

# MV Climate Action Plan

## Town Workshops Results

From March 24 – to April 22, the MVC Climate Action Plan (CAP) facilitation team held workshops with staff and board members from all six MV towns. The objectives of the workshops were:

- Town staff and board members understand the CAP progress
- Town staff and board members provide feedback on town priorities for island-wide action and provide additional ideas for working group consideration

During the zoom workshops, participants reviewed the draft goals and objectives from the CAP thematic working groups. They were asked to vote on which objectives they felt were most important for regional implementation. The following pages present tables of the voting results. The tables provide the following information for each working group:

- The objectives in the left-hand column
- The percent of participant votes per town in the right-hand columns. Numbers in () after each town are the total number of participants who voted in the workshop. This number does not always reflect the number of people in the workshop.
- Each thematic area had a limited number of votes allowed (bolded in the title). In each town column, the priorities are highlighted in colors. Only the total amount of priorities allowable per thematic group is highlighted. If a tie in numbers caused the total amount of priorities to go over the limit, we did not highlight the tied boxes (explaining why there are fewer highlighted boxes for some towns).
- Highlighted objectives include those that were prioritized by four or more towns.

A summary of the comments provided through open-ended questions and the ppt presentation shared at the workshop are also provided. For more information or to provide further comments, please get in touch with Liz Durkee ([durkee@mvcommission.org](mailto:durkee@mvcommission.org)), Meghan Gombos ([meghan.gombos@gmail.com](mailto:meghan.gombos@gmail.com)), or Cheryl Doble ([csdoble@outlook.com](mailto:csdoble@outlook.com)).

Economic Resilience (2 priority votes allowed)

| OBJECTIVE   | PERCENTAGE |        |         |         |          |          |
|---|------------|--------|---------|---------|----------|----------|
|   | EDG (25)   | AQ (6) | WT (13) | OB (12) | CHL (11) | TIS (26) |
| <b>Objective 1: (Business are prepared for extreme events)</b> By 2030, our businesses have made changes to their business model and/or operations to prepare for and be able to adapt to and recover from, slow on-set and acute climate change impacts. | 60         | 0      | 23      | 25      | 55       | 58       |
| <b>Objective 2: (Businesses move away from fossil fuels)</b> By 2030, our businesses contribute individually to island sustainability through climate change mitigation measures  | 40         | 83     | 69      | 83      | 36       | 42       |
| <b>Objective 3: (Transition of climate vulnerable businesses)</b> By 2027 identify vulnerable business types and assist them in identifying the challenges and opportunities that will enable them to transition to a sustainable model.                  | 28         | 17     | 46      | 33      | 9        | 35       |
| <b>Objective 4: (Job training for a capable, local workforce)</b> By 2030, we have a local, capable, and motivated workforce through a job training network for local residents.  | 48         | 83     | 39      | 50      | 46       | 58       |

## Land Use Natural Resources, Biodiversity (4 priority votes allowed)

| OBJECTIVE   | PERCENTAGE |        |         |         |         |          |
|---|------------|--------|---------|---------|---------|----------|
|   | EDG (24)   | AQ (8) | WT (13) | OB (14) | CHL (9) | TIS (26) |
| <b>G1: Objective 1: (Regulations protect public safety in vulnerable areas)</b> By 2026, development in harm's way is discontinued or managed through local and regional regulations to minimize climate risks to public safety.  | 46         | 50     | 31      | 43      | 33      | 54       |
| <b>G1: Objective 2: (Strengthen ecosystems that protect public safety)</b> By 2026, public and private conservation groups have identified and prioritized ecosystems contributing to climate resilience and public safety and developed tools to protect and strengthen them.  | 42         | 25     | 39      | 43      | 44      | 39       |
| <b>G2: Objective 1: (Habitat corridors are mapped islandwide)</b> By 2024, a map of current habitat corridors, including state-listed priority species, is complete for public and private lands and waters.  | 17         | 13     | 8       | 14      | 33      | 19       |
| <b>G2: Objective 2: (Conservation summit to collaborate on environmental projects)</b> By 2025, an annual conservation summit convenes where conservation orgs identify data gaps and collaborative projects that promote connectivity and resilience towards targets developed in the process  | 4          | 25     | 0       | 29      | 22      | 23       |
| <b>G2: Objective 3: (Standards to promote native vegetation on municipal land)</b> By 2024 with the guidance of the tribe* the island has established minimum standards for the use native vegetation for municipally maintained greenspaces  | 38         | 38     | 31      | 21      | 11      | 23       |
| <b>G2: Objective 4: (Maximum disturbance standards for new development)</b> By 2025, a maximum % disturbance per acre is established for all new development  | 67         | 50     | 46      | 50      | 56      | 31       |
| <b>G3: Objective 1: (Adjust watershed nutrient thresholds)</b> By 2024, the most significant nutrient sources are identified in each watershed on the Vineyard, and estuarine nitrogen thresholds are adjusted to be in line with 2040 climatic conditions.   | 17         | 25     | 23      | 29      | 0       | 27       |
| <b>G3: Objective 2: (Identify current and future aquifer threats)</b> By 2024, the biggest threats to the safety and sustainability of our sole source aquifer have been identified, evaluated and mapped, with respect to current and future (2040) land use, consumption, recharge and population projections. nitrogen thresholds are adjusted to be in line with 2040 climatic conditions | 33         | 38     | 77      | 43      | 33      | 62       |
| <b>G3: Objective 3: (Implement watershed nutrient mitigation strategies)</b> Nitrogen mitigation strategies have been identified, approved, funded, and implemented for each priority watershed by 2027 and all other watersheds by 2030.   | 25         | 38     | 23      | 36      | 44      | 35       |
| <b>G3: Objective 4: (Regulations protect island aquifer)</b> By 2026, bylaws and regulations are in place, island-wide, which will ensure the aquifer remains safe and potable, experiences sustainable recharge, and is consumed in a manner which is responsive to population growth, changes in precipitation and air temperature.   | 42         | 75     | 69      | 64      | 56      | 62       |

