

Minutes: Truro Climate Action Committee June 4, 2025

10 AM- 12 PM at Truro Town Hall

Type: In-person

**Attendees:** Lili Flanders, chair; Mark Gebhardt, vice-chair; Alex Limpaecher, member; Chip Cornel, member; Paul Holt, member; Benoit Alehault, alternate member; Georgia Neil, volunteer; Chris Palmer, Climate Action Coordinator; Stephanie Rein, Select Board liaison (Benoit, Alex and Paul attended by Zoom)

**Notetaker:** Gebhardt

**Public comment:** None

**Minutes** from 5/21/25 meeting – Approved by unanimous vote 5/5

**Climate Coordinator update:**

- RFP for proposal pending approval by Town Council. Should get approval in a day or two (Stephanie Rein will check) and then will edit and finalize. Will likely add an old land fill (burn dump on South Highland Road) and some roof solar arrays to the RFP proposal. Trying to get things started while the tax rebates still exist. The US Budget bill passed the House and is now in the Senate. As written, the Bill would mean that the solar tax rebates would end 60 days after passage of the bill. To qualify now for the credits there are some caveats: any equipment with Chinese parts would disqualify anyone from credits if (even screws!), The project would have to start construction within 60 days of passing to qualify for credits (means we have to purchase equipment, or pay down 5% the total cost of the project. This would sunset in 2028.

- If the Senate bill passes a similar version, our deadline would be around September to get permits and start the process. We would get a 40-50% tax credit if construction starts now (~\$2-2.5 million saved). Also need a permit for the landfill (process started – but irrelevant to the tax credit). Increase in steel and aluminum taxes/tariffs will increase the cost. If the 2028 deadline stays, there will be a crowding out of people hoarding equipment for these projects. Roof top solar arrays won't require a DFP permit. If they terminate residential tax credits by the end of the year – the folks that think they can get it done quickly, may find that the Eversource connection is too slow. You can get the tax credit, but could be audited if Eversource hasn't you turned it on. The process may be

faster than we think according to the experience of one of our committee members.

- NOW is the probably the best time to add solar in the next 4 years. A good alternative is to go to community solar. Check the website )Benoit sent). Solar Simplified is one of the companies doing this. Electricity rates have gone up 5-10% and expected to go up further. Senate version wants the clock to start on 12/31/25 which is better than 60 days after the bill passes.
- Town has budgeted funds for 2 EVs so we will purchase 2.
- Solar at the school – 20 years old – 2 inverters are not working. Getting the original company to come and look at the inverters (cost ~\$2K)
- Chris spoke with Steve Tucker about our bus shelter issue. We can do a fundraising campaign for bus shelters (Newton was successful). Would be nice to improve the bus schedules, but the shelters are something we can do more easily. Local businesses might want to contribute (advertise). Paul will lead fundraising for that.

**Review draft of Transportation section of Truro Climate Action and Resilience Plan (CARP) (prepared by Alex & Chris):**

- Process to writing the CARP:
  - a. bring in other committees (e.g., bike committee)
  - b. bring in relevant staff to review and point out bugs or issues to consider and help us prioritize the issues
  - c. regionalization – connect with other outer Cape communities. Consider an outer Cape challenge. Compete against each other for energy initiatives.
  - d. Public engagement – meetings to brainstorm (e.g., transportation plan). Consider getting artists to help us develop a vision for 2050. Might help us engage the public. What steps can we take to get to 2050? Need to wait until we have a more formalized plan. Serve food (pizza) to get a larger turnout and more involvement. Community probably agrees with most of what we are suggesting. Some of these are personal choices (riding the bus) which need buy in. Need to get the public excited about this. Break it up into small steps, e.g., reduce carbon by 20% or 20 more houses adding solar. Also allows us to show progress. Get Truro Central School students involved.
  - e. we can work with a subcommittee with Select Board (Stephanie and John Dundas)

f. start working on some initiatives now: More charging stations, conversion of town vehicles to EVs.

