

Location: Virtual (via Zoom)

Participants:

- **Members Present:** Debbie Bentley (chair), Joeth Barlas, Launa Zimmaro, Bob Zogg, Glenn Reed, Dan Cook (joined at 5:05 PM)
- **Members Absent:** Eric Balles, Christina Christodoupoulos,
- **Non-Members Present:** Susan Lavigne Thomas (Sustainability Coordinator), Alan Lewis, Dave Boettcher, (joined @ 5:00 PM), Kath Hardcastle

Non-Members Absent: Barney Arnold

Summary of Action Items:

<i>Description</i>	<i>Resp.</i>
Discuss adding Specialized Opt In Stretch Code to warrant with Ryan McLane & Jon Metivier	Glenn Reed/Debbie Bentley
Determine official deadline for citizen petitions for warrant submissions	Susan Thomas
Energy issues coverage for RTSD: <ul style="list-style-type: none"> i. Weatherization/Mass Save ii. Heat Pumps/Photovoltaics iii. Embodied Carbon 	Dave Boettcher Bob Zogg Debbie Bentley
Town survey to develop Solar Map display for RTSD	Dave Boettcher
Connect with Cocanaur's re Old Home Day logistics	Christina Christodoupoulos
Resume discussion of charging station fee concerns	Glenn Reed
Determine Home Performance Contractor; invite to present at ESC committee meeting	Dave Boettcher
Continue assessment of Mass Energize for Carlisle; talk with involved towns <ul style="list-style-type: none"> • Acton • Wayland • Lexington 	Dave Boettcher Glenn Reed Dan Cook
Write ESC piece for Town Report	Launa Zimmaro/Joeth Barlas
Sustainability Director contribution to Town Report needs to be checked	Susan Thomas

Chair Debbie Bentley used visual aids to guide meeting facilitation (see attached).

1. Call to Order and Public Input

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

2. Updates from Committee Members

- a. RTSD funding approved by Select Board Jan. 31, 2023.

- b. Opt In Specialized Stretch Code presentation is being discussed but no date at this time to discuss.
 - i. Barney suggested conversation with Ryan on whether to move forward with Specialized Stretch Code on warrant.
 - ii. Susan Thomas will find out definitively. Official deadline for this Select Board/warrant decision 2/28/23.
 - iii. Glenn Reed suggested, as personal view, that the Opt In Specialized Stretch Code is “probably one of the most important things we could push forward now.”
 - iv. Barney: we need to get Julie Mercier and John Metvier on board with the Opt In.
 - v. Barney’s questions: How much lead time would builders have if Opt In adopted?
 - vi. Glenn said that it is a change but it is a “necessary change” and that many developers are already building “electric”.
 - vii. Barney invited Glenn to discuss this issue with Jon Metvier and Ryan McLane.
 - viii. Debbie indicated code wouldn’t take effect until 2024.
 - ix. Barney suggested that the Opt In Stretch Code could be raised at fall meeting.
 - x. Bob Zogg agreed with Glenn that this is an important item to move forward. Bob also thought that we had a placeholder in the warrant for this item that ensured the Select Board would consider it.
 - xi. Barney: The decision to put this item on the warrant rests with the Select Board.
 - xii. Barney said she is not sure if there is a place holder already in the draft warrant, but that it hasn’t been discussed by Select Board.
 - xiii. Susan asked about the deadline for citizen’s petitions. Barney did not know the date. Can be found on the website.
 - xiv. Debbie and Jon Metvier have been interviewed by the Mosquito re Opt In Code
 - xv. Glenn: The ESC needs a working group on the opt-in stretch code
- c. Susan Thomas update re Green Communities: GC Director for Carlisle’s area is leaving GC; now handled by the Assistant Director. Susan has to respond to questions on the reports recently submitted and that she will submit corrections tomorrow. She has also been talking with a possible vendor (Guardian) re the grant round to better take advantage of funds available: Carlisle eligible for \$200K.
 - i. Bob asked if new grant application will be submitted. Sue confirmed that we will apply this year.
 - ii. Bob suggested involving the MFC in reviewing potential projects, and to consider contractors in addition to Guardian.
 - iii. Dan indicated that Onovis Energy is another contractor we might consider.
- d. Glenn is picking up the lead on charging station fees discussion; meeting scheduled. Eric is assisting.
- e. LexCan presenting Zero Waste Discussion with Congresswoman Katherine Clark:
<https://lexobserver.org/2023/02/09/community-announcement-congresswoman-katherine-clark-to-speak-at-forum-on-waste-reduction/>

- f. Rep Cataldo met with Select Board at last meeting; Debbie Bentley invited him to RTSD.

