

## GEC Agenda for May 2nd, 2019

### Attendees:

Peter Watkinson, Sue Klem, Ed Lang, Jim Hutchinson, Jonathan Soo, Ed Kern, CJ Volpone (Scribe)

### 1.) Review and approve minutes from April 4th, 2019. Thanks Ann! CJ - Can you take minutes?

- Approved
- Motion Jim H, 2nd CJV, Passed Unanimously

### 2.) Next Meetings

- June Meeting: Thursday, June 6th
- July Meeting: TBD depending on availability and need, agenda item for June 6th meeting.
- August Meeting: Cancelled for all and sundry vacations.

### 3.) Goals Review

- Net Zero School - Ed Lang
  - Latest Forecast (April) - EUI 23.38 and Annual Electricity Requirement 1,130,886 kwh (20% contingency 1,357,063 kwh)
  - Data Collection - Ed Kern interested in data collection efforts in new school building (Data collection from Ed on Hartwell Pod A)
  - Solar PPA - Ed Kern/Jim H/Peter involved in finalizing, sizing, etc.
  - Questions on Validating Energy Model Assumptions
    - High percentage of the model noted as “in progress”.
      - Design of system is not settled (It is not clear what options for the systems will be selected for the design: outdoor splits of heating and cooling in question, for instance).
      - EUI 23 on the table, solar, behind the meter and adequate control.
      - 20% Contingency, should be exceeded by PPA sizing; EUI should not be affected even if it deteriorates.
      - Possible large increase in energy use (>50% off estimates??? 20% margin is budgeted - Plug loads uncontrollable) - Ed Lang.
      - Model was validated, closely matched with separate analysis by LGEC members (EUI of 24)
      - HVAC is critical component - kids must be comfortable or project will be assumed failure. (Heating Options are key...)
      - **Bottom Line - we are on track to be net zero school. The big pieces are in place for energy efficiency - Our job is to stay on top of the details of the project....**
- Communications and Outreach

- Outreach to school (teachers) on getting onboard with reducing plug loads and energy use. (John H comment - education might be early at this point... )
- Are public displays of data on building efficiency in the plan?
  - Good opportunity to educate and promote sustainability.
  - Nice chance to tie into curriculum (Science behind energy use, math behind calculations, etc etc.
  - Comparison competition possibilities (Programs that tie regional competition to be sustainable; can't recall if this was discussed, but have seen programs/platforms that enable such community awareness)
- **Community Choice Aggregation – CJ**
  - Update on next steps to develop a program with Peregrine for Lincoln
    - Discussion from last meeting has determined LGEC's desire to go for 100% default option
    - Dependent on comparable or near comparable rates on 100% default with Eversource Basic Rate
    - Will need buy-ins from Selects and possible communications outreach to community to vet
    - Note: "Opt Down or Out" would be part of any plan we implement.
  - Next contact with Peregrine before June meeting - CJV
    - Check on status of DPU, current run rate to get live.
    - Talk over next steps given above plan proposal
    - Communications options they'd recommend.
  - Not Discussed by of interest given other discussion points
    - Rider to pay for Sustainability Manager for Lincoln or in conjunction with other communities
    - This is an option in the plans we submitted to DOER and DPU
- **Residential - Sue(Belinda/Ann)**
  - EV Campaign Launch - Peter
    - FPL May 19th Test Drive (FPL will handle Publicity)
    - 1st hour for parish members
    - 2hrs after for non-parish members
    - Confirmed that discounts from dealers available at the test drive event. Question: Are discounts available for non-parish members
    - GECA will be handling advertising.
  - Condominiums/Apartments Energy Assessments and Other Developments
  - May 7th Planning Board about higher density residential around train station
    - Leverage public transport with more residences in walking distance to station
    - Public Works garage/facility is a stumbling block given the cost to relocate.
    - Brief mentions of getting rid of old diesel locomotives on mbta, DC current options and buried lines for powering electric engines. (Urban Systems/Transportation - Roy/Jonathan/Peter)

- **Solar PV Development Projects - Ed and Peter**
  - CCF PV Project
    - Planned 60kw project
    - Codman reproofing complete
    - PV project expected to be done in June
  - FPL PV approval -
    - 20kw project
    - No structural roof improvements required
    - HDC Approval is the next step
  - RLF(Mall)
    - 250kw Project
    - PB approval complete
    - Planned August start date
  
- **Charging stations -**
  - Roy is too busy at present, may need LGEC member to take the lead.
  
- **Code Council**
  - ED L is a member of the code council!!
  - We need 3 more LGEC members to sign up by 9/23.
  
- **Transfer Station will host a “Black Earth Composting” center**
  - Food scraps – including meat.
  - Certain types of papers and cardboard
  - See website for list of compostable materials
  
- **General Goals Strategy Discussion**
  - Discussion - Should the Committee think about broader/deeper campaigns instead of peppering the town with programs. - Peter W
  - Option: Focus on biggest carbon reductions instead of diluting the efforts.
    - Transport, Grid, Heating, Food Production are biggest offenders
    - Other efforts such as home maint equipment are minor contributors to carbon footprints.
    - Biggest offenders are longest term, largest cost replacements for residents.
  - Option: Still focus on the bigger items but tie in to broad umbrella campaigns
  - Option: More campaigns the better
  - Other available outlets, initiatives for consideration
    - Concord Climate Action News Letter
    - Mother’s Out Front - House tours for efficiency. Mass Climate Action Group - "Net Zero Plan" [Massachusettsclimateaction.org](https://Massachusettsclimateaction.org)
  
- **Communications - Sue(Belinda/Peter)**
  - Future Discussion on Communications Plan -  
Type/Frequency/Website/Campaigns

- More Formal communications with the town!!
  - Communication should be managed under committee's auspices
  - FAQ authored, vetted and regularly pushed out through town channels (Squirrel, LT, etc). Need a plan????
- **GEC Focus/Masterplan/Data - Ann/Ed/Peter**
  - Evolve Key Data Driven Focus to be carbon neutral in Lincoln by 2030
  - Peregrine/Next Steps-Quote regarding CO2e Emissions RPT - Ed Kern
  - Strategy/Town Initiatives - Jim/Jennifer
  - Note: Alex is doing communications meeting - take Aquarium template for communications around climate (Two members from LGEC, two from church, meeting - June 15th)

#### 4.) **Thank you Belinda and Bryn for 2018!**

- Mother's out front doing DrawDown event in the fall (Based on book by Hawken) - communications around climate, simpler message...
  - Movie and ted talk with Paul H
  - Panel of environmentalists
  - Evening event
  - LGEC co-sponsor? Passed unanimously

#### 5.) **Additional Activity** (Not Covered due to time constraints, unless otherwise noted)

EVP/Drawdown/St. Anne's MTG on June 15th - Alex  
 Electric Code Revision (IECC) Team Selection for September 23rd - Ed L(Paul)  
 John's Files  
 Green Communities Grants 2020  
 Climate/Faith - UU Climate Justice Collaborative  
 Equipment Replacement Cycles to Electrify Lincoln  
 Divestment  
 Net Zero Residences - Heating  
 Fragmented Climate Movement