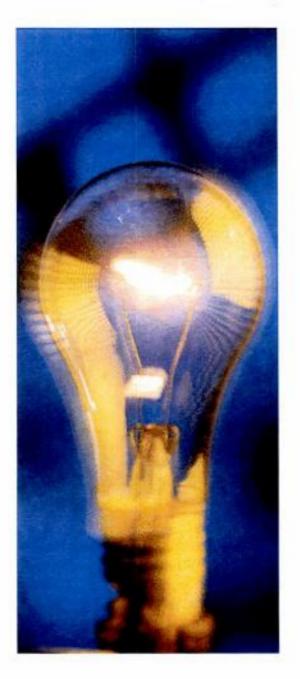
Angela C. Chastain Robert Coppola Wendy Faulenbach

Alternates:

Theresa Volinski John W. Spatola

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NEW MILFORD, CT



New Milford Public Schools

Energy Program Update

Bill Knipple - Energy Manager

October 2006 – September 2013

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 <u>consumption</u> in the Base Year and <u>consumption</u> 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 <u>consumption</u> to reflect these changes and an Apples to Apples comparison is achieved.

Cost Avoidance by year in district (\$)

YEARCOST AVOIDANCE $10/06 \sim 09/09$ \$1,078,857 $10/09 \sim 09/11$ \$769,002 $10/11 \sim 09/12$ \$426,431 $10/12 \sim 09/13$ \$446,047Total\$2,720,337

Cost Avoidance by year in district (%)

YEAR COST AVOIDANCE

- $10/06 \sim 09/09$ 19.13%
- $10/09 \sim 09/10$ 21.44%
- $10/10 \sim 09/11$ 23.23%
- $10/11 \sim 09/12$ 26.82%
- $10/12 \sim 09/13$ 28.17%



GOALS FOR THE CURRENT YEAR

- □ Work on applications for *Energy Star[©]* rating for each of our schools.
- □ Increase communication of savings per building, including cost avoidance dollars and percentages, with staff throughout the district.
- Attend the winter conference in January 2014.
- Redistribute policies and recommendations electronically to all staff.

PRIORITY	SCHOOL	CAPITAL ITEM	2014/15	2015/16	2016/17	2017/18	2018/19
2	NMHS	CONCRETE REPAIRS ON REAR SIDEWALKS - Due to inferior product installation and/or the harmful effects of road salt, several areas of sidewalks and walkways have become unsafe and need total removal and reinstallation. We have patched them as a temporary fix, but that does not last very long.	\$9,300				
3	HPS	CONCRETE REPAIRS ON REAR SIDEWALKS - Due to inferior product installation and/or the harmful effects of road salt, several areas of sidewalks and walkways have become unsafe and need total removal and reinstallation. We have patched them as a temporary fix, but that does not last very long.	\$12,250				
4	NES	REPAIR, RESEAL AND REPAINT PARKING LOT - In an effort to increase the useful life of our parking lots, we will make repairs, reseal and repaint them to make them fully functional and hopefully increase the life by 5+ years.	\$23,250				
5	SMS	ASPHALT REPAIRS, PARKING LOT - In an effort to increase the useful life of our parking lots, we will make repairs, reseal and repaint them to make them fully functional and hopefully increase the life by 5+ years.	\$23,500				
1	DW	SECURITY ENHANCEMENTS D/W - This is monies to be used for new security initiatives district-wide that either have been identified through security assessments, police recommendations or advancements in technology.	\$75,150				
7	SMS	RESTROOM UPGRADES-This is to replace the current single basin sinks with more efficient Bradley basin which will serve as the wash station for the entire rest room area. The unit will have electric eyes to reduce water consumption and attached soap dispensers. Partitions will be repaired and walls will be repainted.	\$16,800				

