

CEC_PEC Meeting Minutes, January 9, 2018, Cornish Town Offices upstairs, 7:00 - 9:00 pm

Attending: Bill Cable, Joanna Sharf, Mary Boyle, Nancy Wightman, Ron Eberhardt

1. Minutes of Previous Meeting – didn't see a copy to approve

2. Weatherize Upper Valley

a. Weatherize Information Tables at Cornish General Store & Anne's Plainfield Country Convenience Store 10 -12 Saturday, January 13, 2018

Arrive 15 minutes early.

Bring computer and connect to Wi-Fi

Bring flyer with the warrant article. Cornish will bring their petition for the warrant article.

Bring a Weatherize 8.5 X 11 flyer with you to help discuss the campaign with interested folks; it will serve as a good visual to work from. (These flyers are meant to be placed on chairs at the Kickoff event, so we aren't giving these out until then, by the way).

"Postcards" are the 3X5 handouts that can be handed out. It has the sign-up website and the date of the Kickoff event

Banner for the table "Weatherize Your Home" handmade by *Nancy*

Talking points for RF 100

Explain to people how to figure out square footage of their home and the energy use for two years

www.NHSaves.com is the website for home energy gauge/calculator

PRIORITY: sign-up townspeople on www.vitalcommunities.org/weatherize and from there Vital Communities will put them on the People Tracker so we can be in touch with them personally

b. January

- **Weatherize campaign:** The mailing went out to both towns. Thanks!
- "Postcards" are the 3X5 itty bitty flyers that need to be replenished and left at the Cornish General Store, Meriden Deli (*Joanna*), Anne's Plainfield Country Convenience Store (*Mary*), and libraries. *Nancy Wightman* will ask *Sarah Brock* to print more for us to pick up tomorrow.
- Stephanie Schell (social services coordinator) in Plainfield has been contacted and she's excited to spread the word about weatherize upper valley
- Marie DeRoucher (social services coordinator) in Cornish – *Nancy* will check

Kick-Off event January 24, 2018 - Confirm with *Steve Ladd* about his introduction *and explaining* the connection with the RF100 Action campaign,

Need to check with *Doug Miller* first and clarify tax structure for solar installation he has with Town of Cornish. Seems there are some misunderstandings as far as Barrington Power and what is understood after inquiries by *Steve Halloran* of Plainfield. 2 Pilots (state law) was approved by Plainfield Selectboard for those solar installations that are over \$50K value for Plainfield solar installations. (Ron please make sure I have accurately described this gnarly topic.

c. February

- **Weatherize** campaign continues.
- Events and actions needed for this month? We will discuss at the next meeting.

3. RF 100

Joanna asks both Plainfield & Cornish energy committees to go to the Google Drive for the town meeting voter contact (phone calls or e-mails) regarding the warrant article spreadsheet and contacting people!

Joanna went to the UV Sierra Club and volunteers will be phoning people they know to make sure they come to vote for the warrant article at town meeting. Allyson S wants to know if we should be going door-to-door. Our answer: Cornish thinks getting our petition signed will be our way of getting out the vote. Better to have people we are sure who will vote in favor of the warrant article.

4. 2nd Tuesday of each month have open public meetings of our Plainfield_Cornish Energy Committee. We will be sure they are advertised especially as open to the public. We will alternate between Cornish & Plainfield. Next open meeting is on February 13, 2018 at Meriden Library at 7 PM. *Evan*, please arrange & confirm this!
5. Please note: Joanna's Letter to the Editor was published in VNews yesterday! Thank you!

Next Meeting – Monday, January 22 at 7:00 pm @ Nancy Wightman's, 211 Rte 120, Cornish

Cornish and Plainfield Energy Committee Meeting Minutes CEC / PEC meeting, January 22, 2018

Nancy Wightman's House, Cornish, 7:00 - 9:00 pm

Attending: Nancy Wightman, Evan Oxenham, Bill Cable, Joanna Sharf, Ron Eberhardt, Steve Ladd.