Transportation & Infrastructure (3 priority votes allowed)

| OBJECTIVE   | PERCENTAGE |        |         |         |          |          |
|---|------------|--------|---------|---------|----------|----------|
|   | EDG (24)   | AQ (7) | WT (13) | OB (13) | CHL (10) | TIS (26) |
| <b>G1: Objective 1:</b> By 2024, complete town by town assessments of infrastructure vulnerability to multiple hazards using standard regional protocol* that forms the basis for further planning  | 58         | 43     | 69      | 69      | 44       | 46       |
| <b>G1: Objective 2:</b> By 2026, using town assessment evaluate and prioritize a network of infrastructure assets are important to support a thriving island community  | 42         | 57     | 0       | 46      | 44       | 35       |
| <b>G1: Objective 3:</b> By 2026, design climate-resilient and regional transportation networks including greener transportation options, and near term no regret measures*.   | 38         | 71     | 46      | 31      | 44       | 46       |
| <b>G1: Objective 4:</b> By 2030 all infrastructure upgrades and improvements are designed using a model climate change assessment protocol with an emphasis on green infrastructure   | 38         | 43     | 39      | 39      | 67       | 54       |
| <b>G2: Objective 1:</b> By 2024, complete a supply chain stud(ies)* of inbound and outbound goods, materials, people, and services, to understand the specific impacts of climate change and guide emergency response and island wide planning. | 38         | 43     | 54      | 54      | 22       | 50       |
| <b>G2: Objective 2:</b> By 2025 regional supply chain stakeholders identify island wide priorities and develop a resilience plan to reduce dependency and maintain reliable access and service  | 42         | 43     | 46      | 54      | 33       | 54       |

Food Security (3 priority votes allowed)

| OBJECTIVE   | PERCENTAGE |        |         |         |         |          |
|---|------------|--------|---------|---------|---------|----------|
|   | EDG (26)   | AQ (8) | WT (13) | OB (12) | CHL (8) | TIS (25) |
| <b>G1: Objective 1: (Increase regional food availability)</b> By 2026, establish a centralized regional food hub for getting New England-grown food to the Island and a local organizational hub for local retailers to order the food (50% of food from NE by 2030)  | 60         | 75     | 54      | 50      | 63      | 64       |
| <b>G1: Objective 2: (Increase regenerative farming)</b> By 20XX, increase the volume of food grown year-round on Island farms using regenerative methods (define regenerative) by ___ % poundage or ___ % acreage (or ___ % of total food consumed by year-round community?). (15% Island grown and 35% from New England) | 40         | 75     | 31      | 33      | 38      | 44       |
| <b>G1: Objective 3: (Increase home/community gardens)</b> By 2027, increase the amount of home and community gardens by 50 per year.  | 28         | 25     | 15      | 33      | 38      | 44       |
| <b>G1: Objective 4: (Increase local aquaculture production)</b> By 2027, increase aquaculture production by 30%.  | 36         | 63     | 54      | 33      | 38      | 24       |
| <b>G2: Objective 1: (Resilient food distribution centers)</b> By 2028, there is an island-wide resilient network of food processing, storage, and distribution centers  | 56         | 25     | 31      | 42      | 38      | 48       |
| <b>G2: Objective 2: (Consistent food supply for food insecure and emergencies)</b> By 2029 there is a consistent 2-3 week supply of food available throughout the year, which can also be accessed in the event of an emergency, to feed the year round population.   | 56         | 37     | 62      | 75      | 50      | 56       |

