

Climate Mitigation Action Library

TRANSPORTATION (~43% of VT emissions, ~42% of NH emissions)

- 1 Bike to Work..... *Personal*
- 2 Buy Carbon Offsets for Necessary Travel..... *Personal*
- 3 Carpool on Shopping Trips..... *Personal*
- 4 Carpool to Work..... *Personal*
- 5 Live Near Your Workplace..... *Personal*
- 6 Take Advance Transit..... *Personal*
- 7 Walk to Work..... *Personal*
- 8 Incentivize Carpooling and Telecommuting..... *Professional*
- 9 Install Electric Vehicle Charging Stations..... *Community*
- 10 Build More Sidewalks and Bike Lanes..... *Community*
- 11 Offer Prizes for Carpooling to Events..... *Community*
- 12 Promote Bus Transit..... *Community*
- 13 Promote Electric Bicycles..... *Community*
- 14 Promote Electric Vehicles..... *Community*
- 15 Start/Promote Local Rideshare Boards..... *Community*
- 16 Support/Promote Incentives for Electric Vehicles..... *Advocacy*

THERMAL (~28% of VT emissions, unknown % of NH emissions)

- 1 Adjust Your Thermostat..... *Personal*
- 2 Install Heat Pumps, Solar, and Insulation in your Buildings..... *Personal*
- 3 Weatherize Campaign..... *Community*

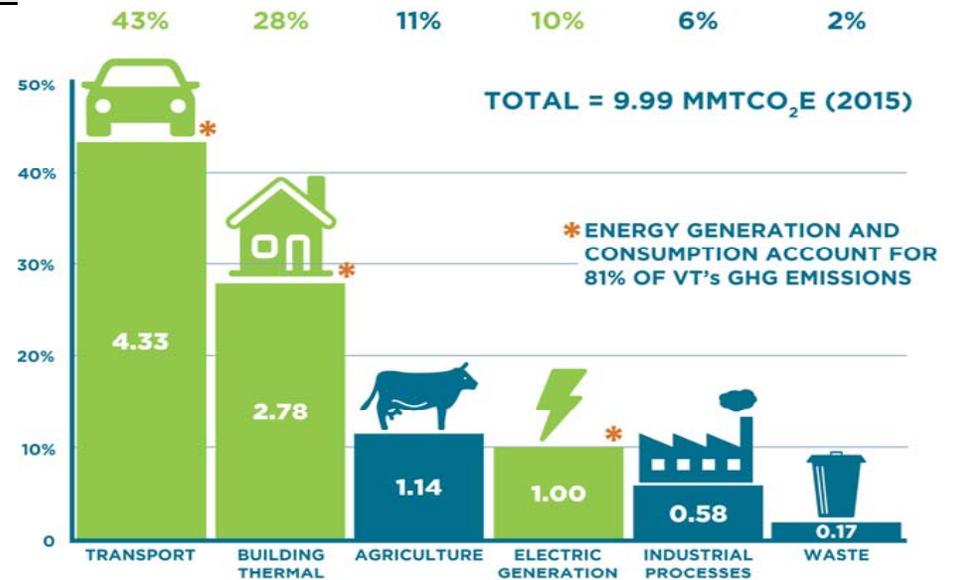
AGRICULTURE (~11% of VT emissions, ~1% of NH emissions)

- 1 Buy/Grow/Eat Local Food..... *Personal*
- 2 Eat Less Meat..... *Personal*
- 3 Eat Organically Grown Food..... *Personal*
- 4 Create an Edible Pocket Park..... *Community*
- 5 Encourage Cover Cropping..... *Regional*
- 6 Encourage Low-Carbon Farming..... *Regional*
- 7 Encourage Regenerative Agriculture..... *Regional*
- 8 Oppose Factory Farming..... *Advocacy*

WASTE (~2% of VT emissions, 3% of NH emissions)

- 1 Encourage Use of Biodigestors..... *Community*

Vermont's GHG emissions by sector



Source: 2016 Greenhouse Gas Emissions Inventory Brief (1990-2015), VT Agency of Natural Resources



ELECTRICITY (~10% of VT emissions, ~20% of NH emissions)