1. **Minutes of Previous Meeting** – approved
2. **Recruiting more people for PEC_CEC:** Evan will contact the Ramos-Glews.
3. **“Clean Disruption”**
LOCATION: Cornish – Thursday, February 15
 - a. 7:00 pm to 9:00 pm on Thursday February 15 in the Cafeteria of the Cornish School
 - b. Agenda & presenters –Steve & Ron
 - ◆ Discussion following film – Ron will moderate
 - ◆ Warrant Article in Plainfield & Cornish mentioned before film
 - c. Sound system? Mary & Bill. AV equipment? Joanna. Clicker/lighting
 - d. Materials/sign in sheet
 - e. Refreshments?
 - f. WattMeter raffle
4. **Town Meeting presentations on R100:** Joanna will work on a presentation. Cornish Energy Committee will meet to prepare for potential questions. Ron will present at Plainfield. Evan talked to Plainfield Planning Board. What about meeting with Conservation, Zoning, Planning Boards in each town? Steve will talk to Dick at Zoning and Myra at Conservation in Plainfield
5. **Meet one-on-one with influential people.** Updates. Phone calls to people to make sure they vote. “Can we count on your vote.” Put more effort toward this in February
6. **Weatherize Campaign**
 - a. Weatherize Launch this Wednesday January 24. Volunteers arrive at 6 PM.
 - b. Verified to-dos in call notes from last week

- c. Beth Lum will give champion talk
- 7. **School science/art project.**
 - a. Update on Cornish school project: no interest so we decided to drop this project.
- 8. **Next Meeting – Tuesday, February 13 at Meriden Library**
 - Scheduled for 2nd Tuesday of every month alternating between Meriden Library & Cornish Town Offices.
 - And the next one will be Tuesday, March 6, 7 PM at Nancy Wightman's

**Cornish and Plainfield Energy Committee Meeting Minutes
CEC / PEC meeting, February 13, 2018**

Meriden Library, Meriden

7:00 - 8:30 pm

Attending: Ally Samuell, Bill Cable, Evan Oxenham, Joanna Sharf, Nancy Wightman, Ron Eberhardt, Steve Ladd.

1. **Minutes of Previous Meeting** – approved
2. **“Clean Disruption” Cornish – Thursday, February 15**
 - a. 7:00 pm to 8:30 pm on Thursday February 15 in the Cafeteria of the Cornish School
 - b. Steve will introduce the movie, Ron will moderate the discussion
 - a. Steve will mention the Warrant Article in Plainfield & Cornish and Weatherize before the film
 - c. Sound system. Bill providing sound system, Steve will bring his computer and hte downloaded movie, Joanna will ensure that the projector and speakers are set up before the meeting. Steve and Bill will work together to ensure that they have the correct connector for the sound system.
 - d. We will put our Weatherize and 100% Renewable Energy materials on the table at the entrance, as well as a sign in sheet.
 - e. Nancy will provide refreshments.
 - f. WattMeter raffle - the WattMeter will be raffled at the meeting.
3. **Weatherize Campaign**
 - a. Weatherize table at Cornish Store and Annes Stoer on February 24.
 - b. Evan will provide questionnaire.
 - c. Steve will publicize on e-mail list, Evan on Nextdoor and Nancy in Connect Cormish
 - d. Cornish and Plainfield Senior luncheon weatherize presentation - Nancy at Cornish Town Hall (Fairgrounds) on Tuesday 27; Steve at Singing Hills in Plainfield on Thursday 22.
4. **Report from Ron on Renewable Energy Tax Break at Plainfield**
 - a. Select Board has proposed extending tax break for solar PV and other renewable energy power generation systems to \$300,000. For the large systems currently in place that means a loss of about \$9000 in tax revenue. This was presented to the finance committee and there was pushback at the committee.
5. **Revisited Call about Solar Shares and Low-income Solar PV** - This is a call with Sandra Jones. Evan to schedule.
6. **Get Out the Vote - Ready for 100**
 - a. Cornish has 100 signatures on its petition (required only 25) and two selectmen will vote for it.
 - b. In one-on-one discussions with people in Plainfield there is a lack of awareness.
 - c. Everyone needs to add contacts to the spreadsheet and update when they are contacted. Spreadsheet is at:

<https://docs.google.com/spreadsheets/d/1jakYn1MAmpPI69KcMZCjJEIa25WR-yJfsmlcFpncl-w/edit#gid=0>

- d. Think about what to do next for example:
 - i. At Town Meeting propose a deadline for the creation of a plan to implement R100 as town meeting next year.
 - ii. Suggest stakeholder meetings four times a year.
 - iii. Put sheet of talking points on each chair at town meeting (combined with Weatherize on reverse side).
 - iv. Discussed who should be primary speaker to present - for Plainfield: suggested Lee Lynd might be the best option. Evan to contact him. Others: Lee Oxenham, John Gregory-Davis, Steve Ladd, ...? Need at least 5 backup speakers.
7. **Next Meeting – Tuesday, March 6, 7 PM** at Nancy Wightman's house

CEC_PEC Meeting Minutes, March 6, 2018 7-8:30 PM

Nancy Wightman's house, Cornish.