PRIORITY	SCHOOL	CAPITAL ITEM	2014/15	2015/16	2016/17	2017/18	2018/19
8	SNIS	RETRACTABLE RAMP TO DUMPSTER - When we installed a trash compactor at Sarah Noble a couple of years ago, we needed to install it in an area that wasn't easily accessible by the custodial staff. A temporary ramp has been used up till now, but due to safety issues, a permanent solution must be installed. This ramp can easily be put down with no back or neck strain and can be lifted up and secured when not in use.	\$6,300				
6	NMHS	PARKING LOT LINE PAINTING - Periodically, it is necessary to repaint the lines in the parking lots. At the High School, it is very important as each space is numbered and students are assigned spots. It is also a safety issue as direction arrows, cross walks and the like get faded and cannot guide drivers in the parking lot.	\$7,700				
9	D/W	CUSTODIAL EQUIPMENT REPLACEMENTS - This would be to purchase an Automatic Scrubber, Back Pack Vacuums, Carpet Extractors and Wet/Dry Vacuums with front mount squeegee attachments. Many of these items are over 10 years old and break more often than they run. They do not properly clean the buildings and often introduce more dust and particulate back into the room in which they are trying to clean.	\$11,750				
10	D/W	MAINTENANCE EQUIPMENT REPLACEMENTS - This money would be to upgrade and or replace outdated maintenance and grounds equipment in the district. Included would be small mowers, trimmers, drills, saws and other maintenance related items.	\$5,450				
TOTALS			\$191,450				

RIORITY	SCHOOL	CAPITAL ITEM	2014/15	2015/16	2016/17	2017/18	2018/19
4	HPS	REPLACE PNEUMATIC THERMOSTATS - This is an on- going project where we replace outdated pneumatic controls with a digital control to tie into our Siemen's Energy Management system. This will allow better controls to the classroom heating units resulting in more comfortable temperature ranges and energy efficiencies.		\$5,500			
5	D/W	4WD PICK-UP TRUCK W/ PLOW - This is to replace an older truck with a new 4wd unit with a plow. Trucks are used for moving materials throughout the district as well as for plowing and sanding during the winter months. The truck this will be replacing is 11 years old and rusting away due to the constant exposure of road salt during the winter months. The repair costs on this vehicle are also very high on this unit and don't justify keeping it in the fleet.		\$37,850			
3	D/W	FRONT DECK MOWER REPLACEMENT - This is to replace the older model Kubota that is used to mow, sweep and remove snow. The unit this will be replacing is 19 years old and has paid for itself many times over. The repair costs are very high on this unit and don't justify keeping it in the fleet.		\$33,250			
2	NMHS	REPACE SMALL CHILLER - Monies to purchase a new 158 ton magnetic centrifugal chiller to replace our existing McQuay Model WHS155A Screw Chiller.		\$210,000			
1	SMS	ROOF REPLACEMENT PROGRAM - This is a five year plan to begin replacing the roof at Schaghticoke that dates back to 1973 for many parts of the roof and includes some sections added in the early 1990's.		\$160,000			

PRIORITY	SCHOOL	CAPITAL ITEM	2014/15	2015/16	2016/17	2017/18	2018/19
6	SMS	INSTALL AHU & RTU CONTROLS - This is an on-going project where we replace outdated pneumatic controls with a digital control to tie into our Siemen's Energy Management system. This will allow better controls to the rooftop units which serve many areas of the building with fresh air, heat and air conditioning where available.		\$10,500			
7	D/W	CUSTODIAL EQUIPMENT REPLACEMENTS - This would be to purchase an Automatic Scrubber, Back Pack Vacuums, Carpet Extractors and Wet/Dry Vacuums with front mount squeegee attachments. Many of these items are over 10 years old and break more often than they run. They do not properly clean the buildings and often introduce more dust and particulate back into the room in which they are trying to clean.		\$11,750			
8	D/W	MAINTENANCE EQUIPMENT REPLACEMENTS - This money would be to upgrade and or replace outdated maintenance and grounds equipment in the district. Included would be small mowers, trimmers, drills, saws and other maintenance related items.		<u>\$5,500</u>			
TOTALS				\$474,350			

PRIORITY	SCHOOL	CAPITAL ITEM	2014/15	2015/16	2016/17	2017/18	2018/19
1	LILLIS	UPGRADE ELECTRICAL SYSTEM-This project is needed to upgrade the antiquated electrical system at the East Street administration building. No further components can be added to the building until this system is upgraded. Items such as computer system components, HVAC devices and the like will need to be added to that building in the near future.			\$389,000		
2	SMS	ROOF REPLACEMENT PROGRAM - This is a five year plan to begin replacing the roof at Schaghticoke that dates back to 1973 for many parts of the roof and includes some sections added in the early 1990's.			\$360,000		
7	NMHS	INSTALL IRRIGATION WELL-This is a project to take the current irrigation system to the fields at the high school off domestic water and put them on a well.			\$17,250		
3	HPS	REPLACE PNEUMATIC THERMOSTATS - This is an on- going project where we replace outdated pneumatic controls with a digital control to tie into our Siemen's Energy Management system. This will allow better controls to the classroom heating units resulting in more comfortable temperature ranges and energy efficiencies.			\$5,750		
4	JPS	REPLACE ONE EXISTING HOT WATER CAST IRON BOILER- This is due to the age and efficiency of the two existing boilers.			\$295,000		
6	D/W	4WD PICK-UP TRUCK W/ PLOW - This is to replace an older truck with a new 4wd unit with a plow. Trucks are used for moving materials throughout the district as well as for plowing and sanding during the winter months. The truck this will be replacing is 11 years old and rusting away due to the constant exposure of road salt during the winter months. The repair costs on this vehicle are also very high on this unit and don't justify keeping it in the fleet.			\$38,950		