Public Health and Safety (3 priority votes allowed)

| OBJECTIVE   | PERCENTAGE |        |         |         |         |          |
|---|------------|--------|---------|---------|---------|----------|
|   | EDG (25)   | AQ (8) | WT (10) | OB (14) | CHL (8) | TIS (22) |
| <b>G1: Objective 1: (Regional database of vulnerable populations)</b> By 2024, we have a secure regional database of residents and homeowners, road associations, vulnerable populations, and key personal health needs to be managed by the regional emergency manager and/or Dukes County Emergency Management                      | 40         | 63     | 50      | 57      | 63      | 27       |
| <b>G1: Objective 2: (Permanent regional emergency manager)</b> By 2025 a permanent regional emergency manager is in place with town consent and financial support.  | 28         | 0      | 40      | 71      | 0       | 36       |
| <b>G1: Objective 3: (Regional emergency response plan)</b> By 2026 a preparedness, response, and post-disaster recovery plan has been developed by the regional emergency manager in cooperation with all towns.  | 56         | 25     | 20      | 64      | 50      | 59       |
| <b>G1: Objective 4: (Regional shelter with capacity)</b> By 2026 one or more regional shelters are adequately stocked and staffed with certified shelter volunteers.  | 24         | 38     | 50      | 14      | 0       | 36       |
| <b>G1: Objective 5: (Island-wide CERT network)</b> By 2026 a self-sustaining Island-wide Community Emergency Response Team (CERT) network is established, staffed, well-trained, and funded   | 44         | 75     | 20      | 29      | 25      | 32       |
| <b>G1: Objective 6: (Regional wildfire plan implemented)</b> By 2025, the regional wildfire plan is implemented, including training and specialized firefighting equipment.   | 32         | 38     | 10      | 21      | 50      | 27       |
| <b>G2: Objective 1: (Regional health council developed)</b> By 2023 a sub-committee at dukes county health council is developed to facilitate island health care services related public health threats of climate change   | 16         | 13     | 0       | 14      | 0       | 27       |
| <b>G2: Objective 2: (Bilingual outreach materials on health impacts from climate change)</b> By 2024 Create/repurpose a set island wide outreach materials made accessible to the general public through video/bilingual to educate them the health impacts from climate change to be disseminated through social media/websites/MVTV | 24         | 25     | 10      | 7       | 38      | 27       |
| <b>G2: Objective 3: (Coordinated outreach on health impacts from climate change)</b> By 2025 the subcommittee works with inter-island public health excellence collaborative to conduct quarterly outreach events using existing forums where possibleBy 2025   | 12         | 13     | 0       | 14      | 25      | 14       |

## Energy Transformation (5 priority votes allowed)

| OBJECTIVE   | PERCENTAGE |        |         |         |         |          |
|---|------------|--------|---------|---------|---------|----------|
|   | EDG (27)   | AQ (7) | WT (11) | OB (14) | CHL (8) | TIS (26) |
| <b>G1: Objective 1: (Increase electric home heating)</b> By 2032, 50% of Island homes (10,000) will have air source heat pumps for home heating and domestic hot water.   | 41         | 57     | 36      | 43      | 88      | 32       |
| <b>G1: Objective 2: (Increase home energy audits)</b> By 2025 energy efficiency programs will be expanded with % of homes having Cape Light Compact energy audits and #? having master energy plans under the Energy Transformation Program (ETP).      | 37         | 0      | 46      | 43      | 25      | 52       |
| <b>G1: Objective 3: (Increase electric vehicles)</b> By 2032, the number of newly Island-registered electric vehicles will exceed the state forecast of 46% by 10%, for a total of 56%.   | 48         | 71     | 9       | 36      | 63      | 36       |
| <b>G1: Objective 4: (Increase electric commercial vehicles)</b> By 2032, all fleet vehicles (UPS, school buses, police, fire, Fed Ex., etc.) will be 100% electric.   | 44         | 57     | 55      | 43      | 75      | 44       |
| <b>G1: Objective 5: (Transition SSA to hybrid/electric)</b> As the Steamship Authority and passenger ferries are replaced, they are replaced with hybrid or electric models.  | 33         | 43     | 64      | 36      | 38      | 36       |
| <b>G2: Objective 1: (Increase island solar energy generation)</b> By 2032, 15% of our electricity is generated by solar on-island (Eversource data – backed up with state – 9% solar now)   | 70         | 43     | 27      | 64      | 38      | 48       |
| <b>G2: Objective 2: (Foster regional renewable electric supply)</b> By 2030 Increase the amount of baseline renewably generated electricity, 30% above the renewable portfolio standard (RPS) in the standard power supply. (CLC metric)                | 11         | 57     | 18      | 43      | 38      | 20       |
| <b>G2: Objective 3: (Increase participation in CLC renewable option)</b> By 2027, 10% of island residential ratepayers are either opting into the 50% or 100% “local green” renewable generation products provided by Cape Light Compact                | 11         | 0      | 0       | 7       | 0       | 20       |
| <b>G2: Objective 4: (Increase renewable benefits for low/moderate income)</b> Implement mechanisms for low to moderate income islanders to gain the benefits from new renewable sources (through lower rates).  | 33         | 57     | 46      | 36      | 25      | 28       |
| <b>G3: Objective 1: (Energy preparedness plans completed)</b> By 2023, assemble, categorize, and analyze energy related preparedness plans already in place for all critical facilities at town and regional levels.                                    | 22         | 43     | 9       | 21      | 0       | 32       |
| <b>G3: Objective 2: (Plan in place to work with Eversource)</b> By 2024, we have developed a plan with Eversource as to how we can meet the island’s resilience needs.  | 41         | 14     | 46      | 29      | 0       | 48       |
| <b>G3: Objective 3: (New builds meet current/future Stretch Code requirements)</b> From 2023 on, aid the implementation of the Stretch Code and its future iterations to ensure new builds are increasingly resilient to the impacts of climate change. | 15         | 14     | 36      | 29      | 50      | 36       |
| <b>G3: Objective 4: (Microgrids support critical facilities)</b> By 2030, all municipalities and regional entities have incorporated microgrid technology to service their critical facilities  | 33         | 43     | 46      | 36      | 25      | 20       |