### **Discuss Building portions of MA, Cape Cod and select MA town's CAPs.**

- Alex – some towns mixed buildings with resilience (making sure buildings are resilient). Building proposals seemed more straight forward than transportation.
- Truro draft has all the measures that the other towns have. One thing we could add is dashboards to measure progress. Consider moving away from academic to practical plans. Will the plan have high impact versus low impact and easy versus hard implementation. Putting numbers (costs) on things versus status quo (what is the cost of doing nothing). The number of hot days in Truro has increased (seniors can die). Difference between a window AC versus a zone based. Converting to heat pumps has a 10-15 year payback. Need down to earth, practical things with numbers especially on the residential side.
- Beverly-Salem plans – team up with industry when selling solar. Do sample business plans – this is: what it would cost to add solar or heat pumps. Many people don't have any idea what costs are.
- Table (Beverly) to follow change over time.
- Key is to keep it simple. Educate people on EVs, solar and heat pumps. Advocate for things in the city (federal grants).
- Some plans were not plans – just a list of goals. How do you get people to do some of these things? Competition. “Solarize” get households to come together and buy solar panels together at cheaper rates. Can do that with heat pumps. **Kate Coleman** at Cape Cod Light – they have a bunch of free stuff (insulation). Can get rebates for energy efficient dehumidifiers.
- Timelines – goals for 1 year, goals for 3 years
- What does our plan link to? – add links for readers.
- Cape Light coaching in Truro at the Community Center – they will come up (or can do in Yarmouth and Zoom).
- Town has data on what heating systems are in every home.
- Wampanoag/Mashpee – want to generate 100% energy on tribal land.
- Use the trees we cut down on Walsh for other purposes – support carport solar at Community Center
- Encourage people to use Cape Light Compact for energy assessments – have competitions. People don't know why this is “free” - because this is paid for by the high energy costs. Involve CLC in our educational processes

- Remember fireplaces are very inefficient and particulates are bad for the environment. Heating with fireplaces are a giant waste of energy.
- Cape Cod plan is very long and diffuse. Reading's is short and thorough. Used a letter from high school students. Visually vibrant with grafts, timelines and practical guidelines. Showed information in different modes. Mashpee is more of a dream.
- Make it a living document. Need the complete plan and a shorter one for the public.
- Reverse thermometer to monitor progress.

### **Discuss and decide on future library sessions.**

- June 17, 2025 – Fire Safety
- Aquafer education. Show a photo of a hardware store with shelves of toxic materials. Windshield fluid? . What are the actionable items. Need an expert to discuss (Emily has a list).
- Larry Summers is a Truro resident. Ask to speak on climate change and economic impact.
- Rachel Madow?
- Mark Vittman? – food critic – sustainable Cape. (New York times food critic). He did a barbeque night at Pamet Harbor Yacht Club.
- 4 sessions: Transportation, Buildings, Energy and Resilience sessions.
- Indigenous speaker on the how to care for our earth.
- Uses of native plants for medicinal purposes.

### **General updates:** Upcoming June fire presentation at library, Truro Talks articles, etc.

- Saturday, June 7, 2025 from 9-11 AM – pancake breakfast to raise money for the Truro Central School at the Community Center. They will have information on some of the projects the Truro Committees are engaged in.
- Energy and Climate Committees of Cape and Islands meeting tomorrow (June 5, 2025)
- Truro Talks articles: Fire Safety one is coming out soon. Finishing heat pumps and solar. Georgia is doing a GREAT job with these and they are excellent!

### **Decide on tasks and actions for next meeting**

- Mark will introduce the Fire Safety Library session June 17 and Georgia will introduce the speakers.

- Read about the town, MA and Cape plans for Energy for next meeting and come up with ideas based on the reading.
- Read through the transportation info for Chris and Alex wrote and make notes for discussion (will be sent out).

**Adjourn:** 12:00 PM

Respectively submitted,

Mark C. Gebhardt, CAC Vice Chair

Attachments: CAC-Packet:

Truro Climate Action Committee- Minutes Wednesday May 21, 2025, 10:00AM

Town Hall, Type: In-person ( ZOOM provided for [members] who could not attend)

Attendees: In person: Lili Flanders, Chair, Chip Cornell, member; Georgia Neill, Volunteer

Chris Palmer, Climate Action Committee Coordinator.

By Zoom: Mark Gebhardt ( Vice-Chair) Benoit Allehaut, Paul Holt, Alex Limpaecher (Members)

Assigned Note Taker: Chip Cornell

Public Commentary: None

Approve Minutes: From 5/07/25: The minutes were amended to state that Truro as a Climate Leader is preparing a grant application for \$3.5 million for renovations ( HVAC) at

Truro Central School along with other grants totaling \$ 5million. The minutes were then accepted by unanimous vote.

