

## Plainfield/Cornish Energy Committee Minutes 2019

### Meeting Minutes, Jan. 8

Attendees: Evan Oxenham, Ron Eberhardt, Will Brown, Steve Ladd, Betsy Lynd, Nancy Wightman, Lee Lynd, Jennifer Lenz.

MINUTES of Previous Meeting: The December minutes were corrected to change the line in Section B, .. the potential of 5 MW where there is 3-phase power. Remove the 0 from 50 MW to 5 MW. Solar limitations should include Town and Rural permit restrictions. Steve OK'd minute changes, Nancy 2nd.

RF100 Goal. Ally reported that 103 towns have joined the campaign.

HEAT PUMP EVENT. Nathan Moore and homeowners will be there. Bill and Mary will be MCs ., Publicity is done, Refreshments.. Evan will bring fizzy water, Nancy, brownies and cups, etc. Steve will see that we have sign up sheets.

ENERGY REQUIREMENTS. How? Suggestions: Survey with a probable poor response or concentrate on utility info. Intern from Tuck.  
SOLAR SITING tabled.

JIM BARKER as facilitator? Leave this for Joanna.

STAKEHOLDER COMMITTEE: Thoughts that Evan will incorporate into Charter and will be found in the Drive. We might refer to the committee as an Advisory Committee, 8 members 'from town residents or representatives of town', The committee 'could'.not should..., Reps might also include commuters.

Evan will put in Drive and when firmed up, both towns will present to Selectboards for feedback by February, hopefully. Our committees will each make lists of possible stakeholders to present to Selectboards.

Discussion on who appoints... Select board or Moderator.

PLAN: We will complete an initial plan by April!

FUTURE EVENTS: Amro Farid, Dartmouth, consults for ISO in NE. Lee will try to entice him to come for a late March Event.

Other Event ideas: citizen funded microgrids, Blockchain, group net-metering. power purchase agreement

Next Meeting: Feb 5, 2019

### February 5, 2019 Meriden Library Time: 7:00 - 8:30 pm

**Attendees:** Bill Cable, Evan Oxenham, Jennifer Lenz, Joanna Sharf, Mary Boyle, Nick Cohen, Ron Eberhardt, Will Brown, Jim Barker

#### **1. Minutes of Previous Meeting - approved**

## 2. Heat Pump Event – debrief:

- ✓ Review: all-in-all a success; more successful in attendance than many others; lots of audience participation & interest
- ✓ Mary will contact Claremont person about RF 100% and Windsor person about starting an energy committee
- ✓ Report from Evan about the Oxenham newly installed heat pump

## 3. Jim Barker – Cory Fitch was the contact. Jim is a member of the Cornish Conservation Commission; strategic planning expertise. Will 2 or 3 meetings. Evan will lend Jim a copy of the Planning Toolkit tomorrow afternoon. 113 Tiff Road, Cornish 03745 [jbarker1447@gmail.com](mailto:jbarker1447@gmail.com) Deadline was April 4, 2019. Act as facilitator. Look at threats that would reach our goal of 100% renewable electricity energy by 2030 and other energy sectors by 2050. Every goal should be measurable. We need to work on topic of Regulations seem to be one topic. Goal would be what is on the town warrant articles.

## 4. Stakeholder Committee.

Need feedback from select board BUT no meeting time before the town meetings in March.

- ✓ Stakeholder members would review the plan.
- ✓ Define: Plan will be affected by Public Utilities. Depend on Renewable Energy Credits (RECs)
- ✓ Explore municipal aggregation in which we share with other towns. Possibly our towns, Cornish & Plainfield *could* become its own utility by joining Lebanon!
- ✓ Community solar is another possibility.

Need more concrete steps to make RF 100 happen. By enticement convince townspeople there is potential for electricity to be cheaper.

## 5. Implementation Plan

- Should we come up with a 3-5-year plan, or 5-year plan? We decided on a 5-year plan
  - Identify & Recruit stakeholders; hold stakeholders meeting by Mar 1 (*possible stakeholders: Hunter Ulf - KUA, Brad Atwater - Facilities Manager, Steve Taylor - Open Space advocate, Bill Knight - builders, Terry Donaghue, Project Manager of Norwich Technologies - solar installer, or conflict of interest?*)
  - At end of March assess when we come up with a preliminary plan
  - Different RF 100% (Ready for 100% Renewable Energy) plans for Cornish & Plainfield and make stronger wording of mission statements for each town.
  - Review other towns' plans, charters (*downloaded to google drive: 100% Renewable/Other Towns Plans folder*):
    - Hanover
    - Concord
    - Keene
    - Durham
    - Hartford
    - Sarasota

Update Master Plan/Mission Statement – equitable and just transition to 100% renewables

- Meet with other Town Committees: Zoning, Planning, Conservation, ...

