

Draft Minutes
Energy Efficiency and Sustainable Energy Board
NHPUC, 21 S. Fruit Street, STE 10, Concord, NH
November 13, 2008 Meeting

*Items underlined and in color are hyperlinked to documents.

Members in Attendance: Richard Ober of NH Charitable Foundation, Clifton C. Below, NHPUC, Meredith Hatfield of the OCA, Robert Scott of DES, Brian Wujcik of NH Homebuilders Association, Roy Duddy for Michael Vlachich of DRED, Daniel Feltes of NHLA, Rep. David Borden, Rep. James Garrity, Dick Henry of the Jordan Institute, Wes Golomb of NH SEA, Dean Christon of NHHFA, Michael Connor of NH DAS, Patti Carrier of NH Ball Bearings.

Non-Voting Members in Attendance: Gil Gelineau of PSNH, John Puc of National Grid, Cindy Carroll of Unitil, Derek Buchler of Northern Utilities, Ray Gosney of NH Electric Co-op, James Grady of Lightec, Inc., Charles Niebling of New England Wood Pellet, Janet Brewer of Ocean Bank.

Link to Meeting Agenda: [Meeting Agenda](#)

Richard Ober handed out a book to board members entitled; "[Hot, Flat and Crowded - Why We Need a Green Revolution - And How it Can Renew America](#)" by Thomas Friedman (Compliments of the NH Charitable Foundation) He asked that members please give the book a chance and read it or donate it to their library so that others can benefit from it as well.

1. Review and Approval of October 31, 2008 Meeting Minutes

The minutes from the October 31, 2008 meeting were briefly discussed.

Derek Buchler noted that he was a member of the Massachusetts Renewable Energy Board as well as the New Hampshire EESE board. He noted that the minutes stated that he said that the two boards were similar but the Massachusetts board has not yet convened and he would like it noted that he does not know enough about the MA board to officially say that they are similar and that he did not say that the two boards were the same.

Representative Jim Garrity moved to adopt the minutes. The motion was seconded by **Meredith Hatfield** and unanimously adopted subject to minor revisions brought forth by Derek Buchler.

2. Review of Agenda

Richard Ober briefly reviewed the [Meeting Agenda](#) with the board.

3. [New England Overview of Energy Efficiency Policy](#) - Presented by Jim O'Reilly of Northeast Energy Efficiency Partnership ([NEEP](#))

Mr. O'Reilly joined by his colleague, Elizabeth Titus, presented information regarding the different policies employed throughout the Northeast in regard to energy efficiency. The presentation can be found by clicking the title above and includes topics such as:

- o Overview of the Northeast Energy Efficiency Partnership (NEEP) including funding sources, sponsors, primary audiences and services.
- o Electric & gas energy efficiency funding amounts in the Northeast
- o The New Paradigm - energy efficiency as a first order resource
- o Energy Efficiency - Public funding and policy growth, including Northeast states oversight and administration of the projects
- o Advisory boards and key issues involving Energy Efficiency, including their relevance on NH
- o Thoughts and recommendations for Energy Efficiency stakeholder boards such as the EESE board, including resources available for utilization. Some major recommendations were for the EESE board to push for funding for technical consultants, analyze decoupling and work with Energy Efficiency organizations such as [NEEP](#), the American Council for an Energy Efficient Economy ([ACEEE](#)), the Association of Energy Services Professionals ([AESP](#)) and even other agencies such as the Department of Environmental Services and stakeholder counterparts. He asked that we try to always shoot for the top level of what we are trying to capture, and look at new technologies.

Answers to Questions following Presentation- Notes

- o At the request of **Meredith Hatfield**, Mr. Reilly agreed to come back at a later date to facilitate additional conversations with the EESE board.
- o **Jim O'Reilly** agreed with **Dick Henry** that it is important to measure total building energy consumption. He noted that the Dept. of Energy has a goal to facilitate the development of 'net zero energy buildings' in the future and Massachusetts has also promised to try to generate all new construction buildings as 'net zero energy buildings' by 2050. A net zero energy building uses no more energy than it generates on its own, by clean energy sources. In order to create net zero energy buildings you would have to reduce energy use by the systems which are available to you, such as lighting and HVAC, reduce energy by advanced building designs such as taking advantage of daylight, and integrating renewable technologies into the building.