Town workshop participants were provided an open-ended set of questions to answer after the workshop. The following summarizes the responses to these questions organized by response topic.

### **Question 1: How can plan implementation support your work and decision- making?**

#### Education:

- Guide us in activities moving forward with the action items
- education of climate change
- We need to strive for educating
- knowledge is power
- The library disseminates information to the community, so keeping us in the loop is really helpful!

#### Provide direction

- Provide focus for Town policy and projects
- Any direction and info would be helpful to my work and volunteer activities.
- to use as a foundation for future efforts
- Make goals clearer
- By having guidance from Emergency Management

#### Guidelines:

- Guidelines to go by and town planning
- Will help to have agreed-upon priorities and objectives
- set of lot coverage guidelines to support their decision making.

#### Policy

- Policy must be set in an enforceable way (through by-laws, for example) to be effective.
- help us know what bylaws the PB and Con Comm need to put in place to respond to climate change.
- Regulations need to reflect goals to achieve realistic progress.

#### Transition

- Support in figuring out how to transition my landscaping business - available technology updates and grants or incentives available to help with the costs
- It will help us transition to 100% fossil fuel free economy
- offering incentives for the homeowners to switch from fossil fuel to alternative means, without overburdening the cost of doing this.

#### Island wide Collaboration

- A detailed CAP framework for island-wide action on climate change is essential



- Individual Town Committees (Energy, Climate, Conservation, Planning Board) should be charged with implementation of specific objectives for the Town and one or more (or all) of these committee heads or a representative should be the collaborating team.
- It should help me know with whom to coordinate about the CAP team.

**Question 2: How can you support plan implementation through your work and decision-making?**

Local leadership -- Encourage town leadership to act

- We will be part of the solution!
- Project coordination and implementation of action plan on Town management side
- Through our committees incorporate the actions into the Energy Committee's action plan.
- By ensuring every decision we make towards our Master Plans are coordinated and based on our goal and objectives
- The town can have a clear set of goals and we can all try to get on the same page
- By encouraging our town leadership to prioritize energy and climate resilience goals in regulatory and by-law development.
- Propose warrant articles that will facilitate implementation at the town level and commit to community outreach
- CAP can most certainly be considered in vehicle purchasing for our department

Committee action and collaboration

- Our committees can support some of the goals, in concert with similar committees in other towns once some priorities are set and agreed upon
- participation in the groups
- good communication will be the key.
- I'm on the Chilmark Energy Committee and would be glad to work more with the CAP team.

Following guidance

- We (as the WT Energy Com) will use the detailed CAP to guide us in targeting our next plans and decisions.
- By following through with the guidance received
- I think educating the public is very important

Manage development – limit development

- There has to be an enforceable element to the plan.

- Decisions about pulling back on over building on the island is a good first step and requires only a drive about to see the stunning impact on green space.

#### Request help/support

- I'd like to make this transition in my business, and just need some help figuring out how.

#### Other

- Hope to pay attention and help s needed
- For me, the Fire service is not ready for all of the fast moving changes in electrical storage ( ie: batteries) Electric vehicles are very much on the rise already, it scares me to think how many vehicles are going to be in garages plugged in, and batteries for backup power in basements of houses, where the Fire Codes have not been keeping up the changes being made. Education is the biggest for me, I am having a hard time advocating for alternative fuel methods when there are no good set a codes and regulations put out yet.
- lack of drainage due to lot coverage and the impact of streets and waterways is visible to all.

#### **Question 3 Do you have any other comments**

#### Thank you

- Today's session well done. Gave a good feel for the depth and breadth of the CAP.
- Very informative presentation. Good job by all involved.
- The CAP team is doing a good job in addressing the climate change needs we will be facing
- Thanks for all the hard work
- Not at this time...thanks
- Thanks for catching us up on your current work.