- Find out from Sierra Club what other small towns are doing
  - **Challenges:**
    - Committee Members – who can do the implementation work
    - Funding
    - 3 Phase Power
    - NH regulations, re Net metering, caps, etc
- 6. Next Educational Presentation?** Batteries, grids. Evan will contact Liberty. Mary will contact Cliff Below about giving a public presentation on group net-metering. Other ideas are blockchain, power purchase agreements (Mary will ask Vital Communities, Barrington, NHSEA – Bill Cable will research this). Another idea is energy saving gadgets. Have a Green Brigade July 4<sup>th</sup> parade “float” Report back by March 5
- 7. Other Business?** Mary will have the video recording of Heat Pump presentation compressed MP3 to put on town websites.
- 8. Next Meetings – Tuesdays: February 19 @PRML (Evan will check with Mary King), March 5 @Meriden Library, March 19 @PRML**

**Meeting Minutes, February 19, 2019, Philip Read Memorial Library, 7:00 - 8:30 pm**

**Attendees:** Bill Cable, Evan Oxenham, Jen Lenz, Joanna Sharf, Mary Boyle, Ron Eberhardt, Steve Ladd, Jim Barker, Nancy Wightman.

- 9. Minutes of Previous Meeting-** approved
- 10. Ready for 100 NH Statewide Call** – February 27, 7-8 PM. On February 21 participated in the National RF 100 call by Sierra Club with Laura Comer re: Community Mapping concept. Mary will give a brief report at the meeting when Jim Barker is present.
- 11. Committee mission statements and energy master plans.**
- ✓ Update – CEC will meet soon to discuss the status of the recent Cornish Town Master Plan. Evan wants to take first stab at the Plainfield town master plan.
  - ✓ The energy master plans must be equitable in a way that people with lower income will not be impacted unfairly so must be equitable for a just transition to 100% renewables
- 12. Steve looked at information:** from Liberty about users: was data closer to 10 MW for the town of Plainfield? Evan contacted Donna DeMarsh from Eversource, a lobbyist and works in the state house. Evan/Lee will contact NH Coop Don Kreis, PUC consumer advocate. Steve also was contacted by ACT looking at how other towns are putting together agreements with other PPA - Nick Hernandez. Table or Posters at town meetings. Document Lee has as a handout for town meeting. This handout is sent as an additional attachment to this email. So look for it.
- 13. Implementation Plan- Jim Barker based his Planning Process Agenda based on the “Strategic Energy Action Toolkit”**
- I. Introduction: Working on each town’s meeting mission statement is necessary so we can work to implement Goal(s). The Mission statement must be motivating and worded with broad strokes. Present Cornish Energy Committee mission statement is: *The town of Cornish takes local steps to save energy and reduce greenhouse gas emissions.* Suggestion by Jim: Convince the citizens of Cornish to take action. Jim explained the concept of the planning process and we need to look at a few factors:

- ✓ Length of time to accomplish the Action Plan: 5 years with a check-in every year
- ✓ Stakeholders vs community input sessions to inform and prioritize strategies. Mary has suggestions from the RF 100 conference call re: Community Mapping suggesting one-to-one conversations with each individual stakeholder. Ex. Coffee with the police chief.
- ✓ Review other towns' plans, charters Meet with other Town Committees: Zoning, Planning, Conservation Commission
- ✓ Find out from Sierra Club what other small towns are doing – Ask Joanna to contact Allyson
- ✓ **Challenges:** we discussed these issues:
  - Committee Members – who can do the implementation work? We need help.
  - Funding – we need more money to get data, etc.
  - 3 Phase Power – didn't discuss this
  - NH regulations, re Net metering, caps, etc

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**GOAL: to adopt 100% clean, renewable energy for all the town's energy needs. This includes reaching 100% renewable electricity by the year 2030 and 100% renewable power, transportation, and heating by 2050.**

**Five criteria must be met in order for the goal to be accomplished:**

- ✓ **Specific**  
**Measurable: not easily accomplished**
- ✓ **Achievable**  
**Reasonable: This is a high ask. It is reasonable goal to this committee**

but...

- ✓ **Timely**

.....  
**Brainstorming Period to work on MEASURABLE**

How we can make the goal measurable? Struggling to get the **baseline numbers for electric usage**. How to measure success of the goal.

How do we get baseline? Need to start somewhere, get a measurement to measure the progress we're making toward the goal.

**Utility data** Ranked as 16

Vehicle data through vehicle registration: how many cars, trucks, etc. Ranked as 3

Municipal data can be obtained from utility bills Ranked as 0

Solar data from utility companies (net metering data) Ranked as 3

Survey – of town (residential & business) to determine what type of heating energy sources, etc. Ranked as 0

~~Residential received from the taxes at the town level or state taxes? Municipal tax on all utilities~~

Survey tax assessments (what type of heating) property taxes Ranked as 0

Get an RSA to require (Don Kreis) energy info. A policy change at state level. Ranked as 1

Ask others at UVEC roundtable which will be held the first week in May.

~~Get more people to town meeting~~

Survey oil suppliers. Ranked as 1

Warrant article to fund energy committees Ranked as 3  
Hire an energy consultant/administrator Ranked as 3  
**Ask Tuck students to take on a project – contact over summer April Salas\*\*\*** Ranked as 12  
Estimate using per capita data Ranked as 2  
Is there an app that collects data? make a competition Ranked as 2  
Ask other towns  
Competition

**CONCLUSION: Getting utility data was most important priority for getting measurements. Getting help from Tuck students was next most important for getting measurements. The rest of the ideas were far behind in the ranking during the brainstorming session.**