Climate Coordinator Update

1. Charging Smart Program: The funding for this State of Massachusetts program appears to still be available. Truro is planning to take part in this program. This program will provide for additional public charging sites for EV's. Truro is considering ending free charging at the Town Hall chargers.
2. The Town is considering changes to the building code that will make newly constructed houses charger-ready.
3. The RFP for the solar project is ongoing. It has been submitted to the town legal department for review.
4. During this report Benoit Allehaut noted that the US Senate is considering a bill to reduce credits for solar installation. A House version of the bill is debating elimination of residential solar tax credits. Community solar appear to be ok until 2028. This is obviously bad news for any solarization planning. This adds impetus for moving forward quickly with our land fill installation. The tax credits would be

likely scheduled to be lost by end of the calendar year. In Massachusetts, community solar projects are still available and provide an alternative if federal support for residential solar incentives are lost. The Mass Clean Energy website lists the community solar project companies that are available. Unfortunately, the date that is reported to get the Tax Credits is when Eversource approves the installation rather than when the construction is completed. This will delay approval for most residential projects and may jeopardize tax credits

Discussion of Climate Action Plan (CAP): At the 5/7/25 meeting committee members were tasked with reviewing the transportation

sections of the Climate Action Plans for the State of Massachusetts and Cape Cod.

Chris

Palmer was also able to access plans from several communities around the State.

Members reported on their reviews of the transportation plans of various towns to capture

similarities that could inform Truro's climate action plan. Topics that were discussed included:

1. 2. 3. 4. 5. Creating a document that is easy to read and that appeals to the town citizenry. It

was noted that several action plans from the State as well as the Cape were extremely long. Preparing a well written and concise plan that is made appealing by illustrations and tables was agreed upon. Committee Chair Flanders was enthusiastic about Marblehead's plan that begins with a letter to the community from the future, thanking the present community for the efforts they made. Their plan provides for community and citizen invitations to doable actions. Chris Palmer suggested recruiting artists in the [Truro] community to help illustrate the plan to market it and give it broad appeal. It was also recommended that the plan be clear in distinguishing between short and long-term projects. Short-term projects need to be simpler and less costly.

Transportation for Truro will have to address private vehicle usage as well as potential improvements to public transit. In addition, the promotion of alternatives including electric bikes, electric golf carts and bicycles will be needed. It was suggested that the plan should include maps of available bike paths and routes to encourage their use.

In discussing promotion of public transit, it was noted that a key need is making public transit services more visible and appealing. Educating the public about public transportation opportunities and services are needed. Improvements in bus schedules to reduce waiting at stops would be essential. Educating the public as to available options such as the flexibility in getting drivers to divert for pickups that are close to the normal route. Enhance the bus shelters to make them more usable and to serve as sources of information regarding public transportation.

It was agreed that safer bike lanes and walkways are needed. Discussion focused on the challenge of Route 6 as a deterrent to use of bikes or walking. Route 6 is controlled by the State so we can't make changes as a town. However, creating safer lanes and potential cross walks need to be addressed in the action plan.

The plan should encourage the growth of the use of electric vehicles. Addressing common concerns of the public regarding purchase of electric vehicles through educational materials may be helpful. Concern regarding the higher cost of EVs could be dispelled by promoting the cost savings realized by changing from fossil6. 7. fuels and the infrequent maintenance required by EVs. Promotion of programs such as Smart Charging will lead to additional savings by charging at low usage times of the day when electricity rates are less.

Committee member Benoit Allehaut recommended that the action plan be informed regarding The Truro public's perceptions. He is encouraging surveying the public to understand why people do what they do. He would encourage survey of public opinion to determine preferences around transportation. He encourages an in-depth survey to better understand the level of knowledge and perceptions of the town citizens.

Committee Chair Lili Flanders ended the discussion with a summary. The summary included the idea that the Climate Action Plan will benefit from doing a survey to understand community ideas. The committee needs to explore ways to gather information about community ideas regarding climate action and provide an assessment of the level of knowledge of the community regarding the impact of climate change. She also noted the committee needs to find out the barriers to achieving our goals. Our goals are clear but achieving them is the challenge.

General Updates/Next steps

1. 2. 3. 4. 5. 6. Alex and Chris will reformat the climate action plan and finalize a draft of the transportation section.

