

Bryan C. Haughey

Subject: MVP-HMP Planning Grant Meeting with CMRPC- Holland MA
Location: Community Room - Holland Town Hall - 27 Sturbridge Rd Holland MA

Start: Wed 4/13/2022 12:00
End: Wed 4/13/2022 14:00
Show Time As: Tentative

Recurrence: (none)

Meeting Status: Not yet responded

Organizer: Bryan C. Haughey
Required Attendees: Town of Holland Selectmen; Clelland Johnson <clelland.johnson.selectman@gmail.com>; Holland Town Administrator; Ernest Fancy; Town of Holland Finance Board; hallerr@cox.net; Town of Holland Planning Board; Town of Holland Board Clerk; Trish Settles | CMRPC

To: Board of Selectmen
Clelland Johnson- Selectman
Stacy Stout- Town Administrator
Ernest Fancy- Vice-Chair Finance Board
Richard Haller- Chair- Open Space & Trails Committee
Planning Board

cc: Val Lundin- All Boards Clerk
Trish Settles- Deputy Director CMRPC

Greetings,

I have arranged an in-person meeting with the Central Massachusetts Regional Planning Commission CMRPC for Wednesday, April 13, 2022, beginning at 12:00 PM in the Holland Town Hall Community Room.

CMRPC is the provider we selected for the joint MVP-HMP Planning Grant we received earlier this year. This will be our first meeting with them and will be an introduction, an overview of what is expected, and a working session to discuss logistics and the next steps in the planning process.

As you may be aware, this grant requires us, (the Town), to establish a core team of individuals to work with the provider. At this time the team consists of Clelland Johnson, Stacy Stout, Ernest Fancy, and me. I have also received correspondence from Richard Haller (Chair- Open Space & Trails Committee) and the Planning Board, expressing interest in participating in the project. As a result, I have included all in this email and invite you to attend.

The Town Hall is located at 27 Sturbridge Rd and is situated at the corner of Sturbridge Rd and East Brimfield Rd. There is a parking area to the left of the Town Hall, off East Brimfield Rd, and the front entrance to the Town Hall faces East Brimfield Rd. After you enter the building through the front door the Community Room will be on your right.

Respectfully,

Bryan C. Haughey
Chief of Police
Holland Police Department
27 Sturbridge Rd
Holland, MA 01521

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Dispatch: 413-245-7222

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Facebook: <https://www.facebook.com/HollandMAPD/>

Twitter: @HollandMAPD

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Holland Municipal Vulnerability Preparedness (MVP) Kickoff Meeting

Date/Time: April 13, 12:00 PM

Location: Community Room - Holland Town Hall - 27 Sturbridge Rd Holland MA

AGENDA

- Introductions
- Provide HMP & MVP Program Background, if needed
- Roles & Responsibilities
 - Town
 - Assemble Core Team (participates in prep meetings, workshop and listening session)
 - Help CMRPC identify and secure access to relevant data or staff to inform plan
 - Identify stakeholders to invite to workshop and lead invitation/RSVP process
 - Provide scribes for workshop
 - Lead outreach for public listening sessions
 - Provide feedback on summary of findings report
 - Grant reporting and documentation of in-kind match
 - CMRPC
 - Organize and lead Core Team meetings
 - Organize and lead workshop, including preparation of presentations and other materials (maps, handouts, etc.)
 - Organize and lead public listening session
 - Prepare and submit summary of findings report
- Project Phases & Preliminary Schedule

<u>Phase</u>	<u>Completion (to be determined)</u>
○ Assembly of local planning team, kickoff	Date:
○ Information gathering <ul style="list-style-type: none">▪ Natural hazards▪ Critical infrastructure and facilities	Date:
○ Stakeholder and public involvement	Date:
○ Mitigation strategy development	Date:
○ Plan narrative development and submission	Date:
○ Plan adoption	Date:
- Local Core Team Meetings/Council Presentations
 - Meeting #1 (kickoff)
 - Meeting #2 (workshop planning)
 - Meeting #3 (workshop prep)
 - CRB Workshop
 - Listening Session #1 (during production of draft plan – setting is flexible)
 - Interviews with key staff for HMP (EMD, highway surveyor, etc.)
 - Meeting #4 (review mitigation strategies)
 - Listening Session #2 (final plan and request for adoption @ BoS)
- In-Kind Match/Other/next meeting