**We'll work on the next phase with Jim next month at the Philip Read Memorial Library in Plainfield**

14. **Next Educational Presentation?** Evan says Liberty can talk about how the grid works. Joanna will ask Hartland Energy Committee about an event that she thought was good; Evan will ask Henry (last name?) from Clean Energy NH. Lee asks Emril Faried. *How Does Grid Work and How Do We Add Renewable Energy to the Grid?* Date to hold presentation? Shoot for April 30.
15. **\*\*\*Let's consider doing something fun on Earth Day, Monday, April 22, 2019\*\*\***
16. **Steve away into middle of July**
17. **Next Meeting – Tuesday March 5 at Meriden Library**

### **Meeting Minutes, March 5, 2019 Meriden Library 7:00 - 8:30 pm**

**Attendees:** Nancy Wightman, Will Barker, Evan Oxenham, Joanna Sharf, Nick Cohen, Shideko Terai, Steve Ladd.

18. **Minutes of Previous Meeting** - approved
19. **R100 Meeting on Community Mapping** – Shideko: a method to approach the stakeholders by relationship building
20. **Town Meeting**
  - ✓ "Citizen's Guide to Reducing Energy Waste", other docs?
  - ✓ Who will staff tables? Cornish is ready
21. **Committee mission statements and energy master plans.**
  - ✓ Update to Plainfield mission statement: encourage
  - ✓ Cornish is still working on it
22. **Next Educational Presentation** at end of April: How renewables could be incorporated into the grid: GRID MODERNIZATION
  - ✓ Amro Farrad - **Lee Lynd'**: Lee has been away
  - ✓ Josh Castonguay at Green Mountain Power: Joanna contacted him already. TBD
  - ✓ Clif Below of Lebanon – grid modernization; **Shideko Terai**
  - ✓ Henry Herndon – **Evan Oxenham**
23. **Implementation Plan – Jim Barker**

**Missions** – updated by Plainfield; Cornish still okay with theirs  
**Tonight:** Brainstorming on ACTION STEPS that committee will take (opportunities & threats later tonight?) and then prioritize these items. Jim will continue with this until job is done!

Brainstorming on Action Steps

- Contact Tuck School
- Stakeholder Charter – Ron Eberhardt
- Explore Municipal Aggregation
- Need money or grants by town warrant article
- Put up EV charging stations
- Data collecting on energy use
- Low income solar project
- Make an effort to get all municipal buildings using renewable energy
- **Encourage** switching to electric vehicles – municipal, residential
- Need to know what Lebanon is doing and then collaborate with them
- Adoption of heat pumps – municipal, business, residential, institutions
- Reducing energy consumption
- Identify potential solar sites
- **Encourage** neighborhood solar
- Expo on EVs here
- Resiliency
- **Encourage** buying green power i.e. provide options for residents which could tie in to municipal aggregation
- Explore wind power
- Explore grants
- Provide info for EVs
- Explore wave power
- **Encourage** hot H<sub>2</sub>O
- How to save \$\$\$ (backed by facts)
- Supply info on methods to get to saving \$\$\$
- Educational series continue
- Solar Ed series each year: Solar 101
- Identify companies that supply green power
- Offer incentives for green power
- Offer info on incentives for green power
- Renewable energy education series
- Replace lightbulbs in Town Buildings
- Update building codes – conform
- Net zero buildings
- Inform people about net zero, and passive buildings
- Adopt the 2015 international building codes
- Review zoning ordinances
- Get involved with state level politics
- Continue weatherize program
- Biofuels
- Carbon pricing
- Space for carbon extraction
- 

NOTICE HOW IT ALL RELATES TO STATE & FEDERAL POLICIES

Clean Energy NH (fka NHSEA); Association of Conservation Commissions; Sierra Club

Threats

Lack of money  
Perception  
Perception that your solar panels are driving up my energy bills.  
Lack of personnel  
Change in landscape, farmland, birds  
Climate deniers  
Entrenched interests ex. Gas stations, car mechanics,  
Time  
Increasing cost of solar, tariffs,  
Solar have's versus solar have nots  
Low cost of carbon fuels  
Technology lag

Opportunities next time.

24. Next Meeting – Tuesday March 19 - Philip Read Memorial Library

### **Meeting Minutes 4/2/19**

Present: Ron Eberhardt, Jen Lenz, Nancy Wightman, Joanna Sharf, Evan Oxenham, Will Brown, Dick Gendron, Sean Teehan

**1. Minutes of Last Meeting** -- Approved.

#### **2. Long Term plan.**

Nancy presented outline of plan as per last meeting, using a chart she made. Thank you, Nancy!

See 3/19/19 Meeting Minutes for this outline.

Evan -- the State may pass 2015 Building Codes this year, so towns won't need to.

Evan recommends we start attending Lebanon Energy Committee meetings.

Evan observed that we didn't include energy efficiency actions in our 5 year plan. Joanna mentioned that they would be included in any Weatherize program.

A suggestion was made to do energy audits on all municipal buildings.

Evan stated that it would be ideal to create a solar-powered-with-battery-backup microgrid for municipal buildings to protect town in power outages.

#### **2. Next Educational Presentation:**

April 24, 7-8:30pm, Plainfield Library.

1/2 hr. for each speaker. 1/2 hr. for questions.

Evan will do posters in Plainfield; Nancy will put posters up in Cornish.

Jen will work with Shideko on finishing poster; post on Facebook.

Nancy will do refreshments. Evan will bring cans of selzer.

Joanna will keep in touch with Graham Turk; Evan with Henry Herndon.

Evan will send to Valley News Calendar.

