

RECEIVED
FOR RECORD

DATE January 26, 2017



Town of Huntington



Huntington Energy Committee Meeting Minutes

Tuesday, December 13, 2016 @ 7:00 pm

→ Town Office (Downstairs) – Huntington Center ←

Attendance: Duncan Keir, Nayo Ogilvie, Dave Clark, & Ross Ogilvie

7:00 Call to Order & Agenda Review / Proposed Changes – 5 Minutes

- The meeting started at 7:15 PM.
- We did not have a quorum and as such did not closely adhere to the agenda rather we spent most of our time with public comment.

7:10 Public Comment – 5 Minutes

- We spent most of our time listening to, and discussing input from Duncan and Nayo
- Duncan mentioned he read the HEC charter and thought goals were appropriate.
- We discussed:
 1. Duncan mentioned he would like to see HEC more involved with weatherization and local energy & sources of heat.
 2. Duncan also mentioned Solar PV at his house and new state regulations remove many incentives for PV arrays. This led to a discussion about the previous HEC efforts to connect SunCommon with local town people interested in hosting an array on their land. Of the six or seven people offering to host, all were rejected by SunCommon. Part of the problem we discovered was limited three phase power distribution in our town.
 3. On the three phase power, Duncan mentioned he had two phase distribution from GMP with a third phantom phase transformer to virtually create three phase power at liberty head. He also mentioned three phase distribution from the Vt Elec Coop comes from Sherman Hollow Rd, Crosses Mayo Rd, and ends at his daughters house on the pond road.
 4. Ross mentioned from the solar hot water learning at BPMS, a problem with roof mounted arrays is when a roof (shingles and such) need to be replaced roof mounted arrays need to be removed and put back up in order to replace the roof shingles. If the solar panels are significantly into their useful life, the necessary removal might lead to a decision to replace the panels before the end of the arrays useful life. Ground mounted arrays, though typically more expensive don't have this premature end of life problem.
 5. Nayo mentioned new solar PV shingle technology where roof shingles are replaced with solar PV shingles. No asphalt shingles are used in this case. When this technology becomes cost effective it would remove the premature end of life problem as the singles are the PV array.

This technology might also be cheaper than a combination of asphalt shingles and a roof mounted PV array.

6. We also had a substantial discussion about car and van pool transportation for Huntington. Dave mentioned we have perused this previously he could look up the person we talked to a year or so ago to see if there are any new developments.
7. We also had a significant discussion about hydro power in town. Some hydro generation that involve dams also use their water storage as a battery for use with intermittent solar and wind generation. Duncan talked about the Huntington River and Gillett Pond. Ross said if he could get some water flow rates he would calculate how much power might be generated and the possible cash flow the power could return.
8. We also had a discussion about pluggable hybrids and electric cars. Nayo mentioned several electric only ranges of vehicles from 11 to over 200 miles.

7:05 Approval of Last Meeting Minutes - 5 Minutes

- Without a quorum did not approve any meeting minutes

7:15 HEC Membership update– 10 min

- *Congratulations to Natalia Czar our latest HEC Member*
- *Next steps in the outreach for new membership*
- No discussion

7:25 Huntington Planning Commission, CCRPC meeting and what is at stake with the town plan – 10 min

- *Update on the HEC involvement with town planners*
- Ross summarized the CCRPC information session where act 174 was explained.
 - The state has a comprehensive energy plan to reduce greenhouse gasses and get to 90% renewables by 2050 and to reduce total energy consumption by 15% by 2025 and 1/3 by 2050.
 - The state wants towns to support this goal in their town plans. Towns that meet energy standards developed by the DPS will receive a determination of compliance (DOEC)
 - Towns that receive DOEC will receive “Substantial Deference” instead of just “Due Consideration” when a renewable project in a town is being considered by the PSB or the courts.
 - “Substantial Deference” allows the town plan to effect the outcome of a renewable project.

7:35 BPMS update from Ross – 10 min

- *GSHP system progress, and well temperature over time.*
- *Solar power generation and net metering options to get BPMS to net zero*
 - Ross mentioned Solar PV and what the size of a PV array might be at BPMS to get the school to net zero

7:45 Carbon Forum, continuing discussion and thoughts - 15 min

- *New thoughts on the Forum?*
- *Any new thoughts for speakers?*
 - Ross mentioned a suggestion from Darlene Palola, Jesse McDougall at Studio Hill Farm practices carbon sequestration on his farm in Vermont. He might be a potential presenter for our forum.

8:00 Current HEC meeting time conflicts with the school board meeting and some have suggested picking another time - 5 min

- *Should we pick another time? If so when?*
 - *The group decided on the second Thursday of each month at 7:00PM.*
 - *Ross will check to see if this time works for Natalia and if the town office is available.*

8:05 Our State Representatives, towns people, and Larry Montague meeting on climate change follow up - 15 min

- *Summary of the meeting*
- *What can we do to further the cause?*
 - *No new discussion*

8:20 Other/New Business – 5 Minutes

- *No new discussion*

8:25 Wrap-up – 5 Minutes

8:30 Adjourn