**CAP Actions with Town Leads/Partners**

**LAND USE, NATURAL RESOURCES AND BIODIVERSITY**

**GOAL ONE: By 2040, land use decision-making prioritizes public safety and ecosystems values potentially impacts by climate change.**

**Objective One:** By 2024, identify and map coastal and inland land vulnerable to flooding, land vulnerable to extreme wildfire risks, and associated ecosystems, and land suitable for undevelopment that significantly contribute to climate resilience and public safety.

**Action 1.1** All existing, relevant mapping is collected and synthesized

**Lead**: MVC

 **Partners**: Assessors, Town Con Coms, CZM, TTOR, STP

2023

**Action 1.2** Required new mapping is identified, created, and added to the overall synthesis.

**Lead**: CAP Thematic Working Groups, MVC

 **Partners**: Same as above, SMF Trail app

2023-24

**Objective Two:** By 2028 develop tools to protect and enhance prioritized ecosystems that provide public safety benefits.

**Action 2.1** Complete pilot Sengekontacket Pond Salt Marsh Migration Study.

**Lead:** OB Planning Board and Con Com, MVC

(Phase I completed: Phase II set to begin (ID Septic systems in migration zone)

 **Partners**: Village and Wilderness (V&W)

2022

**Action 2.3** Commission a comprehensive shoreline management plan to include developing policies for future public beach management (i.e., inland migration or beach nourishment) and coastal armoring

**Lead**: MVC

 **Partners**: Towns, County, TTOR, Barrier Beach Task Force, pond association,

**Action 2.4** Assess health and migration potential of Island salt marshes and ID priority salt marshes for restoration.

**Lead**: MVC, Young

 **Partners**: Town Con Coms, pond associations

2025

**Action 2.5** Develop an Island-wide DCPC to enable salt marsh migration.

**Lead**: MVC?

 **Partners:** Non-profits, land trusts, pond associations, riparian owners, MV Shellfish Group, Town Shellfish Departments, MV Fishermen’s Trust

**Action 2.7** Update Town Wetlands Bylaws and regulations for coastal and inland wetlands and flood zones and recommend special conditions for wetlands protection permits

**Lead**: Reestablish All Island Conservation Commission through MVC

 **Partners**: DEP, CZM, potential consultant

2026

**Action 2.8** Investigate the concept of an Island-wide DCPC to regulate and minimize new coastal armoring.

**Lead**: (MVC) VCS?

 **Partners**: All Island Conservation Commission

2026

**Objective Three:** By 2026, development in harm’s way is discontinued or managed through local, regional, and state regulations to minimize climate risks to public safety.

**Action 3.1** Develop an MVC DRI Policy for flood risk areas and update other relevant DRI Policies.

**Lead:**

**Partners:**

**Action 3.2** Collaboratively update town floodplain bylaws based on current climate science, in a manner that is consistent town by town, and that addresses relocation/removal of damaged or at-risk coastal structures.

**Lead**: All Island Planning Board, Planning Board staff, MVC

 **Partners**: Barnstable County Floodplain Specialist

2024

**Action 3.3:** Create an Island-wide map of potential receiver sites to which habitat and infrastructure might migrate, due to flooding, sea level rise, or other climate impacts.

**Lead**: Towns, MVC, possible consultant

 **Partners**:

2024

**Action 3.5** Implement Wildfire Management Plan and work with PH&S TWG to develop shared messaging addressing contradictions regarding biodiversity and public safety.

**Lead**: Fire Chiefs

 **Partners**: MVC, Public Safety, Conservation groups

2025

**Action 3.6** Implement a pilot program to undevelop vulnerable areas to allow for ecosystem protection and migration.

 **Lead**: MVC, V&W

 **Partners**: Towns

2028

**Action 3.7** Design an outreach program to help the community become more aware and develop an increased comfort level with the idea of undevelopment.

**Lead**: MVC, V&W

 **Partners**: Towns

2028

**Action 3.8** Develop a decision-making and implementation process for towns to turn suitable undeveloped land into stormwater retention sites that also serve as public open space.