**3. Energy 101 course at Dartmouth.** Evan is attending. Will share materials on Google Docs.

**4. This year's educational programs.**

1. Grid Modernization.

2. Electric gadgets; e-bikes -- Bill Cable -- June?

3. July 4th parade in Plainfield -- have an electric gadgets contingent or float.

4. Batteries - September.

a. Liberty home battery pilot program. Evan can get Liberty to present on this.

b. Green Mountain Power home battery program.

c. Someone could talk about make-up of Tesla, Sonnen home batteries

d. Perhaps discuss how to recycle these batteries?

5. EV's. Detailed info on costs and savings. November.

6. Community solar -- hold for next year when we might know more about whether the process for setting these up in NH might be easier.

**6. Contact Tuck School about interns for measuring energy.** No answer from April Salas to March 24 email. Joanna needs to follow up.

**7.** Will Brown will research what Lebanon is doing. After that we might invite Cliff Below to speak to us at one of our future meetings about what Lebanon is doing; municipal aggregation.

**8.** Evan will provide info about energy bills currently being considered in State Legislature.

Next meeting **Tues. April 30, 7-8:30pm.** Philip Read Memorial Library. Evan will reserve room.

### **Meeting Minutes, April 30, 2019, Philip Read Memorial Library, 7:30-9:00 pm**

**Attendees:** Jennifer Lenz, Joanna Sharf, Nick Cohen, Dick Gendron, Will Brown, Ron Eberhardt, Shideko Terai, Evan Oxenham, Steve Ladd.

**1. Minutes of Previous Meeting: 1 minute** – Where were Energy 101 courses on the drive? Show Steve Ladd. Minutes were approved.

**2. 2nd Municipal RF100 Networking Meeting**

**a.** Friday, June 21, from 10am-4pm, and will be in Concord. Free lunch. Coffee.

**b.** 3 people from each town can attend. Shideko will ask John Hammond to attend.

**c.** Write to Allyson Samuell if you have an idea for workshop.



3. **Grants and funding for energy committees:**
  - a. **Claremont Savings Bank foundation grant application** - \$500-1000. Has to be an 501C3 to apply. Vital Communities may already have applied. May 10 is deadline. The Meriden Bird Club can be a Fiscal Agent. Shideko will ask TMBC.
  - b. **Tasker Grant:**
  - c. **NHGREF (Steve):**
4. **Hanover is asking Liberty to provide a Green Power Option. Would PEC\_CEC like to join in on the request. All Liberty Customers.** May lose solar net metering, no obligation... Joanna will tell her we are interested in seeing what this program is about.
5. **Grid Talk Review**
  - a. Municipal aggregation - SB 286. Status of bill: in the house. Opt in vs. opt out. Sununu may not like the opt out proposal.
  - b. Connecticut Green Bank – Private sector investors. Has a small amount of money to entice use of Accelerates use of green projects. It will require some investigation on our part.
  - c. Community development finance authority – NH organization that provides funding for various projects. Requires more investigation.
6. **12th Annual Upper Valley Energy Committee Roundtable**  
**Tuesday, May 7, 5-8pm, Fireside Inn & Suites in West Lebanon, NH. Many**
7. **Long Term Plan –**
  - a. Where do we stand with the stakeholders? Town of Plainfield has decided to form a Stakeholder Committee. The point of the stakeholder is to have people to represent the town as an advisory committee.
  - b. **Spruce Bark** – trailer park on 12A Steve will look into this.
  - c. **Three-phase power along 12A-** talk to utility to get PUC to agree it would be important as Henry Herndon suggested.
  - d. **Nancy's visual of summary of**
8. **Next Educational Presentation: 10 minutes MAX!!!**
  - 1) **Electric tools** (Bill Cable) – Cornish Town Hall (Nancy availability) , June 23 Sunday afternoon 2 – 4 PM. “Electric Tool Expo” “Tools without Fumes” “Tools of the Future” Bicycle Video. Steve suggested we film our educational programs on a regular basis. Ask Ginny Wood’s son.
  - 2) **July 4<sup>th</sup> parade:** recruit members to participate to walk with electric powered tools plus a few EVs. Ask Glen Greenough about his TESLA.
  - 3) **Batteries - October**
    - a) Liberty home battery pilot program. Evan can get Liberty to present on this.
    - b) Green Mountain Power home battery program.
    - c) Someone could talk about make-up of Tesla, Sonnen home batteries
    - d) Perhaps discuss how to recycle these batteries?
  - 4) **Community Solar** (Nancy)

- 5) **Growing vegetation to sequester carbon (Joanna)** – Ask Jo Evarts, too.  
Joanna mentioned hemp.
  - 6) **Energy 101** – includes Solar 101
  - 7) **EV Expo** – September; we should help out
9. **Contacting Tuck School for energy measurement interns** (Joanna?) There's an intern at Hanover HS that we might approach. Somebody should be interested in devising a plan to get the data. Joanna will follow up with April... ask for other resources. NH EPA, NHDES. Get NH legislature to pass bill to collect data of energy use in towns. SB 284 multi-use data collection platform.
10. **Brad wants to meet with Plainfield Energy Committee after our meeting adjourns.**
11. **Next Meeting – Tuesday June 4, 2019 at 7 PM - Meriden Library**