#### Comments on Goals and Objectives

- These need to be more concrete and easier to read and understand
- I like the format, hope you can get out to more taxpayers for ideas and feedback. Public
- These goals of the various groups seem all over the place and some are not clear. I assume prioritization will come next.
- Need to focus on how we are going to make it affordable for the regular homeowner to accomplish our goals. We can set all kinds of regulations, but I hope it does not make it even more difficult for an Islander to stay here.
- The creation and implementation of new goals should include financial support so that all income and age groups have the means to participate in and reaching the new objectives.
- Try not to break it up into too many sub-committees, avoid repetition.

- I think the infrastructure heading should include sewer and also health, because during extreme events flooding the sewer pump by the police station in VH could back up and that is a major health risk for humans and the environment.

#### Actions

- I applaud all the working groups for coming up with so many "near term" goals - ie in many within the next 2-5 years and most are looking at goals by 2030. This sense of urgency is exactly what is needed. Please resist any pressure to push them further into the future. We don't have the luxury of time anymore.
- One practical and very attainable goal of the CAP team would be to seeing more EV charging stations located around the Island. The ones at Cronig's are great, but very very slow. To my knowledge there are two at the WT town hall and the library (this one you pay to use) two at the Aquinnah town hall and 2 at the cliffs. I know of no public charging stations in Edgartown, except one at the Harborview (not exactly accessible to the general public), Oak Bluffs or Vineyard Haven. The EV charging stations at the WT hall get heavy use in this summer.
- There should be some super chargers as well so people don't have to leave their cars for 5-6 hours. Not only do they need to be installed in more places, but they also need to be maintained and monitored.
- Limit building permits per year (pick a number).

#### Going forward

- From a planning perspective we need to create awareness, change habits, provide and communicate critical info, implement strategies and point people in the correct direction
- The CAP team will have to be the coordination body not the doing body, except for certain overarching regional issues
- For the Town, after the visioning and prioritizing phase, professional consultation and cost projection analysis will be important for implementation and maintenance of new infrastructure or systems related to the CAP. Projects will need to be sustainable beyond an initial grant - with minimum staffing considerations. We do not have the professional capacity or numbers for complex systems.
- concerned about the costs of everything we need to do -

#### Housing issue

- We need ample workers in the workforce in order to successfully implement a plan. So while the need for workforce housing is not a direct climate change, it is critical in providing a solid base for workers. A workforce that has bought into this plan, believes in this plan and is invested in this plan is the only way the plan will be effective.
- There is no housing crisis - there is a wastewater crisis. That should be addressed yesterday. Make sure you have adequate infrastructure in all aspects prior to going

forward with other plans and additional housing. People will commute to work here if needed. Create a Voc. / Tech. High School.

#### Other comments

- Do we have a high school group? I have maybe 30 years left in this fight, they have 80 and will bear the brunt of the impacts and actions of today.
- In the discussion session, you might have asked us all to rank the six major categories. My own feeling would be that the economic resilience goal would rank last - I think it is incumbent on businesses to plan ahead, not rely on government to do it for them.

# Climate Action Plan:

Town Workshops

March 2022



## *THE* VINEYARD WAY

CONNECTED TO OUR PAST  
COMMITTED TO OUR FUTURE

**In the chat please write:**

- **your town department /committee**
- **your biggest concern about how climate change will impact your job?**





# Today's Objectives

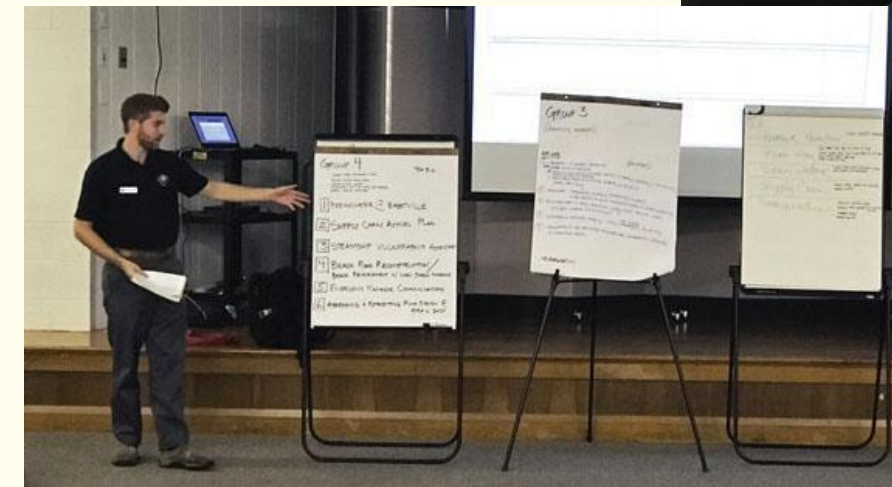
- Town staff & board members understand the CAP progress
  - Town staff & board members provide feedback on town priorities for island wide action and provide additional ideas to working group consideration
- \*In the chat please write:
- your town department /committee
  - your biggest concern about how climate change will impact your job?