- 1 Hang Clothes to Dry..... *Personal*
- 2 Work for a Clean Energy Company..... *Personal*
- 3 Install Small Scale Wind Power..... *Professional*
- 4 Save Energy in the Classroom..... *Professional*
- 5 Use Best Practices (e.g. reducing waste for Archivists)..... *Professional*
- 6 Create Local Solar Siting Regulations..... *Community*
- 7 Get Solar Installed on Superfund Sites..... *Community*
- 8 Launch Solarize Campaigns..... *Community*
- 9 Switch to LED Streetlights..... *Community*
- 10 Promote Wind Energy as Viable State Resource..... *Advocacy*
- 11 Look into Community Scale Solar..... *Research*
- 12 Research Nuclear Energy..... *Research*

CARBON SEQUESTRATION

- 1 Join Your Conservation Commission..... *Personal*
- 2 Organize Community Tree Planting..... *Community*
- 3 Encourage Forest Management for Carbon Sequestration..... *Regional*
- 4 Sell/Purchase Carbon Offsets from Sequestration..... *Regional*
- 5 Study National CO2 Capture/Sequester Policies and Programs..... *Research*

PUBLIC POLICY

- 1 Create Enhanced Town Energy Plans..... *Community*
- 2 Oppose Greenhouse Gas Infrastructure..... *Advocacy*
- 3 Study Carbon Pricing Models..... *Research*
- 4 Support better climate policy..... *Advocacy*

ALL SECTORS / OTHER

- 1 Bank and Invest Responsibly..... *Personal*
- 2 Use a Climate Calculator..... *Personal*
- 3 Host Local Educational Events..... *Community*
- 4 Organize a Climate Strike..... *Community*
- 5 Participate in Local Action Groups..... *Community*
- 6 Promote Eco-Friendly Landscaping..... *Community*

TRANSPORTATION (16)

	Idea From	Scale/ Focus	ACTION	Description	What can a local Climate Change Leader do to make a meaningful impact?
1	Suzanne Hawley	Personal	Bike to Work	Since we chose to live close to his work, my husband usually rides his bike such that he only commutes by car about 6 miles per week, in contrast to the 150 miles he would have driven per week had we chosen the house 15 miles from work.	Find and encourage alternative modes of transportation.
2	Sarah Wood	Personal	Buy Carbon Offsets for Necessary Travel	I travel internationally often for work. I am painfully aware that my career causes harm to the planet. For this reason, I have been carbon off-setting for decades and have witnessed a tremendous amount of innovation and evolution in this intervention over time. Over the years, I too have experimented with the most direct and relevant ways to mitigate the GHGs that I emit through my travel. I have also encouraged companies, governments, and networks I interface with to also consider their options in offsetting and mitigating the damage we cause as collateral and consistent damage to our earth. I see carbon offsetting as essential for people who travel regularly and feel that it is essential that we advocate in our circles of influence for this to become a predictable and regular practice.	I have found the following resources to be the most effective and innovative for the transportation sector as well as for the work I do in International Development planning globally. But these resources also can help businesses and individuals create a carbon neutral impact over time and as we transition to more renewable options or less reliance on fossil fuels. I think these standards are also helpful in looking at municipal and regional planning efforts in Vermont and throughout the state and bioregion.
3	Amy Lappin	Personal	Carpool on Shopping Trips	I shop for groceries with friends every weekend. Carpooling for errands makes them more fun!	
4	Mary Gavin & Rebecca Bailey	Personal	Carpool to Work	I carpool 2 days per week with a neighbor reducing commutable miles from 400 to 360. We have a tiny carpool group from Strafford to Hanover that saves 5 or 6 individual roundtrips per week. We check in by email on Sunday to see what people's plans are for the week and which days we can share rides. Because we are a small group, we can be informal about deciding who drives on a given day. In an earlier iteration, we had our own currency so you kept track of who was doing the driving, and if you couldn't share driving, you could pay in.	Support car pooling initiatives. Small things matter. A local Climate Change Leader could have meaningful impact by expanding carpooling in a community by heading a process to choose a carpooling app that the community would adopt, and working through with the community the FAQs and logistic challenges of getting a carpooling process working smoothly. Based on my experience, an app that awarded points of some sort for the drivers giving rides would help people feel the system is fair and that no one is "freeloading."
5	Amy Lappin	Personal	Live Near Your Workplace	We intentionally live close to our workplaces. One of us within walking distance.	
6	Caitlin Birch	Personal	Take Advance Transit	I take the Advance Transit bus to and from work at least three days per week, eliminating at least 27 miles of emissions from my personal non-electric vehicle.	They can choose public transit for their commute as well. If there's not a public transit option nearby their home (or even if there is), they can advocate for expanded transit options and routes to serve a greater number of UV residents.
7	Dillon Bradley	Personal	Walk to Work	I walk to my job in Hanover instead of asking my parents for a ride, reducing my weekly transportation GHG footprint.	
8	Amy Pomeroy	Professional	Incentivize Carpooling and Telecommuting	King Arthur Flour offers small daily stipend to encourage car pooling and allows employees to work remotely when possible.	Broaden car pooling opportunities locally with tax based incentives to drive consumer demand (create online sign up for commuters from different companies to take advantage of, lobby government to take action to promote a change in commuter behavior), offer incentives for companies to encourage car pooling and remote workers.

