

Location: Virtual (via Zoom)

Participants:

- **Members Present:** Debbie Bentley (chair), Eric Balles, Joeth Barlas, Dave Boettcher, Christina Christodoulopoulos, Glenn Reed, Launa Zimmaro, Bob Zogg
- **Members Absent:** Dan Cook
- **Non-Members Present:** Susan Lavigne Thomas (Sustainability Coordinator), Barney Arnold

Non-Members Absent: Kath Hardcastle

Summary of Action Items:

<i>Description</i>	<i>Responsible</i>
Determine how to proceed (with non-binding Memo of Understanding, MoU) for HomeWorks Energy, (HWE), who is home performance contractor for Mass Save energy audit; we need to consult with Ryan MacLane & town counsel.	Bob Zogg Dave Boettcher
Describe revised opt-in stretch code for March 15 Select Board Meeting	Debbie Bentley Jon Metevier
Follow-up assessment of MassEnergize for Carlisle; talk with other towns who are using them: Acton, Wayland, Lexington, Lincoln for example.	Dave Boettcher Glenn Reed Dan Cook
Follow up on new Mass Energy building codes.	Glenn Reed
Coordinator to take part in presentations	Susan Thomas
Write letter to Select Board requesting staff support for FY 2023	Everyone
Circulate final draft of ESC 2022 summary for Town Report before submitting	Joeth Barlas
Schedule special meeting for RTSD planning	Christina Christodoulopoulos

1. Call meeting to order and public input

- a. Debbie called meeting to order at 4:35 pm
- b. Public Input: None.

2. Presentation by Stephen Shinopoulos, HomeWorks Energy (HWE) (contact:

stephen.shinopoulos@homeworksenergy.com) (Graphics attached at end of minutes).

- a. Introduced by ESC member Dave Boettcher, who has collaborated successfully with this Mass Save-affiliated, home performance contractor.
- b. Overview/Background: HWE founded 2012; now 6 regional offices across state; 500 employees in MA, including support staff such as call centers, consultants, and HVAC managers. Local office for Carlisle is in Woburn. Currently have 20 community partners in Eastern MA; working on single-to-four-family private residences. Commercial customers referred to appropriate resource. Have done >31K energy assessments, ~12K weatherization consults; ~1200 HVAC installs.

- c. Goal to make homes more comfortable and save money in the long run. Do energy assessment, weatherization with rebates and incentives. HVAC: mini-splits and heat pumps; heat-pump water heaters, air seal. Have already done 75 weatherization, 35 energy assessments in Carlisle.
- d. Quick summary: 1) Energy assessment: combustion safety; CO test. basements, rim joists, wall bays, blown-in insulation; Rigid poly-iso foam board, stair cover for attic steps. 75-100 % rebates. 2) Weatherization: Instant savings – faucet aerators, shower heads, programmable thermostats installed during assessment. Health and safety – mold, old wiring, etc. 3) HVAC – ductless mini-split; more efficient than ducted.
- e. Offer free outreach activities: 1) Start with letter of intro; to be signed by Select Board, but not contractually binding. 2) Co-design landing page on Carlisle website to schedule consultations, include whatever Town goals we specify.
- f. Q&A:
 - i. Launa – Looking for Mass state data so we can develop Carlisle assessment goals. Can we find out how other towns have done it? Dave said his company, Abode, has been starting to collect such data, and he believes it is worthwhile. He offered to check and see where they stand. Noted utilities tend to be closed-mouth.
 - ii. Launa also asked about female employees (A: many on board) and outreach to tech schools (A: have not tried, but no current staffing issues).
 - iii. Bob wanted to know if the current data are goals or actual installs. Answer: Data presented were goals.
 - iv. Christina: Do their analysts have experience with Deck and mid-century architecture? They are building their capability in this area; Debbie pointed out that 10% of Carlisle housing stock is in this category.
 - v. Bob asked about the agreement. Stephen indicated that they use a non-binding MOU.
 - vi. Christina likes the marketing assistance, which is a no-cost service.
 - vii. Lead time for assessments: a couple of members had heard of lead times as long as 6 months. Stephen thought the HWE norm is about 2-3 weeks, although some of the 14 Mass Save partners may have longer backlogs. HWE has a new trainee class starting in March. Dave had caveat: Basic Mass Save process has some issues; HWE has best record of buildout.
 - viii. Barney: Can we launch an assessment challenge at RTSD? Answer: When we agree on MOU, can start w. letter to homeowner and begin to make appointments. Would expect to hold webinars, in-person meetings, and HWE is open to considering a different outreach path (2-3 events/year). HWE would host a table at RTSD after MOU is initialed.
- g. Discussion (After Stephen left Meeting):
 - i. Bob: For HVAC work, we need to make clear homeowners can choose any contractor they wish. Contract would be between homeowners and contractor they choose.
 - ii. Dave: HWE uses Gree (ductless) heat pumps now, but he's recommended they switch brands

- iii. Barney: Town Counsel needs to review MOU and any letters.
- iv. Dave: Has copy of MOU

3. Submit opt-in stretch code for Town Meeting

- a. Debbie is currently working on the revised Opt-in stretch code, and she and Glenn will present the suggested article at the March 14th Select Board (SB) meeting.
- b. Barney: Asked Debbie to connect with Jon Metivier. Also mentioned the SB has until the end of March to place the article in the Town Meeting Warrant. Town Meeting is Monday, May 8th at 7 PM.
- c. Glenn knows Ian Finlayson at the MA DOER and can follow up with any clarifications we need
- d. Dave: ICF may have a slide deck that helps explain the stretch code options
- e. Susan to contact Green Communities to arrange for a presenter explaining the stretch code for Town Meeting.