**Lead**: MVC, consult

 **Partners**: Towns

2030

**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 Two:** By 2024 with the guidance of the Tribe the Island has established minimum standards for the use native vegetation for municipally maintained greenspaces

**Action 2.3.** Bring together towns/park commissioners to develop set of guidelines which includes the installation and maintenance of native plant species of public lands.

**Lead**: Natural Neighbors in partnership with students (Felix Neck), Tribe

**Partners**: Garden Club, Towns, VCS

2024

**Action 2.4** Adopted by towns (Action 2.3)

**Lead**: Town Climate and Energy Committees, Con Coms

**Partners**: Biodiversity Works, VCS

**Objective Three:** By 2025, a maximum % disturbance per acre is established for all new development over one acre except for the purpose of restoring native ecological habitat.

**Action 3.1** Define disturbance – and use a graphic design to demonstrate scenarios that incorporate ecological landscape design.

**Lead:** MVC

**Partners:** Polly Hill, Towns

2024

**Action 3.2** Bring together Town Planning Boards to develop set of regulation recommendations which includes minimum disturbance %.

**Lead**: MVC

**Partners**: VCS

2024

**Action 3.3** Adopted by Towns (Action 3.2)

**Lead**: Town Climate and Energy Committees, Con Coms

**Partners**: Polly Hill

2025

**Goal Three: By 2040 we will have protected our coastal ponds and single source aquifer against the increasing pressures of climate change and population growth.**

**Objective One:**  Nitrogen mitigation and other pollutant strategies have been identified, approved, funded, and implemented for each priority coastal ponds by 2027 and all other coastal ponds by 2030**.**

**Action 1.1** Create an interdisciplinary team to conduct a biannual review (spring and fall) of current monitoring, study results, and how they inform land use decision making, policy, mitigation actions, and future management decision needs

**Lead:** MVC Climate Planner and consultant

**Partners:** MVC, BOH, Con Com, Shellfish Constable, Tribe, GPF, Pond Associations, EPA, CZM, WHOI

2023

**Action 1.2** Create a water monitoring network to coordinate water sampling and testing and to share data and findings.

**Lead:** MVC

**Partners:** GPF

Tribe, BOH, Shellfish Constable, Con Com, Pond Associations, nonprofits

2023

**Action 1.3** For each coastal pond identify what data has been collected and what data is missing and necessary to readjust nutrient limits so that the thresholds are sustainable through 2040

**Lead:** Interdisciplinary Team with consultant

**Partners:** MVC, Boards of Health (BOH), Con Com, Shellfish Constable, Tribe, GPF, pond associations, DEP, CZM

2023

**Action 1.5** Implement mitigation strategies that have been proven to be effective based on existing and on-going studies (e.g., IA systems, green stormwater management, permeable reactive barriers, shellfish remediation and fertilizer reduction/banning, pond opening, dredging, shell recovery) and mitigation measures that come from future research such as the phragmites study.

**Lead:** MVC

**Partners:** BOH, DPW, Con Com, Shellfish, Tribe, GPF EPA, DEP

2022-24+

**Objective Two:** By 2026, Island-wide 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.

**Action 2.2** A completed study identifies the biggest threats to the safety and sustainability of our sole source aquifer. Threats have been identified, evaluated, and mapped, with respect to current and future (2040) land use, consumption, recharge and population projections and water use thresholds are adjusted for 2040 climatic condition.

**Lead:** MVC, consultant

 **Partners:** Municipal Water Departments, BOH, State agencies

2025

**Action 2.3** Conduct a study to inform land use decision making and regulations for commercial, public, private, and residential land development to protect the aquifer and avoid draw down.

**Lead:** MVC

 **Partners:** MVC, Municipal Water departments, BOH, Planning Boards, Conservation Agents and State Agencies

2026

**Action 2.1** Monitor the aquifer, follow historical trends, population increase, and changing weather patterns to that could impact the aquifer’s current and future health and sustainability.