Chris will work on looping in the Bikes and Walkways committee for their input regarding the CAP .

The committee has discussed the upcoming schedule of meetings. We will continue meeting every 2 weeks.

Next meeting Chris and Alex will present the draft for transportation and we will start to move onto the buildings section, again using the plans from other towns and State. Committee members will review the plans for discussion next meeting.

Cape Light Compact presentation provided excellent information regarding electrifying homes. They presented resources available to the community

Truro Talks regarding fire is coming out and Solar for homes is being worked on.

Next meetings are June 4 and June 25th. July 9th and the 23 of July. Lili will propose those

dates by email. August will be the 6th and 20th. September will the 3rd and 17th

Also: for next meeting we need to plan the Library sessions for July and August. Please bring

ideas for future library sessions to the next meeting.

The meeting ended at 11:56 AM

Action	Details		Lead	Duration	Cost	
<b>Goal: All community members have access to a variety of safe, no and low-carbon transportation choices</b>						
<i>Better Utilize Existing Bus System</i>						
Share information about current services, routes, free Fridays, DART, etc.		Education	CAC	Short	\$	
Hold a "take the bus day", possibly once a month	Many people have no experience taking the bus, and a lack of knowledge can be a deterrent. Things like where the bus stops, how to pay, how to load your bike on the front	Education	CAC	Short	\$	
<i>Improve Bus Service and Infrastructure</i>						
Install and improve Bus Shelters to increase enjoyment of buses, and increase visibility	Add bus shelters throughout Truro. Bus shelters can could improve bus info, electronic display, little free library, food pantry, etc. Ideally hold bus shelter design competition and get artists to build comfortable appealing structures	Capital Improvement	CAC?	Medium	\$\$	
Lobby CCRTA for Improved Service	Best practice is that people don't have to check the schedule before heading to the bus stop. You can just show up and know a bus will be there in the next 10 minutes.	Advocacy	CAC	Long	\$	
Lobby CCRTA for Efficient Bus Services		Advocacy		Long	\$	
Lobby for dedicated bus lanes for improved traffic	Buses are more attractive and efficient when they don't get stuck in the same traffic as personal vehicles.	Advocacy		Long	\$	
Explore microtransit - using smaller vehicles to run the bus routes more frequently		Research		Long	\$	
Explore other forms of transportation	Such as a ferry bus and golf carts	Research		Long	\$\$\$	
<i>Better Bike and Pedestrian Infrastructure</i>						
Install bike lanes and cross walks		Capital Improvement?	B&WC	Medium	\$\$	
Install Bike Racks and Fix it stations		Capital Improvement	B&WC	Medium	\$\$	
Join Complete Streets program		Town Policy	B&WC	Short	\$	
Hold bike oriented events	Including testing an e-bike, "bike days" where certain roads closed to cars, bike tours in Truro, group bike rides to Provincetown/Wellfleet	Education	CAC	Short	\$	
Expand Bike Sharing to Truro		Education				
Share info on ebike credits/incentives		Education	CAC	Short	\$	
Create Incentives for e bikes		Town Policy	CAC	Medium	\$\$	
Provide maps of bike routes, racks, fix-it stations, etc.		Education	B&WC/CAC	Short	\$	



Work with local businesses and employers to incentivise bike riding	Such as a "get a discounted drink if you biked here today!"	Advocacy	CAC	Short	\$	
<b>Goal: EV adoption will reach 17% by 2030 and be nearly complete by 2050.</b>						
<i>Increase EV Charging Infrastructure</i>						
Increase public charging stations		Capital Improvement	EC	Medium	\$\$	
Advocate to Truro business to install charging stations		Advocacy	CAC	Medium	\$	
Increase residential charging through building codes/electrician incentives	(Note, I think the building code is in place)	Town Policy	EC	Short	\$	
Education residents about charging rebates (if and when available)		Education	CAC	Short	\$	
Educate Residents about Benefits of Smart Charging		Education	CAC	Short	\$	
Join Charging Smart and become Bronze/Silver/Gold Community		Town Policy	CAC/EC	Medium	\$	
<i>Increase Electrical Vehicle Adoption</i>						
Public education about rebates, incentives, benefits	Possibly EV coaching, based on Cape Light Compact Energy Coaching	Education	CAC	Short	\$	
Electrify commercial vehicles, e.g. delivery trucks		Advocacy	CAC	Medium	\$	
Create incentives for EV ownership such as discounted stickers	Note: equity concerns	Town Policy	CAC	Short	\$\$	
<b>Goal:Truro's municipal fleets reaches 50% zev adoption by 2030 and full adoption by 2050</b>						
Electrify municipal fleet, inc. school buses, through capital planning, and grant applications		Capital Improvement	EC	Medium	\$\$\$	
<b>Goal: Reduce greenhouse gases emitted from transportation</b>						
<i>Improve ability to remote work in Truro</i>						
Improve broadband so more people can work remotely		Advocacy	CAC	Medium	\$\$	
Provide spaces in town for people to co-work, e.g. library, community center, a space in downtown Truro		Capital Improvement?	CAC	Medium	\$\$	
<i>More housing and services in Truro</i>						