MUNICIPAL STAFF COMMITMENT

The municipality must provide sufficient staff time (estimated at 120-200 hours) to assure completion of this planning exercise and community engagement:

- Paperwork; selecting and contracting vendor
- Help establish a core team within the town or region to steer the project
- Help identify and complete outreach to critical stakeholders, partners and town officials for workshop(s) and public listening session(s)
- Help coordinate, schedule, send invitations and attend planning meetings and workshop(s) and listening session(s)
- Find sufficient volunteers to serve as scribes during the workshop(s)
- Help coordinate staff interviews with key experts to collect information prior to the workshop(s)
- Provide MVP provider access to relevant planning documents, budget information, and other information on as needed useful to conducting the planning exercise, including access to;
- With MVP Provider, complete and send 3 progress reports to EEA with information on progress and spending to date, and submit final deliverables and invoice
- With consultant support as budget allows, complete at least one public listening session to engage the broader public in a discussion of the workshop results and completed report
- Continue municipal outreach and engagement, using the completed report to inform existing planning and project activities

MVP PROVIDER COMMITMENT

The MVP state certified provider must provide sufficient time (estimated at 120-240 hours) to complete the following tasks:

- Meet with Municipal Project Manager to set out project scope, timeline, and compile list of data needs; help with stakeholder mapping; and, set schedule for workshop(s)
- Meet with Community Core team 2-3x to help plan for workshop(s) and collect information
- Conduct several interviews with key municipal staff
- Prepare materials for workshop including:
 - Basemaps of town with critical layers
 - Climate change data relevant to the town and summary of potential impacts
 - Relevant planning documents and other existing town information about current hazards
 - Risk matrix
- Serve as the lead facilitator during workshop(s) and bring 4-5 facilitators (or as many breakout groups planned) to assist as table facilitators.
- Designate town leads or skilled volunteers to be scribes at each table
- Document all workshop outcomes and prepare final risk matrix and summary reports
- Work with town to submit all materials to Commonwealth



Common Pitfalls to Avoid

- Be prepared to know what's already been done in the municipality
 - Read any Master Plans, Hazard Mitigation Plans, etc. to know the top hazards and be ready to address these.
- Provide reminders that the goal is to identify action items and to prioritize them to assist the community in taking first steps towards resilience
 - Encourage groups to move actions from conceptual to shovel-ready or implantation ready
- Make sure facilitators take time to fully explain any mapping resources provided at the workshop tables
 - E.g., Hurricane SLOSH maps, geospatial climate projections, nature-based solution, etc.
- Who shows up to the workshop hugely shapes the outcome
 - Assure a broad cross-section of the community stakeholders are represented at the workshops
 - Facilitators should ensure all voices are heard
- The CRB framework is facilitation heavy
 - Please ensure that the workshop is appropriately staffed with enough table facilitators and pre-appointed scribes for each table

