

**Cape Elizabeth Alternative Energy Committee
Minutes: September 29, 2009**

Present: Wyman Briggs, Alan Lishness, Bill Slack, David Whitten, Ernie McVane, Sarah Lennon, Kathy Ray

Absent: Ted Hawkes, Dave Whitten

Guests: Dave Clay, Rick Fontana

1. Energy Conservation Measures List

Reviewed ECM list that Ernie has been refining. The list will be simplified to show the following for each building to present to the council in an easy to understand format. There are some measures underway and have been performed over the best few years but the committee believes that it is important to accelerate the implementation of the remaining conservation measures by presenting in this format to the council.

	Cost	Available Rebates	Savings	Simple payback	Priority	Comments
Building						
Building Envelope						
Lighting						
Controls Upgrade						
Alternate Fuels						
Renewable Energy						

2. Natural Gas Pipeline

Ernie has spoken with someone from Unitil, but still does not have a solid response on whether the gas line is feasible to be brought to the town center. Sarah agreed to speak with Mike McGovern about providing some help with bringing Unitil to the table to discuss this issue further.

3. Wind Measurement Progress

Wyman re-capped on-going activities related to wind turbine development. Ernie had appositive discussion with Herb Strout and he is willing to allow the Town to install the wind measuring devices on his cell tower. Ernie will get with Mike McGovern so he can get the specifics approved regarding the arrangement.

Wyman will contact Jonathon Markey to determine if he is still available to perform his scope regarding supply of measurement and logging equipment and installation and analysis.

Efficiency Maine came out with another request for applicants for wind measurement tower and anemometer set up. Wyman to contact them to see if Cape would have a chance at this grant.

4. Solar Thermal Proposal

Dave Whitten received a revised proposal from Revision Energy for a domestic hot water solar thermal application at the high school. Revision Energy estimates that the system would cost 85,000 and save approximately 1.700 gallons of oil per year. Revision recommends that the next step would require a more detail engineering analysis to refine the costs estimate and savings. Revision provided a proposal to perform this engineering for \$1200. The committee will review and make a recommendation.

5. Wastewater Heat Exchanger

Rick Fontana has made progress discussing with Portland Water District about the wastewater plant discharge lines running between the treatment plant and the ocean. The flowrate is about 150,000 to 200,000 gallons per day at 50 F or higher. If this steady waste heat source could be used as a geothermal heat source, Rick has estimated that it could meet 1/6th to 1/3rd of schools heating demand. This could significantly improve the economic analysis of the geothermal/ground source heat pump scenario, since one of the major costs of geothermal is the wellfield cost. Rick will try and set up a meeting with Portland Water District to discuss further as more diligence is needed to analyze this concept.

6. ICLEI project

Ernie has provided Stephanie Dulac (GPCOG) with the information that she requested for analyzing our baseline data. Bill will contact Stephanie about coming to our next meeting so she can review the work she has done to date and review the Town's overall goals and objectives towards energy use, reduction and carbon emission reductions.

7. Maine Cool Partners

Bill discussed the Main Cool Congress scheduled for August 3 in Augusta put in by Maine Partners for Cool Communities.

8. Energy Efficiency an Block Grants

Efficiency Maine issued its request for applications for "Energy Efficiency and Block Grants to Units of Local and County Governments on September 25. Team to review to determine what projects Town should apply for.

9. Plan for Next Council Meeting

There will be turnover of council members in the next few months. It was felt to set up next meeting after the new council is in place after the new year. Sarah will talk with Mike McGovern about the timing of the next meeting.

10. Schedule for Next Meeting

Bill to send out doodle schedule for next meeting for last week of October.