# Background

- All 7 towns - MA Municipal Vulnerability Preparedness Program (MVP), Community Resilience Building Workshop Reports
- Two Subsequent MVP Grants:
  - First grant – Listening Sessions, Town Climate Change Adaptation Booklets
  - Second Grant - The Climate Action Plan *Deadline June 2022*



# Regional Community Based Planning Process

**CLIMATE ACTION PLAN PURPOSE:** Identify long term goals and steps to build our social, environmental, and economic resilience to the impacts of climate change and minimize our contributions to its causes.

## KEY OUTPUTS

### 1 CLIMATE ACTION PLAN

Written plan that defines 20 year goals, mid-term objectives, priority actions, measures of success, and implementation steps



### 2 INTERACTIVE WEBSITE

A living document and visual way to tell our story and track progress over time



### 3 CLIMATE OUTREACH

On-going and broad scale outreach and awareness

Climate Action Week May 8-14th





# The Steering Committee

## WHO:

- 1 representative from each Town Climate or Climate & Energy Committee
  - Aquinnah - Kathy Newman
  - Chilmark - Peter Neiley
  - Edgartown - Julia Livingston
  - Oak Bluffs - Bill Cleary
  - Tisbury - Keith McGuire
  - West Tisbury - Nicola Blake
- 1 Tribal Community Liaison - Carole Vandal
- 1 Brazilian Community Liaison - Brumelha Magri
- 1 NAACP representative - David Allen
- 1 County representative - Tristan Israel
- 7 Thematic Working Group Liaisons - (next slide)

## WHAT:

- Communicate & coordinate between regional planning and their community (input and priorities)
- Guide and Support decision making about CAP process and outputs



# Thematic Working Groups



Land Use, Natural Resources, Biodiversity - Sam Look



Economic Resilience - Holly Bellebuono



Transportation and Infrastructure - Juliet Mulinare



Public Health and Safety - Lila Fischer



Energy Transformation - Erik Peckar



Food Security - Noli Taylor

**WHO:** Town representatives, Tribal members, students, NGOs, private business

## **WHAT:**

- Review climate impacts and develop long term regional goals, objectives and priority actions, measures of success
- Support broader community engagement and input
- Liaisons share progress regularly with steering committee

**\*Over 110 people involved in the planning process**

# CAP Guiding Values\*

- 1. Healthy Natural Resources**
- 2. Equity & Inclusion**
- 3. Community Collaboration**
- 4. Resilience**
- 5. Local Action**

*\*developed through the kick-off meeting of over 100 people*

# Today's Review Process

**For each thematic working group we will:**

- Review goals & objectives (on worksheet) (3 min)
- Take Questions /comments (also use the chat) (5 min)
- Poll the group to identify town priorities (2 min)





# Economic Resilience Thematic Working Group

*THE* VINEYARD WAY

CLIMATE RESILIENCE



MARTHAS VINEYARD  
COMMISSION

**Goal: By 2040 we have in place the framework to adapt the Vineyard economy with the diversification, resilience, and sustainability needed to meet the Island's challenges and opportunities from climate change**

**Objective 1: (Business are prepared for extreme events)** By 2030, our businesses have made changes to their business model and/or operations to prepare for and be able to adapt to and recover from, slow onset and acute climate change impacts.

**Objective 2: (Businesses move away from fossil fuels)** By 2030, our businesses contribute individually to island sustainability through climate change mitigation measures

**Objective 3: (Transition of climate vulnerable businesses)** By 2027 identify vulnerable business types and assist them in identifying the challenges and opportunities that will enable them to transition to a sustainable model

**Objective 4: (Job training for a capable, local workforce)** By 2030, we have a local, capable, and motivated workforce through a job training network for local residents







# Land Use, Natural Resources, & Biodiversity Thematic Working Group

*THE* VINEYARD WAY

CLIMATE RESILIENCE



MARTHAS VINEYARD  
COMMISSION

Goal One: By 2040 land use decision-making prioritizes protecting public safety and related ecosystems potentially impacted by climate change.

**Objective 1: (Regulations protect public safety in vulnerable areas)** By 2026, development in harm's way is discontinued or managed through local and regional regulations to minimize climate risks to public safety.

**Objective 2: (Strengthen ecosystems that protect public safety)** By 2026, public and private conservation groups have identified and prioritized ecosystems contributing to climate resilience and public safety and developed tools to protect and strengthen them.





**Goal Two: By 2040, natural resources and biodiversity on Martha's Vineyard are cooperatively managed and protected to maintain and promote habitat health, connectivity, and resiliency**

**Objective 1: (Habitat corridors are mapped islandwide)** By 2024, a map of current habitat corridors, including state-listed priority species, is complete for public and private lands and waters.