PRIORITY	SCHOOL	CAPITAL ITEM	2014/15	2015/16	2016/17	2017/18	2018/19
5	D/W	FRONT DECK MOWER REPLACEMENT - This is to replace the older model Kubota that is used to mow, sweep and remove snow. The unit this will be replacing is 19 years old and has paid for itself many times over. The repair costs are very high on this unit and don't justify keeping it in the fleet.			\$34,250	201110	
8	D/W	CUSTODIAL EQUIPMENT REPLACEMENTS - This would be to purchase an Automatic Scrubber, Back Pack Vacuums, Carpet Extractors and Wet/Dry Vacuums with front mount squeegee attachments. Many of these items are over 10 years old and break more often than they run. They do not properly clean the buildings and often introduce more dust and particulate back into the room in which they are trying to clean.			\$12,250		
9	D/W	MAINTENANCE EQUIPMENT REPLACEMENTS - This money would be to upgrade and or replace outdated maintenance and grounds equipment in the district. Included would be small mowers, trimmers, drills, saws and other maintenance related items.			\$6,000		
TOTALS					\$1,158,450		

RIORITY	SCHOOL	CAPITAL ITEM	2014/15	2015/16	2016/17	2017/18	2018/19
4	NES	REPLACE PNEUMATIC THERMOSTATS - This is an on- going project where we replace outdated pneumatic controls with a digital control to tie into our Siemen's Energy Management system. This will allow better controls to the classroom heating units resulting in more comfortable temperature ranges and energy efficiencies.				\$5,850	
6	D/W	DUMP TRUCK REPLACEMENT-This is to replace an older truck with a new 4wd unit with a plow. Trucks are used for moving materials throughout the district as well as for plowing and sanding during the winter months.				\$44,200	
2	NES	REPLACE ONE EXISTING HOT WATER CAST IRON BOILER- This is due to the age and efficiency of the two existing boilers.				\$295,000	
5	D/W	PAVEMENT PROJECTS - Many areas or sections of parking lots will need repaying, including; SNIS, HPS, NMHS and East Street.				\$165,000	
1	SMS	ROOF REPLACEMENT PROGRAM - This is a five year plan to begin replacing the roof at Schaghticoke that dates back to 1973 for many parts of the roof and includes some sections added in the early 1990's.				\$350,000	
	D/W	CUSTODIAL EQUIPMENT REPLACEMENTS - This would be to purchase an Automatic Scrubber, Back Pack Vacuums, Carpet Extractors and Wet/Dry Vacuums with front mount squeegee attachments. Many of these items are over 10 years old and break more often than they run. They do not properly clean the buildings and often introduce more dust and particulate back into the room in which they are trying to clean.					
7						\$12,500	_

PRIORITY	SCHOOL	CAPITAL ITEM	2014/15	2015/16	2016/17	2017/18	2018/19
8	D/W	MAINTENANCE EQUIPMENT REPLACEMENTS - This money would be to upgrade and or replace outdated maintenance and grounds equipment in the district. Included would be small mowers, trimmers, drills, saws and other maintenance related items.				\$6,250	
3	D/W	CONCRETE REPAIRS ON SIDEWALKS - Due to inferior product installation and/or the harmful effects of road salt, several areas of sidewalks and walkways have become unsafe and need total removal and reinstallation. We have patched them as a temporary fix, but that does not last very long.				\$16,500	
TOTALS						\$895,300	
3	NES	REPLACE PNEUMATIC THERMOSTATS - This is an on- going project where we replace outdated pneumatic controls with a digital control to tie into our Siemen's Energy Management system. This will allow better controls to the classroom heating units resulting in more comfortable temperature ranges and energy efficiencies.					\$6,100
1	SMS	ROOF REPLACEMENT PROGRAM - This is a five year plan to begin replacing the roof at Schaghticoke that dates back to 1973 for many parts of the roof and includes some sections added in the early 1990's.					\$750,000
2	SMS	REPLACE ONE EXISTING HOT WATER FIRE TUBE BOILER- This is due to the age and efficiency of the two existing boilers.					\$368,000
TOTALS							\$1,124,100