**Lead:** MVC

 **Partners:** Municipal Water Departments, BOH, conservation agents, Mill Brook Committee(?)

2023+

**TRANSPORTION, INFRASTRUCTURE, AND WASTE**

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

**Objective One:** By 2026, identify, evaluate, and prioritize an Island-wide network of transportation and infrastructure assets and vulnerabilities that are important to support a thriving Island community.

**Action 1.1** Develop regional protocol for town-by-town assessments.

**Lead:** MVC

**Partners:** Towns, SSA

2023

**Action 1.2** Establish Island-wide community values in the face of climate change to guide town by town assessments

**Lead:** MVC

**Partner:** Towns, SSA (MVP, Master Plans)

2023

**Actions 1.3** By 2024, complete town by town assessments of infrastructure assets and vulnerability to multiple hazards using standard regional protocol that forms the basis for further planning.

**Lead:** Towns

**Partners:** MVC, Planning Boards, Climate Committees, DPW, wastewater, emergency managers, airport, SSA, 2024

**Objective Two:** By 2026, design climate-resilient and regional transportation and infrastructure networks including ports and airports, including greener (non-fossil fuel) transportation options, and no regret measures.

**Action 2.1**. Develop near-term no regret measures for roads and infrastructure based on Storm Tide Pathways project results.

**Lead**: MVC

**Partners:** JTC, MA DOT, County, Towns, SSA

2025

**Action 2.2** Assessment of carrying capacity of inland transportation routes and potential for new connectors when coastal roads are no longer viable

**Lead:** MVC

**Partners:** JTC, MA DOT, Towns

2026

**Action 2.3** Design complete streets system away from combustion engines and with an emphasis on walking, biking, ride shares, and public transit.

**Lead:** MVC

**Partners**: JTC, MA DOT, Towns

2026

**Action 2.4.** Reimagine vulnerable roads and plan for, and fund, sustainable longer-term solutions.

**Lead:** MVC

**Partners:** JTC, MA DOT, Towns

2026

**Objective Three:** By 2030 a model climate change assessment protocol is in use by which new road and infrastructure investments are made with an emphasis on green infrastructure.

**Action 3.1** Develop a pilot near-term green infrastructure project to help inform protocol.

**Lead:** MVC

**Partners:** Towns, to be determined, DPW

2024

**Action 3.2** Develop protocol that assesses climate impacts on roads and infrastructure and proposes measures to minimize and mitigate the impacts of salt and fresh water flooding, using green infrastructure when possible.

**Lead**: MVC

**Partners:** MA DOT, Towns

2025

**Goal 2: By 2040 a long-term resiliency plan for our supply chain is being implemented to ensure an adequate flow of goods, materials, and services needed.**

**Objective One:** By 2030 maintain reliable access and service around the following areas:

 - Material and Energy (including areas that reduce dependency)

 - People and services

 - Communication and Information

**Action 1.3** Regional supply chain stakeholders identify Island wide priorities and develop a resilience plans to promote local production and minimize importing of those materials.

**Lead:** MVC CATF

**Partners:** Town Climate Committees, include MA gov depts (e.g. MEMA)

2025

**PUBLIC HEALTH AND SAFETY**

**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 One:** 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 Association.

**Action 1.1** Reach out to Aquinnah CERT for vulnerable population criteria, reach out to public health and social services organizations to identify vulnerable population, compile data, and create database, using Aquinnah as a test case.

**Lead:** DCEMA

**Partners:** Town Council on Aging, MVC, public health and social services agencies /Aquinnah CERT Team/Reg. Emergency Manager

2023

**Objective Three:** By 2026 a preparedness, response, and post-disaster recovery plan has been adopted and will be overseen by the regional emergency manager in cooperation with all towns.

**Action 3.1** Determine what emergency plans exist in each town (make public) and coordinate to determine necessary modifications.