Attending: Evan Oxenham, Steve Ladd, Allyson Samuell, Nancy Wightman, Mary Boyle, Bill Cable, Joanna Sharf.

1. **Minutes of Previous Meeting:** Minutes were approved.
2. **Clean Disruption - Cornish - February 15** Reflections: Went well, good attendance, good discussion. Hopeful. Let's do something like this again! Battery storage movie? Powerwalls? Help us find a good movie!! Definitely want a presentation on Heat Pumps again.
3. **Weatherize Campaign**
 - a. Weatherize tables at Anne's and Cornish store - February 24 – Reflections:
 - b. People Tracker: Need to get people signed up by the end of this month. Nancy will be getting the ½ sheet flyers on Friday. Forwarded the flyer to Allyson.
 - c. Steve Ladd will put another blurb in Connect Cornish.
 - d. Nancy has applauded us for our work on Weatherize. We would like to have another campaign like this in two years from now. Let's keep track of responses from people who have heard of this year's weatherize campaign.
4. **Get Out the Vote - Ready for 100**
 - a. Contact Sheet update - Plainfield has 34 to 38 committed supporters (depending on whether both people in coups will show up). Really need three times that number.
 - b. Cornish – by petition we had 100 people to sign the petition.
 - c. "I support 100% renewable energy" stickers for known supporters to wear at Town meeting? Allyson said there isn't enough time to get them printed.
 - d. Phone calls will be made to voters who want the RF 100 article to pass and to stay through the town meeting until the vote.
 - e. School meeting plans – will ask for table in Plainfield. Cornish has a table this Saturday.

- f. Town meeting plans – will ask for table in Plainfield. Cornish has a table this Saturday.
 - g. Bring flyers to Meriden Congregational Church – Evan
5. **Solar Shares and Low-income Solar PV** - call with Sandra Jones. Evan still to set this up. We can work on this and maybe include this as an educational presentation.
 6. **Next Meeting will be a celebration! – April 3 at 7PM** Nancy Wightman's house.

CEC_PEC Meeting Minutes, April 3, 2018 6-8:00 PM

Nancy Wightman's house, Cornish. A celebration for PEC_CEC for town articles

Attending: Evan Oxenham, Steve Ladd, Nancy Wightman, Mary Boyle, Bill Cable, Joanna Sharf.

1. **FIRST we had a toast! Lots of bottles of wine! Delicious dinner was shared.**
2. **Steve Ladd** suggested we hire a summer intern funded by a grant to collect data for residential homes' energy use. Maybe NHDES will offer some hours for summer intern.
3. **Joanna Sharf** thought we should hire an expert to explore good community solar sites. Town of Lempster – approach the company that installed it and scope out locations in Cornish.
4. **Need NH communities that have successfully done community solar to present to us.**
5. **We need more members on our energy committees.** Maybe we could have a wine/beer talking session to make a plan for next steps for Ready For 100% Renewable Energy in our towns.
6. **More ideas? Read the book “Draw Down”** said Evan.
7. **Next meeting. We decided that it will be first Tuesday of every month. Alternate where we will meet.**
8. Mary announced that she is stepping down as chair of Cornish Energy Committee. Joanna will think about filling this position. Mary will continue to take minutes for PEC_CEC and helping with outreach/posters.

CEC / PEC Meeting Minutes, May 1, 2018

Meriden Library, Meriden, NH, Time: 7:00 - 8:30 pm

Attendees: Evan Oxenham, Steve Ladd, Allyson Samuell, Nancy Wightman, Mary Boyle, Bill Cable, Joanna Sharf, Richard Morse

Invited: Martin Warren but didn't attend. Teaches science at Richmond Middle School.

1. **Minutes of Previous Meeting – approved.**
2. **100% Renewable Energy Next Steps:** please check the May 1st Meeting – Next Steps on Google Drive
3. **Weatherize Campaign – follow up notes. Joanna will follow up with Bill C.**
4. **Electric Bike Workshop – Saturday, June 9, 10-12, Cornish Town Hall by the Fairgrounds.** Components, Hands-on. Karl Kemnitzer, Ron Eberhardt, Rangi Keene. Mary – transaction ads, Steve – electronic communications, Evan – poster, Bill – blurb to Evan before Tuesday, Joanna – Connect Cornish.
5. **Other Events – tabled until next meeting**
 - a. Heat Pumps?
 - b.
6. **Write a grant for an IR (infrared) camera: help people to get aware of leaks.**
STEVE
7. **Next Meeting - June 5, 7 PM at Meriden Library.**

CEC / PEC Meeting Minutes, June 5, 2018

Meriden Library, Meriden, NH, Time: 7:00 - 8:30 pm

Attendees: Nancy Wightman, Mary Boyle, Bill Cable, Joanna Sharf, Richard Morse

Invited: Martin Warren but didn't attend. Teaches science at Richmond Middle School.