3. Mass Energize Discussion (ME)

- a. Dave Boettcher suggested that we discuss value added by Mass Energize with other communities using them currently. He raised concern that there could be two competing websites if we also sign onto Mass Energize. Suggested that working with a Mass Save Home Performance Contractor cohort might drive action further, faster.
 - i. Dan Cook agreed with Dave's concerns. Agreed we should talk with towns using them.
 - ii. Debbie thinks we may be better off visiting this later, perhaps after RTSD. We also need to collect data. We have a new website to promote RTSD.
 - iii. Dan suggested value in monthly meetings supported by Mass Energize.
 - iv. Dave Boettcher offered to connect informally with Acton folks re their experience. Glenn will reach out to Wayland and Dan Cook will reach out Lexington.

4. Route to Sustainability Day Planning

- a. Debbie: We need a budget committee. Christina needs help.
- b. Need to vote on purchases such as town banner. Debbie suggested that we just vote on spending the funds so that all of us don't have to vote separately on each purchase.
 - i. Barney: Are you looking for someone to do a budget report? Debbie confirmed,
 - ii. Barney suggested that Christina just submit the budget she provided for Select Board ARPA vote to ESC for approval, with proviso that items have a spending cap for each item.
 - iii. **VOTE on banner layout, with permission for minor edits if needed, and cost not to exceed \$600:** Motion by Launa Zimmaro; Dan Cook seconded. Approved unanimously.
 - iv. **Note for Christina Christodouopoulos:** *Dave Boettcher suggested removing the year on the banner since ED is always April 22nd. Easier to add date each year.*
- c. **VOTE** on having food demos using induction cooktops.
 - i. Question: should we hire someone or have local residents do the food demos?
 - ii. Debbie proposed that we see if we can recruit residents to do the demos before making a final decision.
 - iii. **Bob Zogg: Motion that we approve Christina's ability to make purchase decisions up to \$600 without a vote.** Seconded by Joeth Barlas. Approved unanimously.
 - iv. Glenn suggested we keep a running list of requests from the town (e.g., CITW)
- d. Energy Issues for RTSD will be pursued by Glenn Reed, Bob Zogg and Dave Boettcher.
 - i. Dave Boettcher will take on weatherization/MassSave aspect
 - ii. Bob Zogg will cover Heat Pumps.
 - iii. Debbie Bentley will cover embodied carbon.
- e. Debbie: we can include the solar map used in past.

5. <https://www.google.com/maps/d/u/0/viewer?mid=1oRK8m75VfAvHYd4DmsrBVJ-aB9Y&ll=42.53189640395097%2C-71.35544345&z=14>

- i. Discussion re how to collect numbers of households with heat pumps, solar installs, induction cooktops. Dave Boettcher offered to create a short survey for distribution to CITW/Town Newsletter. Could also be advertised in the Mosquito.

6. Location of Groups:

- i. Bob Zogg raised concern about number of sites being used. Debbie shared that Carlisle Park now has very little happening there and we can use the school campus for much of this.
- ii. Debbie: we need to get plans in place re greeters, timetable, logistics, volunteers
- iii. Joeth suggested Old Home Day organizers (Christie and Niles Cocanaur?) could be consulted and would be very helpful based on their experience.
- iv. Barney: Cocanaurs have chairs/tables that have been used by Diversity Day and other events.
- v. Who will connect with Cocanaurs?

7. Webpage Outline

- a. Debbie indicated that she needs help on website; Debbie: looking for more people to write content and learn how to use the program. support. Town will maintain once it is developed/up.

8. Outreach

- a. Articles are required for the Mosquito, COA , CITW, Town Newsletter. Need Volunteers.