2025

**Action 3.2** Develop and implement regional emergency preparedness, response, and recovery plan.

**Lead:** Prospective Emergency Manager

**Partners:** Volunteer emergency agencies, MVC, Town departments, hospital, SSA, airport, faith communities, food agencies, etc.

2029

**Objective Four :** By 2026 one or more regional shelters are adequately stocked and staffed with certified shelter volunteers.

**Action 4.1** ID prospective sites, staff needs, populations served, purpose, and supplies/logistics, secondary non-school shelter, ensure that shelter locations are not located on vulnerable sites, ensure transportation, resource needs, and trained volunteers, MOUs up to date (shelters for those unable to shelter in place).

**Lead:** Emergency managers, regional Emergency Managers, Red Cross, Salvation Army, CERTS, Fire Depts., EMTs

2024

**Action 4.2 -** Enhance volunteer training program

**Lead:** Emergency Managers, local CERT teams

**Partners:** Red Cross, Salvation Army

2024

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

**Action 5.1** - ID trainers, seek and train volunteers, determine age requirements for volunteers, and seek funding for material costs, and related expenses; possible ACE MV for training, junior firefighting program.

Lead: Emergency Managers

2022

**Objective Six:** By 2025, the regional wildfire plan is implemented, including training and specialized

**Action 6.1** – DCR/MVC/Fire Chief coordination

**Lead:** Fire Departments

2027

**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 Two:** By 2024 Disseminate a set Island-wide bilingual video and other outreach materials to educate the public about the health impacts from climate change on the following topics.

 - Updated overview/summary of how various health impacts link to climate change

 - Wildfire

 - Floods

 - Temperature extremes

 - Vector borne disease

 - Food security

 - Food and water borne disease

 - Air pollution, Allergens, and pollen

 - Mental health and stress related disorders

**Action 2.4** Disseminate materials through Dukes County Health Council and community partner networks and outreach events

**Lead:** I2 Population Health Specialist (12)

**Partners:** Disseminate to:

Libraries, Council on Aging, Schools, community services, health care providers, heads of clubs and organizations, businesses (e.g., landscapers at nurseries), collaboration with I2 partners

2024

**Objective Three:** By 2025 the subcommittee works with inter-Island public health excellence collaborative to conduct quarterly outreach events for health care providers and the and other targeted groups

**Action 3.1.** Work with town Health Agents to agree on topics covered and target audience/approach

**Lead:** I2 Population Health Specialist

 **Partners:** I2, Health Agents, DCHC Sub-committee

On-going

**Action 3.2** Implement quarterly outreach events through coordination with experts and key audiences (health care providers, students, seniors, etc.)

**Lead:** I2 Population Health Specialist

 **Partners:** I2, Health Agents, DCHC Sub-committee

On-going

**ECONOMIC RESILIENCE**

**GOAL One: 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 One:** By 2030, an Island-wide vision for a sustainable and resilient future economy is established.

**Action 1.1**. Economic sub-committee of the Climate Action Task Force is established.

Include: Members of Town Business association, Building Ass., Lodging Assoc., Chamber of Commerce, real estate, retail, building

Model: Barnstable County

**Lead:**  MVC

**Partners:** Dukes County Commission, Commerce, MA -EOHED, Cape Economic Development Council and Town planning (Capital Improvement Committees- town administrators), CET/ACE MV

2023

**FOOD SECURITY**

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

**Objective Three**: By 2027, substantially increase the number of Islanders growing and harvesting food for themselves and their families.

**Action 3.4**

 Secure and establish perennial food production areas in public spaces in every town.

**Lead:** IGI

**Partners:** Town Select Boards, Parks and Rec Committees, MVC

2028

**Objective Four :** By 2030, increase aquaculture production by 30%

**Action 4.2** Conduct an Island-wide analysis to evaluate shellfish and edible seaweed production capacity and site suitability for different species.

 - Work with towns review possible sites, user needs and amount they would allow for aquaculture and restoration.

 - Prepare towns for permitting through DMF for interested parties and for restoration sites.