1. **Minutes of Previous Meeting – approved.**
2. **Electric Bike Workshop - final preparations:** Arrive by 9:30 AM, Nancy will bring raffle tickets to raffle off the bike from Martha McDaniel; Karl Kemnitzer will ride his eBike; Doug Miller will assemble one along with Bill; handouts, raffle tickets, and signup sheet will be at the front table to greet people; Richard M. will make the signup sheet.
3. **Upper Valley Energy Committees Roundtable –** Joanna mentioned that there was couple from Cornish that attended; also, business & academic professionals attended! Many opportunities to engage them in this work.
4. **Weatherize final followup –** Nancy said Maureen Walsh praised the program; Joanna a “mixed experience.” Shakes to Shingles has yet to deliver a report from her energy audit. At tomorrow’s conference call with Sarah we will get the final results. When will we have the celebratory potluck? Possibly at the Cornish Town Hall or Plainfield Town Hall?
5. **100% Renewable next steps -** any concrete actions for this summer? SolSmart update. Joann is in process of getting the energy use data compiled. Of the sectors, electric, transportation, and heating, transportation is the biggest user of fossil fuels. Next steps for Cornish is to meet with the town boards including the school board; then form a coalition that meets quarterly (selectboard first then get their opinion of meeting with the other boards; and possibly meet with the Plainfield coalition once it is formed. Meet with Hanover specifically to find out if we can meet with students to map our towns for good solar & wind sites. Meet with UVLSRPC to get help with applying for grants. Ask for guy Bill met at UVEC from NHSEA to meet with

CEC_PEC about grants. Maybe a chance to ask about RECs. Richard mentioned the schools and getting students to get turned on about “5 ideas what you can do”; challenge students to come up with bigger ideas like how we could get a solar farm. Idea from Richard is to ask NH public utilities if they could lease batteries or solar panels on a “model house” as a pilot program.

6. **Next event - September?** Energy Expo organized by Enfield at Mascoma HS, Kim Quirk. Maybe have a table there. Help to publicized as a co-sponsor?
7. **New members - timing, writeup** – didn’t specifically discuss this but we did bring this up at various times.
8. **Next meeting:** skip July then meet first Tuesday in August, 8/7/2018 at 7 PM at Meriden Library.

CEC/PEC Committee Meeting Minutes August 7, 2018

Meriden Library, Meriden, NH 7:00 - 8:30 pm

Attendees: Sarah Brock, Bill Cable, Evan Oxenham, Joanna Sharf, Mary Boyle, Nancy Wightman

1. Minutes of Previous Meeting – approved and accepted

2. Weatherize Campaign

- a. **Results:** data sheet was handed out and discussed. Cornish & Plainfield:
 - i. 5% of households responded (74 total) – highest percentage of all the Weatherize teams!
 - ii. 45 signed up for an energy audit (61% of sign-ups) -
 - iii. 24 signed contracts to weatherize their homes (53% of those who received energy audits – this is a great percentage!)
- b. **Reflection:** What went well? The signups, quotes, and projects: Cornish and Plainfield got the word out via volunteers and tables at the Anne’s Country & Convenience Store and Cornish General Store. What was hard? Not being able to answer questions by residents getting in touch with the contractor. Need some training for volunteers to help decrease the load for Sarah Brock.
- c. **Comparisons:** How did this compare to Solarize? Other past efforts. More fun with Solarize. We could approach the 24 households and ask for testimonials. Plan an event that would show people how to go through the application
- d. **Wisdom/Advice** for future groups? For Vital Communities? For yourselves?
- e. **Looking ahead:** What’s next? How can VC help? Ready for 100, purchase an IR camera (could borrow from VC when COVER isn’t using and get training from contractor to get people excited to hire a professional contractor (misinterpretation could be possible), other projects...
- f. **Planning our Weatherize Celebration for next month** – date changed to Friday, September 7 at 5:30 – 7 PM at Cornish Town Hall (Nancy will secure the reservation).
- g. Outreach: Blurb from Sarah, PlainFacts (Evan), ConnectCornish (Nancy), No Posters, Steve Ladd e-mail lists,
- h. Mary will work on nametags for volunteers and energy committee members.