**Objective 2: (Conservation summit to collaborate on environmental projects)** Conservation summit  
By 2025, an annual conservation summit convenes where conservation orgs identify data gaps and collaborative projects that promote connectivity and resilience towards targets developed in the process

**Objective 3: (Standards to promote native vegetation on municipal land)** By 2024 with the guidance of the tribe\* the island has established minimum standards for the use native vegetation for municipally maintained greenspaces

**Objective 4: (Maximum disturbance standards for new development)** By 2025, a maximum % disturbance per acre is established for all new development



## Goal Three: By 2040 we will have protected our watersheds and single source aquifer against the increasing pressures of climate change and population growth

**Objective 1: (Adjust watershed nutrient thresholds)** By 2024, the most significant nutrient sources are identified in each watershed on the Vineyard, and estuarine nitrogen thresholds are adjusted to be in line with 2040 climatic conditions.

**Objective 2: (Identify current and future aquifer threats)** By 2024, the biggest threats to the safety and sustainability of our sole source aquifer have been identified, evaluated and mapped, with respect to current and future (2040) land use, consumption, recharge and population projections nitrogen thresholds are adjusted to be in line with 2040 climatic conditions

**Objective 3: (Implement watershed nutrient mitigation strategies)** Nitrogen mitigation strategies have been identified, approved, funded, and implemented for each priority watershed by 2027 and all other watersheds by 2030.

**Objective 4: (Regulations protect island aquifer)** By 2026, bylaws and regulations are in place, island-wide, which will ensure the aquifer remains safe and potable, experiences sustainable recharge, and is consumed in a manner which is responsive to population growth, changes in precipitation and air temperature.







# Transportation and Infrastructure Thematic Working Group

*THE* VINEYARD WAY

CLIMATE RESILIENCE



MARTHAS VINEYARD  
COMMISSION

**GOAL One: By 2040, critical vulnerable roads are protected or relocated through a network that prioritizes alternative transportation and green infrastructure.**

**Objective 1: (Town assessment of vulnerable assets)** By 2024, complete town by town assessments of infrastructure vulnerability to multiple hazards using standard regional protocol\* that forms the basis for further planning

**Objective 2: (Regional prioritization of vulnerable assets)** By 2026, using town assessment evaluate and prioritize a network of infrastructure assets are important to support a thriving island community

**Objective 3: (Resilient transportation network options designed)** By 2026, design climate-resilient and regional transportation networks including greener transportation options, and near term no regret measures\*.

**Objective 4: (Incorporate climate projections in infrastructure upgrades)** By 2030 all infrastructure upgrades and improvements are designed using a model climate change assessment protocol with an emphasis on green infrastructure



Goal 2: By 2040 a long-term resiliency plan for our supply chain infrastructure (e.g. port infrastructure, ferry services, harbors, airport) is being implemented to ensure an adequate flow of goods, materials, and services.

**Objective 1: (Study supply chain vulnerability)** By 2024, complete a supply chain stud(ies)\* of inbound and outbound goods, materials, people, and services, to understand the specific impacts of climate change and guide emergency response and island wide planning. \*To include

- Material and Energy flow analysis
- People and services
- Communication and Information

**Objective 2: (Prioritize strategies for supply chain resilience)** By 2025 regional supply chain stakeholders identify island wide priorities and develop a resilience plan to reduce dependency and maintain reliable access and service







# Food Security Thematic Working Group

*THE* VINEYARD WAY

CLIMATE RESILIENCE



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**Goal One:** By 2040, food grown on the Island is harvested and produced in a way that strengthens biodiversity and makes local food more abundant over time, and the majority of food consumed on the Island is grown in New England.

**Objective 1: (Increase regional food availability)** By 2026, establish a centralized regional food hub for getting New England-grown food to the Island and a local organizational hub for local retailers to order the food (50% of food from NE by 2030)

**Objective 2: (Increase regenerative farming)** By 20 \_\_\_\_, increase the volume of food grown year-round on Island farms using regenerative methods (define regenerative) by \_\_ % poundage or \_\_ % acreage (or \_\_\_\_ % of total food consumed by year-round community?). (15% Island grown and 35% from New England)

**Objective 3: (Increase home/community gardens)** By 2027, increase the amount of home and community gardens by 50 (?) per year.

**Objective 4: (Increase local aquaculture production)** By 2027, increase aquaculture production by 30%.

Goal 2: By 2040 MV has a climate resilient physical and social framework to ensure that all residents have access to appropriate, ample, and nourishing food with dignity

**Objective 1: (Resilient food distribution centers)** By 2028, there is an island-wide resilient network of food processing, storage, and distribution centers

**Objective 2: (Consistent food supply for food insecure and emergencies)** By 2029 there is a consistent 2-3 week supply of food available throughout the year, which can also be accessed in the event of an emergency, to feed the year round population.





# Public Health and Safety Thematic Working Group

CLIMATE RESILIENCE



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**Goal One: By 2040 for the safety of all residents and visitors we have an effective county-wide emergency preparedness, response, and recovery system in place, including multilingual communication.**

**Objective 1: (Regional database of vulnerable populations)** By 2024, we have a secure regional database of residents and homeowners, road associations, vulnerable populations, and key personal health needs to be managed by the regional emergency manager and/or Dukes County Emergency Management.

