

Wolfeboro Energy Committee Minutes January 6, 2022

Wolfeboro Public Library

Present:

Committee Members: Eli Roxby, Dick Byrd, Nancy Hirshberg, Susan Fuller, Rick Kourian, Warren Wilson (virtual- non-voting)

Selectmen's Representative: Brian Deshaies

Public: Nicole King (UNH Intern)

Call to order 9:03 a.m.

Approved the Minutes of the Meeting from 10/14/21

Motion: Eli 2nd by Dick. Approved by Eli, Dick, Nancy, Susan, Rick.

Presentation about Municipal Energy Use Tracking by Nancy Hirshberg and Nicole King, UNH Intern

As part of Energy Master Plan, one goal is to reduce Municipal Energy Use by 40 % by 2029. To measure that we need to have a system for tracking municipal energy use. Dartmouth intern set up tracking system for the Town of Wolfeboro in 2007. It was not maintained.

Nicole King was hired to create a new system, paid for by Municipal Electric Department. Huge thank you to Barry Muccio as this project could not have moved forward without him.

Nicole presented the system which is an excel pivot table. All data is collected and stored in one file. It can be easily cut and pasted from monthly reports from the energy suppliers. Nicole presented sample graphs of energy use, costs and CO2 emissions by Dept. for 2019-2021. Final edits and 2021 data still to be completed.

Nicole will train someone in finance to oversee the tracking system. Each energy provider will complete a spreadsheet for the month that can be cut and paste into the master spreadsheet. It should take 15-30 min a month. She has created a manual with step-by-step procedures. Pivot tables and charts can easily be refreshed and filtered to easily manipulate the data.

Next Steps: finalize data inputs including through 2021 for the four energy suppliers; meet with dept. heads to confirm that it's in the most usable format for them. Meet with finance to transition it to their care. Build in security to protect the data. Nancy stressed that regular check-ins with the town are needed to assure that data is being kept current, which we did not do next time.

Solar data is not being recorded at this time as well as transformer and line losses which is currently not being tracked. Nancy will check-in with Barry about line loss and how we can integrate it into the tracking so that as Barry improves the system we can see the benefits. Record as Electric infrastructure losses. Nicole will add solar to the spreadsheet.

Nancy will place the spreadsheet in Dropbox with protections and share with committee members.

EV charger update

The EV charger has been received and will be installed in the Spring. We'll work with Brian in February and March on signage.

Nancy will check with Barry about sizing the transformer that is being installed at Dockside for potential future use for DCFC EV charging.

Suggestion made to stage an event such as an E-mobility meet-up with all EVs including bikes in the summer. Discuss at future meeting.

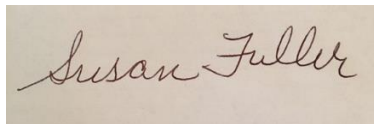
Ice Rink update: Nancy and Eli met with Victor Drouin and architects over a period of many months. The cost has skyrocketed because of unforeseen structural issues. Building needs to be replaced now. The architects had agreed to do an energy model of the facility and offer multiple options in terms of cap ex, operational expenses and energy savings. We never got those so had no data to make any informed decisions. They were under enormous time constraints. Nancy felt that we were not able to be effective and that we need to use this project as a lesson to learn how to be more effective in integrating bold energy considerations that help the town achieve the Master Plan energy goals, and reduce operating costs and capital expenditures for the town.

Renewables: update by Warren. Need a few numbers from Barry. Barry has included a solar project in his cap ex plan for 2024. We discussed solar on retention pond paid for by Constellation. Brian and Warren will put together a one pager on how that could work.

Next meeting: Thursday, February 17 at 9am at Wolfeboro Public Library Meeting Room

Meeting Adjourned 10:25

Minutes taken by Susan Fuller.

A handwritten signature in cursive script that reads "Susan Fuller". The signature is written in dark ink on a light-colored, slightly textured background.