9	Elizabeth Ticehurst	Community	Build More Sidewalks and Bike Lanes	Communities would benefit from more sidewalks and bike lanes. Living in a four-season climate makes it more difficult to promote walking and biking as modes of transportation, however we still have at least 6-months of the year where we as a community could walk or bike. This is a win-win as it cuts down on GHG emissions from driving as well as promotes activity and improves health. With more apartment complexes being built by Dartmouth-Hitchcock, the community would benefit from the building of more sidewalks and bike lanes to/from these complexes and the hospital and downtown Hanover. There are many opportunities to promote alternative transportation methods.	
10	Rebecca Bailey	Community	Install Electric Vehicle Charging Stations	E-vehicle charging stations.	A Climate Change Leader could make sure there are multiple charging stations in the community.
11	Amy Lappin	Community	Offer Prizes for Carpooling to Events	The NH Library Association recently held a one day conference in which the theme was sustainability and participants were asked to carpool from all over the state. Everyone who carpooled was entered into a raffle for a water bottle and traveling utensils. Over half of the people who attended chose to carpool.	When planning events think about weaving sustainability into your day whether through speakers or encouraging people to carpool. If reminding people to carpool hadn't been in all of the event advertising, the results would have been much lower because people don't always think about the option.
12	Ben Steele, Jill Dorman, Reb MacKenzie, & Elizabeth Ticehurst	Community	Promote Bus Transit	Many local and long range buses. Advance Transit is a free bus service for the Upper Valley. Stagecoach or Connecticut River Transit connect commuters from afar. They're wheelchair accessible, and include bike racks for those biking to the bus stop, which cuts carbon emissions even more. Dartmouth Coach offers comfortable, affordable, easy transportation to and from Boston and NYC. These are simple ways in which individuals can make a positive impact by cutting down on GHG emissions one day at a time by taking public transportation. There's an app to access bus routes, times and length of trip.	Come up with marketing to promote existing services/routes - more attractive, easier, and appealing. I'm unsure how many people are aware that Advance Transit is a free service. I work at Dartmouth-Hitchcock. The hospital could work with AT to post maps/schedules for easy reference.
13	Rebecca Bailey	Community	Promote Electric Bicycles	Many of us commute distances that make it hard to rely on bikes. Some types of e-bikes offer good transportation alternatives for this climate and topography. But it's very confusing - what kind of gearing, battery, tires, etc, are best for a rugged landscape with heavy weather? How can other practical barriers - visibility, apparel - be surmounted?	A Climate Change Leader could sort through the current options in e-bikes, consult with experts, and come up with a list of the optimal models for this region, and could partner with bike retailers in the region to sell and service these optimal models.
14	Ben Steele & Catherine Kidder	Community	Promote Electric Vehicles	There are incentives for plug-in electric cars. These include a \$7500 tax credit on many models and many local charging stations and Vermont utilities are offering rebates (GMP will give a \$2,500 rebate and \$1,000 more for low to moderate income customers, plus free Level 2 chargers). Most car manufacturers have plug in models, either hybrids or all electric, but they do not promote them very well.	Publicize the availability of these cars, their availability and cost effectiveness. Even if the electricity comes from the grid it costs about 25% of the cost of gas, plus maintenance is much less than on a gasoline powered car. Contact Drive Electric Vermont to set up a local demonstration during a well-attended public event.
15	Tom Trunzo	Community	Start/Promote Local Rideshare Boards	Set up a local, volunteer ride-share program similar to college "ride-boards" of yore. There may be current programs that provide this. Would need screening of drivers/passengers for everyone's safety.	Enlist local college and high school students to help with a program to pair riders and drivers with points of origin and destinations.
16	Amy Pomeroy & Ben Steele	Advocacy	Support/Promote Incentives for Electric Vehicles	Offer increased incentives to buy electric vehicles to drive demand	Federal, state and local incentives exist - advertisement campaigns for current incentives to broaden awareness and lobby government to expand incentives to drive an increase in conversion from traditional to hybrid and electric.

