

# ENERGY COMMITTEES OF THE CAPE & ISLANDS (ECCI)

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## NOTES from ECCI MEETING of 7.22.21

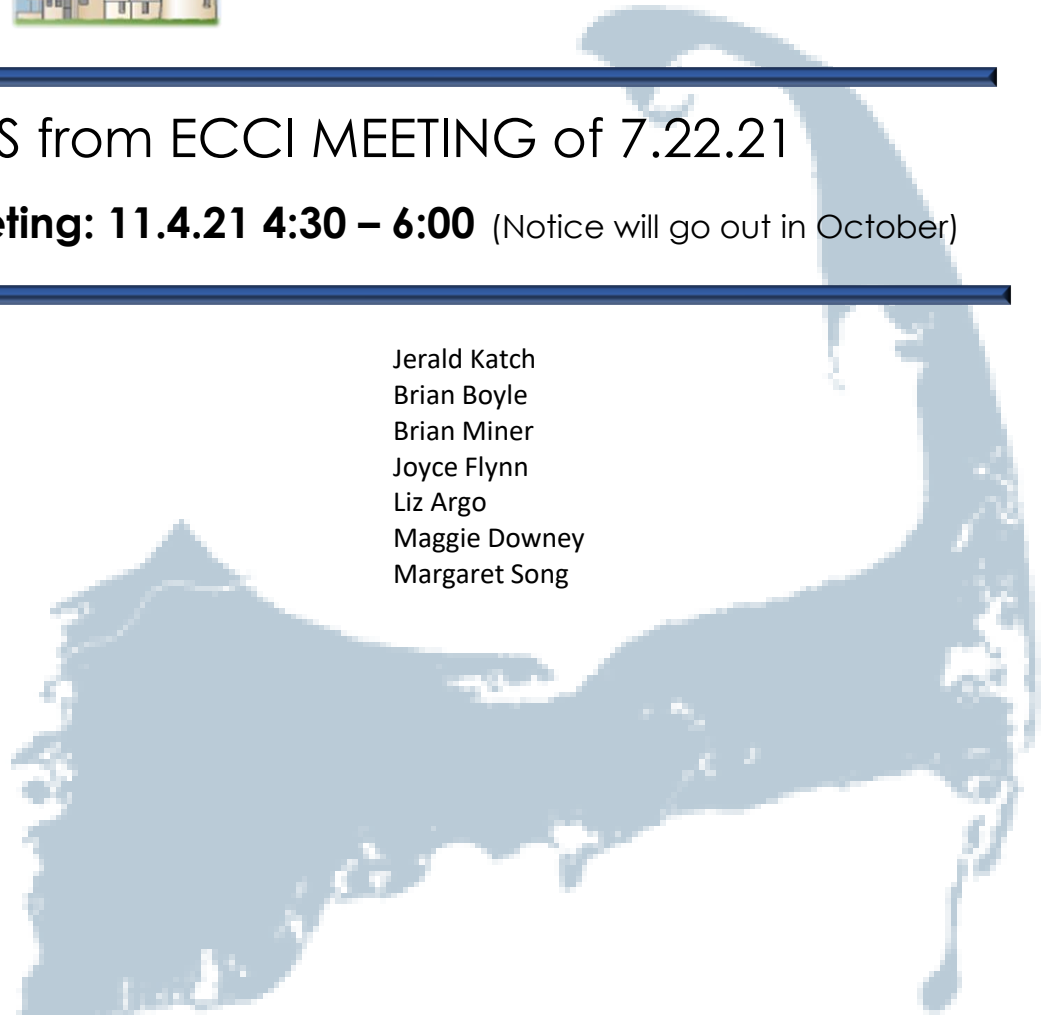
**Next ECCI Meeting: 11.4.21 4:30 – 6:00** (Notice will go out in October)

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ATTENDEES:

Dick Elkin  
Cheryl Keown  
Bob Higgins-Steele  
Mark Farber  
Geoff Freeman  
Sandra Cashen  
John Boyle  
Jeff Tash  
Jacqueline Pentz  
Suzanne Ryan  
Mike Duffy  
Janice Marks  
Caitlin Cantella  
Lydia Hamnquist  
Carol Magenau  
Paul Cass  
Alan Strahler  
Bob Wirtshafter  
Eleanor Ling  
Robert Palmieri  
Michael Jacobs  
Charlie & Linda (?)  
Susan Starkey  
Michele White  
Heather McElroy  
Marilyn Holle  
CLG new Ipad (?)  
Lilli Anne Greene

Jerald Katch  
Brian Boyle  
Brian Miner  
Joyce Flynn  
Liz Argo  
Maggie Downey  
Margaret Song



The notes are informal and we welcome any corrections and questions. Please send any to [lizargoconsulting@gmail.com](mailto:lizargoconsulting@gmail.com)

#### PROCEEDING NOTES:

The meeting was recorded and it is available here: Meeting Recording:

<https://us02web.zoom.us/rec/share/wCdPNGOqVtioGc5c8GHffdrXrSc9xB2KrUvb3ujXGmizMdYoo9DAFoQW7hGXQuY1.zwnD2wzaKJNhlA98>

Access Passcode: l.4%yKx=

- Liz Argo ([lizargoconsulting@gmail.com](mailto:lizargoconsulting@gmail.com)) introduced herself as the 2013 – 2021 Executive Director of the Cape & Vineyard Electric Cooperative (CVEC was the original sponsor of ECCI) and noted her earlier experience from 2005 – 2013 as a solar and wind installation specialist for companies based in RI and Massachusetts.
- Liz then relayed the history of the bi-annual ECCI meetings, initiated in 2017 through the sponsorship of CVEC, CLC and CCCCC. She showed a 2019 chart produced as a result of the ECCI meetings and collected surveys, presenting all participating towns' progress towards Green Communities designation, PV penetration at the municipal level, adoption of the Climate Emergency article, PV & EV adoption, etc.
- Liz then noted the results of the special ECCI meeting held in December 2020 which included towns' Climate Action groups as well as Energy Committees and various resource Climate action groups in the region, as well as further town surveys. The result, "2020 Survey Results from Cape & Island Organizations & Stakeholders Working on Energy & Climate Related Issues", is available on the Cape Cod Climate Change Collaborative using the link <https://capecodclimate.org/2020-survey-on-cape-vineyard-energy-climate-activities/>. She showed several pages and noted the valuable answers and links provided in response to attendees' questions.
- Margaret Song, Cape Light Compact's COMMERCIAL & INDUSTRIAL PROGRAM MANAGER, was then introduced to give an update on electric vehicle grants and incentives. Both opportunities for residents and municipalities exist. ADD LINKS
- Maggie Downey, Cape Light Compact's Administrator, followed with an update from the Compact. (Maggie ADD). Maggie closed, noting that the Cape & Vineyard Electric Cooperative Board is determining the level of CVEC's participation in ECCI at their next meeting.
- Susan Starkey, representing the Cape Cod Climate Change Collaborative, then gave the Collaborative's update. This year's CCCCC Net Zero conference will be held on October 29. It will be remote so all interested parties are encouraged to attend. Go to <https://netzerocapecod.org/> for more info and to register.
- Heather McElroy, the Cape Cod Commission's Natural Resources Program Manager, gave the Commission's update noting that the Commission's Climate Action Plan is to be released in the next months. The draft version is available here: <https://www.capecodcommission.org/our-work/climate-action-plan>
- Next, prior to the individual town reports, a plea was made by Alan Strahler of Edgartown that the delays in PV installation due to Eversource's Group & Cluster Studies be addressed to see if something could be done. Liz Argo noted that the delays are a problem across Massachusetts and not specific to Eversource or Cape Cod. She also noted that the Mass Department of Public Utilities has a docket open that is meant to look into and take necessary actions to remedy unreasonable delays. The town representatives for the Energy Committees then gave their updates (please reference the survey compilation at the end of these notes for specific town details as the updates were specific to news).