	Increase affordable housing in Truro, so workers do not need to drive from distant towns		Town Policy	?	Medium	\$\$	
	More services and shops in Truro so residents don't have to travel to other towns		Advocacy/Town Policy	?	Long	\$\$	
<b>Increase carsharing and carpooling</b>							
	Explore the possibility of residents carsharing	Where a community has a pool of shared (electric) cars that people can use whenever they need. Most cars are not used xx% (a high percent) of the time. Cost to buy EV is high, but to buy 1/10th of a shared car is low.	Research/Educate	CAC	Medium	\$	
	Explore Carpooling	Due to the geography of the Outer Cape, most cars are heading in the same directions, north or south. Most cars also only have one person in them. Explore how to increase carpooling, where more people get rides in the same car. <a href="https://groupcarpool.com/">https://groupcarpool.com/</a> is one tool to help.	Research/Educate	CAC	Medium	\$	
	Explore how to reduce car use by vacationers and second home travel	Explore specific challenges and opportunities that are faced by vacationers and part time residents. Solutions include: encouraging carsharing, so people can leave the car at home and take the bus/ferry here and have a car to use	Research	CAC	Short	\$	
	Explore carbon footprint of ferries/planes/buses and cars		Research	CAC	Short	\$	
	Pass or enforce anti-idling laws	Not sure if we have these laws, look into it. Also not sure if idling emissions are significant.	Advocacy/Town Policy	?	Medium	\$	
	Explore if our current parking space requirements for buildings can be reduced incentivize personal car use less		Research/Town Policy	?	Short	\$	

## Building Climate Action Plans

- [Massachusetts Clean Energy and Climate Action Plan for 2025 and 2030](#)
- [Cape Cod Commission Climate Action Plan](#)
- [Folder with about 20 MA town/city Climate Action Plans](#) – pick any one (or more) that you like!
- [Truro draft Climate Action Plan](#)

## **Energy Climate Action Plans**

Please read the energy section of the following plans

- [Massachusetts Clean Energy and Climate Action Plan for 2025 and 2030](#)
- [Cape Cod Commission Climate Action Plan](#)
- [Folder with about 20 MA town/city Climate Action Plans](#) – pick any one (or more) that you like!
- [Truro draft Climate Action Plan](#)