 - Explore opportunities to increase shellfish and seaweed species diversity.

**Lead:** MV Shellfish Group

 **Partners:** Graduate student/Vision Fellow; Shellfish Constables and MV Shellfish Group (Mapping); DMF, WHOI, MBL (analyze profitability), Sea Grant

**Objective Five:** By 2030, increase local purchasing of locally harvested seafood.

**Action 5.2.** Increase institutional purchasing of local seafood, in schools and the hospital.

**Lead:** MV Seafood Collaborative

**Partners:** IGI; schools; MV Hospital

2025

**Objective Six:** By 2032, commercial fishing and aquaculture are safeguarded as sustainable livelihood options

**Action 6.1** Work with towns to ensure adequate waterfront space is prioritized, adapted, and preserved to support commercial fishing use (docks with booms, loading space, lots to store gear).

**Lead:** Dan and Greg Martino/ Working Waterfronts

 **Partners:** Harbor Advisory Committee, Select Boards, IGI, FPT, DMF, MVC, conservation organizations, Shellfish Constables

On-going

**Action 6.2:** Develop fishing clubs and/or mentorships to improve inter-generational connections and increase interest of the next generation of fishers.

**Lead:** MV Fishermen’s Preservation Trust and MV Shellfish Group

 **Partners:** Island schools; existing commercial fishermen and aqua culturists

2025

**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 One:** By 2028, there is an Island-wide energy resilient network of food processing, storage, and distribution centers

**Action 1.3** Identify suitable locations, distribution methods and routes, and design distribution centers to ensure accessibility (location, physical accessibility, and language).

**Lead:** IGI

**Partners:** MVC; Town Planning Boards, Island Disability Coalition

2025

**Action 1.4** Build or retrofit existing structures to become energy-resilient distribution centers.

**Lead:** IGI

**Partners:** Emergency Managers, Planning Boards

2028

**Objective Two:** By 2029 there is a consistent 2–3-week supply of food available on island for the year-round population throughout the year, which can also be accessed in the event of an emergency.

**Action 2.1** Coordinate food equity providers with Salvation Army, town Emergency Managers, Tribal Rangers, and local grocers to establish communications and define roles around food distribution during emergency events

**Lead:** IGI

**Partners:** Salvation Army, Red Cross, Island Food Equity Network, Emergency Managers, Kinship Heals, Wampanoag Tribal Rangers

2023

**Action 2.2** Simulate an emergency event to ensure communications is resilient and accessible (multi-lingual, visual and oral, and through proper channels such as WhatsApp).

**Lead:** IGI

 **Partners:** Emergency Managers, Island Food Equity Network, Community Ambassador Program, Wampanoag Tribal Rangers, Salvation Army

2023

**Action 2.4** Educate the year-round and seasonal communities about the importance of having emergency food supplies on hand, and what emergency food kits should contain; create

kit.

**Lead:** IGI

**Partners:** Emergency Managers, landowners of rental properties; realtors who oversee rental properties

2025

**ENERGY TRANSFORMATION**

**Goal One: By 2030, reduce fossil fuel use on the Island from the 2018 baseline, 50% by 2030 and 100% by 2040.**

**Objective One:** By 2030, increase energy performance of new and/or existing commercial and residential buildings

**Actions 1.1** Support Cape Light Compact as needed in establishing a Home Energy Assessment baseline and implementation goal for the years 2022 to 2024, including number of completed Home Energy Assessments and installed weatherization and insulation recommendations. This action will be updated every three years based on the next Three-Year Energy Efficiency Plan.

**Lead:** CLC

**Partners:** Energy Transformation Coordinator/Vineyard Power (ETC/VP), Town Energy Committees

Every 3 years

**Action 1.2** Annually, in collaboration with Cape Light Compact, evaluate and identify gaps in Home Energy Assessments, including ensuring that customers receive Home Energy Reports that outline their path to electrification.