MR/ MS	First Name	Last Name	Department	Street Address	RSVP Y/N	Attended
			Highway Dept.			
			Admin. Secretary			
			Adult Day care facility			
			Agricultural Committee			
			Animal Shelter			
			Army Corp. Engineering			
			Board of Health Member			
			Board of Selectmen Member			
			Boys and Girls Club			
			Building Inspector			
			CERT Teams			
			Chamber of Commerce			
			Conservation Commission			
			Council on Aging			
			Cultural Council			
			DCR			
			Department of Dam Safety			
			Diversity Group			
			Economic Development			
			Emergency Management Director			
			EOEEA- MVP Regional Coordinators			
			Fire Chief			
			Golf Course			
			Housing Authority			
			Lake/River Association			
			Land Trust Members			
			Library			
			Local business			
			Local Construction Co.			
			Local Engineering Firms			
			Local Farmers			
			Local Non-Profits			
			Local Realtors Associations			
			MA Fish & Wildlife			
			Mass Audubon			
			Mass Dot			
			MBTA/WRTA			
			Natural Gas Provider			
			Neighboring Town MVP Core Team Member			
			Neighboring Town MVP Core Team Member			
			Neighboring Town MVP Core Team Member			
			Neighboring Town MVP Core Team Member			
			Neighboring Town MVP Core Team Member			
			Other Muni. Employees			
			Planning Board Member			
			Police Chief			
			Power Company			
			Rail Road			
			Rail Trail			
			Recreation Committee			
			School Superintendent			
			Senior Center			
			Sewer Department			
			State Rep.			
			Storm Water Committee			
			Sudbury Valley Trustees			
			Sustainable Group			
			Town Manager			
			Utility Company			
			Veterans Rep.			
			Waste Transfer Provider			
			Water Dept.			
			Youth Commission			



Municipal Vulnerability Preparedness Grant Program

Executive Office of Energy and Environmental Affairs

MVP Action Grant Funded Project Descriptions

FY22 MVP Action Grant Projects

Grantee: Acton (& Acton-Boxborough Regional School District)

Project Title: Climate Action Plan and Electrification Roadmap

Award: \$157,940

The Town of Acton and ABRSD will use MVP Action Grant funding to support the: 1) development of a Climate plan to reach net zero carbon emissions as quickly as possible while enhancing local resilience; and 2) development of an Electrification Roadmap, an analysis of action steps and priorities for electrification of seven key existing public buildings.

Grantee: Andover

Project Title: Shawsheen River Watershed Land Conservation Planning and Prioritization for Climate Resilience and Environmental Justice

Award: \$131,700

The grant will fund an assessment of properties along the Shawsheen River to identify and prioritize parcels for future land acquisition, with the goal of increasing climate and flood resiliency. The assessment will focus on properties that could provide flooding relief to the most flood-prone areas in downtown Andover, including repetitive loss areas, as well as down-stream environmental justice communities in neighboring Lawrence.

Grantee: Ashfield

Project Title: Baptist Corner Road Stream Crossing Ecological Improvements

Award: \$448,600

The project will involve the replacement of the Baptist Corner Road Culvert over a tributary to the Bear River to fully meet the Massachusetts Stream Crossing Standards and future modeled climatic conditions. The design will increase flood resiliency, reduce community risk, and restore natural habitats.

Grantee: Athol

Project Title: Greening Lord Pond Plaza Phase 2

Award: \$213,630

Phase 2 of the Greening Lord Pond Plaza is intended to advance the findings from Phase 1 planning efforts to a 100% construction design plan and secure the necessary funds to move the project into construction in 2024. The Greening Lord Pond Plaza Climate Resilience Plan developed for Phase 1 presents preliminary feasibility analysis and conceptual design for the plaza. Phase 2 will finalize a design that achieves infrastructural, social, and environmental conditions to increase the climate resilience of Lord Pond Plaza and downtown Athol.

Grantee: Belchertown

Project Title: Land Conservation and Restoration of the Scarborough Brook Headwaters for Climate Resilience

Award: \$480,025

Belchertown will conduct a multi-pronged project focused on the headwaters of the Scarborough Brook watershed and the Scarborough Brook Conservation Area (SBCA) to increase habitat and water supply resilience under future climate conditions.

Grantee: Belmont

Project Title: Stormwater Flood Reduction and Climate Resilience Capital Improvement Plan

Award: \$195,000

The primary goal of this project is to identify the current and future stormwater flooding risks through Belmont in the context of climate change. The development of a 2-D stormwater model will assist in the confirmation of flood issues and the evaluation of resilience alternatives. Ultimately, the project will coalesce into an infrastructure improvement plan that prioritizes nature-based solutions in environmental justice neighborhoods that would offer multiple co-benefits like open space improvement, air quality improvements, water pollution load reduction, pollution control, or urban heat island reduction.