- o **Charlie Niebling** noted that Europe is going to watts as a common unit of energy measure and that might be a good universal unit of measure to look at.
- o **Chairman Ober** asked Jim to expand on the role of an EE board in trying to minimize the risk of coordinating with new players and dealing with overlap and consumer and policy maker confusion. **Jim O'Reilly** told the board to think about the various touch points in public policy for energy and then to start at the municipal level, go up to the state level (PUC, legislators, etc.), then go to the regional level (ISO-NE & NEPOOL) and finally go to the federal level (Congress and FERC) in order to make sure that all of its messages are being delivered and being delivered clearly. He urged the board to be the coordinating voice both within the state and outside the state on all of the issues dealing with the vision of energy policy at all levels of government.
- o **Dick Henry** noted that setting the vision is really important and taking the most aggressive standard is appropriate. We could set 'best practices' type standards in the industry and really try to give people something tangible to hang their hat on, without being too hung up on changing codes.
- o **Jim Grady** noted that entrepreneurial activity is key and it is fueled by energy efficiency. We need a bottom up approach rather than a top to bottom approach and we need to really look at marketing and promotion.
- o **Michael Licata** asked if any state has looked at propane. **Jim O'Reilly** noted that VT has started to look at it comprehensively because some of their RGGI money is going toward fuel blind home heating efficiency. He also noted that we must look at all home heating fuels, not just oil, so that we don't leave anyone out in the cold.
- o **David Borden** noted that Jim O'Reilly did a wonderful job of accumulating and disseminating all of the information and the EESE board should really try to do something like that in order to ensure that all of the information gets out to people in a comprehensive way.

Recognition: **Chairman Ober** noted that [NH Business Review](#) has recently recognized **Jim Grady of LightTec, Inc.** as one of the recipients of the 2008 Business Excellence Awards.

4. BREAK - The meeting recessed at 10:31 a.m. for a short break and resumed at 10:43 a.m.

5. Outline of December 1, 2008 Report: **Meredith Hatfield** briefly reviewed the [Outline of December 1, 2008 Report](#). She noted that she would welcome

comments regarding the outline and its specific components as soon as possible so that the draft report can be completed.

Chairman Ober requested that board members and interested parties provide email/written comments and suggestions on the proposed outline to [Meredith Hatfield](#) by Tuesday November 19, 2008 (deadline). Board members unanimously agreed to delegate Meredith Hatfield, PUC staff, Jack Ruderman, and Richard Ober to approve the final draft of the report for filing by the December 1 deadline.

6. New Hampshire Energy Efficiency Potential Study Presented by Scott Albert of GDS Associates

Scott Albert from GDS Associates presented a PowerPoint presentation on the NH Energy Efficiency Potential Study that his firm was contracted to conduct by the NH PUC. He noted that this presentation was based on DRAFT results only and that GDS' draft of the study would be completed by November 26, 2008 and emailed to board members for their input and comments. The deadline for submitting comments on the study should be around December 5, 2008.

GDS noted that this presentation was for the benefit of the EESE board and requested that the slides not be circulated since the report was not finalized. They also noted that all of the figures in the presentation were subject to change until the final report is submitted.

