

Renewable Energy Task Force

Revised and Approved Minutes for Meeting held on Wednesday October 24, 2018

Written on October 29, 2018 and revised on December 6, 2018 by Vince Mamone

The meeting was called to order at 7:17PM. Task Force members in attendance were Bev Edwards, Robert Wills, Vince Mamone and Deb Deleso. Rob Wills volunteered to chair the meeting.

The draft minutes from the September 18 meeting were reviewed. Rob moved to approve the minutes as written and Deb seconded. All voted in favor and the minutes were unanimously approved.

The temporary office positions had expired so we voted for new officers. Robert Wills was voted as chair person. Deb Deleso was voted as Vice Chair. Vince Mamone was voted to continue as minute taker. These positions will be in effect until the Task Force votes to re-elect new officers.

The Temple Energy Committee had met and voted to approve merging with the Renewable Task Force. We revisited our decision to merge and discussed how to implement the merger. Robert moved to vote on approving the merger and Deb seconded. All voted in favor of merging the two groups. There is an overlap of members and only one new person will join the Renewable Energy Task Force – Richard Silvestro. We will keep the websites for the two groups separate at this time. Beverly will contact the Select Board to let them know and find out if they have any issues with this merger.

Robert put together spreadsheets that effectively show various statistics on energy use in NH. The first spreadsheet shows electricity use in New Hampshire by month over the course of a year (2017) broken down by energy use by month and by day. These averages are then incorporated using Temple data (500 residences). This data shows that Temple needs 3,582 MWh per year. This would require a 2.5 MW array. The next spreadsheet shows electricity demand compared to solar production by month for a typical year. Costs are estimated to be \$2.7M for the array with an annual benefit of \$584K per year and a payback of 4.6 years. The final spreadsheet shows New Hampshire energy usage across each type of energy (ie. coal, natural gas etc) and the flow of each type of energy into and out of NH. Robert informed us that the average EV usage is 10 KWh per day.

For this month we decided that we will work on getting an EV (electric vehicle) charging station installed in Temple. Our first task will be to write a grant proposal for the installation funding which will be around \$1000. Robert will research components, suppliers and prices. Vince will manage the grant format and ancillary data. This action item is due at the next meeting for a draft of the proposal. We briefly discussed site locations and decided to not include the Inn in the list of possible sites.

Our second priority task is tentatively decided to start to investigate adding a dedicated solar array to the Town Municipal Building (Fire Department Wing south facing roof). We discussed at length the possibility of installing a very large solar array (2.5 MW) that could possibly supply the entire town (public and private) electrical needs. We are not taking this on at this time but want to include this possibility as we work on shorter term goals so that we do not limit or jeopardize future possibilities as the technology and cost structures are evolving

quickly. Issues around a very large installation include finding a suitable site with solar orientation and space in an area that would not disrupt the surrounding neighborhood and would not impact valuable environmentally important areas such as farm land, forest land and wildlife habitat. The site would also need to be close to a large transmission line that would handle the amount of electricity produced.

We did not set a date for our next meeting but our regular schedule calls for it to be November 19. Robert moved to adjourn the meeting and Bev seconded. The meeting was adjourned at 8:16pm.

Submitted by
Vince Mamone