**Lead:** ETC/VP

**Partners:** Energy Logic, Town Energy Committees, CLC

Annually

**Action 1.3** By 2025, all Island towns have adopted proposed net zero building code

**Lead**: Town Energy Committees

**Partners:** MV Builders Assoc., Building Inspectors, Select Boards

2025

**Objective Two:** By 2032, 55% of Island homes (10,000) will have air source heat pumps for home heating and domestic hot water.

**Action 2.1** By 2023, launch an Energy Education Campaign focused on building energy use, including a network of energy coaches to provide information to residents, businesses, and building trades.

**Lead:** ETC/VP

**Partners:** MV Builders Assoc., Building Inspectors, CLC

2023

**Action 2.2** By 2027, 30% of all Island homes will have adopted heat pump technologies for heating and domestic hot water

**Lead:** ETC/VP

**Partners**: CLC/Rise, Town Energy Committees, Energy Logik, HVAC installers, plumbers

2027

**Action 2.3** Between 2022 and 2024, 55 low-income residences have been converted to 100% electric heat pumps and 15 to heat pump hot water heaters, including weatherization measures and insulation improvements as needed. This action will be based on the next Three-Year Energy Efficiency Plan

**Lead:** CLC

**Partners**: ETC/VP, HVAC installers, insulation contractors, Dukes County Housing Authority, Island Housing Trust, Town Energy Committees, Councils on Aging

2024

**Action 2.5** By 2025, all new construction and major renovations (50% or more of gross floor area is being renovated) in all six towns are required to be 100% electric

**Lead:** Town Energy Committees

**Partners:**

2025

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

**Action 3.1** By 2023, launch an Energy Transition program focused on electric vehicle adoption.

**Lead:** ETC/VP

**Partners:** MV Airport, Rental Car companies, Select Boards, Town Energy Committees

2023

**Action 3.2** By 2024, an Island-wide master plan of charger locations, level two, and level three chargers, has been prepared and approved

**Lead:** MVC energy planner

**Partners:** Eversource, Town Energy Committees, Select Boards

2024

**Action 3.4** By 2025, all new residential construction and major renovations include installation of conduit to convenient charging location and breaker in electric panel for future EV charger.

**Lead:** Town Energy Committees

P**artners:** MV Builders Assoc., PSD Consulting, Eversource, MA DEP

2025

**Action 3.7** By 2027, the Steamship Authority provides preferences in rates, booking, and parking at Palmer Ave. lot for electric vehicles.

**Lead:** MVC energy planner

**Partners:** SSA, Select Boards, Dukes County

2027

**Objective Four:** By 2032, all fleet vehicles will be 100% electric

**Action 4.1** By 2027, at least ten school busses are electric

**Lead:** School Committee

**Partners:** VTA, School Department, MVC energy planner, CATF

2027

 **Goal Two: Increase the percentage of our electricity use that is renewable and generated regionally (within new England)**

**Objective Two:** By 2030 Increase the amount of baseline renewably generated electricity, 30% above the renewable portfolio standard (RPS) in the standard power supply.

**Action 2.1** Work with CLC staff and board and CLC board reps from MV to commit to this objective through the following targets:

5% by 2025

15% by 2027

30% by 2030

Lead: MV Cape Light Compact (CLC) Reps

Partners: CLC

2030

**Objective Three:** 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

**Action 3.1** Get baseline of # of existing participants

**Lead**: MV CLC Reps

**Partners**: CLC, Energy Transition Coordinator, VSEC

2022

**Action 3.2** Creation of outreach materials, Highlight Tax deductible – premium that you pay

**Lead**: MV CLC Reps

**Partners**: CLC, Energy Transition Coordinator, VSEC

2023

**Action 3.3**  Work with CLC to implement an Education Campaign –

 - realtors provide info to new homeowners

 - through electricians

 - general contractors

 - Fundraisers

 - Film festival -30 sec movie clip before movies

 - Town meetings – C&E committees

 - Islands Talk -FB

**Lead**: MV CLC Reps

**Partners**: CLC, Energy Transition Coordinator, VSEC

On-going

**Objective Four:** Increase participation in programs targeting low to moderate income Islanders to gain the benefits from new renewable sources (through lower rates).