**Meeting Minutes, June 4, 2019 Meriden Library Time: 7:00 - 8:30 pm**

**Attendees:** Jennifer Lenz, Joanna Sharf, Nancy Wightman, Ron Eberhardt, Shideko Terai, Evan Oxenham, Daisy Yatsevitch, Barbara Cieslicki, Bill Cable, Jen Wightman, Dick Gendron

12. **Minutes of Previous Meeting** – Correction Spruce Park, not Spruce Bark – approved with correction noted
13. **2nd Municipal RF100 Networking Meeting**
- a. Friday, June 21, from 10am-4pm, and will be in Concord
  - b. 3 people from each town can attend – Plainfield: Steve Halloran, Rob Taylor, and Evan Oxenham; Cornish: Joanna, Shideko (?) and we'll check with the Cornish selectboard and encourage their attendance
14. **Grant Applications** – The Meriden Bird Club executive committee met and said it is a definite maybe to list the organization as a fiscal agent and asks that the project is well-defined & has a start and end date and projected costs. On
- a. **Claremont Savings Bank foundation**
  - b. **Tasker Grant -**
  - c. **NHGREF** – Still waiting on Steve Ladd to give his progress
  - d. **Congestion Mitigation Air Quality (CMAQ) 2019** - Call for Projects. EV charging station is a likely project.
15. **Goals for working toward RF 100** – Actively participate in energy legislation in NH. One bill is HB365 concerning net-metering being vetoed by Gov. Sununu. No bill has passed to take money out of RGGI (Regional Greenhouse Gas Initiative which 16 states are part of), however, the money is being moved from residential to municipal. Biomass bill now has the incinerator portion taken out. Resources to help follow progress of bills is Clean Energy NH and [gencourt.us.nh.gov](http://gencourt.us.nh.gov)
16. **Long Term Plan**

- a. **Spruce Park** – trailer park on 12A Steve will look into this to see if solar panels could be installed
- b. **Three-phase power on 12A** – need to talk to utility. How can they run the lines? Evan will talk to Eversource and raise this issue and what's your take on this idea and the 3-phase power availability. Is there a map available from the utility companies where these different lines are located? Evan will talk to his contact with Liberty.

**17. Next Educational Presentation:**

- 8) Electric Tools Showcase, June 23, Cornish Town Hall 2 PM (Bill Cable) – posters designed and distributed. Evan will do Next Door and VNews Calendar. Steve Ladd will put out the emails. Jen Lenz will post on Facebook. Dick will ask Laird if Matt Wood would videotape the event. Shideko will reserve the video equipment from CATV. Many tools & devices will be available at show. Bring Energy Star rating labels for discussion points in order to connect the efficiency. Bill will bring Lithium batteries. Send any of the contributions to Bill so he can type up a list of the devices to display. Shideko will print a sign-in sheet and spigot water container.
- 9) July 4<sup>th</sup> parade – Evan will make contact with the organizer. Joanna & Nancy W. will work on a banner and 2 kids to carry the banner; Shideko will ask Kelsey to ask camp kids.
- 10) No events in August!
- 11) EV Expo – September 14 at Dothan Brook School, WRJ, VT. Bill will provide more details and task requests so PEC\_CEC will provide volunteers
- 12) Batteries - October.
  - a) Liberty *home battery pilot program*. Kevin Clough (Liberty) says Liberty can present – pending meeting date.
  - b) Green Mountain Power home battery program. Joanna will ask if there could be anyone to attend as an expert.
  - c) Someone could talk about make-up of Tesla, Sonnen home batteries. Programs and use Joanna could
  - d) Perhaps discuss how to recycle these batteries?
- 13) Community Solar (Nancy) in the future.
- 14) Growing vegetation to sequester carbon (Joanna)
- 15) **Energy 101** – includes Solar 101

**18. Contacting Tuck School for energy measurement interns** – Joanna will phone April Salas.

**19. Jen Wightman** – gave news about what NYC five boroughs is doing about reducing its carbon footprint by capping emissions by first doing an audit to rank buildings. A governmental decision to move toward RF100.

**Next Meeting – 7 PM Tues July 2 - Plainfield Library** – Evan will reserve it for us.

**Minutes July 2, 2019**

**Philip Read Memorial Library, Route 12 A, Plainfield, NH.**

**Time: 7:00 - 8:30 pm**

**Attendees:** Jennifer Lenz, Joanna Sharf, Nancy Wightman, Nick Cohen, Dick Gendron, Evan Oxenham, Steve Ladd, Nate Bergeron.