3. **Educational Energy Expo for the NH side of the Upper Valley, slated for Saturday, September 29th. Kim's questions:**
 - a. Help get out the info to your town? PlainFacts, ConnectCornish, and we will put up THEIR Posters and use this for our blurbs.
 - b. Staff a table or provide info about your organization (Bill Cable)? Ready for 100 literature. Talk about Solarize and Weatherize campaign successes fact sheet from Bill Knight. Have a video of Bill Knight speaking and have it viewed on loop. (Arial Arwen)
 - c. Help with refreshments or volunteering at the event?
 - d. Will anyone be able to join for a few meetings ahead of the event? No, just tell us what to do. Bill Cable is not presenting a workshop.
4. **NH 100% Municipal Network Kick-Off Event: October (Hanover), date & time TBD; Who from Plainfield and Cornish should be invited by Allyson Samuels?**
 - a. **Ask Ron Eberhardt, Steve Halloran, Steve Ladd, and Evan Eberhardt from Plainfield; ask John Hammond, Ginny Wood, Steve Barker, Heidi Jaarsma, Joanna.**
5. **100% Renewable Energy Next Steps**
 - a. **Street Lights in Plainfield – change to LED.** Proposed changes. 25 lights at \$50/light per Liberty. May want to wait. The town pays a flat rate for the power consumed by the lights.
 - b. **Plan and establish a stakeholder committee** (coalition of community leaders who would be involved in giving input on proposals by energy committee) **to work on 100% Renewable Energy.** Need to discuss with Steve Ladd & Ron Eberhardt. We had a vote to be 100% renewable energy! Data first: gather data now, inventory fuel usage to show we are actively looking to select tangible projects to work on. PEC/CEC can take credit for energy saved by Solarize and Weatherize.
6. **Other Events – tabled this for now**
 - a. Heat Pumps?
 - b. ?
7. **Next Meeting - September 4, 2018 at 7 PM at Meriden Library.**

CEC/PEC Committee Meeting Minutes September 4, 2018

Meriden Library, Meriden, NH 7:00 - 8:30 pm

Attendees: Steve Ladd, Evan Oxenham, Joanna Sharf, Mary Boyle, Nancy Wightman, Nick Cohen (arrived toward end of meeting)

1. **Minutes of Previous Meeting – sent by Sarah via gmail (Aug 10m Subj BLURB)**
2. **Weatherize Campaign Celebration this Friday:**
 - a. Nancy has the key for Cornish Town Hall. We should arrive at 5 PM.
 - b. Sign-Up Sheet – Steve Ladd

- c. Food: Brownies & Crackers (Nancy); Seltzer & cheese (Joanna); Snickerdoodles & Napkins (Mary); Tabbouleh (Steve).
- d. Sarah Brock speaking? Joanna has sent her an e-mail to confirm
- e. Evan has agreed to emcee. The audience question is: What has your experience has been. Steve will make a pitch for new recruits to energy committee.
- f. Nametags (for committee members)

3. Educational Energy Expo for the NH side of the Upper Valley, slated for Saturday, September 29th. Kim's questions:

- a. Help get out the info to our towns.
 - i. Steve Ladd sent an intermediary "up coming events" to publicize this.
 - ii. ConnectCornish (Nancy)
 - iii. Next Door (Evan)
- b. Bill and Nancy will attend table. Need more handouts of 100% Renewable and field questions about getting on the town warrant article.

4. Climate Action Rally in Keene on Saturday, September 8

5. National Drive Electric Vehicle Event, Sunday, September 9 Need to get out the word locally: Evan (NextDoor); Connect Cornish (Nancy). *Steve sent upcoming events mailer on 8/23 and posted on website*

6. NH 100% Municipal Network Kick-Off Event: October (Hanover) Date still to be determined!

- i. Who from Plainfield & Cornish should be invited: Ask Ron Eberhardt, Steve Halloran, *Rick Morse* and Evan Oxenham from Plainfield; ask John Hammond, Ginny Wood, Steve Barker, Bill Lipfert, Joanna. Waiting on Allyson to provide date and invite those suggested by Joanna and Evan.

