

10/3/23

- In attendance: Matthias Dean Carpentier, Matt Davis, Ti Crossman, Jack Lannamann (remote), Steve Holmgren, Emily Friedrichs
- Absent: (Todd Selig) Wayne Burton, Mike Lehrman, Mike Klein, Nat Balch
- Energy Checklist improvements: Matthias met with Audrey & Todd
  - Matthias, Ti, and Matt (if no one else interested) will work on this – max 4 so as not to establish quorum
  - will send an email to invite others to help draft this and to work on future zoning recs
  - can also start a memo on this to share with the Committee once ready
  - For building/zoning ordinance improvements, we discussed requiring a yellow Calvin scale for outdoor lighting to protect fireflies, insects and tends to be less energy intensive; motion sensors for outdoor lighting; parking minimums & EV charger minimums; further reducing candles/lumens at property edges? Jack asked about support for the Dark Sky movement and requiring downward facing outdoor lighting—town already requires this for multi-unit/commercial
  - as a Committee can work on getting buy-in thru the Checklist before bringing forward Building Code or Zoning Ordinance changes
- DPW won electric garbage truck grant: no vehicle to grid charging available yet (ex: Ford Lighting is a backup generator at 9kw/hr vs its charging capacity at 40/50 kw/hr)
- From Matthias: in the building code, would Durham want to pursue home energy monitors: these are plug-and-play, cost \$400-\$600, don't have to be installed by an electrician, tell you how much your oven vs TV etc used in a month, works by magnetic circles around the main inside the electric panel; ones that plug into your outlet are not reliable or recommended; can work around liability issues here if a volunteer instructs the homeowner on how to do this; with an e-gauge you can set up data collection via internet
  - What kind of incentives can we offer as a Town? Portsmouth offers residents a city rebate to install water-efficient toilets
- Wastewater treatment plant data for [CHP \(CoGen\) analysis](#) found combined heat & power (using natural gas) would not be beneficial; after Jan 1st will examine other onsite energy opportunities, i.e. solar (Matt)
- UNH Sustainability Fellow: Emily asked for Greenhouse Gas measurements for 2-stroke motors to be added, also attended STROKE training today offered by US DoE but didn't find it useful as it's less precise than what our fellow did
- Community solar—From Matthias: decided not to pursue grant b/c Durham didn't have Letters of Support ready yet and didn't have the site picked; no one has started this yet but Matthias & Emily still interested in Community Solar training
  - PPA buyout update: Matthias is working w/ Joe Friedman and Todd to analyze this—the Town would need to negotiate a maintenance plan with Revision, still waiting for the proforma from the owner, Town would always make more \$ by owning but the question is how much vs the cost of a maintenance plan
- Town's EV chargers: Jack: more than tripled energy delivery since last year; Emily: Lebanon has same population as Durham and 18 public EV chargers plus has passed ordinance requiring new parking spots include EV chargers—how did they fund these?; Jack found no good grant opportunities through NH DoE, which Jack and Steve Peshi from UNH have been trying for more than 1 yr; Emily attended DoT public hearing in Durham last week and was encouraged when the DoT rep was very interested to hear 5% EV adoption expected in Durham by this spring and asked everyone to please remember to provide feedback via DoT survey on state funding priorities;

- CPCNH updates from Steve:
  - Public meeting in Newmarket on Nov 4th if folks want to learn more, also materials on Durham Energy website and at CPCNH website, Steve can also email out more for self-education
  - Working group: TC members, Steve & Todd would need to put in motion by Nov to meet the CPCNH timeline
  - Will have as an agenda item at our next meeting to make a decision to either recommend CPCNH or not to the TC
- Emily: This week is [NH Week W/out Driving](#) which is a challenge for public officials and the wider public to understand what it is like for 1 in 3 Americans who cannot drive; NH DoT state budget increased 400% for transit this year but NH remains one of the most poorly funded in the country
- 2024 Goals
  - Ti: Would like to limit these to 3 to be successful
  - 1=CPCNH
  - 2=PPA buyout
  - Other current projects we're doing: Update website, Buildings UP
  - Emily proposed an active mobility challenge in combination with Parks & Rec to work on reducing GHG in the transportation sector

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