

Draft Tamworth Energy Committee (TEC) Minutes March 4, 2024, Cook Memorial Library, 3:00 pm

Call to Order: 3:00

Present: Gabrielle Watson John Kumm, Ellen Farnum, Ted Morgan
David Kunhardt (remote),

1. Community Power

Community Power will be presented to the public at Town Meeting on March 13th and hopefully approved by the voters.

There is also a cost sharing agreement that needs approval by the Tamworth Selectboard. (This is a standard form that other communities joining CPCNH sign.) Andrew Hatch from Community Power Coalition of NH (CPCNH) will join Gabrielle at the Selectboard Meeting on Thursday, March 7th to answer any questions.

Timeline:

- March 7, cost sharing agreement discussed with selectboard.
- March 13 Town Meeting
- Selectboard approves paperwork by March 21st, paperwork submitted.
- Public informational meetings in the first half of May
- Early June: letters sent to residents in Tamworth explaining choices,
- Launch program in June, 2024

Discussion: TEC members discussed working with other communities to share knowledge and work on Community Power and other energy projects.

To Do:

Gabrielle: Selectboard meeting on March 7th.

Ellen: Pass out CP handouts at March 4th Candidate's Night

EV EXPO May 5th

Ted talked to the Club Motorsports (CMS) Representative Zach Hewson. We now have a confirmed date and some further information about the event.

- EV Expo will be on May 5, 2024 from *9:00 to 11:00.
- CMS will provide a staging area where EV dealers or owners could showcase their vehicles for interested visitors. Classic cars will also be displayed.
- 9:30 to 10:30 Parade Lap: CMS will provide a lead control car for a series of "Parade Laps" (a controlled driveline of vehicles at regular highway speed.) both dealers and visitors could drive/demonstrate their cars.
*Visitors can stay past 11:00 am if they wish to have more time to visit the EV Cars and Classic Vehicles in the staging area. (They can also go up to the access road to watch members run laps in their cars)
- Insurance waivers will be needed.
- CMS will help contact Classic Car owners and ask them to participate,

Gabrielle also reported that NH Drive Electric may attend the Expo and set up a table with info.

Further Questions:

1. Will dealers and car owners be allowed to let visitors to 'test drive' their cars on Rt. 25?
2. Can CMS offer us a sample waiver form?
3. How can we streamline the process so that lots of visitors get rides?
Advanced sign-ups? Advance waivers?
4. How many cars can participate in the parade lap?
5. Details on size of staging area?
6. insurance waivers/sign ups in advance?

To Do:

- Publicity: Save the date info on the Tamworth Exchange, info on the town website, posters and handouts for local areas,
- Prepare/provide info on tax rebates or incentives

Ted:

Contact CMS for answers to the above questions,

Contact NuCar in Tilton (VWs (ID-4, and Kia's EV-6 and Niro), and Lovering Volvo in Meredith.

Gabrielle:

Create a spread sheet listing EV owners willing to give rides,

Contact Classic car owners,

Contact Tesla Representative, Contact/confirm GreenWave (VW, Rivian and Nissan),

John:

Contact Classic Car owners,

Contact/confirm Grappone, (Hyundai IONIQ 5/6 dealership) and Subaru (Solterra.) ask how many cars they would be willing to display,

Discuss Food Options with CMS friend,

Ellen:

Contact Irwin Motors, (Plug in hybrid and all electric, Prius Prime, Lightning or Ford Mach E.)

Brett School Energy Audit

John reported on the Energy Audit of the Brett School conducted by GDS Associates Inc. Engineers and Consultants, working on behalf of Eversource. GDS gave specific and general recommendations. Some of the recommended improvements may be eligible for benefits such as rebates. *Scroll down to see document

Further work is needed to find out what current, ongoing projects are occurring, before planning additional upgrades based on this report. John believes that upgrades will not be considered until next year. He will continue to study current project and recommendations in the GDS report. He will also consult with school board member Dexter Harding.

Next Meeting: Tentatively set for April 1st (Ellen will make sure the library is available on April 1 and on April 15th)

Future Agenda Ideas:

1. Town Office energy efficiency implementation - next steps
 1. Insulation
 2. Heat pumps
 3. ERV
2. Next steps on bringing solar options to Selectboard.
3. Committee brainstorm for 2024 priority initiatives.
4. Energy Committee web page - Update ideas, key documents to have, revisiting Ted's earlier suggestion for content.
5. Community Solar or Solar land lease or net metering
6. Do an energy inventory of Town properties using Energy Star Portfolio Manager
7. Research and install EV chargers in Town Office parking lot in 2024
8. Host workshop on funding and incentives for weatherization and electrification projects
9. Host house tour for energy efficiency innovations
10. Recap Cook memorial library community conversation Sept 27th - insights & talking points.

Minutes E. Farnum

MEMORANDUM

TO Nicole Kosieradzki, Eversource Energy
CC Jack Paloucek, Eversource Energy
FROM Jeremy Blanchard, GDS Associates
DATE March 4, 2024
RE Tamworth's Kenneth A Brett School , Tamworth, NH, Scoping Study Memo

GDS Associates, working on behalf of Eversource, has conducted a scoping study of the Kenneth A Brett K-8 School located at 881 Tamworth Rd, Tamworth, NH. GDS performed the following major activities:

- Performed site visit on Nov. 11th to document existing conditions and review existing building management system (BMS).
- Identified loads and potential energy conservation measures (ECM)s.
- Collected and benchmarked historical electric and oil consumption to understand usage profiles.
- Coordinated with the customer to collect additional information over the course of December and January.
- Developed high-level savings and cost estimates.

This scoping study provides a description of potential electric and oil ECMs that were identified during the site visit and outlines next steps for further developing the measures based on Tamworth's interest. Table 1 provides a summary of estimated costs and savings¹ for Site.

TABLE 1. SUMMARY OF SCOPING STUDY OPPORTUNITIES

Measure	Installation Cost ^{1,2}	Annual Electric Savings ³ (kWh)	Annual Propane Savings ³ (gal)	Annual Oil Savings ³ (gal)	Annual Cost Savings	Simple Payback (years)
ECM-1: Upgrade Refrigeration and Controls	\$9,000	8,100	0	0	\$1,539	5.8
ECM-2: Variable Speed Hot Water	\$3,000	3,500	0	0	\$665	4.5
ECM-3: Upgrade Electric DHW TO HPWH	\$24,000	940	0	1,218	\$4,807	5.0
ECM-4: Oil to Propane Boiler Fuel Switch	\$150,000	0	-30,000	23,000	\$34,300	4.4
ECM-5: Demand control Kitchen Ventilation	\$11,700	3,100	0	350	\$1,919	6.1
Total	\$197,700	15,640	-30,000	24,568	\$43,230	4.6

¹ Budgetary costs provided by GDS.

² Installation cost assumes each measure is a retrofit and the total cost is eligible.

³ Historical energy consumption and costs provided by Tamworth. A total blended rate of \$0.19 / kWh was used for electricity. Propane rates were calculated from the kitchen use at \$1.77 / gal and the oil rate was determined to be \$3.40 / gal.

¹ The costs and savings provided are estimates and require further refinement prior to implementing ECMs for incentive eligibility.