THERMAL (heating) (4)

	Idea From	Scale/ Focus	ACTION	Description	What can a local Climate Change Leader do to make a meaningful impact?
1	Leah Marshall & Chris Johnson	Personal	Adjust Your Thermostat	I read an article by the NPS which included several ways to reduce home energy consumption. It suggests that adjusting your thermostat by 3 degrees Fahrenheit (3 warmer in summer, 3 cooler in winter) you could reduce your CO2 emissions by 1050 pounds per year. After doing some calculations, I determined this is equivalent to the amount of CO2 produced by about 53 gallons of gasoline. So if this initiative was adopted by all households in the US, it could reduce emissions by billions of pounds of CO2.	A local climate change leader can start by making these adjustments in their own home and encouraging others to do the same. Work with local government and/or nonprofit organizations to encourage residents to keep their thermostats low. It could be positioned as an economic choice (could show how much money one saves on heating oil) rather than an environmental one, as that would probably be more effective.
2	Amy Lappin & Richard Enser	Personal	Install Heat Pumps, Solar, and Insulation in Your Buildings	When building our restaurant, we decided to heat with electric mini splits in a well insulated building (10.5 inch double wall construction with dense packed cellulose)...Have installed rooftop solar and replaced propane furnace with heat pumps	Community leaders are sometimes on boards or part of building projects where they have the opportunity to weigh in on building materials.
3	Nancy Serrell, Cori Hirai, Reb MacKenzie, Cecily Anderson	Community	Weatherize Campaign	Efficiency Vermont and NHSaves offer rebates for homeowners who air seal and insulate their homes to improve efficiency. In 2017-2019 Vital Communities conducted Weatherize Upper Valley to help towns across the region launch a weatherize campaign. There were 730 site visits, and as a result 291 homes were weatherized. Vital Communities is no longer hosting formal Weatherize campaigns, but is developing a Weatherize Toolkit to help towns launch a campaign on their own.	Drum up participation: Create a goal for a community to improve thermal efficiency by 5% using the state program to help bring down costs. A group or town could negotiate low cost home energy audits for a block of homes, determine which homes would benefit the most from additional sealing and insulation, and perhaps even raise funds or share costs to help the folks in the draftiest houses afford improvements. Throw a swarm party at the end to celebrate.

AGRICULTURE (8)

