

ALL DRAFT CAP GOALS & OBJECTIVES

Overarching Comments (not specific to one thematic area or goal/objective):

- *Please think about reordering sections to keep the reader's attention and build credibility and acceptance*

Jon's notes during March 11, TVY Steering Committee meeting

- Need for data, measurable outcomes
- Aspirational goal of support for energy bills for low income families
- Note: “

CAP Energy Transformation

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

Objective 1: By 2032, 50% of Island homes (10,000) will have air source heat pumps for home heating and domestic hot water, (with success measured through annual surveys of product suppliers). *Note: About 700 ASHPs are installed annually.*

Possible Actions discussed:

- By 2027, __% for ASHPs
- By 2027 __% hybrid electric water heaters
- A targeted program to transition low and moderate income housing to all-electric structures, including weatherization and insulation improvements as needed is established by _____

Comments to Objective:

- *100% for new construction and major renovations, whether commercial or*

residential

Objective 2: By 2032, the number of newly Island-registered electric vehicles will exceed the state forecast of 46% by 10%, for a total of 56%, (measure of success).

Possible Actions discussed

- All island rental cars are electric by 2027
- All new construction includes installation of wiring and conduit to location designated for future EV charger
- Steamship Authority provides incentives for electric vehicle adoption
- Incentives provided to support low/moderate income purchasing of electric vehicles

Comments to Objective:

- SSA provides EV chargers at Palmer Ave, WH, and other lots?
- SSA installs EV chargers on vessels?

Objectives 3: By 2032, all delivery vehicles (UPS, school buses, Fed Ex, etc.) will be 100% electric

Possible Actions discussed:

- 12 school buses electric by 2027
- School committee has approved a plan for school bus electrification by 2023

Comments to Objective:

- What about police, fire, and public works vehicles? Also, add something about lawnmowers, hedge trimmers, leaf blowers, ATVs, jetskis, and other really inefficient users of fossil fuels?

- Can towns dis-incentivize use of the above-mentioned gas guzzlers by “buying them back” from residential users and implementing bans against them for commercial users? For instance, some communities in the US have “bought back” guns, perhaps MV towns could buy back leaf blowers in order to discontinue their use? And provide free rakes or pay for high school youth to work/volunteer on residential properties without leaf-blowers?

Objective 4: As Steamship Authority and private passengers ferries are replaced, they are replaced with hybrid or electric models

Possible Actions discussed:

- Ensure that SSA and private passenger ferries are planning for electric ferry infrastructure

Comments to Objective:

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

Objective One: By 2032, 15% of our electricity is generated by solar on-island (Eversource data – backed up with state – 9% solar now)-

Comments to Objective:

- is this realistic? Do analysis in Energy Working Group. Total kwh generated on island increase from baseline?
- Change “fraction” to “percentage” - because fraction sounds small.
- Also, all new construction and major renovations to include rooftop solar with 50% of other existing buildings to have rooftop solar - like the heat pump objective.

Objective Two: By 2030 Increase the amount of baseline renewable electricity, 10% above the renewable portfolio standard (RPS) in the standard power supply. (CLC metric)

Comments to Objective:

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Objective Three: By 2027, 10% of all residential ratepayers are either opting into the 50% or 100% local renewable generation products provided by Cape Light Compact

Possible Objective Four: Establish a way for low to moderate income islanders to receive their power from renewable sources.

Comments to Objective:

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Possible Objective: Targeted program for solar and battery backup for low to moderate income rate payers

Comments to Objective:

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

Objective 1: By 2023 we will have developed island-wide resilience rubrics to help towns define resilience as it pertains to their critical facilities as we shift our dependence on fossil fuel to renewable energy sources and by 2024 every town on the island will have established resilience standards for their critical facilities.

Comments to Objective:

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Objective 2 – By 2024 we have a plan in place as to how Eversource will meet the island’s resilience needs -- such as a 5th cable, undergrounding of key services, microgrid support, increased battery storage at their facility, replace private electric services to make them more resilient -- and by 2024 we will have an island wide organization in place to work directly with Eversource and other stakeholders to meet our needs.

Comments to Objective:

- Do we need a 5th cable if we have a lot of solar on island, including every building, eventually?

Objective 3: By 2023 building inspectors ensure that all towns are similarly enforcing the energy codes and that architects and contractors are meeting or exceeding the Stretch Code to make structures more energy efficient and thus more resilient.

Comments to Objective:

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Food Security

Goal 1: 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

Comments to Goal:

- Food Security should not be the second topic. I think a lot of readers will resist this one. Put Economic Resilience second to draw people in and put this nearer to the end.