7. 100% Renewable Energy Next Steps

- a. **Plan and establish a stakeholder committee** (coalition of community leaders who would be involved in giving input on proposals by energy committee – church, municipal leaders, school) **to work on 100% Renewable Energy.** Energy committees do the nuts and bolts of the work, i.e. the implementation team. Expectations: Stakeholder Committee meets typically four times a year.
- b. We need a way to monitor our individual residential energy usage.
- c. We need to set up groups in each town's energy committee that will work on these plans. Try to plan one year at a time.
- d. Most projects need to be prioritized so let's take another look at the Energy Toolkit from Vital Communities.

- e. Needs to put together a common stakeholder charter to see what we are doing. (Evan). The goals. Ask the Concord Energy committee what they have done regarding their stakeholder committee. (Evan) Contact Jeff Martin in Hartford is the Energy Coordinator for Hartford. (Steve Ladd)
- f. Describe stakeholder responsibilities:
 - i. *Provide advice and ideas*
 - ii. *Consult and approve*
 - iii. *Suggest projects to EC*
 - iv. *Division of labor between stakeholders and EC*

8. No other events since we will concentrate on 100% Renewable Energy Next Steps.

9. Next Meeting – Tuesday, October 2, 2018 at 7 PM at Meriden Library.

**Cornish and Plainfield Energy Committee Agenda
CEC / PEC meeting, October 2, 2018**

Meriden Library, Meriden, NH.

Time: 7:00 - 8:30 pm

Attendees: Bill Cable, Evan Oxenham, Joanna Sharf, Mary Boyle, Nancy Wightman, Steve Ladd, Jen Lenz, Nick Cohen

- 1. Minutes of Previous Meeting - approved**
- 2. Educational Energy Expo for the NH side of the Upper Valley, Saturday, September 29th.**
 - a. Sponsor event – we sponsored it by having table. We don't have money to contribute
 - b. well attended ~100 people
 - c. Bill, Nancy, Evan and Jen attended
 - d. Liberty had a good presentation on Telsa batteries
- 3. NH 100% Municipal Network Kick-Off Event: November 2 (Hanover, Dartmouth College)**
 - a. Allyson hasn't got back to us about the list of community leaders being contacted and we haven't heard anymore details. Joanna will contact Ally and clarify all of this
 - b. Plainfield invitees - Ron Eberhardt, Steve Halleran, Evan Oxenham, Richard Morse -Steve Ladd, if Richard cant attend
 - c. Cornish invitees: John Hammond, Ginny Wood, Steve Barker, Bill Lipfert, and Joanna
- 4. 2018 Local Energy Solutions Conference - REMINDER**
 - a. NH's premiere conference for clean energy & energy efficiency! The 2018 conference features new pitch challenges, multi-track sessions led by experts on the latest technologies, projects, policies, and more, as well as a keynote address, 3-course plated luncheon, electric vehicle showcase, and special reception!
 - b. Friday, November 16, 2018 from 8:00 AM to 6:00 PM EST

- c. Grappone Conference Center
70 Constitution Avenue
Concord, NH 03301
- d. Cost is still \$35
- e. Evan and Lee are going. Joanna may go.

5. 100% Renewable Energy Next Steps

- a. Plainfield working on the following
 - i. Renewable electricity from Standard power
 - ii. Upgrading stage light in Town Hall to LEDs to decrease electric demand charges.
 - iii. Convert street lights to LEDs - waiting for more favorable rate from Liberty.
 - iv. Part of the steps would be need policy, zoning laws, and then get it on the Master Plan.
 - b. Cornish will hold a meeting to develop a plan for next steps. We plan to work on this once we meet with some of our town boards. Need policy, zoning laws and then get it on our Master Plan.
 - c. Plan: we need to see what we can do. Easy and more difficult steps. How do we get there by 2030? Maybe electrify everything? How do we persuade townspeople?
 - d. See item #6... maybe we need to look at 50K arrays that other people could buy energy from (Community Solar)
 - e. Let's do a Tool Kit exercising next month's meeting
 - f. Stakeholder committee - Evan working on charter
- 6. Business Innovation Conference:** attended by Joanna. If you're looking to converting street lights there is a lot of smart technology. Norwich Technologies said in response to 3-phase power - can put installations up to 50K on single phase power.
- ## 7. Other Business?
- 8. It's time to look into applying for another grant. Steve volunteered to do this.
 - 9. Get Facebook page. Mary & Jen will work on this. Keep Steve in the loop.
 - 10. Energy Committee mailing list backup for Steve Ladd is Jen, & Evan.
 - 11. Get a scholarship fund going to allow us to attend other statewide events
 - 12. New England Grassroots Fund has training for writing grants.
 - 13. Continue to hold educational events. Bill is interested in holding another heat pump workshop to really see how they work; another DIY event. Also, heat pump open houses. More & more companies are getting more trained in heat pump insulation. Meet an installer who can install it.
- 14. Next Meeting - November 13 (11/6 is election day) at Meriden Library 7 PM – Toolkit: How to achieve 100% Renewable Electricity by 2030 & Stakeholder Charter (Evan will look for Concord Energy Stakeholder Charter). Mary must nudge people to think of different ideas to be prepared for Google Docs. Steve Ladd will set it up.**