	Idea From	Scale/ Focus	ACTION	Description	What can a local Climate Change Leader do to make a meaningful impact?
1	Leah Marshall & Tom Trunzo	Personal	Buy/Grow/Eat Local Food	Though not accessible to everyone because it can be more expensive, farmers markets and local food sources can be a great way to reduce your food carbon footprint or "food miles". Oftentimes, the produce you can buy in larger supermarkets has accumulated many food miles. Opting to buy more locally sourced foods and foods that are in season can reduce your personal carbon footprint while also supporting local economies (a win-win!). One great book to read about local food and the environmental impact of foods is Animal, Vegetable, Miracle by Barbara Kingsolver.	Growing your own produce and/or supporting local producers is beneficial. Another step could be encouraging local food initiatives and perhaps state legislation that encourages local food consumption. One program I recently learned about is "Vermont Harvest of the Month" which encourages seasonal healthy eating and the local economy through educational endeavors and materials. Work with local food providers such as the Upper Valley Coop and work with educators about making good use of local food resources.
2	Catherine Kidder & Jack Hurley	Personal	Eat Less Meat	The average American consumes almost 215 pounds of meat per year. If consumption was cut by a quarter, it would save 82 million metric tons of greenhouse gas emissions per year. If we went full vegetarian, it would save 330 million metric tons per year, or 5% of annual emissions. Also good to participate in groups which promote a plant-based diet, and living a vegan ethic. Eating a plant-based diet reduces environmental degradation. Avoid using clothing and other products made from animals; avoid products tested on animals; buy as much as possible from thrifts shops.	For our annual community turkey supper (feeding 625 people) we chose to use turkey (had to have it!) from Maine rather than a national brand that cost less, to reduce transportation costs and get birds ethically raised without antibiotics. Education is important. True "environmentalists" can do it. Our organizations "table" wherever we can.
3	Jack Hurley	Personal	Eat Organically Grown Food	The production and use of chemical fertilizers allow greenhouse gas nitrous oxide into the atmosphere. Factory farms are much more likely to use them than family-run farms.	Educating people is important.
4	Rebecca Bailey	Community	Create an Edible Pocket Park	A couple in Strafford created an "Edible Pocket Park" as a small public demonstration site devoted to permaculture: no-till perennial plants that produce food. It includes an information kiosk, so it's educational. It's adjacent to the town's elementary school, so it's available for classroom projects.	A Climate Change Leader could create a similar edible pocket park in their community.
5	Cecily Anderson	Regional	Encourage Cover Cropping	Cover cropping is making its way into even conventional agriculture as understanding about its impacts on crop yields, water quality, soil health and climate become more widely known. Many farms growing silage crops in the Champlain Valley have received financial assistance to start cover cropping, related to efforts to clean up Lake Champlain. (Vermont Agency of Agriculture, Food and Markets is one agency offering funding.) Cover cropping helps fight climate change by reducing the need for synthetic nitrogen fertilizer--a product with a large climate footprint tied to nitrous oxide pollution (300 times more potent GHG than carbon). As part of ecological management they can increase carbon sequestration, build the soil carbon sponge, and help moderate the hydrological cycle.	I'm interested in how relatively simple land management practices — being researched for farming but applicable to yards, public space, roadways etc-- could be popularized in communities as an engaging, practical, hands on way to positively impact the climate. How could a town common, school lawn, or community garden be managed to cool the climate? How could local farmers be supported in switching to more regenerative agriculture practices? An organizer might start an initiative — a Carbon Drive, say -- to meet a certain measurable goal to build soil carbon content in a village or at a school. Bringing together citizen science, education, food, and fun collective work to change the way we manage land and build more resilient soils. (Soil Carbon Coalition for resources?)
6	Rebecca Bailey	Regional	Encourage Low-Carbon Farming	Lower-carbon farming is an area of growing excitement. A lot of information is being shared and many farmers and gardeners are adopting no practices. This link covers some of those practices.	
7	Bruce Freeberg	Regional	Encourage Regenerative Agriculture	I am inspired by the techniques and results of regenerative agriculture. Most inspiring of all is the use of regenerative agriculture by the to grow food sustainably in the Rojava region of Northern Syria. The Kurdish people in this area have been able to feed the public in the midst of a civil war and a 1,000 year drought shows the dramatic potential of regenerative agricultural practices.	Vermont can build on its strong agricultural heritage by becoming a laboratory and national leader in developing more climate and eco-friendly approaches to agriculture. I would like to learn about ways that growers in Vermont are already doing this, and help to communicate these stories at large.
8	Jack Hurley	Advocacy	Oppose Factory Farming	Support political candidates who promote an end to factory farming	

ELECTRICITY (12)