Objective 1: By 2027, increase aquaculture production, shellfish diversity, and processing ability by 30%

Comments to Objective:

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Objective 2: By 2027, Increase the amount of home gardens by 30% (to be tracked by ???)

Comments to Objective:

-

Objective 3: By 2030 there is a 30% Increase in square footage of greenhouse space devoted to year round food production

Comments to Objective:

- Include the high school's horticulture infrastructure in planning and make use of it, allowing public use (perhaps on weekends) for community growing

Objective 4: ID public land spaces that can be transformed into models of food production - food forest in every town by 2027

Comments to Objective:

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Objective 5: By 2030, Island farmers have increased regenerative farming practices (define regenerative) by 65%, to be determined by pre-and-post biodiversity surveys

Comments to Objective:

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Possible Objectives

- Increase regional trading routes
- ID food growers edible landscaping and small scale food production

Comments to Possible Objective Topics:

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

Comments to Goal:

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Objective 1: By 2028, there is an island-wide resilient network of food processing, storage, and distribution centers with enough food to feed the island population for 2-3 weeks

Comments to Objective:

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Other Possible Objectives

- Create metrics around the different components of the existing objective that captures
 - Physical
 - Social
 - Education
- Local program to support food insecure
- Islander or visitor population -might be a whole other objectives – intersection with PH&S group – so underprepared for any large event in the summer. Stocking and unstocking. (Could go into schools and food pantry)

Comments to Other Possible Objectives:

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Economic Resilience

Goal 1: By 2040, a regional framework ensures our businesses are able to prepare, respond, and recover from crises created by climate change through access to financial, informational, and other resources?

Comments to Goal:

- This should be the second topic - or the first. I think this will grab people's attention.

Objective 1: By XXX a regional office under the county is developed to support climate action preparedness and recovery for business with guidance from an Economic Development Council made of key island stakeholders

Possible action: Incentive program

Comments to Objective:

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Other Possible Objective Topics

- Adapting existing businesses to be more sustainable (energy efficient/sustainable)
- Supporting vulnerable businesses to transition in more economically sustainable businesses
- On-going funding needs

Comments to Possible Objective Topics:

- Help make business premises flood ready - by elevation where necessary.

Goal 2: By 2040 we have a local, capable, and motivated workforce that has equitable access to jobs in a diversified, resilient, and sustainable economy?

Comments to Goal:

- Maybe this should be goal 1 under this topic
-

Objective 1: By 2027, a job training network is training local residents for identified climate change-related jobs and a diversity of climate-resilient, environmentally sustainable jobs.

Comments to Objective:

- This is super important

Other Possible Objectives

Obj.: Workforce housing - Percent of housing that is affordable for those jobs identified in asset mapping. Policy that each town institutes a policy to increase availability of workforce housing commensurate with result of housing study in objective #2.

Island-wide agreement on scale of housing will be provided and towns will share in burden to provide their share.

(provide statement an act of allyship that recognizes complex and interrelated nature of the work we are doing and support and momentum those leading affordable housing issues. Percent of housing that is affordable for those jobs identified in asset mapping.)

Obj.: By 2025 produce an asset map of existing capacity of job/economy sectors to facilitate transition from current tourism/beach economy and other vulnerable industries to more climate-resilient, sustainable economy, including supply of labor and demand. Study #2 - how much workforce housing is needed to do this?

Obj.: Growth and support of sectors for success and marketing

Comments to Other Possible Objectives:

- Workforce housing should definitely be part of this document.
- Maybe change “transition from current tourism/beach economy” to something more like “changes in current tourism/beach economy.” As long as the island exists, it will and should attract retirees and wealthy people who want a beautiful place that is away from the mainland and different from the Cape.

Land Use, Natural Resources, and Biodiversity

Goal 1: By 2040 land use decision making prioritizes protecting public safety and ecosystems potentially impacted by climate change

Comments to Goal:

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Objective 1 - By 2026 development in harm's way is discontinued or managed through regulations to minimize climate risks to public safety

Comments to Objective:

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Other Possible Objectives:

- Address existing structures in harm's way – means of protection, managed retreat
- Restoration of degraded salt marshes
- The ability of salt marshes to migrate inland as the sea rises, when there are structures in the migration path
- Natural landscaping and green infrastructure

- Open space protection

Comments to Other Possible Objectives:

- Restoration of trees lost to storms and old age and development and Eversource, etc.
- Encourage more trees and rain gardens on private and public property.
- Encourage porous asphalt and permeable pavement wherever possible, including for town roads. Create rain catchment areas. Redirect rainwater runoff away from the ocean. The landscape needs to hold rainwater. All new construction should handle rainwater runoff on site

Goal 2: By 2040, natural resources and biodiversity on Martha’s Vineyard are cooperatively managed to maintain habitat health, connectivity, and resiliency

Comments to Goal:

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Objective 1: By 2024, a map of current habitat corridors including state-listed priority species is complete for public and private lands and waters

Comments to Objective:

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Objective 2: By 2025, an annual conservation summit convenes where conservation orgs identify data gaps and collaborative projects that promote connectivity and resilience

Comments to Objective:

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Goal 3: By 2040 we will have protected [more detail?] our watersheds and single source aquifer against the increasing pressures of climate change and population growth

Comments to Goal:

- The aquifer should probably be goal 1.