4. Electric vehicles and transportation

- a. Eric learned that required safe passage for a cyclist or pedestrian is 4 feet; he is looking into possibilities of additional street signage.
- b. Still working on procurement of pursuit-rated hybrids; full EVs still apparently don't meet specs.
- c. Bob reported that he is not aware of any data on private EVs yet. MAPC did a vehicle survey in 2014 that we used for estimating 2017 vehicle emissions for Carlisle (in the Path to Zero Report). At the time, we assumed very few EV's in Carlisle.

5. EV Charging stations

- a. Glenn: This is currently a lower priority than several other tasks. Our rates at the charging stations are considerably higher than typical rates. Will send draft message to Ryan MacLane and finalize before info-gathering, then recommend next steps.

6. Dog Park landscaping

- a. During a conversation with Holly Mansfield of the Rec Department, Christina suggested the new dog park, scheduled to begin construction this summer, should consider using native plants for sustainability. Noting that landscaping is addressed at the end of a project, Debbie suggested this topic be deferred until after RTSD. Barney suggested instructions be as sustainable as possible, with clear maintenance guidelines.

7. Reading list for climate change

- a. Amy Caggiano of Gleason Library contacted the committee looking for suggested books for a new reading list they are now compiling. Several members are contributing titles to the list and subsequent Facebook posts. Joeth suggested we consider including childrens' books.

8. DOER, Green Communities

- a. Susan continues to communicate with staff looking for grant opportunities.

9. COAHS presentation for February 28; Land meeting on March 10

- a. Susan reported only 5 sign-ups; Debbie suggested promoting on CITW.
- b. Town Hall all-chairs land meeting on March 10 to discuss Master Plan – review and update.

10. Circulate final draft of ESC 2022 summary report for review before submitting to Town Hall

- a. Joeth will add Christina's changes to items 1 and 2 of the summary report, then resubmit for committee review and vote.

11. Route to Sustainability Day Planning

- a. Christina: Banner will cost \$433. Needs clarification on grant payment process thru Town Hall.
- b. Need treasurer to track expenses and payments.
- c. Need vote on having plant-based food demos using induction cooktops.
- d. Need to discuss volunteers. Joeth requested volunteer photographers (and video). Will write squib requesting that for CITW.
- e. Debbie suggested we need a milestone list; should schedule a special RTSD one-hour meeting soon, with another special RTSD meeting shortly before event to check status. Christina will do a poll to find a date for the first meeting.

12. Vote to accept minutes for February 9, 2023. Moved by Glenn Reed; seconded Eric Ballas. Passed unanimously.

13. Motion to Adjourn: Moved by Glenn Reed; seconded by Bob Zogg at 6:21 PM. Passed unanimously.

Minutes:

- Minutes prepared and submitted by Joeth Barlas
- Minutes approved by the ESC on March 9, 2023



HomeWorks Energy

Energy Efficiency Simplified

HomeWorks Energy

Our Roots

- Founded in 2012, six regional offices across MA, with more than 500 employees
- Now largest Mass Save partner and home performance contractor in the state
- In 2022, performed more than:
 - 31,500 home energy assessments
 - 11,800 weatherization jobs
 - 1,200 HVAC installs



HomeWorks Energy

What We Do

- Several programs under the Mass Save umbrella:
 - Home (1-4 family properties)
 - Serve National Grid, Eversource, and Cape Light Customers
 - Multi-Family (5+ unit properties)
 - Business



HomeWorks Energy

What We Do

Home Energy Assessment	Weatherization	HVAC
		

HomeWorks Energy

Combustion Safety



HomeWorks Energy

Weatherization



HomeWorks Energy

Air Sealing



HomeWorks Energy

Instant Savings Measures



HomeWorks Energy

Health and Safety



- Popular technology used for cooling and heating
- Alternative to ducted systems and window A/C
- Flexibility - Can be installed in specific rooms, or to cover entire home

HomeWorks Energy

Ductless Mini Splits and Heat Pumps



- Popular technology used for cooling and heating
- Alternative to ducted systems and window A/C
- Flexibility - Can be installed in specific rooms, or to cover entire home

HomeWorks Energy

Our Outreach

- 78 HEAs and 35 weatherization
- Landing page
- Community Outreach
 - Brand ambassadors
- Direct Mail
- Digital
- Referrals
- Partnerships
 - Municipal / community groups
 - Home services
 - Like minded nonprofits



HomeWorks Energy

Our Valued Partners



HomeWorks Energy