	Idea From	Scale/ Focus	ACTION	Description	What can a local Climate Change Leader do to make a meaningful impact?
1	Nancy Serrell	Personal	Hang Clothes to Dry	I bought some clothespins and put a clothesline in my basement. I already use a drying rack for small things. I'm keep track of how much I use my dryer over the next few months, and I am interested in seeing how many kw I save.	
2	Dillon Bradley	Personal	Work for a Clean Energy Company	My friend took a gap year and worked at Solaflect (an energy company that installs solar panels for houses around the Upper Valley). He gained a keen understanding of the entire installation process and was involved in the actual installations as well.	
3	Richard Enzer	Community	Create Local Solar Siting Regulations	Many towns in Rhode Island are developing regulations regarding the siting of solar arrays. Developers suddenly appeared out of the woodwork when the State provided incentives, but hadn't provided any guidance to the towns. Companies were applying to level hundreds of acres of forest to install arrays, and there are no incentives in place to site arrays in parking lots and other highly developed sites such as brownfields.	
4	Suzanne Hawley	Professional	Install Small Scale Wind Power	DiMillo's waterfront restaurant in Portland, ME installed a wind spire which supplements it's energy needs. A wind spire operates on a vertical axis to generate electricity. Instead of having fan-like blades rotating on a horizontal axis, a wind spire's blades are on a cylindrical frame that rotates around its support pole.	Encourage use of wind power to supplement homeowner and business energy needs.
5	Bruce Freeberg	Professional	Save Energy in the Classroom	When working alone in my classroom, I've started using a single lamp at my desk instead of the overhead lights. There are actually 16 lights in the room's ceiling fixtures, so this makes sense.	We could seek out an energy audit and also involve the students in finding more ways to reduce electricity at the school.
6	Caitlin Birch	Professional	Use Best Practices (this example is for Archivists)	I'm an archivist and archivists are increasingly seeking ways to reduce emissions connected to digital preservation (long-term preservation of born-digital and digitized materials of enduring value, including things like images, documents, databases, websites, social media, emails, videos, etc.). Linda Tadic of Digital Bedrock has, through education campaigns, influenced fellow archivists to take actions such as preserving fewer and lower quality (smaller data size) files to reduce the amount of digital storage (and thus cooling) required, and to seek environmental vendors to handle recycling of analog media carriers (cassette tapes, for instance) post-digitization so they don't end up in landfills.	Linda's presentation offers information and recommended actions for both professional archivists and non-archivist individuals, since we are all consumers of technology and creators of digital content these days.
7	Chris Johnson	Community	Get Solar Installed on Superfund Sites	A resident of Spartanburg, SC founded a group that spearheaded an effort to clean up Superfund sites, ultimately turning one of these sites into a 12,000 solar panel farm.	In our area, there is a solar array at one of our local Superfund sites (Elizabeth Mine), but there could be potential for more there, or at Ely Copper Mine. A local Climate Change Leader could follow a similar path as the aforementioned SC resident.

8	Ben Steele, Suzanne Hawley, & Reb MacKenzie	Community	Launch Solarize Campaigns	Solarize initiatives in the Upper Valley have highlighted ease and cost effectiveness that household solar panels can be installed. On-site panels can meet all a household's electricity needs and reduce the need for electric transmission. State and federal government programs provide financial incentives that dramatically reduce costs and thus the time before the panels pay for themselves. The federal tax credit is 30% of the cost (reduced to 25% after January 1, 2020), and NH offers a \$1000 rebate for installation.	Publicize the value of solar panels. Making the panels more conspicuous, bumper stickers and lawn signs, letters to the editor. I am not sure many home owners know the value of the incentives. Solar panels make sense from a purely economic standpoint. Become involved in one of the Solarize projects. Go solar. Talk to people about it.
9	Cori Hirai	Community	Switch to LED Streetlights	Lebanon is replacing streetlights to move to LED bulbs, reducing the overall electrical draw of the lights.	Doing evaluations on the existing lights, making sure they match the records, and that all of the lights meet the criteria so non-essential lights can be removed.
10	Jill Dorman	Advocacy	Promote Wind Energy as Viable State Resource	For the first time wind power has surpassed coal in Texas. Wind generated 22% of the state's electrical needs over 21% coal. In 2003, wind only contributed .8% while coal made up 40%. Texas produces and consumes more electricity overall than any other state. Texas also leads the nation in wind energy production and generated fully a quarter of all wind energy in 2017.	Climate Change leaders could help to educate others on the importance of alternative energy sources, and reach out to local and state reps and ask that they do more to make wind energy a viable energy source in Vermont.
11	Mary Gavin	Research	Look into Community Scale Solar	Investigate how to access solar power in a community array.	Many homes are not ideally sited to take advantage of solar power. Explore ways to develop community solar for those homes that are not well sited.
12	Dillon Bradley	Research	Research Nuclear Energy	I recently met a man named Bob Hargraves who co-founded a nuclear energy company (ThorCon). The company has been working a lot in poorer countries, like Indonesia, but is hoping to gain traction in countries like the US. It seems as though ThorCon has developed a Thorium nuclear energy plant that is better than coal, cheaper than coal, and has an intricate system for dealing with nuclear waste (I'm still researching more on what the company is doing but it could potentially be a viable, alternative source of energy).	Do research on Nuclear Energy (and companies like ThorCon). This information has been available for years and is important to learn. Many are concerned about nuclear waste/fallout, but with modern technology, there are ways to limit unhealthy exposure. Have & spark conversations, contact representatives, and research research research!

