

Wolfeboro Energy Committee

Date: 08.02.2021

Location: Wolfeboro Town Hall

Present (In person): Susan Fuller, Nancy Hirshberg, Jim Nupp, Rick Kourian, Eli Roxby, Brian Deshaies (Select board Representative), Warren Wilson, Dick Byrd

Old Business

Motion to accept minutes from June 25th meeting: Jim Nupp; second: Eli Roxby. All in favor

New Business

Intern

Nicole King, has been hired to update energy use by municipality including 2019, 2020 and 2021 YTD

Ice Rink

Kick-off meeting to talk about upgrades to Pop Whalen-new insulation on roof, dehumidification, and new locker rooms attended by Eli and Nancy with architects and engineers. Will continue to attend meetings to promote energy efficiency and conservation, and water conservation in the upgrades. Meeting again on Thursday, August 5 with Victor Drouin to talk about updates on these factors. Includes issue of tightening up building to control temperature better. Hope to look at scope of project costs, and operating costs.

Electric Vehicle Charger

PO is going out; money accepted (\$14,000). Donations are coming in. Dedicated line for new Gazebo and charger. Cellular service to connect to internet. Cost discussed- we will discuss what to charge at next meeting. Brian and Jim will have recommendations for cost. Private and public collaboration for this project is commended. Good support from the town. Design for sign for the charger mimics Wolfeboro town sign.

Renewable Energy Options for Wolfeboro: Presentation by Warren Wilson

- Goals from 2019 Master Plan reviewed; i) 10 year strategy for MED to stay current with new technologies & increase adaptation of renewable energy, ii) 50% of energy from renewable energy by 2029
- Overview: In 2020 WMED had ~69 MWh of metered sales; Town of Wolfeboro's main consumers were the Wastewater Treatment Plant, Hockey Rink / Parks and Rec and Street Lights.
- Currently Renewable Energy makes up approx. 0.5% of power consumed, driven by Net Metering production.

Action: Confirm Town of Wolfeboro's actual consumption figures.

- Likely Drivers to Fulfillment of 50% target by 2029
 - 1) Specific inclusion of Renewable Energy supply within RFP to supply WMED.

→Timing to be aligned with next PPA RFP likely in ~2025.

- 2) Develop >100Kw Utility Scale Renewable Energy Project(s); e.g Solar and/or Hybrid
 - Estimated sizing of 1 to 3 MWDC depending on land, demand, current PPA conditions.
 - Confirm possible locations within Town of Wolfeboro
- 3) Behind the Meter (BtM) generation (e.g Solar)
- 4) Research & model business case for Utility scale demand response Storage solution.
 - Build business model based on next PPA demand rate charges.
 - Launch RFP for review by possible developers
 - Monitor for possible grants and other incentives aimed for emerging energy technologies.
 - Review possibility to combine with Utility Scale Solar initiative.

Warren recommends continuing to mature / develop all initiatives on the list, focusing first on 1 & 2 as both may require input from WMED customer base & residents.

Next Steps:

- Brief WMED on Renewable Energy Options for Wolfeboro presentation; Warren to schedule.
- Invite Barry to come to meeting to continue conversation.

Drive Electric Week

9/25 -Saturday-Oct.-Sunday is Drive Electric Week. Potential event to promote new charger. May have electric cars available to have people look under their hoods and/or take test drives. Susan will contact Elissa Paquette for coverage.

Susan will request funds to renew town's Clean Energy NH municipal membership. All Energy Committee members are encouraged to attend the annual Local Energy Solutions Conference hosted by Clean Energy NH. This year's event is October 8 in person at Grappone Center in Concord.

NEXT MEETING TO BE DETERMINED AFTE WARREN SPEAKS WITH BARRY. It will be in the morning so Barry can attend.

Submitted by Susan Fuller