9. Working Groups

- a. Debbie looking for working groups to cover:
 - i. Heat Pumps: need to make residents aware of costs and benefits.
- b. Center Municipal campus proposal.
 - i. Debbie: parking requirements are being dropped in some towns.
 - ii. Susan suggested that parking areas could be planned for and used for charging stations and renewables.
 - iii. Barney: Police station parking space discussed in terms of additional parking for personal vehicles for officers plus the police fleet. Town Hall parking is being looked at. No additional conversation about muni parking.
- c. Home Energy Assessments
 - i. Dave Boettcher has offered to work with a home energy assessment provider (recommends HomeWorks Energy) all at no cost to the homeowner (through Mass Save), 75-100% off paid for by ratepayers under the Mass Save program. Dave will invite them to meet with ESC.

- d. Annual Town Report: Who will write it?
 - i. Launa will draft and share with Joeth for comments. Susan Thomas will also see how she can or is expected to participate in the town report.

10. New Business: None

11. Next Meeting: February 23 at 4:30

12. Motion to Adjourn: at 6:05 PM Unanimous

Minutes:

- Minutes prepared and submitted by Launa Zimmaro
- Minutes approved by the CESC on [Date]



9th February 2023 Meeting: 4.30-6.00pm

- I am Debbie Bentley chair of the Environmental Sustainability Committee and I call this meeting to order.
- This committee meeting is convening by Zoom as posted on the Town's website Identifying how the public may join.
- Committee Members present remotely are: Bob Zogg, and Launa Zimarro, Joeth Barles, Glenn Read, Dan Cook and Barney Arnold (Selectboard)
- Christina Christodouloupolous and Eric Balles are absent.
- Staff member, Sue Thomas, is also present remotely.
- This meeting is being recorded, so be aware that other participants may be able to hear you and anything that you broadcast may be captured by the recording. All audience members should keep their microphones muted unless recognized by the chair.
- Each vote taken in this meeting will be conducted by a roll call vote.

PUBLIC COMMENT



Visitors, please type your name into the chat for the minutes.

The Agenda is full today and we will have to move diligently through the agenda to finish on time. If you would like to comment on the please use the chat function and we will review this at the end of the meeting.

Agenda Running Order.

1	Minutes	4.30- 4.35pm
2	Updates from committee members	4.35-4.45pm
3	Mass Energize discussion	4.45-5.00 pm
4	Route to Sustainability Day Planning	5.00-5.15pm
5	Webpage: initial layout feedback	5.15-5-25pm
6	February Outreach: Town Newsletter submission on 15 th Feb	5.25-5.30pm
7	2022 Town Annual Report	5.30-5.35pm
8	Possible Working Groups formation discussion	5.35-5.55pm

26th January 2023 Minutes

- Motion to Approve
- Second
- Any Discussion
- Vote
- Dan to issue approved minutes to the Town Clerk.



UPDATES

SELECTBOARD COMMENTS AND ACTIONS:

- Funding for RTSD approved.
- Warrant Article and Budget presentation delayed.

TOWN NEWS

- Maple St Bridge and Curve St Culvert @Cranberry Bog to be rebuilt with a state grant.
- Greenough Barn Materials : Historic Commission has found an interested party in some of the materials.
- **WORKPLAN-** See update in red. Please Check and revise as necessary.
- **COMMUNITY AGGREGATION:** See memo.
- **GREEN COMMUNITIES:** Sue is amending some of the information in the Annual Report.
- **VEHICLE INVENTORY:**
- **EV CHARGING COSTS INVESTIGATION:** Glenn Leads, Eric #2.
- Chargepoint data, need Eversource bills from the town. Post Analysis report/ recommendation to Selectboard/ Ryan.
- **UPCOMING EVENTS**
- [Zero waste caucus with Congresswoman Katherine Clark. Feb 16th 3.30pm Lexington](#)

UPDATES

OTHER COMMITTEES:

- Rec Com : invite to committee meeting?

COORDINATION WITHIN TOWN GROUPS?

Any news?

COORDINATION WITH OUT-OF-TOWN GROUPS

- Deconstruction vs Demolition Simon Cataldo.
- [Bills Rep Cataldo is co sponsoring](#)
- [Newsletter from Senator Barzetti](#)
- [Bills Senator Barzetti is sponsoring / co sponsoring](#)
- MCAN: Starting Meetings on Embodied Carbon.
- [MCAN: Zero Carbon Renovation Fund.](#)
- MAPC update
- Green Communities Feb Newsletter- emailed on 1st Feb.