- CHILMARK
  - Jed Katch
    - Jed introduced himself as a recently appointed member of the Chilmark Energy Committee.
    - Chilmark is working towards several new public facilities that will feature energy efficiency and solar.
- TRURO
  - Mark Farber as Rep for Truro Energy Committee:
    - Truro has bought more net metering credits than the Town can absorb and seeks a public entity oftaker.
    - The installation on the landfill awaits interconnection by Eversource.
    - Work on the town building code is underway.
  - Bob Higgins Steele as Rep for Truro Climate Action Committee:
    - Truro is working on its Greenhouse Gas Inventory with the Cape Cod Commission.
    - Also working on a Climate Action Plan for town adoption.
    - Truro is working with Wellfleet on an additional Solarize Plus program to be rolled out on the Upper Cape
    - The Climate Committee is proposing Climate Action language for Town adoption to ensure town efforts and activities all address climate change:

"The Town recognizes that truly effective climate leadership will require the integration of **climate change mitigation and adaptation** into daily operations, decision- making, and planning of our municipality. The Town government is committed to taking the lead on implementation of this Plan and integration of **climate change mitigation and adaptation** throughout and will focus on three specific areas to achieve this:

Governance

Integrate **climate change mitigation and adaptation** goals, metrics, and evaluation criteria into Town planning, including staff and department evaluations and budgeting.

Education

Work with educators, parents, students, the School Department, and the State to bring climate education curricula into schools and student activities.

Social Resilience

Prepare businesses and residents for the impacts of climate change through education and climate preparedness planning."

- EDGARTOWN:
  - Alan Strahler as Rep for Energy Committee:
    - Town has passed the stretch code.
    - Town has an energy reduction plan.
    - Town proposes that there is 100% EV adoption by 2040.
    - Edgartown is host to an induction charger on behalf of the Martha's Vineyard Transit Authority (MVT). MVT has goal of being fully electric by 2027.
    - Town is working on getting Green Communities.
    - There is a Request for Proposals posted by the town for the lease of its landfill for solar.
- WELLFLEET:
  - Dick Elkin as Rep for Energy Committee:

- Wellfleet is working towards another Solarize with the expansion to push for energy efficiency uptake and heat pump adoption. Hopes to include Orleans residents this round.
- The proposed solar on the landfill awaits the resolution of a land court case in order to interconnect.
- Wellfleet has adopted a Climate Emergency Plan with a modification that directs town committees and selectboard to work towards the Plan's stated goals.
- Wellfleet is a participant in the Mayor's ICLEI Greenhouse Gas inventory system.
- Suzanne Ryan as Wellfleet Rep for Climate Committee:
  - Suzanne reported that the town is working with the Cape Light Compact to get a REPA grant that will support the development of a Climate Adaptation Plan.
- ORLEANS:
  - Paul Cass as Rep for Energy Committee:
    - Orleans has achieved Green Communities status.
    - Paul had questions on net metering (NMC) and was encouraged to reach out to the Cape & Vineyard Electric Cooperative to understand the process of selling and buying excess NMC through the Cooperative.
- WEST TISBURY:
  - Geoff Freeman as Rep for Energy Committee:
    - W. Tisbury has been awarded a CLEAR grant to achieve resiliency for town buildings. The technical implementation study is close to completion.
    - Town is hoping to pass code requirement for 100% net zero provision for any new construction.
  - Geoff Freeman as Manager of Martha's Vineyard Airport:
    - Geoff reported that the Airport is working with CVEC on several PV projects.
    - Airport is in negotiations to procure with BETA of Vermont for a self-sufficient eVTOL aircraft ecosystem. Geoff noted that Nantucket Airport is also looking at BETA.
    - Geoff noted that the Airport is the host for the home for the MVT electric buses and induction chargers.
- BOURNE:
  - Janice Marks as Rep for Energy Committee:
    - Bourne is working to adopt the Stretch Code.
    - Towards that end, the team includes builders to understand the challenge of adoption. The plan is to have the stretch code on the next town meeting warrant.
- CHATHAM:
  - Bob Wirtshafter as Rep for both Energy and Climate Committees:
    - Bob reported that the Committees are soon to be combined and become the Energy and Climate Action Committee.
    - The town passed the Climate Emergency Article.
    - Also adopted the article to make any future town auto purchases EV.
    - Also adopted the article that all future buildings must have a net zero analysis.
    - Committee is working on a Net Zero Plan for the town's adoption.