Grantee: Bolton (& Clinton)

Project Title: Nashua River Communities Resilient Lands Management Project

Award: \$302,691

This project aims to improve residents' quality of life and to enhance ecosystem services in the participating towns through the development and adoption of better land management practices and by-laws and regulations updated to better affect climate mitigation and adaptation.

Grantee: Braintree

Project Title: Smith Beach Green Infrastructure Project

Award: \$47,500

The project will take conceptual plans to create full construction drawings and specifications including all necessary permitting. The proposed project will include a design for increased tree canopy, vegetated islands, permeable pavement, and a subsurface stormwater infiltration and treatment system. These improvements would divert stormwater for 10 acres around the site, reducing nuisance flooding in the road and improving water quality at Smith Beach. Additionally, increasing vegetation and tree canopy will cool the area adjacent to the beach.

Grantee: Bridgewater

Project Title: High Street Dam Removal

Award: \$750,000

The Town will remove an existing dam on High Street referred to as the High Street Dam and/or Jenkins Pond Dam and replace the existing High Street Bridge ("road stream crossing"), which is a series of four undersized culverts with a single span. The project considers climate altered precipitation and complies with the Massachusetts Road Stream Crossing Standards.

Grantee: Buckland (& Ashfield, Hawley)

Project Title: Watershed-Based Assessment and Climate Resiliency Plan for Clesson Brook

Award: \$100,117

The Town seeks to complete a fluvial geomorphic assessment of the Clesson Brook Watershed, develop a baseline of physical conditions that will lead to a hydrologic model and projections for future conditions, create a database of stream crossings, and create a priority list for parcels within the Clesson Brook to focus conservation and restoration efforts.

Grantee: Burlington

Project Title: Vine Brook Watershed and Urban Heat Island Assessment

Award: \$108,500

The project is intended to address urban flood impacts from extreme precipitation and urban heat island effects from anticipated extreme climate events. This project will evaluate this highly developed watershed for opportunities to implement nature-based solutions to address any anticipated impacts due to climate change.

Grantee: Chelsea

Project Title: Battery Storage System and Solar at Chelsea City Hall

Award: \$624,000

The objectives of the project are (1) to increase resiliency in the face of climate-change-induced vulnerability to storms and flooding; (2) to eliminate fossil fuel use and reduce environmental impacts of both on-site and grid-based generation; and (3) to complete the municipal-buildings phase of the Chelsea Community Microgrid. Grant funds will be used for a battery energy storage system (BESS), solar power, energy efficiency, and green-fueling installations at the city hall and the 911 building.

Grantee: Conway

Project Title: South River Flood Resiliency Project

Award: \$191,200

The goal of the project is to continue work from FY20 Mohawk Trail Woodlands Partnership MVP project in the Town of Conway. The main tasks are to secure environmental permits for flood resiliency projects; additional hydraulic and hydrologic modeling; public engagement on NBS and resilient rivers; and land acquisition.

Grantee: Deerfield

Project Title: Healthy Soils, Green Infrastructure and Climate Resiliency Public Engagement in Deerfield

Award: \$40,951

The goal of this project is to actively engage the general public, businesses, students, and town boards in the town's climate resiliency initiatives. Grant funds will be used to implement Deerfield's innovative new town policy on green infrastructure and climate resiliency, protect and manage soils for carbon sequestration, and increase public engagement through a town-wide climate resiliency forum and science class programming in local schools.

Grantee: Dennis

Project Title: Pound Pond, Dennis- Flood Mitigation and Storm Drainage Improvements

Award: \$120,010

This project will provide engineering, public outreach, and permitting for the final phase drainage system improvements originating at Route 28 and extending along Division Street and Chase Avenue to the Nantucket Sound. The concept design for this final phase, located at Pound Pond, addresses both water quality and flooding. The design utilizes bioengineering to enhance the natural system, stabilize shorelines and improve water quality; and culvert daylighting to improve flood plain function and habitat diversification.