WASTE (1)

Idea From	Scale/ Focus	ACTION	Description	What can a local Climate Change Leader do to make a meaningful impact?
Casey Hess	Community	Encourage Use of Biodigestors	Organic waste is a major contributor to greenhouse gas emissions. Adding municipal or private biodigestors to community constructs will aid in reducing the amount of emissions that leave the landfill where they are not useful to where we can harness it for energy.	One can add a biodigestor to their home or advocate for their local municipality to add it to their waste management plan.

CARBON SEQUESTRATION (5)

	Idea From	Scale/ Focus	ACTION	Description	What can a local Climate Change Leader do to make a meaningful impact?
1	Jack Hurley	Personal	Join Your Conservation Commission	Member of the city's Conservation Commission.	This is an opportunity to conserve the city's trees, plants, and soils that sequester greenhouse gases. Environmentalists would have an important impact.
2	Suzanne Hawley	Community	Organize Community Tree Planting	The Manitoba Hydro Forest Enhancement Program funds community tree-planting projects. There are lots of other biologic sequestration methods as well.	Promote larger-scale tree-planting projects. Educate the community about the realities of the importance of large numbers of trees.
3	Rebecca Bailey	Regional	Encourage Forest Management for Carbon Sequestration	One way to encourage carbon-sequestering forestry management is letting forest owners sell carbon offsets. The challenge for Vermont landowners: these programs only make economic sense for parcels of 1,500 acres or more and we tend to own or manage much smaller parcels. One project got around that barrier by having landowners join together to participate in a carbon offset program: https://www.coldhollowtocanada.org/what/newsletters/article/news/carbon-sequestration-for-climate-mitigation/ OR https://www.vlt.org/land-management/carbon	A Climate Change Leader could look at land ownership and use in their town and adjacent ones and see if there is potential for bringing landowners together in a large-enough aggregate to participate successfully in a carbon offset program.
4	Sarah Wood	Regional	Sell/Purchase Carbon Offsets from Sequestration	REDD (Reducing Emissions From Deforestation and Forest Degradation) allows polluters to offset a portion of their carbon emissions by paying to preserve trees that would otherwise have been cut down (some also reward preservation without giving others permission to pollute). ProPublica research suggests such ventures have a poor record of delivering the emissions reductions and forest preservation they promise. For years, the stakes have been relatively low. Smaller projects were funded by well-meaning consumers and corporations looking for green public relations. Larger programs have been funded by countries like Norway, looking to help developing countries reduce deforestation without getting offsets in return. Now, California is considering whether to adopt the Tropical Forest Standard, which could allow companies that operate in the state to meet regulatory requirements to reduce emissions by buying forest offsets from overseas programs. Other countries could and likely would adopt California's blueprint, potentially expanding REDD on a massive scale.	Given what's at stake, It is critical examine the most common arguments made by REDD's defenders to see if they hold water. I feel that although REDD has shown to decrease and mitigate GHG, it is critical that we look at the research the first 10 years and apply this in ways that innovative and also truly tackle the impacts we need to have. We are all going to have to commit to small and massive scale reforestation and Vermont also has suffered from persistent deforestation. Although we live in a green state, this is an illusion of sorts, when you look at the needs for carbon sequestration based on fossil fuel use. REDD is a critical system of intervention that can be done at the local and bioregional level.
5	Suzanne Hawley	Research	Study National CO2 Capture/ Sequester Policies and Programs	US DOE's Carbon Storage Atlas	Not sure yet, but could probably involve lobbying for action at a state governmental level.