- The Committees have produced several webinars on addressing climate change. They can be found here: <https://capecodclimate.org/chatham-can/>
- YARMOUTH:
  - Joyce Flynn as Rep for Energy Committee:
    - Joyce reported on the town’s Solarize Plus Initiative.
    - She noted that the Old King’s Highway Committees (OKH) in the town are creating difficulty with solar adoption. There is an effort underway to remove OKH purview through town meeting vote.
    - The energy committee proposes 100% EV adoption by 2025; increase use of renewables by 20% by 2025, reduce energy consumption within Yarmouth by 20% by 2025.
    - Yarmouth has charted the types of heating used by all residences in the town.
    - Yarmouth has a volunteer group, the Climate Action Network.
- FALMOUTH:
  - Eleanor Ling as Rep for Falmouth Energy Committee:
    - Falmouth gained Green Communities status this year.
    - Citizen Energy has completed installation of PV on the town’s landfill. It provides community solar with 50% savings on electric bills through “Joe for Sun”.
    - A private developer proposes to install up to 22 Megawatts (and storage) on the town’s golf course. The Committee recommended mitigation be required to offset clearing and the developer has agreed to mitigation. The project will be reviewed by the cape Cod Commission.
    - The Committee is now publishing regularly in the newspaper to educate residents on energy matters.
    - The town passed a Climate Emergency Article and is now working on setting Net Zero goals.

SURVEY COMPILATION (See multiple tables for compiled responding towns):

TABLE 1

Goals	Aquinnah	Brewster	Barnstable	Bourne	Chatham
Is MEI used?	yes	yes	no	yes, just started	yes
Energy Assessments preformed on all Town facilities?	yes	ongoing	yes, mostly	in process	in process, primaries complete
Adopted Stretch Code?	yes	yes	no	no, but planning to do so	yes
Adopted as-of-right siting for renewable facilities?	yes	yes	yes	yes	yes
Energy Reduction Plan Adopted?	In progress	working	no	under development	no, in process oct 2019

Green Community designation?	yes	working to dec 2019	no	no. but working towards designation	no, in process oct 2019
Fleet includes EVs?	Yes (hybrid police cruiser)	no	2 or 3	N/A	yes
Public charging station(s) available?	yes	no	yes		no
Level 2 or 3?	2		FD	Levl 2 municipally owned	
Town pays charges?	yes		FD	Yes, town pays charges	
Town buildings converted from oil and propane to electric heat pumps?	In progress	no	no	N/A (no oil or propane)	no
Town benefits from renewable energy?	yes	yes	yes		yes
Number of kW installed (including shared or purchased NMC from other source)?	50kWDC	1,300+ kW	8 MW		2+MW, 5 roof arrays + offtaker agreement
Is there room in towns' energy usage for more NMC?					
Emergency facilities have battery backup?	In progress	no, back up generators	no	No	yes, at public safety
Town has sponsored a Solarize program for residents?				Yes	
Town has adopted Climate Emergency Article?	yes (100% renewable goal)			yes, Climate Resolution 2020	
Town has set goal of 50% renewable electricity by 2030	yes				
Town has set goal of 100% renewable electricity by 2040	yes				