- 1. Minutes of Previous Meeting Approved.**
- 2. New attendee: Nate Bergeron from Plainfield.** He has his own plumbing & heating business. Knows a lot about heat pumps. Welcome!
- 3. 2nd Municipal RF100 Networking Meeting - Friday June 21, 2019 in Concord.**
  - a. Report back. Evan, Joanna and Dick attended.
  - b. Evan described the presentation by the utility companies -- NHSaves, NHEC & Eversource. Eversource is planning a utility scale battery for Westmoreland, perhaps a home battery program, and might be installing EV chargers around the state (not clear what the timeline on any of this is). NHEC has multiple renewable energy projects going on.
  - c. Presentation on municipal aggregation. Joanna explained that this is a promising program. Towns become energy brokers -- buyers & sellers of power. Utilities still would maintain power lines and transmission of power. Towns can buy green power, or build their own renewable energy projects and sell that power to residents. Towns can band together for aggregation. Dependent on NH legislation to change opt-in to opt-out.
  - d. Evan participated in webinar on EV chargers and their impact on the grid. He will provide link to info. Apparently one DC fast charger costs \$100,000 to install. Companies installing the fast chargers need to find a way to recoup costs.
- 4. Grant Applications**
  - a. **Tasker Grant** – Due in November. Up to \$5,000. Needs to be joint Cornish/ Plainfield project.
  - b. **Claremont Savings Bank.** Deadline passed (due in June). \$5,000. Requires 501(c)(3).
  - c. **NHGREF** – Does not require 501(c)(3). Possibly up to \$3,000. Discussion about Cornish applying to this grant for EV charger, and Plainfield applying for general energy committee funds (Steve Ladd).
  - d. **Jack & Dorothy Byrne Foundation.** Requires matching funds and 501(c)(3).
  - e. Town 501(c)(3) organizations: Meriden Bird Club, Cornish Meeting House, Cornish Fire Dept., Cornish Fair Association.
  - f. Use grant for EV charger and weatherize projects.
  - g. Cornish will now be getting \$250 per year for operating expenses from the Cornish town budget.
  - h. **We need to decide soon via email which grants we will apply for, and which projects they will cover.**
- 5. Three-phase power on 12A** – Discussion about utilities expanding 3-phase power in our towns. The Eversource rep at the Concord RF100 municipal networking meeting said the owner of a specific project that needed 3-phase power would have to bear the cost. We will need to revisit this at appropriate time.
- 6. Gathering of energy data.**

- a. Nancy reminded us that we were not pursuing this now, given a state law that would create a centralized energy data platform. Not sure about status of law.
- b. Joanna mentioned that April Salas of Tuck Revers Center for Energy is actively pursuing a NH version of VT's "Energy Dashboard" which would make energy use available to everyone in any town. Bill Cable sent us a link to this in one of his emails.
- c. Evan talked to William Hinkle at Eversource who said he would get us in touch with someone who could help us get our energy data from Eversource.

## 7. Energy Intern.

- a. Laura Hutchinson is an energy intern from UNH who is working with Hanover now. She was at the RF100 municipal networking meeting. Very capable. She suggested we email her a proposal for what we would like to use an intern for in Cornish & Plainfield, and she would help get us connected to the UNH program to get an intern.
- b. Evan will write her to ask what exactly she is doing for Hanover.
- c. Ideas for what an intern could help us with:
  - i. Town survey to get input on how to achieve 100% renewable energy goal.
  - ii. Solar siting -- find good sites for large scale solar.
  - iii. Help with compiling municipal energy use -- get our data up to date and entered properly.
- d. **We need to write proposal for intern by July 16 because Laura's contact info is good only for a few more weeks.**

## 8. Next Educational Presentation:

- a. Electric gadgets (Bill Cable) – evaluation. Attendance was a little disappointing -- about 20 people, but those who came were really well engaged -- asked good questions. Nancy suggested in future that we focus on just a few items, and give better info on how to figure out which device and battery size is best for individuals. Shideko filmed the event.
- b. July 4<sup>th</sup> parade – assemble at 10:30 am on Thursday at Westgate Road. Parade starts at 11:00 am
  - i. Bill (in email) suggested that his electric car and motorcycle be at the front and back of our contingent -- he will have signage for them -- people with gadgets walk in between them.
  - ii. Evan will bring his push mower, chainsaw, brush cutter.
  - iii. Joanna will bring weed wacker.
  - iv. Jen will ask her neighbor, Urnezis, to bring riding mower.
  - v. Steve will carry Evan's chainsaw.
  - vi. Jen and Nancy will carry signs created by Nancy.
  - vii. **WEAR GREEN!!!**
- c. **EV Expo – September 14, Dothan Brook School.** Bill Cable will be actively involved in this. See him to participate.
- d. **Batteries.** Get Liberty's Kevin Clough and rep from Eversource to discuss their proposed home battery programs. Evan will contact Kevin Clough and Eversource rep (?) to ask if they are available for the following dates in October.
- e. Mon. Oct. 7, Wed. Oct. 9, Thurs. Oct. 10, Tues. Oct. 15 and Thurs. Oct. 17.

9. **Next meeting: Tues. August 6 at 7pm.** Nancy proposed that we meet at the Cornish Town Offices. Nancy will check if it's available on that date.
  - a. Topics to add to next meeting's agenda:
    - i. Zoning proposals/warrant articles for next Town Meeting.
    - ii. When to launch our next weatherize program.

**Meeting Minutes, September 3, 2019, Meriden Library 7:00 - 8:30 pm**

**Attendees:** Steve Ladd, Jennifer Lenz, Joanna Sharf, Nancy Wightman, Dick Gendron, Evan Oxenham, Nate Bergeron, Doug Heaton, Shideko Terai, Bill Cable