The slides presented covered a number of topics such as:

- o The GDS Team - Overview
- o The scope of the project as discussed in the [RFP](#)
- o Key Definitions used in the report
- o The Good, Better and Best Model
- o Overview of Primary Data Collection such as Telephone Surveys, End-Use Equipment Saturations and Energy Efficiency Equipment Penetrations, and Customer Behaviors and Barriers
- o The Residential Sector and the Bottom Up Approach
- o Summary of Draft Results - Residential - Electric, Natural Gas and Fuels (Non-Electric) including residential lighting, space heating and cooling, appliances, water heating measures, building design measures/new construction, phantom power and pools
- o The Commercial Sector and the Top Down Approach
- o Summary of Draft Results - Commercial - including lighting, cooling, ventilation, water heating, cooking measures, refrigeration, space heating, office equipment and other measures.
- o The Industrial Sector and the Top Down Approach

- o Summary of Draft Results - Industrial and Natural Gas (Includes some propane)
- o Summary of other findings
- o Capture of Past and Current Programs - Residential, Commercial & Industrial
- o Next steps

Answers to Questions following presentation and Other Notes

- o **Charlie Niebling** noted that the measures evaluated in the presentation/report assumed that the customer would continue to use the fuel source that they have been using with no fuel switching being taken into account (except for solar hot water supplements).
- o Costs of items were taken into account in the report, unlike some other reports.
- o **Meredith Hatfield** asked if there were any big surprises realized when analyzing the information. GDS answered no but noted that they analyzed other studies as well and the percentage of savings was consistent with other studies. NH savings percentages were a bit greater than in other studies but GDS analyzed many more measures in the NH study.
- o It was interesting to see that eliminating phantom power (electricity being used even when an appliance is off) was a major savings point.
- o **Tom Frantz** noted that this study was a good planning tool and it should be looked at comprehensively because it will help inform decisions going forward.
- o **Dick Henry** commented that customer behavior is a big factor in energy efficiency. He asked of the 4 potentials used in the study if GDS could recommend one potential for the EESE board to use as its vision. GDS noted that the "potentially obtainable" scenario would be a good starting point and the "maximum achievable cost effective potential" scenario would be a good goal.
- o **Derek Buchler** noted that the study proves that the EESE board needs to work on marketing energy efficiency measures because only a small percentage of consumers trust a salesperson to sell them the most energy efficient product.
- o **No questions dealing with specific amounts/costs/details from the report have been incorporated in order to maintain confidentiality. Links to the presentation will not be provided until the final report has been released.**

Chairman Ober requested that board members be emailed the draft Energy Efficiency Potential report once available with direction to the board on

specific areas to look at and comment on, in preparation for a substantive discussion at the December 5 meeting. It was agreed that the draft would not be finalized until after this input from the EESE board has been heard and considered.

7. New Business/Notes:

Bob Scott requested that the slides from the GDS presentation on the draft report be emailed out to board members for further review and that the NEEP presentation be posted to the [EESE page](#).

Charlie Niebling noted that the Legislature directed the Office of Energy and Planning (OEP) to study Thermal Renewable Incentives and provide a written report by December 1, 2008. He asked if we could get OEP to report on its findings, especially legislative recommendations, before our report was finalized. **Eric Steltzer from OEP** noted that the report was on its way and that a presentation could be arranged.

Ray Gosney handed out an article written in Electric Coop Today entitled [Energy Efficiency Programs that Really Work](#) which focuses on the NH Electric Coop and the Core Energy Efficiency Programs.

7A. Future Meetings

The next meeting of the EESE board is scheduled for December 5, 2008 at 9:00am at the PUC. The board has requested additional time following the December 5th meeting to discuss and provide comments/suggestions on the Energy Efficiency Potential Study by conducted GDS Associates.

The following meeting of the ESSE board is scheduled for December 19, 2008 at the [Local Government Center, 25 Triangle Park Drive, Concord, NH](#).

January 9, 2009 will be the first EESE board meeting of the new year and will be held in Hearing Room A at the PUC and all subsequent meetings are to be held on the 2nd Friday of each month with the possibility of adding additional meetings on the 4th Friday of each month if deemed necessary. All meetings are scheduled from 9 a.m. - 12 p.m.

There being no other business to come before the board, **Chairman Ober** adjourned the meeting at 12:06 p.m.