

Renewable Energy Task Force  
Approved Minutes for Meeting held on December 9, 2019

The meeting was called to order at 7:08 PM. Task Force members in attendance were Deb Deleso, Robert Wills and Vince Mamone.

We reviewed and approved the minutes from the October 17 and November 25 meetings.

The discussion of the NH Community Power legislation was continued at this meeting. Bev had raised this but she was unable to attend this meeting due to weather conditions. The following questions were raised:

1. What are the potential savings that can be realized from Community Power? This must be understood in order to develop an argument for it's implementation.
2. Would customer service be similar to what we have today with Eversource being the primary responsible party?
3. Is there an opportunity to get a substation located in or near Temple? This would be useful for future local electric generation projects.
4. Will there be infrastructure to help manage a local community power effort? To implement this it will require a degree of management, marketing and administration and may require additional hiring to staff it. If an organization evolved to subcontract to towns for this service it would simplify implementation.
5. Partnering with other towns could also be helpful. Being an early adopter may not be the right thing for Temple, considering that it is a very small town with limited resources.
6. Waiting for better technology such as smart meters and electric grid modernization, something that NH regulators are considering, would help with implementing distributed solar, energy storage (batteries) and EV charging infrastructure.
7. Community Power might provide a means to collect revenue that can be re-invested in local power generation.

We discussed a likely schedule might be to start sharing info within the town in 2020, request to Select Board to create a committee to develop an energy plan for Temple in 2021 and for the committee to introduce a referendum at town meeting in 2022. We also think inviting Henry Herndon to come to one of our meetings could be timed during Spring 2020.

The rest of the meeting was devoted to PV solar for town buildings. We are coalescing on a ground mount system in the vicinity of the Town Municipal Building. The ultimate size would be 50KW and approx. 150 panels. This size of system would meet the current and future electrical needs for the town including the conversion of building heat energy to electrical. It could be build in stages. It should take advantage of evolving policy and technologies to maximize the payback period in the town's favor. For planning purposes we are assuming 380 watt panels that are 39 inches by 60 inches high. Also spacing between rows of panels should allow for minimum shading (at least 15 feet between rows). Using these assumptions

results in an array of three rows of 50 panels in each row. The length of the rows requires a minimum of 162.5 feet (plus room for installation and maintenance). Each row requires at least 15 feet plus room for installation and maintenance. Total ground area would be 7312.5 square feet for the arrays and 5000 square feet as a perimeter for installation and maintenance if a 10 foot corridor surrounding the installation is provided (total for both is about a  $\frac{1}{4}$  of an acres).

Meeting was adjourned at 8:08pm.

Submitted by  
Vince Mamone