TABLE 2

Goals	Chilmark	Dennis	Edgartown	Falmouth	Harwich
Is MEI used?	yes	yes	yes	yes	yes
Energy Assessments performed on all Town facilities?	partial	95% done	yes	yes	yes
Adopted Stretch Code?	yes	yes	yes	no	yes
Adopted as-of-right siting for renewable facilities?	yes	yes	yes	yes	yes
Energy Reduction Plan Adopted?	under development	expected aug/sep	no	yes, needs update	yes
Green Community designation?	yes	submission expected oct	no	no, not yet	yes
Fleet includes EVs?	none, fleet too small	not yet	no	no, not yet, new policy	yes
Public charging station(s) available?	grant funding applied for	not yet, but have plan to	yes	yes	no
Level 2 or 3?	level 3	Town Hall has conduit and COA will soon	4 Level 2 spaces appropriated not installed	level 2	
Town pays charges?	user pays, when installed		no	yes	
Town buildings converted from oil and propane to electric heat pumps?	in process	no	Partial displacement of oil and propane with ASHP	yes	no
Town benefits from renewable energy?		yes	yes	yes	yes
Number of kW installed (including shared or purchased NMC from other source)?	100kW, 100% municipal load	6+ MW, plus police and schools	not sure, 2 solar farms	2+MW	5MW
Is there room in towns' energy usage for more NMC?					
Emergency facilities have battery backup?	none, fleet too small	no	no	no	no

Town has sponsored a Solarize program for residents?					
Town has adopted Climate Emergency Article?	yes, 100% renewable MV		yes		
Town has set goal of 50% renewable electricity by 2030	yes		yes		
Town has set goal of 100% renewable electricity by 2040	yes		yes		

TABLE 3

Goals	Marion	Mashpee	Oak Bluffs	Sandwich
Is MEI used?	yes, update in progress	Yes	no	voted in 2019 at town meeting
Energy Assessments performed on all Town facilities?	yes	Yes	bot recently	not sure
Adopted Stretch Code?	yes	Yes	no	no
Adopted as-of-right siting for renewable facilities?	YES	Yes	no	no
Energy Reduction Plan Adopted?	yes		no	no
Green Community designation?	yes	Yes	no	no
Fleet includes EVs?	yes, leasing 4 plug in hybrids	Yes	yes	no
Public charging station(s) available?	yes, 5 stations	Yes	yes	no
Level 2 or 3?	level 2	2	yes	no
Town pays charges?	yes	Yes for municipally-owned	yes	no
Town buildings converted from oil and propane to electric heat pumps?	no, most are NG	N/A (no oil or propane)	some	no
Town benefits from renewable energy?	yes	Yes	yes	Police station only



Number of kW installed (including shared or purchased NMC from other source)?	100% town facility is electricity is renewable	2.2± MW (additional proposed through CVEC)		217,211 kW/year
Is there room in towns' energy usage for more NMC?				
Emergency facilities have battery backup?	no	No	actively exploring	no
Town has sponsored a Solarize program for residents?		No		
Town has adopted Climate Emergency Article?		No		no
Town has set goal of 50% renewable electricity by 2030		No		
Town has set goal of 100% renewable electricity by 2040		No		

TABLE 4

Goals	Truro	Wellfleet	West Tisbury
Is MEI used?	Yes	Yes	yes, update in progress
Energy Assessments performed on all Town facilities?	Yes - School, Safety Facility, Library Summer 2021	Yes	yes
Adopted Stretch Code?	Yes, 2011	Yes	yes
Adopted as-of-right siting for renewable facilities?	yes	Yes	yes
Energy Reduction Plan Adopted?	yes	Yes	yes
Green Community designation?	Yes	Yes	yes
Fleet includes EVs?	NO	No	yes
Public charging station(s) available?	yes		yes, 2 on town property
Level 2 or 3?	One Level 2	Level 2 publicly available	yes