Increase Public Transportation Use							
<i>Better Utilize Existing Bus System</i>							
	Share information about current services, routes, free Fridays, DART, etc.	Many people have no experience taking the bus, and a lack of knowledge can be a deterrent. When and where the bus stops, how to pay, when it is free, how DART works, etc.	Education	CAC	Short	\$	
	Hold a "take the bus day", possibly once a month	Many people have never taken the bus, and this can encourage people and educate them on things like where the bus stops, how to pay, how to load your bike on the front	Education	CAC	Short	\$	
<i>Improve Bus Service and Infrastructure</i>							
	Install and Improve Bus Shelters to increase enjoyment of buses, and increase visibility	Add bus shelters throughout Truro. Bus shelters can could improve bus info, electronic display, little free library, food pantry, etc. Ideally hold bus shelter design competition and get artists to build comfortable appealing structures	Capital Improvement	CAC?	Medium	\$\$	
	Lobby CCRTA for Improved Service	Best practice is that people don't have to check the schedule before heading to the bus stop. You can just show up and know a bus will be there in the next 10 minutes.	Advocacy	CAC	Long	\$	
	Lobby CCRTA to Electrify Bus Services	This task supports advocacy for electrifying regional bus fleets, helping reduce emissions, lower fuel costs, and advance long-term climate and energy goals.	Advocacy		Long	\$	
	Lobby for dedicated bus lanes for improved traffic	Buses are more attractive and efficient when they don't get stuck in the same traffic as personal vehicles.	Advocacy		Long	\$	
	Explore microtransit - using smaller vehicles to run the bus routes more frequently	During off-peak times like winter or mid-day hours, using smaller electric buses or minivans can better match rider demand while conserving energy.	Research		Long	\$	
	Explore other forms of transportation	Such as a ferry bus and golf carts	Research		Long	\$\$\$	
Increase Active/Alternative Mobility (e.g. walking, biking)							
<i>Better Bike and Pedestrian Infrastructure</i>							
	Install bike lanes and cross walks		Capital Improvement?	B&WC	Medium	\$\$	
	Install bike racks and Fix it stations		Capital Improvement	B&WC	Medium	\$\$	
	Join Complete Streets program	Complete Streets is a policy that makes roads safer and more accessible for all users—walkers, bikers, drivers, and transit riders. For Truro, it could mean adding sidewalks, bike lanes, and safer crossings to improve safety, support local businesses, and handle seasonal traffic more effectively.	Town Policy	B&WC	Short	\$	
	Hold bike oriented events	Including testing an e-bike, "bike days" where certain roads closed to cars, bike tours in Truro, group bike rides to Provincetown/Wellfleet	Education	CAC	Short	\$	
	Expand Bike Sharing to Truro	Where you can borrow/rent bikes for short periods of time from high traffic locations	Education				
	Share info on e-bike credits/incentives	Educate people on existing state and federal incentives	Education	CAC	Short	\$	
	Create Incentives for e-bikes	Fill the gap where incentives do not exist	Town Policy	CAC	Medium	\$\$	

	Provide maps of bike routes, racks, fix-it stations, etc.		Education	B&WC/CAC	Short	\$	
	Work with local businesses and employers to incentivize bike riding	Such as a "get a discounted drink if you biked here today!"	Advocacy	CAC	Short	\$	
<b>Increase Electric Vehicles (EV) &amp; EV Infrastructure</b>							
<i>Increase EV Charging Infrastructure</i>							
	Increase public charging stations	To support electric vehicle adoption in our community, we plan to expand our EV charging infrastructure. According to the decarbonization roadmap, the next stations are planned to be at the following locations: Town Hall (already built), Public Library (two stations), Community Center (two stations), and Beach Office (one station).	Capital Improvement	EC	Medium	\$\$	
	Advocate to Truro business to install charging stations	And support where possible	Advocacy	CAC	Medium	\$	
	Increase residential charging through building codes/electrician incentives	Note - understand better what specialized building code says about this	Town Policy	EC	Short	\$	
	Education residents about charging rebates (if and when available)		Education	CAC	Short	\$	
	Educate Residents about Benefits of Smart Charging	Smart charging in Massachusetts lets electric vehicles charge during off-peak times or when renewable energy is plentiful by coordinating with utilities and smart chargers. This helps residents save money through incentives and rebates offered by programs like National Grid's Charge Smart MA. It also reduces stress on the electric grid and lowers emissions, supporting a cleaner and more reliable energy system.	Education	CAC	Short	\$	
	Join Charging Smart and become Bronze/Silver/Gold Community	The free Charging Smart program helps towns streamline EV charger installation through improved zoning, permitting, and planning. For Truro, joining could mean easier EV infrastructure development, access to technical support, and national recognition at the Bronze, Silver, or Gold level. It also supports local goals like reducing emissions and boosting economic development through clean transportation.	Town Policy	CAC/EC	Medium	\$	
<i>Increase Electrical Vehicle Adoption</i>							
	Public education about rebates, incentives, benefits	Possibly EV coaching, based on Cape Light Compact Energy Coaching	Education	CAC	Short	\$	
	Electrify commercial vehicles, e.g. delivery trucks	Research what other towns have done here	Advocacy	CAC	Medium	\$	
	Create incentives for EV ownership such as discounted stickers	Note: equity concerns	Town Policy	CAC	Short	\$\$	
<i>Transition Municipal Fleet to EVs</i>							