**Actions 4.1:** Increase Awareness and enrollment into low-income access program and increased benefits from RAP fund

**Lead**: CLC and MV CLC Reps

**Partners**: Community Services, Food Bank, Tribe

On-going

**Objective Five:** Develop a targeted program for solar and battery backup for low to moderate income rate payers

**Action 5.1** Advocate for CLC Cape and Vineyard Electrical Offering.

**Lead:** MV CLC Reps

**Partners:** CLC

2022

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

**Objective One:** By 2024, all Island towns have developed a plan based on Island-wide standards/guidelines for energy resilience in the face of extreme weather events and prolonged power failure.

**Action 1.1** Working with Town Emergency Managers, and the Dukes County Emergency Manager Coordinator, by 2023 we will develop Island-wide resilience standards/guidelines to help towns evaluate the resiliency demands of their critical facilities in times of severe weather events and prolonged power outages.

**Lead**: MVC Energy Planner, Town, and County Emergency Managers

**Partners**: Town Energy Committees, Director of Town Facilities/DPW, Climate Committee

2023

**Action 1.2** By 2024, each Island town will develop and approve a plan to provide that resilience using both generators and power from renewable sources with emphasis on renewable sources going forward.

**Lead**: Town Emergency Managers

**Partners**: MVC Energy Planner, Town Facilities Manager, Energy/Climate Committees, VSEC

2024

**Objective Two:** By 2024, we have developed a plan with Eversource as to how we can meet the Island’s resilience needs.

**Action 2.1** By 2023, identify Island solar/battery projects and schedules for projects coming online by 2030 that increase island resilience and reduce peak energy demand. Provide these lists to Eversource. Update yearly.

**Lead**: MVC CATF Energy Group

**Partners**: Town Energy/Climate Committees, Vineyard Power

2023

**Action 2.3** By 2024, there is an organization created specifically to work with Eversource to shepherd this plan and monitor progress

**Lead**: MVC CATF Energy Group

**Partners**: MVC Energy Planner, Town Energy Committees

2024

**Objective Three:** 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.

**Action 3.1** Outreach to Building Inspectors, architects, and builders regarding Stretch Code modification expected 1 Jan 2023, with transition in calendar 2023, including new incentives from Cape Light Compact.

**Lead:** ETC/VP

**Partners:** Town Building Inspectors Group, Energy and Climate Committees, CLC

2024

**Action 3.2** Training on the Stretch Code modifications and new Cape Light Compact incentives are provided for architects and contractors, and they are meeting or exceeding codes on their projects

**Lead:** ETC/VP

**Partners:** Building Inspectors, State BBRS Training programs, ACE MV

2024

**Action: 3.3** Building inspectors are working together to ensure that all are using the same metrics

**Lead:** Building inspectors

**Partners:** ETC/VP

2024

**Objective Four :** By 2030, all municipalities and regional entities have incorporated microgrid technology to service their critical facilities.

**Action 4.1** Identify municipal facilities and sites for the location of microgrids to provide island resiliency.

**Lead:** Town Emergency Managers, MVC Energy Planner

**Partners:** Town Energy/Climate Committees, Facilities/DPW Directors

2023

**Action 4.2** Prepare an engineering study to identify optimal technology for the development of microgrids that meets the needs of identified facilities, addresses battery safety, and responds to specific site conditions.

**Lead**: MVC energy Planner

**Partners:** Town Emergency Managers

2025

**Action 4.3** Begin public procurement processes for microgrid development. Draft and issue RFPs that incorporate results from actions 4.1 and 4.2.

**Lead:** Town Administrators

**Partners:** MVC Energy Planner, CVEC, Vineyard Power

2026

**Action 4.4** Install microgrids at town, county, and regional critical facilities.

**Lead:** Town Administrators

**Partners:** MVC Energy Planner

2026-2030