Grantee: Easthampton

Project Title: Cherry Street Green Infrastructure and Slope Restoration Construction

Award: \$2,000,000

Easthampton will construct designs developed and permitted under their FY21 MVP Action Grant project for stream bank restoration and stabilization at the Cherry Street outfall and reconstruction of Cherry Street. This project will build resiliency to increased precipitation by infiltrating stormwater in addition to adding tree cover for shade. It will also build new sidewalks for better walkability, safety, and enhanced connectivity to open space and resources in this EJ community.

Grantee: Everett (& Chelsea)

Project Title: Island End River Flood Resilience Project

Award: \$716,500

The City of Chelsea and Everett seek to continue their joint efforts to promote flood resilience in the Island End River (IER) corridor. This project will focus on evaluating flood wall alignments in Everett and initiating design work on a selected alignment while continuing work in Chelsea to address future environmental remediation activities under the Massachusetts Contingency Plan (MCP) and to initiate permitting activities. Community engagement through advisory groups of both residents and private business stakeholders will continue in this phase of the project.

Grantee: Falmouth

Project Title: Conceptual Design of Flood-Resiliency Improvements for Sewer Infrastructure

Funding: \$104,040

The project will build on the findings of completed MVP projects to evaluate multiple alternatives and determine a recommended approach to allow the Town's vulnerable infrastructure to survive a design storm event.

Grantee: Fitchburg

Project Title: Bolstering Public and Private Action to Improve Flood Resilience in Baker Brook

Award: \$173,350

The project team proposes to revise and enhance the existing stormwater model to further evaluate potential flood prone areas and solutions. The improvements will be scored and prioritized for the benefits to environmental justice populations, the reduction of an urban heat island, and other co-benefits to the community. The final product will be a targeted capital improvement plan for identified and assessed public properties and a pilot retrofit program for specific private properties. The feasibility of financing this program through a stormwater and climate resilience utility will be explored.

Grantee: Foxborough

Project Title: Advancing Green Infrastructure in Foxborough for Enhancing Climate Resilience through Planning and Design

Award: \$166,543

This project will site and design green infrastructure to alleviate flooding and protect water quality in an Area of Critical Environmental Concern. The project will also create a master plan to guide future implementation of green infrastructure while simultaneously engaging climate vulnerable populations and portions of the community who are often left out of these conversations.

Grantee: Framingham

Project Title: Walnut Street Neighborhood Flood Mitigation – Design and Permitting

Award: \$269,030

The project will include design and permitting for wetland, stream channel, and streambank restorations to reduce flooding. The project includes the removal of an earthen berm in the wetlands complex between Walnut Street and Stony Brook Road that has experienced flooding. The berm will be replaced with an elevated boardwalk providing ADA accessible, safe, and walkable access through an environmental justice neighborhood to connect community amenities. The project also includes robust public engagement including climate leadership for teens, youth programs, and targeted outreach to various segments of the community.

Grantee: Gloucester

Project Title: Gloucester Climate Action and Resilience Plan (CARP)

Award: \$69,890

Gloucester will develop a city-wide Climate Action and Resilience Plan (CARP). The plan will serve to identify and inventory Gloucester’s community greenhouse gas (GHG) emissions, renewables, and sequestration resources. This baseline will help the community in identifying the highest priority and most feasible solutions to put Gloucester on track to meet its long-term energy, climate, and resiliency goals.

Grantee: Groveland

Project Title: Johnson Creek Watershed Resiliency Project

Award: \$82,186

The purpose of the project is to provide a detailed watershed-wide vulnerability study relative to potential future climate change conditions to improve resiliency throughout the Johnson Creek Watershed. Project activities will include assessments at key watershed locations and development of a hydrologic and hydraulic model to identify and quantify areas of flooding concern throughout the watershed relative to potential future conditions. A prioritized action plan will be developed to increase resiliency throughout the watershed. The action plan will prioritize recommended nature-based solutions.