[Built Environment Plus " Ready For Net Zero" 2022 Report.](#)

MASS ENERGIZE PRESENTATION

Feedback from Presentation?

Value?

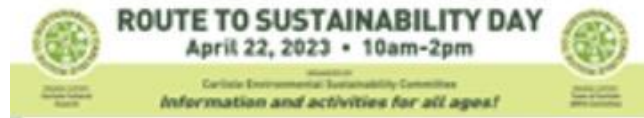
Is it the right product for Carlisle and the ESC?

Benefits of being part of a community?

ROUTE TO SUSTAINABILITY DAY

Motions:

- Purchase of Banner.
- Publicity Text
- Food Demo.
- 1) Demo on demand for three hours. \$525
- 2) Demo at a specific time and stay for one hour. \$375



ROUTE TO SUSTAINABILITY DAY

- Energy Issues. What do we have for displays

Mentioned in the workplan.

- Solar Map and amount of generation needs updated.
- Gas Leaks? Art display like Acton's? Methane Gas kills trees. Planting flags
- Promote Soak up the rain- gardens display?

ROUTE TO SUSTAINABILITY DAY

Location of groups. The Common is not flat. There is an accessibility issue. The school car parking is flatter. The library lawn is not large.

Progress

What needs to be updated in the list?

- Timetable
- Budget
- Logistics
- Volunteers

WEB PAGE OUTLINE

Feed Back: Need Photographs and texts, <https://esc-carlisle.weebly.com>



OUT-REACH



MONTHLY TALKING POINTS

See attached sheet- last meeting

Been added as Blog item



TOWN NEWSLETTER

RTSD in Feb newsletter?



[COAHS NEWSLETTER](#)

RTSD Publicity has been sent to COA HS

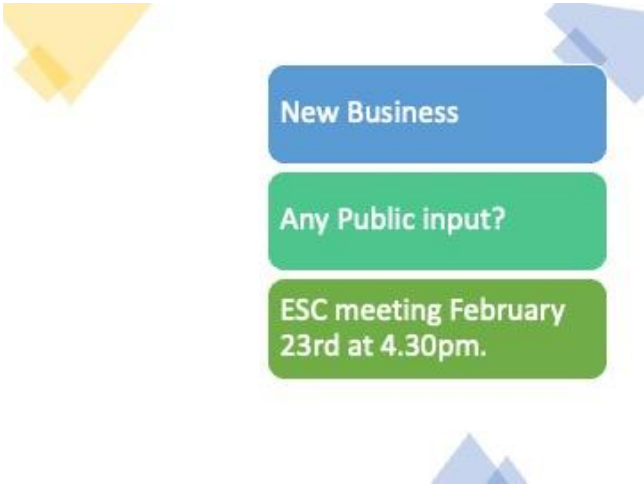
Working Groups ?

- Heat Pump messaging.
 - Proposed extension of Parking at Municipal Buildings / Parking area review in town.
 - Webpage
 - Home Assessments review/ advice group
 - Residential Data Collection- assessors/ building department.
 - RTSD
- Logistics and Time-line
Coordination and Location layouts
Budget

TOWN ANNUAL REPORT

- Only needs information from September–December 2022.

Need a volunteer to draft a submission to be voted on next meeting.