PUBLIC POLICY (4)

	Idea From	Scale/ Focus	ACTION	Description	What can a local Climate Change Leader do to make a meaningful impact?
1	Richard Enzer	Community	Create Enhanced Town Energy Plans	Are all Vermont towns are required to prepare Enhanced Energy Plans? The town of Salisbury just had theirs approved by the Select Board in August, 2019.	
2	Richard Enzer	Advocacy	Oppose Greenhouse Gas Infrastructure	I worked in a coalition (including scientists and other professionals, laypeople, organizations) to oppose a greenhouse-gas producing power plant in northwest Rhode Island. We addressed the multiple issues in the licensing process in various ways, from providing legal court testimony, public hearing participation, etc. One small group travelled the state with a “road show” and convinced 3/4s of the towns in the state to pass resolutions opposing the power plant.	
3	Richard Enzer	Research	Study Carbon Pricing Models	I don’t know what to think about carbon-pricing, but Rhode Island recently kicked off a carbon pricing study	
4	Tom Trunzo	Advocacy	Support better climate policy	The politics of the moment appear to drive issues like income inequality, corporate greed and unfettered capitalism, all of which contribute to the degradation of the natural environment.	Run for office, whether selectboard, representative, commissioner or present articles for the warrant at town meeting to encourage other elected officials to take positive steps to preserve the environment.

ALL SECTORS / OTHER (6)

	Idea From	Scale/ Focus	ACTION	Description	What can a local Climate Change Leader do to make a meaningful impact?
1	Casey Hess	Personal	Bank and Invest Responsibly	Broadly speaking, every day we make investment decisions and blindly contribute to GHG emissions from afar through irresponsible banking. Some major banks take the revenue they generate to fund projects that are not in the best interest of the environment. There are solutions, however, to better invest while still building credit and adding an element of transparency to credit systems.	A climate change leader can bank locally or take out a line of credit with a responsible bank or credit card mentioned in the link above.
2	Reb MacKenzie	Personal	Use a Climate Calculator	The New England Quakers have published a "Cape Cod Climate Change Collaborative's Footprint and Action Calculator" with many tools that address personal climate impact across the energy sectors and also sectors like food, agriculture, home landscaping, things youth can do, etc.	Using this website gives one a feeling of bringing the scope of climate change into one's own grasp of how our individual actions make a difference when we work together to collaborate en masse.
3	Casey Hess	Community	Encourage Use of Biodigestors	Organic waste is a major contributor to greenhouse gas emissions. Adding municipal or private biodigestors to community constructs will aid in reducing the amount of emissions that leave the landfill where they are not useful to where we can harness it for energy.	One can add a biodigestor to their home or advocate for their local municipality to add it to their waste management plan.
4	Reb MacKenzie	Community	Host Local Educational Events	Provide local programming for educating the public and town officials about the climate crisis in many different ways: documentaries; panel discussions; solar forums; presentations; etc.	Don't give up. Continue to do whatever is needed to address the climate crisis.
5	Jack Hurley & Reb MacKenzie	Community	Organize a Climate Strike	Helped organize a local September 20 Climate Strike, then followed up! (e.g. send a report on the Climate Strike to the town officials and boards of communities whose residents participated). Connect with these town officials to see what they think and will continue to pursue local government officials with information like the materials this 2CLA will generate so that these officials will have to realize that those who are serious about the crisis are not going away.	The Strike was a foundation from which to grow the number of participants. Further "strikes", educational initiatives (public forums, tabling at festivals, etc.) spread the word. Make more people aware of the seriousness of the issue.
6	Jack Hurley	Community	Participate in Local Action Groups	Participate in Action Collaborative for Transformational Spirit Now and A Better Claremont	These groups promote sustainable and environmental protection through discussion of readings and action to ensure that our community's environment remains and becomes a healthful as possible.
7	Richard Enzer	Community	Promote Eco-Friendly Landscaping	I intend to conduct campaign to educate people about the values of managing their properties in a biodiversity-friendly manner. Goals include reducing the extent of lawn, allowing natural vegetation to regrow to provide more carbon sequestration; restoration of land currently used for turfgrass agriculture back to the production of food; elimination of the use of all chemicals by individuals and communities; reduction in gasoline-powered landscaping equipment - replace needed items with electric-powered.	