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Connecticut Energy Advisory Board
C/C Ms. Gretchen Deans
CERC
805 Brook Street, Bldg.4
Rocky Hill, CT 06067

Subject: Procurement Plan, Section 51 of PA 07-242
Comment inputs by: Lee Hebert

Dear CEAB Members,

Thank you for considering my comments on the Electric Distribution Companies Procurement Plan for Connecticut.

Throughout the plan I agree with the plans identified need for increased Energy Demand Side Management (DSM) as the best solution for Connecticut's Energy needs.

However, and as stated, the plan does not identify any specific technologies or details on when and what should be procured. With that, I offer the following inputs:

First, I combine all forms of expression in explaining DSM, Increasing Energy Efficiency, and Peak Load Shaving into the same meaning in regards to storing "Surplus" off peak Energy for use during the next days "peak"; anything else is just semantics and not solving our problem.

There is a massive amount of "Surplus" Energy on our Nations Power Grids everyday, paid for by American ratepayers in the overall rate structure and just going to waste.

This lower cost "Surplus" can be stored in our homes during the off peak then used the next day during the more expensive peak time of day. Effectively increasing all the appliances in the home that are on the Energy Storage System to 100% Energy Efficiency in so far as the peak load is concerned.

Connecticut now has all the tools coming into place with this Plan, Smart Meters, Time of Use Rates, and off peak Energy Storage, to lead the Nation on Energy and Global Warming issues.

From the Plans Executive Summary Page 7:

I disagree with the statement “Connecticut has relatively limited amounts of Renewable Resource options.”

We have the entire U.S. and Canadian low cost “Off Peak” Energy Market to cherry pick while everyone else is asleep. Then renew this Energy to its original form, function and vigor in our homes to power our appliances the next day.

And in generating Renewable Energy Certificates (RECs), each home with a 10,000-Watt Energy Storage System will reduce CO₂ and power plant pollutants by 5.5 tons per year.

Recommendation 1) Maximize the use of Demand Side Management to reduce the peak load.

I strongly agree.

Recommendation 2) Explore long term power contracts on a “cost of service basis”.

I disagree: We are on the leading edge of making the dream of deregulation work with time of use rates, smart meters, and DSM. The whole reality and dream depends on a competitive changing open market.

Recommendation 3) Review the structure and cost of Ct Renewable Portfolio Standard.

I agree: I have presented the CEAB with a study from the National Renewable Energy Laboratory (NREL) on Renewable Energy Resources. The study points out without Energy Storage two of the most prized (Solar & Wind) are not now, and will never be effective. In fact the NREL points out they do not displace conventional baseload power plants so in the end result they are driving the cost of Energy higher for this duplication of Energy Generation.

Recommendation 4) Consider ways to mitigate exposure to price and availability of Natural Gas.

I agree with the intent to lower exposure to price fluctuations, however investment should be left to an open deregulated market, or to a ratepayer owned power authority. Let’s continue to build the solution looking forward to true Deregulation like the Telephone Industry.

From the Plans Summary Of Findings, page 49.

Item 3. Market prices will continue to be high and volatile

I disagree: With Deregulation, Time of Use Rates, Smart Meters, and DSM Energy Storage we can drive the market to the least common denominator.

Item 8.) Increased DSM could reduce customer cost, CO₂ emissions, and gas usage.

I Strongly Agree. Maximize the use of Demand Side Management (DSM) to reduce the peak load Energy Consumption.

I hope this review has been helpful to you in your search to find the best solutions to help Connecticut ratepayers reduce their cost of Energy, and reduce Global Warming.

If you have any questions, or would like additional input please feel free to contact me anytime.

Sincerely,

Lee A. Hebert

President & Inventor