

Meeting Notes; Jan 24, 2009

Potential new members

Tina Chapman, United Way, Ken

Gus Libby, Colby College, John

Mike Heavener, Town Manager Winslow, Catherine

Stephen Turner, Thomas College, John

Dennis McLellan, Rep from Town of Oakland, Mike

Bruce Olson, Energy Services Company, Chris

Chuck Lakin, Master Carpenter, retired librarian at Colby, Chris

Tom Kahl, Winslow, Structural Engineer, Kleinschmidt, Chris

Norm Anderson, writing Weatherization Grant for training and Quality Management, already involved

Notes: Notify member of when sustainability meeting will take place

Our first goal is to become the best educated people in Maine and make sure we do not reinvent the wheel. Grounding in what is being done.

Energy Education Project: Catherine will coordinate the schedule, Ken will invite John Kerry, John will find auditorium at Thomas, and we need to get grounded in what is going on. Opening meeting to the public

1. **Energy Policy Workshop:** John Kerry who offered to make a power-point presentation on the State Energy Plan to the overall group (Feb 09) 6 pm Ken will get some dates from John Kerry
2. **Residential Energy and how do you do it:** Dave Gilpatrick from KVCAAP can provide a briefing on Weatherization and Keep ME Warm activities; we don't want to duplicate but supplement those activities. KVCC, Greg Fletcher, Bruce Davis, (Mar 09)
3. **Community Wind Energy and potential:** priority NREL staff presentation on community wind
4. **What is going on in Residential Wood:** Wood Pellets, Les Otten, Spring Brook Fuel, Warren Cook
5. **District Heating**
6. **Solar Hot Water Workshop**
7. **Off Shore Wind Power** Presentation & (Chris will plan this project)
8. **Washington County Wind Project,** John can make contacts, impact on the county
9. **Commercial Energy Efficiency:** Efficiency Maine, & FAME low interest commercial loans

Community Wind Policy in Legislature: Ken will send the net-billing bill to members of the committee. Now 100kw max, do we want to increase that, do we want a special category for community wind; can we have joint ownership, aggregating owners? Governor has ocean energy task force.

Next meeting Jan 31, 7:45 am.

Action Agenda

Draft of January 19, 2009

OBJECTIVE I	Generate Renewable Energy and Promote Conservation
Expected Results	<ul style="list-style-type: none"> • We have reduced our reliance on fossil fuels by 50% (?) • People of modest means can afford to live in the Kennebec Region through the winter months • We have made 50% (?) improvement in residential energy efficiency in 90% (?) of our housing stock • We have reduced municipal/school building non-renewable energy consumption by 50% compared to 2009 • We have reduced commercial/nongovernmental institutional building non-renewable energy consumption by 50% compared to 2009 • We have expanded local usable, renewable energy production by 100% (?) annually, compared to 2008, in a sustainable manner • We have reduced our carbon footprint by 50% (?) compared to 2009
Matrix Stage	<ul style="list-style-type: none"> • Currently at Stage 3; advance to Stage __ by
Lead	<ul style="list-style-type: none"> • John Joseph/Cathy Nadeau
Team	<ul style="list-style-type: none"> • Mike Willey, David Gilpatrick (nom), Ken Fletcher, Chris Bryan, Tom Tietenberg, governmental people from communities, Sustainability Committee member, Charlie Brown
Milestones	<ul style="list-style-type: none"> • Project 1 - Define the energy management responsibility for each municipal facility by 6/2009 • Project 2 – Fully weatherized our first house by 6/2009 • Project 2 – Secured weatherization grant funding by 9/2009 • Project 2 – 1,200 occupied buildings have been weatherized by 1/2012 • Project 2 – Become knowledgeable of KVCAP resources • Project 3 – Define the project and apply for needed design funding by 1/2010

- Project 3 – Design the project and identify a builder by 1/2010
- Project 3 – Have one renewable energy project in operation by 1/2012
- Project 4 – Tie into State of Maine project

SHOWSTOPPERS: From Objective III, 124, 184, 185; from Objective V, 167, 168, 182; from Objective VI, 3;

PROJECT 1 – Improve Efficiency of Commercial and Institutional Buildings

11. follow through on 2007 report to make Waterville public buildings energy

Efficient (Clairify with Mike Roy, Winslow has been doing this since 2007,8,9) How will results be documented for public?, John ask at sustainability committee, what is happening in other communities, Mike will check with Oakland, Chris will check with Fairfield)

12. make other municipally-owned buildings efficient (more inclusive)

48. use public school buildings 24/7, 12 months per year (deffered)

71. prioritize rehabbing existing infrastructure over building new infrastructure (outside our direct purview, this is a policy direction, who should communicate this to the municipalities)

128. renovate the public library (Already underway, are they taking this opportunity to make it energy efficient and use renewable energy?)

1a. Inventory the energy efficiency in commercial buildings, what is being done in this sector? (Tom will contact Steve Erario to ask about data, tom will check to see what activity efficiency Maine has been involved in our region, also FAME, Reggie \$ are expected to be available in next 6 months period) (Chris will ask Bruce Olsen to help with the inventory of Commercial Sector)

PROJECT 2 – Improve Energy Efficiency of Residential Buildings

9. Weatherization and health and safety of every dwelling

Assessment of status of housing stock, (Student project),

How you do it, Dave Gilpatrick, Maine Home Performace, Efficiency Maine, MSHA, KVCC
Bruce Davis, Greg Fletcher, Jim Bourgoin,

18. use solar thermal hot water for all hot water needs (Efficiency Maine, cost effectiveness, opportunities and barriers, state and federal incentives) work shop, include thermal air

- 105. clean and tune every existing heating system, **MSHA, local fuel dealers and maintenance companies (Student interview project)**
- 106. install high efficiency lighting everywhere
- 111. create neighborhood groups to help elderly close windows, etc.
- 132. expand the light brigade to distribute the best available lighting technologies
- 144. use "Kill a Watt" devices that show how much energy is being used
- 148. make sure enforcement officers enforce statewide building codes
- 171. find ways to help people heat their homes short-run while developing longer-term green projects
- 175. utilize existing state-wise weatherization programs for low-income people or housing
- 176. support weatherization programs

PROJECT 3 – Develop Community Alternative Energy Infrastructure

- 5. develop a community wind energy project
- 84. support the smart grid, oppose the big grid
- 30. integrate water maintenance to maximize hydro power production
- 35. revise laws to support alternative energy projects
- 52. petition FERC to simplify licensing of alternative energy projects
- 85. evaluate co-generation district heating (**Work with Colby, State has initiative, ask Waterville Main Street to take initiative) John, Robert Sezak member of catalyst group.**)
- 86. evaluate water power options
- 100. research what new technologies are available
- 136. take advantage of net metering rules for renewal generation in homes and institutions

Deferred Project

PROJECT 4 – Develop Residential Renewal Energy

134. explore use of PV solar roof collector options