PEC/CEC Minutes for 11/13/18 Meeting

Attending: Bill Cable, Steve Ladd, Nancy Wightman, Jen Lenz, Bill Gallagher, Joanna Sharf, Nick Cohen, Evan Oxenham

Last meeting's minutes were approved.

Purpose of this meeting is to brainstorm on how to achieve our goal of reaching 100% renewable electricity by 2030.

Steve suggested we choose 8 items to work on.

Evan requested that we come up with a statement of guiding principles for our energy goals. E.g., consider low income people.

Important to update Master Plan to include those principles.

General topics for how to achieve 100% Renewable Electricity by 2030:

A. Breakdown of Town Components:

1. Municipal operations
2. School
3. Businesses
4. Residences

B. Energy Efficiency for town buildings and residences.

C. Tabulate energy use and RE production

1. How to calculate oil/gas use?

D. Siting for large solar installations

E. Buy green power?

F. Establish Stakeholder Committee

G. Municipal Aggregation

H. Grants – seek help from Regional Planning Commission

I. Education

J. Recruitment

K. Car chargers installed around town

Steps Toward Finding Sites for Large Solar Installations:

1. Find experts; ask several solar companies for consults
 - a. Find out how big a solar installation can be for single phase power vs. 3-phase power
 - b. How to find land for solar sites, community solar
2. Solicit landowners
3. Find out what town land is available; and what municipal buildings are good sites for solar
4. **Evan and Steve** will ask Terry Donoghue and Bill Knight for advice and help in solar siting
5. **Joanna** will talk to Kim Quirk, Catamount Solar and maybe Revision Energy for help in solar siting.
6. **Jen** will contact Revers Center for Energy (April Salas) at Tuck Business School to ask about students who can help out towns measure energy use and RE production. Joanna will get contact info to Jen.

Bill Gallagher requested that any flat open land be preserved for farmland, and not be used for solar installations, as flat land is scarce in our towns. Evan explained that we are just seeking information for potential sites, and those types of considerations can be handled by the Stakeholders Committee.

For next meeting, we should read and comment on Evan's draft of the Stakeholder Committee Charter.

Steve suggested we find grants to help with getting help to tabulate energy use and production.

We discussed holding Bill's heat pump event in January.

Next meeting will be Tuesday, Dec. 4, 7pm at the Meriden Library.

Nancy will post notice in Connect Cornish along with call for people to join us.

PEC/CEC Minutes for 12/4/18 Meeting

Attending: Bill Cable, Steve Ladd, Nancy Wightman, Jen Lenz, Joanna Sharf, Nick Cohen, Evan Oxenham, Will Brown

1. Last meeting's minutes were approved.
2. No one attended the Local Energy Solutions Conference on Nov. 16. No report.
3. Ready for 100 NH Statewide Call 11/29/18. Evan, Steve and Joanna participated. Participants who would be good information resources are Randy Bryan from Concord/Portsmouth (specializes in EV), and April Salas. April explained that Hanover their process for siting large solar installations by looking at a map of the town. Once they identified several potential sites, they then asked for help from Tuck student volunteers and a paid solar consultant (3D). April said they are not worried about the 1MW net metering cap because the town will use all the power they generate. Ally Samuell stated that the Sierra Club's 100th U.S. city to commit to 100% renewable energy is about to sign on. 4 of the 100 cities are in NH, which is a good %, and NH may have a couple more cities signing up soon, including Keene and maybe Lebanon. **Nancy** will write a LTE about the 100th city, and Steve will assist. **Evan** will ask Ally when 100th city will actually sign up.

4. 100% Renewable Energy Next Steps – Finding Sites for Large Solar Installations.

A. Towns' Energy Requirements:

Bill suggested that since each energy committee in the Upper Valley needs figure for electric usage from the utility companies, maybe Vital Communities or some other organization can designate one person to collect this info for each energy committee. Bill estimated that Cornish needs 35 acres of solar.

Evan hopes that by 2030, NH will have offshore wind.