TOWN COMMON AND UNION HALL

	Permission	Permission is pending from the Parish Committee. We have permission from SB. Can stage on Friday and remove on Monday. We have permission to use the Wayside Pulpit on the Green (Ellen Huber contact person)	Gio D Nicola.
	ConsCom:	yes, no specifics yet	
	Land Stewardship	will provide their own display info (put bug table next to it)	
	FRS EAC	might present youth projects on plant-based diet or actions to combat climate change, Steve Kirk may present beehive, Ernie Huber may host follow-on tour of his garage beehive, a possible plant-based cooking demo follow-on event in the FRS kitchen	EAC
	Garden Club	Seed swap; present collection of "eco" books and literature. Native tree scavenger hunt tree scavenger hunt. Info on tabling pending. May organize follow-on event. Will sponsor native plant sale and pre-order pick-up and siting garden benches workshop at Center Park.	Garden Club
	Judy Asarkof	in addition to LSC, will present information on iNaturalist. Possible family challenge to upload something on iNaturalist. Would need volunteer to help people with the app. Board with complete list of native plant nurseries and demo gardens in the area	
	Andrew Joslin	will present on trees and forest habitat, carbon sequestration, trees and climate change resilience (drought, temperature), fungi, homeowners and trees, tipping point between forest and development, keep the carbon on the land, possible "bark quiz" for youth. Forest walk as follow-on event.	
	Walter Kittridge	will present why native plants are important, mosses, "scratch and sniff" samples, terrarium, microscope. More info to come. Towle meadow walk follow-on in May.	
	Back Yard Invasives:	will present information on invasive plants and proper removal, will provide specimens. Is willing to lead follow-on invasives walk in late April and natives walk in May for \$35/hour. (NOTE Maddie's fees should be higher to be sustainable).	
	CRAC	will present info on CRs.	
	Xerces Society:	availability pending, will come with their tabling kit and info on insects. May need power for monitor. Follow-on lectures, field walks, workshops, webinar series.	
	CCF	Has been contacted, awaiting response Debbie will reach out too- Done	Debbie/ Done
	Tom Brownrigg and Ken Harte:	information on local birds and their habitat, pending	
	Anthony Kiszewski:	entomologist and epidemiologist may present on the harms of spraying.	
	Kay Hurley	will present info on lichens and fungi if she is available	
	Dark Skies	awaiting response from Alan Lewis, Judy working on establishing connection with Chelmsford person	Alan Lewis.
	Joeth:	will reach out to Nikki White regarding "garden experiments" (Both are also doing the seed swap)	Joeth to Confirm
	Minuteman Vocational School Environmental Tech Program	aquatic ecosystems, groundwater, pending	
	Clark Farm	Amanda will develop family engagement, they will present info. Will bring own table. Will promote their Open Farm Day event in May.	
	Carlisle Farmer's Market:	Clovis he will reach out to all the farmer's market people.	
	Sweet Autumn Farm:	availability pending. Will provide info on sustainable farming practices. Can provide own table. Is willing to do follow-on tour at the farm.	
	Agricultural Commission:	Andrew Rogers will reach out to them to table	

	Foss Farm	Jack O'Connor, need to reach out	Needed
	Bates Farm	need to reach out	Needed
	Ruettgers Clock Barn	need to reach out.	Needed/ Barney?
	Minuteman Vocational School Culinary Program	sustainable agriculture, pending	
	TSAC	will present info on composting and general transfer station info. May include demonstration on creating a compost pile with palettes. Signs at trash bins (general, recyclables and compost) with outreach and facts. FRSEAC will provide for TSAC display already printed word search handout	
	Environmental Ministry at the Concord-Carlisle Catholic Collaborative	(Including St. Irene's): will present information on recycling and aligning with TSAC initiatives	
	DPW:	has been contacted to participate, awaiting response	
	Dan Cook	Will collect info from DPW on road salt use and provide display info on negative impacts of salt use	Dan Cook
		Will reach out to Friends of Zero Waste to participate	Launa Zimmaro
		will reach out to Concord Carlisle Buy Nothing, Reduce Reuse Recycle MA	Debbie Bentley
		Bat Boxes request CITW / Mosquito	Joeth/ Debbie
		EV request CITW / Mosquito	Joeth/ Debbie
	MAKER'S MARKET	FRS EAC will sponsor the market (they may title it something else). Thus, no hall fee, just 10% of the gross profits to go to the church. Dan Scholten will reserve the hall for the 22nd. In addition to crafts, honey can be sold there. Participation still needs to be organized as Betsy Fell and Laura Scholten will be away. Debbie has reached out to Old Home Day for help.	

Rain contingency: Union Hall:

Note this is a problem as all these people cannot fit into Union Hall with the Makers Space

WC: Union Hall

Power source: Union Hall

FRSEAC: might sell food in compostable containers (include compostable sign)

Food vendor: TBD

GAPS: soil health, dangers of chemicals.