1. **Minutes of Previous Meeting:** unanimously approved
2. **Grant Applications**
  - a. **Claremont Savings Bank foundation** – Meriden Bird Club will act as fiscal agent. Use grant to support data collection project.
  - b. **Tasker Grant** – Nancy spoke to Jill Edson – needs to be used for Cornish / Plainfield project. Due in December. Money could go toward cost of charging station installation might be a possibility. Plainfield Elem. Sch.? Cornish Elem. Sch.? Cornish Store Property? Meriden Deli Mart?
  - c. Lengthy discussion about EV charging stations.
  - d. Evan Oxenham will contact PES & Bill Knight (about both schools). Nancy W. will contact Alexis Wilbur.
  - e. **NHGREF** – Steve Ladd applied and \$750 was granted! Thanks, Steve!
  - f. **Congestion Mitigation Air Quality (CMAQ) 2019** - Call for Projects. Shideko didn't write application.
3. **Bi-State Electric Vehicle (EV) Connector** – Friday, September 27, 2109 at Hypertherm, 71 Heater Rd, Lebanon, NH 8:30 a.m. registration check-in. 9 a.m. – 3 p.m. Free.
4. Find the “CLICK HERE FOR REGISTRATION LINK” on the document below
5. <https://www.granitestatecleancities.nh.gov/documents/registration-and-sponsorship.pdf>
6. **Municipal Aggregation (from LEAC presentation by Samuel Golding) Community Choice Aggregation (CCA)**
7. **Community choice aggregation (CCA)**, also known as municipal **aggregation**, are programs that allow local governments to procure power on behalf of their residents, businesses, and municipal accounts from an alternative supplier while still receiving transmission and distribution service from their existing utility ...Aug 2, 2019
8. <https://next10.org/sites/default/files/ccas-and-the-grid-final-1.pdf>
  - a. Preparing warrant articles will require plenty of preparation through educating our town residents in Plainfield and Cornish. Evan Oxenham will get copy of Hanover's warrant article.
  - b. Keeping in touch with Lebanon about our interest in joining their proposed CCA
9. **Charging Stations**
  - a. **Info from Jessica Wilcox**, Coordinator, Granite State Clean Cities Coalition (GSCCC) and Grants Manager, New Hampshire Department of Environmental Services (NHDES); source of funding? Shideko and Evan will contact Jessica Wilcox; possibly set up a conference call with her next week.
10. **Weatherization Cornish-Plainfield:** Preparation in December for a “kick-off” in January 2020. Nancy W. has a list of potential contractors.

11. **Next Educational Presentation:**
12. **EV Expo** – September 14, Dothan Brook School. Pre-register [www.uvevexpo.org](http://www.uvevexpo.org)
13. **Batteries** - October date: Liberty home battery pilot program. Kevin Clough (Liberty) says Liberty can present – pending meeting date. Evan Oxenham will contact Eversource and Liberty for dates they could be available.
14. **Electricity 101** – includes how to read your electric bill? (Steve Ladd). Discussion deferred until next meeting
15. **Community Solar** (Nancy) – Discussion deferred until next meeting
16. **Growing vegetation to sequester carbon** (Joanna) – Discussion deferred until next meeting.
17. **Contacting Thayer School for energy measurement interns** (Shideko). Joanna will draft a proposal for what we need for interns.
18. **Long Term Plan – Discussion deferred until next meeting**
  - a. **Cornish**
  - b. **Plainfield**
19. **Next Meeting – Tuesday October 1 - Plainfield Library.**

## MINUTES October 1, 2019 Philip Read Memorial Library, Plainfield

**Time: 7:00 to 8:30pm**

**Attendees: Jennifer Lenz, Dick Gendron, Ron Eberhardt, Bill Cable, Nancy Wightman**

**Grant Applications:** It appears that we are not ready for applying for grants. We need sites for charging stations and weatherization has no immediate monetary needs at this point.

**Bi-State EV Connector:** VT Transit will be getting 3 EV busses to hold about 20 people. Fast chargers are the coming thing. Smart chargers are the probable way to go when we are ready. They cost about \$5,000. Quite a bit more that we had thought.

**Dothan School EV event:** about 500 came to try out several EVs and electric bikes.

**Municipal Aggregation:** It is coming to Lebanon and we will probably have the option to join in as the more who sign up, the better. Until then, seems prudent that we wait. We did not discuss Plainfield plans. My fault, I did not read the agenda carefully enough.

**Community Power Choice:** Evan sent us several pages of info on Community Choice aggregation, coming from California which has made it a state policy (Type 2). Type 3 would be Regional and Type 1, Municipal - Hanover and Lebanon. The Selectboard would need to form a Community Power Committee.

**Charging Stations:** We lack sites for chargers so will readjust plans when one is found. Jessica Wilcox was not approached for comments on grants.

**Weatherization:** Event in January. Bill Cable will talk to Sarah Brock at VC on procedure for contacting contractors and NH Saves, low cost audits. Might add cold weather heat pumps with both Nates (Nate Moore and Nate Bergeron) as possible presenters.

**Educational Series:** Batteries. Move to November? Maybe Steve could present Electricity 101 instead, if he is here. Bill has the opportunity to obtain a 3 battery Zantrex inverter that can power a plug in furnace if the power goes off. It could be given away as a prize at one of these events. It comes from Ida Burroughs.

**Contacting Tuck School.** Joanna was not present to comment.

**Next Meeting, November 5, 7pm, Meriden Library**

Fun info from Bill: UK is installing 174 windmills 75 miles off-shore, 300 feet tall, 7 MW each! Will service 1 million homes. It is on the Yorkshire Coast.

