



Medway Energy Committee

Town of Medway
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Shelley Wieler, Acting Chair
Diane Borgatti, Member
David Brownell, Member
Peter Cooper, Member
John Foresto, Member
Charles Myers, Member
Robert Tucker, Member

Meeting Minutes: September 19, 2012 Medway Senior Center

Approved: 10/17/12

Call to Order: This meeting was called to order by Acting Chair Shelley Wieler at 7:07 p.m.

Attendees:	9/19/12	10/17/12	11/14/12	12/19/12	1/16/13	2/13/12	3/20/12	4/17/12	5/15/12	6/19/12
Shelley Wieler	X									
Diane Borgatti										
Dave Brownell	X									
Peter Cooper	X									
Charlie Myers	X									
Robert Tucker	X									
John Foresto	X									

Local Action Energy Plan (LEAP) Update: Erin Brandt provided the committee with an update on the LEAP project. The plan will support the energy related work that is already being done in the municipal sector and also identify opportunities within the residential and commercial sectors in Medway. Additionally, the plan will identify strategies to help Medway meet its Green Community goal of reducing its energy consumption by 20% within 5 years. Erin reported that the working group is preparing a draft plan that they will present to the committee at the October or November meeting. After the plan is finalized, it will be presented to the Board of Selectmen for their approval. Erin and her team will work with Medway over the next 6 months to a year to implement the plan and transfer ownership to the Town.

The committee also discussed the possibility that Medway may not meet the 20% reduction goal, whether other towns are struggling with the same issue, and the likelihood that energy savings due to solar panels will not count towards the 20% reduction.

Meeting Minutes:

A motion was made by Charlie Myers, seconded by Peter Cooper, to approve the meeting minutes of June 20, 2012. Shelley Wieler abstained due to the fact that she was not present at the June 20, 2012 meeting. The motion was approved unanimously.

Energy Committee Vacancies: The committee discussed the vacancies, including the role of Chairman. Several of the members said they are not able to take on the role of Chair at this time due to other responsibilities. John Foresto said he will talk to the Board of Selectmen about filling the two member vacancies. Shelley Wieler agreed to remain Acting Chair until the October meeting when the committee will further discuss this matter. Dave Brownell agreed to take the minutes for the next several meetings until a new secretary is on board.

Green Communities Annual Report Format: The Town received the format for the annual report from the DOER and Suzy Affleck-Childs is preparing the draft. Shelley reported that she and former Chairman Frank Faist met with Suzy and Fran Lee-Hutton over the summer to review the Mass Energy Insight database and the information that needs to be entered manually. Going forward Fran will be inputting the data quarterly.

Additionally, the committee discussed the Town's fuel-efficient vehicle policy and whether it is being violated by having Town employees use retired police cruisers. John Foresto reported that there are currently four retired police cruisers that are being used by Town employees for official Town business, which include site visits. He explained that the alternative is to pay the individuals mileage or buy new fuel-efficient vehicles, which are both more expensive. The committee agreed that the annual report should include a paragraph highlighting this issue. John Foresto will get information on the annual amount of miles the vehicles are driven to be included in the annual report.

Progress Towards 20% Energy Reduction Goal: As a Green Community, Medway is supposed to reduce its energy consumption by 20% within 5 years. In the last several years, many energy efficient measures have been implemented, particularly in the schools, to help achieve this goal. At this point, the Town is only seeing about an 11% reduction. The committee discussed what else can be done to reach 20%, including turning off the lights in the schools at night, using LEDs in exterior lighting, and consolidating evening and weekend activities to a single location. At the October meeting, Erin will provide the committee with an update detailing what TNT identified as a priorities in their audit, what has been done already, and what is left that will provide the greatest payback. The committee also expressed their frustration that they were not consulted on how the grant funds would be used. John said the Board of Selectmen will remind department heads that the committee should be included in important discussions involving energy related projects. He also asked Shelley and Charlie to meet with the Board of Selectmen to further discuss adding an energy use component to the annual performance review of each operational manager.

Update on School Solar Panels: Assistant Superintendent Dave Verdolino reported that the solar panels did not go offline this summer. Broadway changed the website they were using to monitor the panels but did not provide the schools with the new website. Dave explained that Jim MacLean regularly monitors the output and contacts Broadway if he detects a problem. Dave said a representative from Broadway offered to attend a future Energy Committee meeting to walk the committee through the website. The committee asked Dave to look into whether it is possible to receive an email alert when there is an issue with the panels. Dave also reported that there will be an article on the Fall Town warrant relative to returning money back to the Town to add to the Trane debt service. The School Committee would like the Energy Committee's endorsement of this article. The committee said they will discuss this further at the October meeting and prepare a recommendation.