Grantee: Hampden (& East Longmeadow)

Project Title: Hampden/East Longmeadow Infrastructure Assessment and Prioritization of Nature-Based Solutions and Public Outreach and Participation

Award: \$389,092



The project will include the assessment of infrastructure and prioritization of nature-based solutions, the development and maintenance of a comprehensive public outreach and participation program, and education of the public and DPW staff on best management practices, low impact development, green infrastructure, and native plantings.

Grantee: Haverhill

Project Title: Little River Dam Removal and River Restoration

Award: \$475,000

The City intends to build on its FY21 Dam Removal Feasibility Study and is apply for funds to develop designs and complete permitting processes for the removal of the Little River Dam and restoration of the river corridor as the next step toward implementation. To date, no major hurdles are foreseen for the removal of the dam, which is expected to reduce the extent of flooding risk and provide shade and river access for cooling and recreation in the heart of an EJ community. The design concept developed under the first MVP Action Grant includes community amenities in the EJ neighborhood, such as a fishing platform, a kayak/canoe launch, and a walking trail along the river. The dam removal project is thus at the core of a larger urban revitalization effort.

Grantee: Ipswich

Project Title: Ipswich River Sewer Interceptor Bank Bio-stabilization Project

Award: \$117,803

The Town of Ipswich received a FY20 MVP Action grant for final design of the Ipswich River Sewer Interceptor and Siphon replacement project. Construction of the sewer interceptor and siphon is nearing completion. This project will conduct bio-stabilization of the northern bank of the Ipswich River, implementing nature-based solutions to improve natural systems while protecting critical sewer infrastructure.

Grantee: Lenox (& Pittsfield, Stockbridge, New Marlborough)

Project Title: Housatonic Stream Restoration for Regional Flood Resilience Project

Award: \$295,190

Four communities (Lenox, Pittsfield, Stockbridge, and New Marlborough) will embark on regional, community-wide culvert assessments of approximately 400 culverts, and design the replacement of three priority culverts. A unique feature to this project is the component of youth development—youth from Environmental Justice communities will be hired to conduct the assessments. In target areas, upstream and downstream assessments with a developed nature-based assessment protocol will identify sites for future projects that will allow stormwater to infiltrate, slow flow, restore floodplain, and shore up erosion that has occurred due to increased precipitation.

Grantee: Leominster

Project Title: Monoosnoc Brook Bank Stabilization Project

Award: \$167,625

The project will complete the final design of the Monoosnoc Brook Bank Restoration Project, having completed the preliminary design and permitting phase of the project, partially funded by an FY21 MVP Action Grant. The resilient design, a naturalized slope edge that includes naturalizing of a downgradient culvert structure, was selected through collaboration with interested community members and



informed by modeling of future climate change projections. The goals of the project are to complete a final design with input from the permitting agencies and continued collaboration with the community.

Grantee: Leverett

Project Title: Shutesbury Road Culvert Enhancement

Award: \$258,750

The project will replace this corroding, poorly embedded, and significantly perched culvert with an embedded natural stream culvert.

Grantee: Lynn

Project Title: Barry Park Green Infrastructure Project

Award: \$147,367

This project proposal includes the design, engineering, and construction of Low Impact Design solutions in and adjacent to Barry Park. LID elements include the construction of a previous parking area, rain garden and/or bioswale along the perimeter to the parking area, and a minimum of two bio-swailes along a short stretch of Balchelder's Court leading to the park's parking area. The project seeks to mitigate flooding and improve stormwater management and water quality.

Grantee: Lynnfield

Project Title: Richardson Green Conservation Acquisition

Award: \$1,638,750

The project goal is to acquire the 20-acre Richardson Green property for conservation of the natural resource values provided by maintaining the land in its wooded, undeveloped state. The property sits within the Lynnfield Center Water District Zone II for drinking water and the Lynnfield Groundwater Protection Area.