NEW MILFORD PUBLIC SCHOOLS

FACILITIES DEPARTMENT 386 Danbury Road

NEW MILFORD, CT. 06776

John E. Calhoun Facilities Manager Telephone : (860) 354 - 6265 Fax : (860) 210-2233

To: Dr. JeanAnn C. Paddyfote, Superintendent
From: John Calhoun, Facilities Manager
Date: March 3, 2014
Re: Emergency Health and Safety Containment Process at SMS

On Thursday, February 27th, I received a call about a potential bat problem in the Schaghticoke Middle School gymnasium. A PE Teacher spotted a bat flying around in the gym. The students were removed from the gym and the space was closed. The Facilities staff was called immediately to ascertain the location of the bats and their entry in to the building. At that time, the decision was made to call in a wildlife specialist to aid in the process.

On Friday, a wildlife biologist from the firm American Bio-Tech came in to evaluate the issue. His recommendation was to immediately begin a containment process in which the gym and adjoining locker rooms will be sealed, with additional measures put in place for the bats to exit and not be allowed to re-enter the space(s).

The cost estimate for this containment came in on Monday, March 3rd, at a price of \$12,700.00, which includes a twenty year warranty through their company. Work will take about one week and should begin immediately so that students may return to the gym.

Not performing this containment process could leave us liable for a number of health related issues. It is my recommendation that we proceed immediately on this proposal.

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Present:	Mr. Dave Littlefield, Chairperson Mrs. Angela C. Chastain Mr. Robert Coppola Mrs. Wendy Faulenbach		P	
			56	
Also Present:	Dr. JeanAnn C. Paddyfote, Superintendent of Schools	om	2	
niso i resent.	Mr. Joshua Smith, Assistant Superintendent		0	
	Mr. Gregg Miller, Director of Fiscal Services	E C	.0	
	Ms. Ellamae Baldelli, Director of Human Resources	E.S.	-	
	Ms. Roberta Pratt, Director of Technology		2014 MAR	
	Mr. John Calhoun, Facilities Manager		2	
	Mr. Joseph Olenik, Assistant Facilities Manager		20	
	Mr. William Knipple, Energy Manager			

NEW MILFORD, CT

1.	Call to Order The meeting of the New Milford Board of Education	Call to Order
	Facilities Sub-Committee was called to order at 6:45 p.m. by Mr. Littlefield.	
2.	 Public Comment John Spatola said regarding the water main break on the agenda he would like to know the age, diameter, material and length of the pipe and the depth and cause of the break. He would also like to know the life expectancy of the boiler at John Pettibone School that is referenced in the capital plan. 	Public Comment
3.	 Discussion and Possible Action Mr. Coppola raised a point of order about the agenda. He asked when the Facilities Sub-Committee would discuss the closing of a school as part of its agenda so that the topic could be addressed at the full Board. Dr. Paddyfote said that would be up to the Chair of the Sub-Committee and the Board Chair but that originally the issue had been 	Discussion and Possible Action

A.	 addressed through a special School Facility and Utilization Study Committee not through the Facilities Sub-Committee. Mrs. Chastain said an email had gone out to the Board today suggesting meeting dates to address this topic. Mr. Coppola said he had not seen the email yet but would look for it. 	Energy Education Update
	 Mr. William Knipple, Energy Program Manager, distributed a handout giving an update of the program which began in the 2006-07 school year. Goals are to maintain the comfort and safety of staff and students in occupied areas, to eliminate energy waste during unoccupied times, to monitor building usage and analyze consumption for energy savings. The cost avoidance over the course of the program is over \$2,700,000. The percentage of cost avoidance has also increased each year of the program. Mr. Knipple said his goals for this year include continuing to work on energy star ratings for the buildings and to redistribute energy policies to staff. He credited the maintenance and custodial staff for their assistance in making the program successful. Mr. Coppola asked for clarification on what cost avoidance means. Mr. Knipple said it is the money that is saved by making adjustments so that we are not still operating the way we did in the 2006-07 school year. Mr. Coppola asked about the cost of the program. Mr. Knipple said the annual costs are his stipend of \$18,500 and a software licensing fee of approximately \$1500. Mr. Littlefield asked if an energy star rating would help our costs. Mr. Knipple said not necessarily but it would be a sign that we are working to be energy efficient. He said the 	