CENTER PARK

Friends of Center Park/Garden Club: native plant sale and pre-order pick-up.

Possible workshop garden bench siting. Center Park are planning more activities.

SCHOOL SOLAR CANOPY

	FRS EAC	sponsoring EV display and testimonials.	
	E BIKES	Eric can bring e-bike to display (need to plug in), regular bike as well	
	Transportation	will pull together to display information on sustainable transportation, economic advantages along with environmental benefits, the future of EVs. Tax incentives, stability/availability, the future of EVs	
	Green energy consumer alliance:	Sue will reach out for rep.	Sue
	COAHS	will provide the shuttle for people to check out. They will park it at the solar canopy at 9:30. Can provide own table	
	Landry's	Eric will reach out for rep	
	Petting zoo	Bob can bring battery leaf blower, lawn mower. Include actual rake. C can bring battery weed whacker need volunteer to cover this. Reach out to the community for this.	

	CCA	Sue Thomas: will present Community Choice Aggregation information, advocating for 100% renewable option. She can print posters at Town Hall.	
	Municipal Facilities Committee	Pending- Debbie has reached out to them as well	Debbie
	Friends of COAHS	Nancy Jaysene is following up on this.	
	Solar Panels	FRS: Greg Rocco and Dave Erickson possibly to present testimonials on solar panels, battery backup systems Gio DNicola will provide portable Solar power pump for display	
	Heat Smart Alliance (Heat Pumps)	Bob will present information on heat pumps and water heaters. Can take down names for future coaching. Has 2'x3' posters with QR codes and table-top pictures. Is willing to plan follow-on presentation to be promoted at event. NYTimes emissions quiz activity Also may be an idea to have some town folk giving testimonials.	
	Geothermal testimonial:	Debbie will reach out to CITW (Donald Monroe)	Debbie
	Passive House	Adams & Beasley: will present info on Passive House construction. Set up follow on tour of passive house	
	Embodied Carbon	Reach out to Architects	Debbie
	Building Codes	Jon Metivier: will have info on new stretch code	
	Historic Com/ Society	Historic Society can provide some historic building elements for props. Historic Society are discussing having a table.	
	MassSave:	Bob is working on contacts	Bob
	Abode Energy Management	Dave is working on home energy assessment	Dave
	Mass Energy Efficiency Council:	Glenn will reach out to them, and will gather information to display on energy, energy efficiency and electrification.	Glenn
	Mass clean energy center:	Sue will reach out for rep on solar info	Sue
	Mothers out Front	Need to reach out- Concord , Bedford and Acton all have groups.	???
	Governance and Incentives	Launa will present information on state and federal laws, incentives, regulations, rebates. Info on Federal Inflation Reduction Act, tax credits. Rep. Simon Cataldo and Sen. Mike Barret have been invited	
	Tax person	Sue will reach out for someone to table info on was to save money	Sue
	Rec Dept/RecCom	pending, may host kid activity, may host follow-on event	
	Town Administration:	Ryan or staff will participate	
	Select Board:	pending	
	PTO:	pending	
	Girl Scouts:	pending	
	Boy Scouts	pending	
	Carlisle Cheer Project:	pending	
	Carlisle Congregational Church:	pending	
	Schools:	all are in, specifics pending	
	Minuteman Vocational School Environmental Tech Program:	students will present various info climate change, wetlands, renewable energy, water quality	

Rain contingency: School cafeteria and breezeway (for a fee), Brick house via RecDept booked and available
 WC: by cafeteria (\$350 janitorial fee - \$100/hr for first two hours, \$50/hr after), Brick House has two WC available
 Power source included in above janitorial fee. Brick House available. Need to recharge lawn equipment batteries and e-bike
 We have permission from Jim O'Shea to use both levels of solar canopy and the plaza. Can stage on Friday and remove on Monday. No extra insurance needed.