**Objective 2: (Permanent regional emergency manager)** By 2025 a permanent regional emergency manager is in place with town consent and financial support.

**Objective 3: (Regional emergency response plan)** By 2026 a preparedness, response, and post-disaster recovery plan has been developed by the regional emergency manager in cooperation with all towns.

**Objective 4: (Regional shelter with capacity)** By 2026 one or more regional shelters are adequately stocked and staffed with certified shelter volunteers.

**Objective 5: (Island-wide CERT network)** By 2026 a self-sustaining Island-wide Community Emergency Response Team (CERT) network is established, staffed, well-trained, and funded

**Objective 6: (Regional wildfire plan implemented)** By 2025, the regional wildfire plan is implemented, including training and specialized firefighting equipment.

**Goal Two: By 2040 island residents understand environmental and climate change impacts to human health & wellbeing and everyone has access to support that builds self-sufficiency and resilience.**

**Objective 1: (Regional health council developed)** By 2023 a sub-committee at dukes county health council is developed to facilitate island health care services related public health threats of climate change

**Objective 2: (Bilingual outreach materials on health impacts from climate change)** By 2024 Create/repurpose a set island wide outreach materials made accessible to the general public through video/bilingual to educate them the health impacts from climate change to be disseminated through social media/websites/MVTV for the following topics  
wildfire

- Air pollution
- Allergens and pollen
- Vector borne disease
- Food and water borne disease
- Food security
- Mental health and stress related disorders
- Floods
- Temperature extremes

**Objective 3: (Coordinated outreach on health impacts from climate change)** By 2025 the subcommittee works with inter-island public health excellence collaborative to conduct quarterly outreach events using existing forums where possible





# CAP Energy Transformation Thematic Working Group

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# Goal 1: Reduce Fossil Fuel Use on the Island, from 2018 Baseline (50% by 2030 and 100% by 2040)

**Objective 1: (Increase electric home heating)** By 2032, 50% of Island homes (10,000) will have air source heat pumps for home heating and domestic hot water.

**Objective 2: (Increase home energy audits)** By 2025 energy efficiency programs will be expanded with ?% of homes having Cape Light Compact energy audits and #? having master energy plans under the Energy Transformation Program (ETP).

**Objective 3: (Increase electric vehicles)** By 2032, the number of newly Island-registered electric vehicles will exceed the state forecast of 46% by 10%, for a total of 56%.

**Objective 4: (Increase electric commercial vehicles)** By 2032, all fleet vehicles (UPS, school buses, police, fire, Fed Ex., etc.) will be 100% electric.

**Objective 5: (Transition SSA to hybrid/electric)** As the Steamship Authority and passenger ferries are replaced, they are replaced with hybrid or electric models.

## Goal 2: Increase the percentage of our electricity use that is renewable and generated regionally (within New England)

**Objective 1: (Increase island solar energy generation)** By 2032, 15% of our electricity is generated by solar on-island

**Objective 2: (Foster regional renewable electric supply)** By 2030 Increase the amount of baseline renewable electricity, 30% above the renewable portfolio standard (RPS) in the standard power supply. (CLC metric)

**Objective 3: (Increase participation in CLC renewable option)** By 2027, 10% of all residential ratepayers are either opting into the 50% or 100% local renewable generation products provided by Cape Light Compact

**Objective 4: (Increase renewable benefits for low/moderate income)** Implement mechanisms for low to moderate income islanders to gain the benefits from new renewable sources (through lower rates).

## Goal 3: Ensure that our energy supply is both adequate and resilient in response to the impacts of climate change

**Objective 1: (Energy preparedness plans completed)** By 2023, assemble, categorize, and analyze energy related preparedness plans already in place for all critical facilities at town and regional levels.

**Objective 2: (Plan in place to work with Eversource)** By 2024, we have developed a plan with Eversource as to how we can meet the island's resilience needs.

**Objective 3: (New builds meet current/future Stretch Code requirements)** From 2023 on, aid the implementation of the Stretch Code and its future iterations to ensure new builds are increasingly resilient to the impacts of climate change.

**Objective 4: (Microgrids support critical facilities)** By 2030, all municipalities and regional entities have incorporated microgrid technology to service their critical facilities

# Next Steps

- This feedback will be provided to all working groups to make adjustments as necessary
- If you have more feedback please share it with the facilitation team: Liz Durkee, [durkee@mvcommission.org](mailto:durkee@mvcommission.org), Meghan Gombos, [meghan.gombos@gmail.com](mailto:meghan.gombos@gmail.com), Cheryl Doble, [csdoble@outlook.com](mailto:csdoble@outlook.com)
- Thematic Working Groups will continue to develop plan components focused on implementation steps and measures of success/progress
- Climate Action Week is happening May 8-14th and include events island wide.
- One final survey - open ended responses for comments on implementation



**THANK YOU FOR YOUR TIME & FEEDBACK!**

Please keep checking back on our progress at:  
[www.vineyardway.org](http://www.vineyardway.org)

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