	Electrify municipal fleet, inc. school buses, through capital planning, and grant applications	Truro's 45-vehicle municipal fleet generated 276.0 metric tons of CO2 equivalent emissions in FY22 and presents a major opportunity for emissions reduction through electrification. The town has established a phased decarbonization roadmap starting with 10% zero-emission vehicle adoption by 2027, increasing to 50% by 2030, 80% by 2040, and complete fleet electrification by 2050 - [read more about the decarbonization roadmap].	Capital Improvement	EC	Medium	\$\$\$	
	Ensure compliance with Truro's Zero Emission Vehicle First policy	The Town of Truro's Zero Emission Vehicle First Policy prioritizes electric vehicles for all municipal fleet acquisitions, followed by plug-in hybrids and hybrid vehicles to reduce greenhouse gas emissions and energy costs. The policy requires annual inventory management and establishes procurement standards that must follow EPA fuel efficiency ratings when zero emission options don't meet operational needs. Read more at: <a href="https://www.truro-ma.gov/sites/g/files/vyhli9766f/uploads/policy_46_revised_fuel_efficient_vehicle_policy_june_25_2024_0.pdf">https://www.truro-ma.gov/sites/g/files/vyhli9766f/uploads/policy_46_revised_fuel_efficient_vehicle_policy_june_25_2024_0.pdf</a>	Town Policy	EC	Medium	\$\$	
<b>Reduce need for travel</b>							
<i>Improve ability to remote work in Truro</i>							
	Improve broadband so more people can work remotely		Advocacy	Cable and Intern	Medium	\$\$	
	Provide spaces in town for people to co-work, e.g. library, community center, a space in downtown Truro	Just and idea at this point	Capital Improvement?	CAC	Medium	\$\$	
<i>More housing and services in Truro</i>							
	Increase affordable housing in Truro, so workers do not need to drive from distant towns		Town Policy	?	Medium	\$\$	
	More services and shops in Truro so residents don't have to travel to other towns		Advocacy/Town Policy	?	Long	\$\$	
<b>Other transportation strategies</b>							
	Explore the possibility of residents carsharing	Where a community has a pool of shared (electric) cars that people can use whenever they need. Most cars are not used xx% (a high percent) of the time. Cost to buy EV is high, but to buy 1/10th of a shared car is low.	Research/Educate	CAC	Medium	\$	
	Explore Carpooling	Due to the geography of the Outer Cape, most cars are heading in the same directions, north or south. Most cars also only have one person in them. Explore how to increase carpooling, where more people get rides in the same car. <a href="https://groupcarpool.com/">https://groupcarpool.com/</a> is one tool to help.	Research/Educate	CAC	Medium	\$	
	Explore how to reduce car use by vacationers and second home travel	Explore specific challenges and opportunities that are faced by vacationers and part time residents. Solutions include: encouraging carsharing, so people can leave the car at home and take the bus/ferry here and have a car to use	Research	CAC	Short	\$	
	Explore carbon footprint of ferries/planes/buses and cars	Buses are clearly lower carbon than cars, but situation might be less clear with the fast ferry or small plane	Research	CAC	Short	\$	

	Pass or enforce anti-idling laws	Not sure if we have these laws, look into it. Also not sure if idling emissions are significant.	Advocacy/Town Policy ?		Medium	\$	
	Explore if our current parking space requirements for buildings can be reduced incentivize personal car use less		Research/Town Policy ?		Short	\$	