Net Metering RFQ: John Foresto reported that the Town sent out a request for bids for a net metering agreement and got three responses. The Town forwarded the bids to Chad Laurent at Meister Consultants for review. John reported that there was a significant variance between the three responses. As a result, the Town decided to pull the active request for bids and reissue an RFQ under M.G.L. c. 25A as recommended by the Massachusetts Inspector General. Dave Verdolino, John Foresto, and Charlie Myers agreed to participate on the working group that will draft the RFQ and review the responses. Erin also reported that the Massachusetts Area Planning Council (MAPC) just issued an RFQ relative to putting solar panels on municipal property. Erin said it is possible that Medway could take advantage of this opportunity and she will forward the committee additional information.

Recommendation to DOER regarding Criteria No. 3 for Green Communities Designation: Dave reported that Meg Lusardi from DOER responded to the committee's request that the calculation relative to Criteria No. 3 for Green Communities designation be changed. Meg said they reviewed the committee's request and decided not to change the way that energy use is accounted for. Dave presented some analysis he prepared relative to this matter and explained

that it does not matter whether source energy or site energy is used as long as the savings is applied equally. Dave will draft a response to Meg Lusardi for the committee's review at the October meeting.

Continuing Education: Shelley reported that she attended a Green Communities meeting in June as a Medway representative. She also reminded the committee that DOER webinars are archived on the DOER website and can be accessed for free.

Action Items:

Action	Assigned to	Deadline
Review TNT audit and reprioritize Town's wish list for next round of Green Community funding	Erin	For October meeting
Forward info on annual mileage related to retired police cruisers to be included in annual report	John	ASAP
F/U with MSBC on single commissioning and cost and also get copy of commissioning plan	Bob Tucker	Ongoing
F/U with BOS on 2 committee vacancies	John	ASAP
Elect Chairman	Committee	October meeting
Obtain copy of draft LEAP from Erin	Shelley	October/November
Forward RFQ relative to net metering to the committee	Erin	ASAP
Forward Marshfield's RFP documents relative to net metering to the committee	Dave V.	ASAP
F/U with Suzanne on Green Communities quarterly report and forward to committee	Shelley	ASAP
Add Shelley as administrator to committee's Google group	Michelle	ASAP
Draft response to Meg Lusardi for committee's review	Dave B.	For October meeting

Adjournment: With no further business before this Committee, a motion was made and unanimously passed to adjourn at 9:27 p.m.

Respectfully Submitted,

Michelle Reed
Night Board Secretary

Impact of Electric vs Fuel Energy Reductions to Achieve Overall 20% Reduction in Site Energy

David
Brownell

Medway Energy Committee

Approaches:	
Method A:	Reduce site elec and fuel use equally by 20% (Standard Method)
Method B:	Reduce total energy use by 20% by lowering site elec and fuel use by pro-rating reductions by Source energy use
Method C:	Reduce only elec use to achieve a total energy savings of 20%

Energy Category	Medway FY2009 Site Use 1000 MMBTU	Medway FY2009 Source Use* 1000 MMBTU	Medway FY2009 Cost 1000 \$	Site Cost per 1000 MMBTU \$
Electricity	16	40	872	54.50
Fuel	33	33	538	16.45
Total	49	73	1410	28.95

* Electricity Source Use = **2.5** x Site Electric Use

Method A	Method A Save 20% of Site Energy MMBTU	Method A Source Energy Savings MMBTU	Method A Value of Energy Savings \$
Electricity	3.20	8.00	174.40
Fuel	6.54	6.54	107.60
Total	9.74	14.54	282.00

Method B	Method B Save 20% of Source Energy MMBTU	Method B Source Energy Savings MMBTU	Method B Value of Energy Savings \$
Electricity	5.36	13.40	292.07
Fuel	4.38	4.38	72.08

Total	9.74	17.78	364.14
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Method C	Method C Save 20% of Elect Energy MMBTU	Method C Source Elect Energy Savings MMBTU	Method C Value of Elect Savings \$
Electricity	9.74	24.35	530.83
Fuel	0.00	0.00	0.00
Total	9.74	24.35	530.83

Results:		
1) Method B saves	22%	more source fuel than Method A
2) Method B saves	29%	more dollars than Method A
3) Method C Saves	67%	more source fuel than Method A
4) Method C Saves	88%	more dollars than Method A