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the project.

application requires a lot of information and he is about 40% through the process. Mrs. Chastain said she thought this was a great program and would like to see increased communication to parents about its success. Dr. Paddyfote said an article could be included in a future district newsletter. **B**. **Five Year Facilities Capital Plan Update** Mr. Calhoun said the five year plan is reviewed every year to see if any adjustments need to be made. The requests in the 2014-15 year were included in the recently adopted budget and were discussed during budget presentations. Highlighted items for the plan going forward include the continued installation of digital controls, the replacement of custodial and maintenance equipment as needed, paving projects, the replacement of the small chiller at NMHS and the Schaghticoke roof replacement project among other items. Mr. Calhoun said the roof replacement was by far the most costly and suggested that discussions start at the April meeting as to how the Committee would like to proceed. Mrs. Faulenbach asked for the total cost of the project and Mr. Calhoun said approximately \$1.7 million but that it could be broken into stages. Mr. Coppola asked if this project would qualify for capital reserve use. Dr. Paddyfote said there was approximately \$1.2 million in capital reserve and the Board could make a request to use these funds if the choice was to do the project in stages. Mr. Coppola asked if a request could be made to bond the project and Dr. Paddyfote said that was also an option. Mrs. Faulenbach said she thought it was important to explore all the components of financing to see what was most beneficial for

Five Year Facilities Capital Plan Update

	 Mr. Coppola asked if the Board was solely responsible for the Lillis Building since he saw the upgrade to the building's electrical system on the five year plan and we share the building with the Youth Agency. Mr. Calhoun said we pay for all. Mr. Calhoun said an irrigation well for the athletic fields was also in the plan and could provide cost savings down the road. Mr. Littlefield asked if that would save on sewer fees too and Mr. Calhoun said he would have to check with the Sewer Commission. Mr. Calhoun said the JPS boilers are sectional boilers and are about 25 years old. They are the same boilers as the ones that were recently replaced at HPS. Mrs. Faulenbach asked what the oldest boilers were. Mr. Calhoun said the ones at SMS are older but they are a different type and still energy efficient. Mr. Coppola said he was glad to see continued maintenance in the plan because it is important to maintain what we have. He asked Mr. Calhoun to breakdown the \$75,000 item on page 1 more specifically for a later meeting. 	
	Mr. Coppola moved to bring the Five Year Facilities Capital Plan to the full Board for approval.	Motion made and passed unanimously to bring the Five Year Facilities Capital Plan to
	Motion seconded by Mrs. Faulenbach.	the full Board for approval.
	Motion passed unanimously.	
C.	Emergency Health and Safety Containment Process at Schaghticoke Middle School	Emergency Health and Safety Containment Process at Schaghticoke Middle School
	• Mr. Calhoun said there were several bats seen in the SMS gym over the last several days. He contacted a wildlife specialist and the Health Department who agreed that it was an immediate threat to health and safety. The gym has been closed. The wildlife specialist will safely remove the bats; his work is warrantied	

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	 for 20 years. It will take approximately a week to complete the project at a cost of \$12,700. Mr. Coppola asked where the funds will come from and Mr. Calhoun said he will use funds from the Building Use revenue line. Mrs. Chastain moved to bring the request for the emergency health and safety containment process at Schaghticoke Middle School to the full Board for approval. Motion seconded by Mr. Coppola. Motion passed unanimously. 	Motion made and passed unanimously to bring the request for the emergency health and safety containment process at Schaghticoke Middle School to the full Board for approval.
4. A.	 Item of Information Water Main Break – SNIS Mr. Calhoun said he was notified by New Milford Police on a routine weekend patrol that water was flowing near the parent pick up area at SNIS. A 6" main pipe that dated to the 1960s had broken due to ground thawing and movement. His staff worked with contractors on the repair so there was no disruption to the school. Mr. Coppola asked what the cost was and where the funds would come from. Mr. Calhoun said the cost was \$9,332 and would come out of his operating budget for repair. 	Item of Information Water Main Break - SNIS
5.	Adjourn Mrs. Faulenbach moved to adjourn the meeting at 7:31 p.m. seconded by Mrs. Chastain and passed unanimously.	Adjourn Motion made and passed unanimously to adjourn the meeting at 7:31 p.m.

Respectfully submitted:

Dave Littlefield, Chairperson Facilities Sub-Committee