Town pays charges?	No	Customer Pays SemaConnect network, Plugshare.	yes
Town buildings converted from oil and propane to electric heat pumps?	All buildings on propane except DPW, & HPumps	no	some
Town benefits from renewable energy?	yes more than 100% off cape solar farm	Yes	yes
Number of kW installed (including shared or purchased NMC from other source)?	28 KW school & off cape solar farm	1.4MWH	100% town facility is electricity is renewable
Is there room in towns' energy usage for more NMC?			
Emergency facilities have battery backup?	No, all buildings have Generators	No	no
Town has sponsored a Solarize program for residents?	Yes	Yes	
Town has adopted Climate Emergency Article?	yes more than 100% off cape solar farm	Yes	
Town has set goal of 50% renewable electricity by 2030		50% greenhouse gas reduction 2030. Net Zero greenhouse gas by 2050	yes
Town has set goal of 100% renewable electricity by 2040			yes

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# DEFINITIONS

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Although every effort has been made to provide complete and accurate information, the Cape & Vineyard Electric Cooperative and its agents make no warranties, express or implied, or representations as to the accuracy of content in this document. The Cape & Vineyard Electric Cooperative and its agents assume no liability or responsibility for any error or omissions in the information contained herein.

**Behind the Meter:** A **Behind the Meter** (BTM) photovoltaic (PV) or wind turbine is a renewable energy generating facility that produces power intended for on-site use in a home, office building, or other commercial facility. (See the definition of Stand Alone for installations that do not directly feed energy to a facility).

**BESS:** A **BESS** is a Battery Energy Storage System. As part of a recent rate case, the Department of Public Utilities approved a plan by Eversource Energy to build two energy storage facilities: one on the Outer Cape and the other one on Martha's Vineyard. The agency's order allows the utility, which distributes electricity on the Cape and Vineyard, to spend up to \$15 million to build a 5-megawatt energy storage facility on the island and up to \$40 million to build a 12-megawatt project on the Cape. "The facilities will prevent the need for additional wire projects, including a new cable from the mainland to Martha's Vineyard, increasing distribution reliability and facilitating the development of distributed clean energy resources," according to a statement from the Department. Eversource plans to use lithium ion batteries for both the facilities but details about how they would work and where they would be located are still being hashed out, said Eversource spokeswoman Priscilla Ress.

- Source: capecodtimes.com

*Currently the Cape & Vineyard Electric Cooperative is proceeding with s BESS at the Dennis Yarmouth Regional Emergency Shelter located at the High School.*

**Cape Light Compact JPE:** The **Cape Light Compact** JPE is a nationally recognized award-winning energy services organization operated by the 21 towns on Cape Cod and Martha's Vineyard and Dukes County. The Compact's mission is to serve its 200,000 customers through the delivery of proven energy efficiency programs, effective consumer advocacy and renewable competitive electricity supply.

**Cape & Vineyard Electric Cooperative, Inc.:** The **Cape & Vineyard Electric Cooperative** (CVEC), a governmental non-profit, was created to provide the municipalities of Cape Cod and Martha's Vineyard a way to work together to integrate clean, renewable energy as part of a more sustainable Cape Cod and Martha's Vineyard. CVEC works in concert with the ongoing mission of the Cape Light Compact to advance the interests of electricity consumers throughout Cape Cod and Martha's Vineyard. To date CVEC has managed the installation and net metering credit transactions for over 32 megawatts(MW) of power.

**Cape Cod Climate Change Collaborative:** The **Cape Cod Climate Change Collaborative** is a 501(c)(3) non-profit corporation. Membership is made up of organizations and individuals on Cape Cod, that have committed themselves to reducing their carbon footprints or assisting others in doing so.

**MASSACHUSETTS DEPARTMENT OF PUBLIC UTILITIES (DPU):** The Department of Public Utilities (DPU) is an adjudicatory agency overseen by a three-member Commission. It is responsible for

oversight of investor-owned electric power, natural gas, and water utilities in the Commonwealth. In addition, the DPU is charged with developing alternatives to traditional regulation, monitoring service quality, regulating safety in the transportation and gas pipeline areas, and the siting of energy facilities. The mission of the DPU is to ensure that consumers' rights are protected, and that utility companies are providing the most reliable service at the lowest possible cost. The DPU oversees the public safety from transportation and gas pipeline-related accidents, and the energy facilities siting process. The DPU seeks to promote safety, security, reliability of service, affordability, equity, and greenhouse gas emission reductions.

