

## Starksboro Energy Committee

March 5, 2018

1. Attendees
  - a. Pete Antos-Ketcham
  - b. Jeff Dunham
  - c. Chris Marion
  - d. Richard Faesy
  - e. Megan Nedzinski
2. Agenda
  - a. Elect Chair
  - b. Vermont Electric Coop presentation
  - c. Robinson School Follow Up
  - d. School initiatives
  - e. Solar financing for non-profits
  - f. Mt. Abe Energy Committee
  - g. Mt. Abe Energy Resolution
  - h. Project List
  - i. Wood bank
3. Chair
  - a. Peter and Richard agreed to co-chair
    - i. Jeff moved, Megan seconded
    - ii. Approved
4. Robinson School
  - a. Efficiency Vermont agreed to cover some of the cost of an audit
  - b. Alden committed to doing audits on all schools
  - c. Electric demand opportunities
    - i. Would heat pumps drive demand charges?
    - ii. Kitchen load shedding options
    - iii. Controls: do they control electricity or just space heating?
    - iv. Look at exhaust loads
  - d. Priority should be to do audit, then prioritize goals
  - e. Monitor end-uses with meter such as eGauge
  - f. Auditor pursuits
    - i. Tom Perry
      1. Jeff talked to him about it and will follow up and set up time to walk through with Tom, Pete and Andy
      2. Jeff will get proposal from Tom
      3. Figure out when to best approach Alden to request funding
    - ii. Efficiency Vermont may pay for half the audit
      1. Ask about eGauge support
      2. Megan will follow up with Sheryl Graves re. eGauge and audit cost-share
    - iii. Building Energy may be another option as an auditor

- iv. Electric bills
      - 1. Jeff has bills up through fall
      - 2. Celine Coon could sign consent form if we need more
    - v. Jeff will do a walkthrough with Andy Young to get a sense of what's there and how the panels are set up
      - 1. Pete will join Jeff on walkthrough
      - 2. Invite Tom Perry as well
  - g. Survey opportunity
    - i. Engage students and teachers in figuring out what's there for saving opportunities
    - ii. Focus on what's on when not used
    - iii. CVU had good success doing inventory and shutting off appliances, computers, lights
  - h. Engaging students
    - i. Benchmark buildings, goal set, set up plan, implement, engage students, communicate, team-building
    - ii. We could support, but should be student-driven
    - iii. Megan will ask Andy Shapiro if VEED has any resources available to help support
    - iv. Jeff will ask Frank Spina if he might help within the school
    - v. These efforts can ripple out throughout into the community
5. Mt. Abe Group
- a. Jeff will forward information to Pete to get on the distribution email list
6. Lisa Morris, Vermont Electric Coop
- a. Paketized Energy product
    - i. Paul Heinz, UVM startup
    - ii. The Mellow is unit they are using
    - iii. Sits on top of an electric water heater
    - iv. Storage water heaters only
    - v. 30 minutes to install
    - vi. Creates "packets" of 5 minutes of electric use
    - vii. Options for control by VEC
      - 1. Hot water heaters
      - 2. Electric vehicles
      - 3. Cold Climate heat pumps
    - viii. Funded by DOE grant
  - b. Looking to test options
  - c. Starksboro is one of the areas participating
    - i. Hinesburg, Huntington, St. George, Richmond
  - d. Looking for 150-300 participants
  - e. \$50 bill credit and raffles
    - i. Two \$25 bill credits
  - f. VEC will be controlling via Wifi centrally
  - g. Peak management tool
  - h. Won't impact the experience in the house

- i. Questions about renewable load controllability and use with heat pump water heaters
  - j. VEC is piloting to learn how these work
  - k. Tier 3
    - i. How do we transition off fossil fuels to electric and advance wood heating?
    - ii. No utility is doing Tier 2 local renewable credits to meet Tier 3 goals
    - iii. Incentives:
      - 1. Plug-in hybrid vehicles
      - 2. Electric Vehicles
      - 3. Pellet stoves
      - 4. Cold climate heat pumps
      - 5. Heat pump water heaters
      - 6. Charging stations for municipalities (\$500 incentive)
    - iv. Richard to publicize
      - 1. Include handout in the Gazette
      - 2. Put in Front Porch Forum
      - 3. Include VEC and GMP info
  - l. Energy Storage
    - i. Looking at a program similar to GMP's for Tesla
    - ii. Like Aqueon Batteries, but recently filed for Chapter 11, bought by foreign firm
  - m. Include info from GMP as well
    - i. Chris will get comparable from GMP
  - n. RF work with Cheryl to put in the next Gazette from both GMP and VEC
    - i. Put Packetized announcement in for April
    - ii. Put Tier 3 information in for May edition
7. Gazette
- a. Energy Corner
    - i. Richard set up with Cheryl
8. Next meeting
- a. Monday April 2