Food vendor: TBD

GAPS: electrification (Glenn, Bob and Sue working on this) and gas cooktop health hazards, weatherization, samples of insulation, decarbonization, kid “energy” interaction- electrostatic generator? Additional architects, passive house info

LIBRARY

	Library	will display environmental books and book list recommendations pertaining to sustainability, vegetarian cookbooks, pre-ordered plant-a-sapling kits (sponsored by the library), recycled materials art project for kids. Take and make for kids. Possible simple bird feeder builds with teen helpers. Will display their library of things, including induction cooktop, and promote “share it, don’t buy it”.) They will use own tables and chairs.	
	TrailsCom	will display large map of Carlisle trails, sell their trail map books	
	Friends of Bruce Freeman Rail Trail:	will have booth a la OHD, via Glenn (they have \$ dedicated to community outreach)	Glenn
	The Mosquito	interested in selling “Who’s Who” book	
	Boston Vegetarian Society:	Low carbon food demo: She has induction cooktop and can talk about its benefits, as well as the benefits of a plant-based diet to the environment. Demo on demand for three hours \$525 and demo at a specific time and stay for one hour \$375. Resident volunteers to cook?	
	Sudbery Assabet Concord	Interested Dan will provide details. Possible funding source for next year.	Dan
	BOH:	has been invited, on agenda for 2-22-23. PFAS?	
	Planning Board:	pending	
	Display	non plastic alternatives for kitchenware	
	Cultural Council	Interested. Details to be discussed at next meeting.	

Rain contingency: third floor large room

WC: available

Power: can provide for food demo

We have permission to do food demo outside

They open at 10:00; we may wish to see if they can open a little earlier to set up

Food vendor: TBD

FIRE DEPARTMENT

Fire Department	will present green building initiatives, planning for climate/weather changes, brush fires, water sources issues, flooding, power, pandemics, effects on firefighters/chemicals, mitigation. Will provide own tables. Will showcase a couple of trucks, pumps, generators, ATV
Police Department	will display the new hybrid vehicle; have information on their anti-idling devices; will have kid-friendly outreach, “tour” a cruiser.

Rain contingency: bay

WC: available

Power: available

Will provide own tables

Food vendor: TBD

FOOD VENDORS

Clover: plant-based food truck, have been approached

Red Lentil: plant-based food vendor is interested, depending on estimated participation

Fern’s: awaiting response.

Salt box kitchen?

Augusta Chicken Billerica (FD connection)?

Debra’s?

KIDS ACTIVITIES

Library have lawn games we can use at other stations if there are no kid activities there (with sign: courtesy of the library.
You can check these items out for yourself)

- Face painting
- Bug Lady
- Plywood cutout picture stand
- Scavenger hunt stamp at each location (find the earthworm, find the
- Build eco-city blocks
- Big chart to draw on
- Clark farm animals?
- Mushroom growing kits
- Ideas from Rec Dept
- Pulped to make paper from shredded paper?
- Bee keeping demos
- Simple seed bomb recipe
- Bird and bat box instructions
- Teen helper build bird house?

OTHER WAYS TO CONVEY INFO

- Signs on trash barrels with info
- Signs “this tree sequesters x amount of carbon”, “the solar array on the school roof creates x energy”, “the siding on this house embeds x amount of carbon”, “this uses x amount of energy”, etc with QR codes to info
- Posters with questions or quotes
- I ♥ my natural yard, wild yard, native habitat, native wildlife, yard from salvaged ply

POST EVENT

- Info on who came
- Survey what learned, what want more info on, how impactful for future grants
- Video of event for future grants
- Thank you letter in Mosquito



Monthly Messaging

NOT IN ANY MONTHLY ORDER

1. Breathe Easy
2. Healthy Habitats
3. Environmental Advocacy
4. Reuse, Repurpose, Recycle
5. Regenerate
6. Electrify Everything
7. Sustainable Maintenance
8. Sustainable Education
9. Shrink your Carbon Footprint
10. Embodied Carbon and Sequestration
11. Looking to the Future

POSSIBLE ORDER:

January	Reuse, Repurpose, Recycle
February	Healthy Habitats
March	Breathe Easy
April	Electrify Everything
May	Embodied Carbon and Sequestration
June	Regenerate
July	Sustainable Maintenance
August	Sustainable Education
September	Shrink your Carbon Footprint
October	Environmental Advocacy
November	Reuse, Repurpose, Recycle
December	Looking to the Future