- Source: <https://www.mass.gov/orgs/department-of-public-utilities>

**MASSACHUSETTS DEPARTMENT OF ENERGY RESOURCES (DOER):** The DOER develops and implements policies and programs aimed at ensuring the adequacy, security, diversity, and cost-effectiveness of the Commonwealth's energy supply to create a clean, affordable and resilient energy future for all residents, businesses, communities, and institutions.

- Source: <https://www.mass.gov/orgs/massachusetts-department-of-energy-resources>

**MAYFLOWER WIND:** Mayflower Wind is developing a federal offshore lease area—located over 30 miles south of Martha's Vineyard and 20 miles south of Nantucket—that has the potential to generate over 2,000 megawatts (MW) of low-cost clean energy, or enough to power over half a million homes. They expect to deliver clean energy from the project by the mid-2020s.

- Source: <https://mayflowerwind.com/>

**EV:** An **EV** is an Electric Vehicle. (PHEV is a hybrid vehicle with battery backed up by combustion engine).

**Green Communities:** The **Green Community** Designation and Grant Program provides a road map along with financial and technical support to municipalities that 1) pledge to cut municipal energy use by an ambitious and achievable goal of 20 percent over 5 years and 2) meet four other criteria established in the Green Communities Act:

- Criterion 1 is met by a municipality passing zoning in designated locations for the as-of-right siting of renewable or alternative energy generating facilities, research and development facilities, or manufacturing facilities.
- Criterion 2 is met by a municipality adopting an expedited application and permitting of one year at most, under which facilities interested in locating their facility in a designated renewable zone may be sited within the municipality.
- Criterion 3 is met by a municipality when an energy use baseline inventory is made for municipal buildings and facilities (which can include schools, water, wastewater treatment plants and pumping stations, and open space), street and traffic lighting, and vehicles; and an Energy Reduction Plan (ERP) is adopted demonstrating a reduction of 20 percent of energy use after five years of implementation.
- Criterion 4 is met when all departments purchase fuel-efficient vehicles for municipal use, whenever such vehicles are commercially available and practicable.

- Source: [mass.gov/orgs/green-communities-division](https://mass.gov/orgs/green-communities-division)

**MassEnergy Insight:** **MassEnergyInsight** (MEI) is a web-based tool that enables cities and towns to perform key energy management tasks:

- Develop an energy use baseline
- Examine energy use by departments and by fuel type

- Forecast energy budgets
- Show the results of energy efficiency investments
- Develop a greenhouse gas emissions inventory
- Facilitate communication and awareness about energy use
- Generate reports for stakeholders.

▪ Source: [massenergyinsight.net](http://massenergyinsight.net)

**Net Metering:** **Net metering** allows customers to offset their energy use and transfer energy back to their electric companies in exchange for a **net metering credit (NMC)**. If you have a solar or another renewable energy facility, and your electric company allows it, you may be able to **net meter**.

- Source: [Mass.gov/guides/net-metering-guide#:~:text=Net%20metering%20allows%20you%20to,of%20electricity%20that%20you%20use.](http://Mass.gov/guides/net-metering-guide#:~:text=Net%20metering%20allows%20you%20to,of%20electricity%20that%20you%20use.)

**Currently the Cape & Vineyard Electric Cooperative manages the distribution of over 30 megawatts (MW) of net metering credits annually with annual savings to CVEC participants of over 2.5 million dollars.**

**Power Purchase Agreement:** A **Power Purchase Agreement (PPA)** is a financial arrangement in which a third-party developer owns, operates, and maintains the photovoltaic (PV) or wind system, and a host customer agrees to site the system on its property and purchase the system's electric output from the solar services provider for a predetermined period. This financial arrangement allows the host customer to receive stable and often low-cost electricity, while the solar services provider or another party acquires valuable financial benefits, such as tax credits and income generated from the sale of electricity. • Source: [epa.gov](http://epa.gov)

**Rate Case:** A **rate case** is the formal process used to determine the amounts utilities are allowed to charge customers for their regulated services. Rate cases are the primary instrument of government regulation of these industries.