Standard Power may not want to serve Plainfield because town doesn't use enough electricity, and it's divided between 3 utilities. It would be helpful if Plainfield and Cornish joined together if we wanted to pursue Standard Power's services.

We could also do municipal aggregation – our towns could be their own utility. Cliff Below can help with this.

Plainfield needs 25MW of solar power, according to Terry Donoghue. 2500 residents, plus KUA, businesses and municipal needs.

Plainfield has a good idea of which residents/businesses are generating solar power because they require a permit for solar installations.

Cornish could obtain that info from utilities via net metering stats.

Nancy suggested making a public chart for solar generation, on which people could fill in their solar info. Make it accessible at Town Meeting. Problem: not everyone goes to Town Meeting. Some database for tracking solar generation would be useful.

Steve suggested making this a school project – get schools involved in tracking energy use and solar generation.

B. Evan and Steve spoke to Terry Donoghue of Norwich Technologies on 11/29/18.

Terry is not optimistic that commercial solar for the town can be done. Legal issues may interfere.

We are also limited by small-ish (50MW) projects because of limited access to 3-phase power. Terry also said it's hard to know where 3-phase power is available, but several of us disagreed and said you can tell just by looking at the power lines.

Terry also recommended that we line up customers before starting any installation. We need anchor customers who will be around for long period of time – like town municipal operations.

It would be a good idea to aim for the town to be the first user and supplier of solar power.

Terry also warned about future changes to the net metering rates, but that may be less of a concern than utility interconnection charges. Gave example of \$30,000 charge for a certain job, but that may be more the anomaly than the norm.

Evan stated that we should expect net metering rates to decrease because of costs incurred to utilities for handling solar generation. But Steve said it will still be better than cost of fossil fuels.

Nancy said it would be good to have education for the public on net metering and other issues with solar, so that people can understand these concepts.

Evan said we are tackling 2 tracks – implementation and education.

Jen asked Steve Halloran about where there might be good sites on town land.

Halloran didn't know of any good ones besides the gravel pit, and there is only 1-phase power there.

Toward the end of their conversation, Terry Donoghue said that there were a number of good sites in Plainfield and Cornish that would be economical for large solar installations if the 1MW net metering cap were raised to 5MW. Terry was not willing to disclose where these sites are. This last statement seems to contradict his earlier less optimistic comments.

C. Solar for Resident-Owned Communities (ROC) – Trailer Parks.

Evan said there is a trailer park in Enfield, Mascoma Meadows, which installed a solar array for residents. Residents get payback each month on their electric bill.

Evan would like to do that for Plainfield trailer park – Spruce Park. Terry Donoghue will look into the possibility of doing that. There is a NH state program that offers some financial assistance for ROC's, but it's not a lot of money.

D. Evan and Steve did not talk to Bill Knight, but they will follow up with him.

E. Jen tried contacting April Salas at Dartmouth Tuck School, but April has been out of town. Jen will continue to try reaching her. Joanna suggested that Jen request help from April for both solar siting and measurement of energy use. It was also suggested that we ask April Salas to come talk to us about what Hanover did.

F. Joanna spoke to Kim Quirk. Kim would be glad to help Cornish or Plainfield with solar siting, but had concerns regarding payment for such services and whether that would disqualify her for bidding for projects. Kim charges \$100/hr. for consulting.

Stakeholder Committee

We discussed Evan's draft Stakeholder Committee Charter and Joanna's comments on that draft.

Question about limiting number of members to 8. Evan said it would be possible to increase number of members.

Discussion about whether committee should be appointed. Evan suggested the committee should be ad hoc like our energy committees -- volunteer members. Bill suggested that the Selectboard could appoint someone to get committee going.

Our renewable energy plan to achieve 100% RE will be a work in progress with stakeholder input.

Stakeholders would not have authority to kill an idea -- mainly just provide input. The Selectboard would be the authority to decide whether to adopt an idea or stop one.

Evan asked that we look at the draft Charter and comment on it for the next meeting.

Cornish will have to convince their Selectboard to have such a committee.

6. Heat Pump Event.

Bill explained that he wanted this to be a hands-on presentation, with homeowner and an expert installer, Nathan Moore, presenting and taking questions. Bill would bring a portable heat pump for demonstration.

Proposed dates to suggest to Nathan Moore -- Jan. 28, 29, 30 & 31. Bill will follow up with Nathan Moore.

Mary will do flyer.

Steve will send notice to energy email list.

Nancy will do Connect Cornish.

Evan will do Valley News Calendar.

7. Next Meeting Tues. Jan. 8, 7pm, Meriden Library.