BREATHE EASY	
Pollutants in the home- Chemical and gas	RE06 RE08
Anti- Idling	VT08
EV	VT02
Trail connectivity	AT01
Bikes and scooters	AT02
Gas: landscape Gardening equipment. Pollutants in the air.	RB05
Private Jets flying into Hanscom	
Bonfires are bad for you	RE09 GNR12
Gas Leaks and tree death action.	NR03

Town Hall Policies for cleaning	GMP05
Town Hall Policies Landscaping policies	GMP06

ENVIROINMENTAL ADVOCACY	
The Environmental Sustainability Committee Work Plan	GMP02
Mass Save Incentives	RM02
Lobbying for a more sustainable Carlisle	
Local Non-Profits advocacy.	GC02
State & Non-Profit advocacy	GC01/2
Country/ global advocacy	
Advocacy by sectors	GC03
Advocacy by age	GCO2
Financing/ investing for change	RM02

REUSE, REPURPOSE, RECYCLE	
Library of Things	RB07
Repair Café & Up cycling.	RB07
Social Media Exchange places.	RB07
Demolition Delay Bylaw	GBE04
Deconstruct vs Demolition	GBE03
Town Hall Policy /School policy.	GMP04
Composting	RE02
Ride Share	VT04

REGENERATE	
Photo-Voltaics	RB08
Soil Health	RE05
Native Planting	NR04
Sustainable Gardening	RE01
Shop at local farms- regenerate local economy	AE01
Pollinators and Bees	NR01
Bat Houses.	NR01
Composting	NR01
Do you need a lawn?	RE03

ELECTRIFY EVERYTHING	
Heat Pumps	RB03

Induction Cook Tops	RB04
Electric Gardening Equipment	RB05 GNR10
LED Lighting: Including issues with insects etc.	RE07
Hot water heaters	RB03
EV's	VT02
EV School Busses	VT01
CCA	RB06
New Building Codes	GL01
Municipal planning for EV's	GT03
Promote PV's	RB08

School Garden	GC02/ ENR04
Clark Farm	GC02
Center Park, Garden Club, Tower Hill	GC02
Embodied Carbon of materials	GBE02
Invasives vs native planting.	NR04
Heat Pump education	RB03
Energize Mass	

HEALTHY HABITATS	
Weatherize you home	RB01
Home Energy Assessments	RB02
Chemical and gas pollutants in your home.	RE06
Leave the leaves, fallen branch dens	RE02
bat boxes, worms, insects	NR01
Beneficial Shading	NR02
Sustainable Agriculture	GNR01
Building Materials	RE08
New Building Codes	GL01
Pesticide and Herbicide use.	GNR02

SHRINK YOUR CARBON FOOTPRINT	
Home Energy Audit	RB01
Plant based diet	AE02
Rules for Travel inc. flying, tourism, and commuting.	VT?
Buy Local	AE01
Consume Less	RB07
Consider embodied carbon	GBE03
Go electric	RB03
PV generation	RB08
Efforts the town has completed/plans to reduce their carbon footprint	website
Weatherize you house inc. curtains	RB01

SUSTAINABLE MAINTAINANCE	
Trails and Biking	AT01/2
Eating a plant-based diet	AE01
Creating a Maintenance log for you home.	RB01
Growing your own food: Foss Farm	RE01
Volunteering	
Looking after Wells and Water/ irrigation	RE03 RE06
Looking after Septic Systems.	
Window Replacement vs Storm windows/ Historic homes.	RB01

EMBODIED CARBON AND SEQUESTRATION	
Trees- how much carbon is sequestered by a tree.	NR02
Ensuring the Soil is Healthy	NR01
Existing materials- reuse	RB07
Existing Buildings- Remodel before new	GBE03
Diet- meat vs plant based	AE02
Composting	RE05

SUSTAINABLE EDUCATION	
Riding the bus to school	VT01
Eco Programs in the School/ after School	ENR04/ ENR05
Carbon Reduction programs at school/ after school	ET02 EB02

LOOKING TO THE FUTURE	
Counting Embodied Carbon	GBE02
Rainwater gardens, and bigger gutters.	GNR04
Drought: Water barrels	GNR05
Changes in Bylaws in other towns	
PFAS issues	
Zero Energy Buildings	GBE02
Embodied Carbon of materials.	GBE02
Battery Storage.	RB09