**RPP:** The Cape Cod Commission Act requires the preparation of a **Regional Policy Plan (RPP)** that presents "a coherent set of regional planning policies and objectives to guide development throughout said Barnstable County and to protect the region's resources." The plan, which is updated at least once every five years, must:

- identify critical resources and management needs
- state a growth policy for the region
- present regional goals, and
- present a policy for coordinating regional and local planning efforts

Among the goals for the 2017 RPP update are:

- to develop a land use strategy for the region
- to facilitate the local comprehensive planning process
- to provide regulatory incentives for neighboring towns to plan together
- to simplify the regulatory process, and
- to create a framework for regional capital planning

- Source: [capecodcommission.org](http://capecodcommission.org)

**SREC to SMART INCENTIVE PROGRAM:** In the past, Massachusetts solar owners have been able to earn Solar Renewable Energy Certificates (**SRECs**) for the energy produced by their solar energy

systems, as well as earning any net metering credits for power sent to the grid. For municipalities, with projects owned by third parties, the third party system owner was the beneficiary of this SREC incentive. The SREC I and SREC II programs have ended. *If you are already in the SREC I or SREC II program, **nothing changes**. You will continue to earn SRECs for the remainder of your 10-year period.* The replacement is the **SMART** (Solar Massachusetts Renewable Target) program. The incentive values are scheduled to decline by 4% for every 200MW reached, so timely installation of PV is key. Batteries or other methods of energy storage are eligible for SMART rewards. Program design steers projects towards optimal PV installation through Compensation Rate Adders. NOTE: The Massachusetts Net Metering program is not changed by the implementation of the SMART program. Net Metering is regulated by the Department of Public Utilities. The value of energy calculated for behind the meter projects does not change. As a result, a Behind the Meter project may receive the SMART incentive and may also receive net metering credits. In the case of third party ownership models, the incentive will be paid to the third party owner, not to the utility customer.

- Source: [Mass.gov](https://www.mass.gov)

**Standalone:** A standalone PV system is not tied behind the meter into a home or facility that would utilize the energy produced. The energy is sent to the grid with the power measured and compensation made to the PV system owner.

**Stretch Code:** A **stretch code** is a locally mandated building **code** or alternative compliance path that is more aggressive than the base building **code**, resulting in buildings that achieve higher **energy** savings.

- Source: [NewBuildings.org](https://www.newbuildings.org)

**Vineyard Power:** **Vineyard Power** is a 501(c)12 nonprofit community-owned cooperative. The mission is to produce electricity from local, renewable resources while advocating for and keeping the benefits within the Martha's Vineyard island community •

- Source: [vineyardpower.com](https://www.vineyardpower.com)

**Vineyard Wind:** **Vineyard Wind** is one of three companies leasing area south of Martha's Vineyard through the Bureau of Ocean Energy Management. The offshore wind project is to be located 14 miles from the nearest shore and will consist of an array of wind turbines, spaced at least eight-tenths of a mile apart, each capable of generating over 8 MW of power. Submarine cables will be installed along a route from the project site to a landing point on shore, buried up to six feet below the sea floor, along proposed routes in either Yarmouth or Barnstable. Following selection in a competitive bid process, in May 2018 the company began negotiations to secure all necessary transmission services and power purchase agreements to facilitate the delivery of 800 megawatts (MW) of offshore wind electricity to Massachusetts customers. Once satisfactory contract terms are secured, those documents will be submitted to the Massachusetts Department of Public Utilities for formal review.

- Source: [vineyardwind.com](https://www.vineyardwind.com)