	Action	Details		Lead	Duration	Cost	
<b>New Buildings</b>							
<i>Specialized Building Code</i>							
	Ensure code compliance	Code needs to be enforced to be effective. Ensure we have capacity in terms of building inspectors, etc.	Education	CAC	Short	\$	
	Look for improvements and updates to improve on the code	E.g. new buildings must be net zero	Policy				
<b>Municipal Buildings</b>							
<i>Follow decarbonization roadmap</i>							
	Follow decarbonization roadmap	The <a href="#">Truro Municipal Decarbonization Roadmap</a> lays out a timeline to decarbonize all public buildings by 2050	Capital Improvement	EC	Long	\$\$\$	
	Align building retrofits with capital improvement plan.	This reduces the cost of retrofits by aligning them when existing improvements are required.	Capital Improvement	EC	Short	\$	
	Grants and capital expenditures	Search for grants, cost-savings, and capital planning to fund decarbonization					
	Net Zero new buildings policy	Pass policy that ensures new town buildings be built to the highest standards - Note - is this necessary?	Policy				
<b>Existing Buildings</b>							
<i>Energy efficiency (building envelope) improvements</i>							
	Encourage participation in Cape Light Compact offerings	See below	Education	CAC	Short	\$	
	Education people about the benefits and existing rebates available.	These include: insulation, heat pumps, efficient appliances, heat interest loans, tax credits for energy efficiency, and solar water heaters.	Education	CAC	Short	\$	
<i>Electrify heating, ground (geothermal) or air source heat pumps</i>							
	HeatSmart campaign	Solarize but for heat pumps. Means we get a large group of local residents to get heat pumps at the same time, and bulk procure those services to provide a 10-20% discount for everyone	Education	CAC	Short	\$	
	Outer Cape Climate Challenge	Hold a competition between the Outer Cape towns to see who can get the most: a) CLC sign ups, b) HeatSmart sign ups, c) new heat pumps, etc.	Education	CAC	Medium	\$	
	Create heating system database	The Town has this data, and utilizing it will help us target those most likely to benefit from heat pump transition, e.g. low income folks with electric resistance heating	Encouragement	CAC	Short	\$	
<i>Increase uptake of Cape Light Compact / Mass Save programs</i>							
	Build up local volunteer team of 'energy coaches'	These trusted neighbors can offer more informal advice on CLC programs and anecdotal experience to encourage Truroites to take advantage of CLC offerings	Education	CAC	Short	\$	
	House parties / climate cafes to encourage sign ups	The best way to encourage CLC sign ups is for them to hear it from a trusted friend, neighbor, or community member	Education	CAC	Short	\$	
	Create map of people who can share their experiences	Possible way for us to match up 'local energy coaches' or just people with good experiences of CLC, with possible CLC customers	Education	CAC	Short	\$	



	Energy Coaching office hours in Truro	CLC Energy Coach has indicated a willingness to travel to Truro to host office hours here, if we can provide a group of people to take advantage. Otherwise coaching sessions are via Zoom or in-person in Yarmouth	Education	CAC	Short	\$	
	Gamification or incentives - or offer local business rewards for taking part, e.g. free glass of wine for doing an Energy Coaching session	Incentivize CLC participation throughout creative measures	Education	CAC	Short	\$	
<b>Other Building Strategies</b>							
<i>Other Building Strategies</i>							
	Advocate real estate agents promote energy efficiency when selling houses						
	Home MPG rating, Energy Star rating for homes, at time of sale						
	Local incentives for LEED or equivalent green building standards	e.g. Possible incentives can include permitting time incentives; density incentives; tax credits; permitting fee incentives.					
	Outer Cape green building annual awards						
	Land Use and Zoning	Use the comprehensive plan and zoning ordinance to support initiatives and regulations that promote reduced GHG emissions in housing and non-residential buildings.					
<b>Metrics</b>							
	Track CLC engagement - home assessments, energy coaching sessions, installs						
	Heat pumps installed - building/assessor's have data on this						
	Municipal building carbon emissions						

	Action	Details		Lead	Duration	Cost	
<b>Goal: Increase Renewable Energy Generation</b>							
<i>Solar</i>							
	Residential	Solarize!					
	Municipal	Every available roof, parking lot, and ground area					
	Commercial	Encourage commercial buildings to get solar					
<i>Wind</i>							
	Onshore	Explore feasibility					
	Offshore	Do we have any input into this anyway?					
<b>Goal: Increase Energy Storage</b>							
<i>Municipal storage</i>							
	Explore adding storage to solar landfill and other sites						
<i>Commercial storage</i>							
	Work with Eversource to install mini-BESS in Truro						
<i>Residential storage</i>							
	Educate and promote home energy storage						
	Smart charging for cars	EV batteries act as energy storage					
<b>Goal: Renewable Energy Supply</b>							
<i>Cape Light Compact power supply</i>							
	Encourage Truro residents to switch to CLC all renewable supply						
<i>Community Solar subscription</i>							
	Encourage Truro residents to subscribe to community solar	Gives a 10-20% discount on bills					
<i>Other renewable energy procurement</i>							
<b>Goal: Resilient Electricity</b>							
<i>Develop renewable microgrids</i>							
	Library/Community Center microgrid	Part of Resilience Hub development, and used for emergency shelter and power supply					
	School microgrid	Part of Resilience Hub development, and used for emergency shelter and power supply					
	Other microgrids	Explore other locations and uses, included a multi-building up to town-wide microgrid					