Objective 1 - Watershed Assessment

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.

Comments to Objective:

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Objective 2 - Aquifer assessment

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.

Comments to Objective:

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Objective 3 – Watershed restoration

Nitrogen mitigation strategies have been identified, approved, funded, and implemented for each priority watershed by 2027 and all other watersheds by 2030.

Comments to Objective:

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Objective 4 - Aquifer protection

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.

Comments to Objective:

- This should probably be objective 1. Ensure that population growth and residential and other development are managed so as not to exceed what the aquifer can handle

Public Health and Safety

Goal 1: By 2040, in order to provide for the safety of all residents and visitors, we have effective county-wide emergency preparedness, response, and recovery, including multilingual communication and adequately equipped shelters

Comments to Goal:

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Objective 1: By 2024 we have a secure regional database of residents, road associations, vulnerable populations and key health needs and personal emergency infrastructure.

Comments to Objective:

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Objective 2: By 2025 a permanent regional emergency manager in place with town commitment and sufficient multi-lingual support to meet community needs

Comments to Objective:

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Objective 3: By 2027 Preparedness, response and post disaster recovery plan (including long term sheltering) developed and approved by all towns

Comments to Objective:

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Objective 4: By 2026 the regional shelter is adequately stacked and staffed with red cross certified shelter volunteers and multilingual (ASL, Spanish, Portuguese, etc.) interpreters and translators

Comments to Objective:

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Objective 5: By 2026 Island wide CERT self-sustaining team network established (staffed, well trained, and funded)

Comments to Objective:

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Goal 2: By 2040 as we face the challenges of climate change, we will recognize the relationship between environmental and human health and have equitable aid and opportunity for health and wellbeing with specific attention to those most vulnerable in the community

Comments to Goal:

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Objective 1: By 2024 we have funded and hired and public health and education coordinator to promote health related climate change awareness

- Possible Action:

- Multilingual flyers, posters, that can disseminate information

Comments to Objective:

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Transportation & Infrastructure

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

Comments to Goal:

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Objective Number One: By 2024 Community prioritization of values and assets (beach access, towns, hospital) asset mapping, how and when is climate change going to impact the assets? How do we value those assets with a broader vision for the socio-economic future of the Island?

SUGGESTED REVISION: By 2024, a prioritized asset map of vulnerable roads, essential services and environmental and recreational resources has been completed to guide decision-making for a resilient road network.

Comments to Objective:

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Objective Number Two: By 2026 create a vision (time frame) of how a climate friendly transportation system should be, ID what adaptation alternatives should be considered, costs for adaptation steps, and quickly establish no regret measure for the near term.

SUGGESTED REVISION: By 2026, climate-resilient alternatives have been identified for priority roads and no regret measures* established for the near term to build a resilient road network.

*Measures that can begin to be enacted now to provide immediate and future benefits without being certain about all dimensions of future climate change.

Comments to Objective:

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Other Possible Objectives:

- Commitment from MA DOT to address and fund adaptation of state-owned vulnerable roads
- How to prioritize alternative transportation
- How to prioritize green infrastructure in adaptation strategies and road repair and maintenance
- Funding sources for adaptation

Comments to Other Possible Objectives:

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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.

SUGGESTED REVISION: By 2040 key strategies have been implemented to build resilience of our supply chain infrastructure (e.g. port infrastructure, ferry services, harbors, airport).

Comments to Goal:

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Objective One: By 2024, the MVC Climate Action Task Force will complete a supply chain map or study of inbound and outbound goods, materials, and services to understand the specific impacts of climate change to guide island wide planning. (including all the players)

Comments to Objective:

-

Objective Two: By 2025 a regional supply chain stakeholders and island representatives have identified island wide priorities and developed and action plan to reduce dependency and to maintain reliable access

Comments to Objective:

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Other Possible Objectives:

- Define what we need to plan for (climate projects - best/worst scenarios - raising/relocation) Improve relations/communication with SSA to build it into planning for ports

Comments to Other Possible Objectives:

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