### **MINUTES November 5, 2019 Meriden Library, 7 to 8:30**

**Attendees:** Evan and Lee Oxenham, Nick Cohen, Doug Heaton, Joanna Scharf, Dick Gendron Steve Ladd, Bill Cable, Nancy Wightman

**Minutes of Oct. 1 approved**

**LES Conference, Concord, Nov. 15:** Joanna and Lee are going; Dick and Nick possibly. Plainfield and Cornish will sponsor a table with a Warrant Article petition asking our State and Federal Representatives to pass carbon-pricing with cash-back legislation. Plainfield Com would like this to be on the Warrant at their Town



Meeting but want support from those missing. You can read it on the drive and respond to Evan.

### **Municipal Aggregation/Community Choice Aggregation**

- a. Selectboard needs to appoint a committee to develop a plan.
- b. Evan has been to 2 Lebanon meetings : one with Clifton Below and John Chaffee on the Plan and a LEAC meeting. Collecting data is the first step. **EVAN** will notify us of Lebanon and Hanover meeting dates. We are encouraged to go.
- c. Webinar with Henry Herndon gave good examples of timeline. It takes 3 years to implement and requires the hiring of staff.
- d. Lebanon wants more towns to join. It was suggested that they find a way to involve Selectboards.
- e. Data collection is crucial.
- f. The PUC is discussing how to include net-metering statewide.

**Weatherize Program:** Kick-off dates: January 21,22,23. 7 to 9 pm. **STEVE** will check if Plainfield School Music Room is available.

- a. Bill obtained a list of certified contractors from Sarah Brock of Vital Communities.  
They are: Build Basic Green, Earthshare Construction, Newell & Crathern, Quality Insulation of Meredith, Vermont Foam Insulations, Yankee Thermal and ABC.  
**BILL** will contact NH Saves and contractor about the program and availability and low cost audits..
- b. **STEVE** will ask Sarah to do the presentation, also to share the spreadsheet on Drive.
- c. We will follow the 2017 time line. Contracts with contractors due in March.
- d. At our weatherize program in 2017, 40 audits and 20 contracts for both towns were completed.

**Educational Presentation.** Electricity 101. Steve will present. December 11 at Plainfield Library. Evan will check availability. **SHIDEKO** will do a poster? Participants requested to bring their electric bill and questions.

**Tuck School Intern.** Joanna has prepared a list of jobs. **JOANNA** will follow up with Shideko for name of intern to help with the Portfolio Management Program. Steve suggested Terry Crane might be available to work on Plainfield's info.

**Other:** Cornish needs to apply to New England Grassroots Fund (NEGRF) for funding. Bill is working on an Upper Valley Electric Bike Loan Program. Plainfield needs a Selectboard-worded article on raising the height of ground mounted solar panels.

**Next Meeting: December 3 at the Plainfield Philip Read Library.**

Notes from Nancy Wightman

**MINUTES December 3, 2019 Philip Read Memorial Library Time: 7 to 8:30**

**Attendees:** Evan Oxenham, Bill Cable, Dick Gendron, Jennifer Lenz, Nancy Wightman, Steve Ladd, Joanna Sharf.

**Minutes of November 5 approved**

**LES (Local Energy Solutions) Conference Report.** Joanna went and might send an email about it to us. “The future of interconnectivity is all on the cloud” and two hopeful developments: A box to install in cars for more efficiency and a coating for solar to repel water. She went to a Data Collection workshop and reported that the law for utilities to set up a dashboard is under the PUC. It probably won’t happen for a few years.

**Northeast Regional Ready for 100% Training Report.** Evan went for training. He said it was more useful for larger towns, but liked the emphasis on **Just Transition**. We should be talking to other towns and to groups in town so as to include the elderly, people of color and low income community. We will invite heads of committees to our events, etc. Reach out to more people.

**Weatherization.** Kick off will be January 22, snow date 29. Sarah Brock, VC and Gordon Tuttle, Eversource will give presentation. **STEVE** will be Master of Ceremonies and set up the music room. He will also set up the Google Drive spreadsheet. Food and cider and LEDs will be supplied by **NANCY**. Or, maybe Eversource will have some LEDa. Raffle chance of \$100 for those who commit to an audit.

We will find people to speak about their weatherize experience. Committee will act as facilitators and volunteers to help with NH Saves applications. **We need to understand the square footage of a house; does it include living space being heated or the entire house.** Liberty has no money for NH Saves. Three contractors have confirmed: Yankee Thermal, Earth Share, Quality Insulation. Audits are negotiated between client and contractor. Publicity to start next week. Flyers and banners from Sarah . **JOANNA** will update the Cornish website.

There is a Pre-Weatherize info session at Howe Library 6:30 this Thursday (5<sup>th</sup>) night. Hopefully someone will go.

**Plainfield Solar Warrant:** For a change from 15 feet to 18 feet for ground mounts. Selectboard wants it to come from the Planning Bd. Decision by Dec. 12. **Evan and Steve** will talk to Jane Stephenson.

**NH Resolution for Climate Action.** A carbon cash back fee. Want 100 signatures and to the Selectboard before petition deadline in January.

**Educational Series:** Electricity 101, December 11 at Philip Read Library. Posters up by tomorrow! Refreshments, Nancy. Intros, Joanna, Presentation, Steve. We will be there at 6:30 to set up.

**Other.** Sandwich wants to go RF100. Evan sent contacts to them.

Upper Valley Electric Bike Loan Program. "Local Motion". \$3000 in the kitty. Will soon be available for a rotation loan program.

**Next Meeting: January 7 at the Meriden Library.** Notes from Nancy Wightman