Grantee: Malden

Project Title: Malden River Works for Waterfront Equity and Resilience

Award: \$354,600

The project goal is to transform the City's Department of Public Works (DPW) yard on the Malden River for better climate change preparedness, and to create a vibrant, resilient public riverfront park for all. The main tasks covered within this application include developing the design from a 25% level to 75% Plans and permitting, and the continuation of ongoing community participation in the project under the leadership of Malden residents of color.

Grantee: Marlborough

Project Title: Regulatory Updates to Support Climate Resiliency

Award: \$56,250

The project will include expert review and update of city ordinances related to development for climate resiliency. A design guidance document will also be developed.

Grantee: Marshfield

Project Title: Marshfield Long-term Coastal Resiliency Plan

Award: \$78,030



The goal of the proposed project is to proactively address future coastal flooding and erosion risks by developing a long-term coastal resiliency plan. The plan will be guided by the best available climate change data; will identify and prioritize the most at-risk sections of town; will include a benefit cost analysis; and will develop a set of guiding principles and recommended zoning policies that will allow the Town to proactively reduce vulnerabilities in these areas, and if necessary, rebuild in a more resilient way after a catastrophic event.

Grantee: Mashpee

Project Title: Watershed-based Solutions to Increase Resilience to Harmful Algal Blooms in Santuit Pond in a Warmer and Wetter Climate

Award: \$131,691

The Town of Mashpee proposes to leverage the 2010 Diagnostic Study and over a decade of water quality monitoring to develop a multi-prong approach to improve the resilience of Santuit Pond to a warmer and wetter climate. The approach: (1) develops concept design for nutrient pollution reduction at key wet water input locations around Santuit Pond and carries one design forward to permitting, (2) reviews and provides recommended changes to municipal bylaws to reduce nutrient impacts to all surface waters in Mashpee, and (3) creates a robust public education and outreach program that incorporates the knowledge and perspective of the Wampanoag.

Grantee: Melrose (& Upper Mystic Communities)

Project Title: Working Across Boundaries to Minimize Stormwater Flood Damage in the Upper Mystic Watershed

Award: \$108,655

This project (an “exposure analysis”) will document where flood damage occurs, and create measures of its social, economic, and infrastructure costs, especially to low-income residents of color. The project team will then come up with a toolbox of policy strategies geared toward cost-effective, multiple-benefit solutions for the most vulnerable areas. Year 1 work will include updating the regional stormwater model with the flood exposure analysis. Year 2 work will include reviewing local regulations, hosting regional workshops to discuss reducing directly connected impervious areas (DCIA) and producing recommended regulation changes to coordinate DCIA reduction strategies across the Upper Mystic.

Grantee: Melrose (& Malden, Medford)

Project Title: Melrose, Malden, and Medford Building Resilience, Efficiency, and Affordability Project

Award: \$101,108

The project will collaboratively develop complimentary sustainable and resilient building design standards for residential and mixed-use developments and retrofits that are co-created in consultation with community members. In particular, the community members will be those from Environmental Justice communities and other populations with high exposure to climate-driven extreme weather.

Grantee: Mendon

Project Title: Mendon Town Hall Campus Green Stormwater Infrastructure: Design through Contractor Mobilization

Award: \$169,905

The purpose of this project is to construct green stormwater infrastructure (GSI) controls at the Town Hall Campus using a suite of nature-based solutions to manage, treat, and infiltrate stormwater runoff using practices such as rooftop runoff capturing planters, bioretention, pervious pavers, infiltration systems, and depaving a portion of the existing driveway and parking lot northwest of Town Hall. The project will also include a robust public engagement campaign documenting the benefits of nature-based solutions.

Grantee: Methuen (& Lawrence)

Project Title: Searles Pond/Bloody Brook Corridor Resilience Planning

Award: \$80,250

Working with project partners Groundwork Lawrence, Merrimack River Watershed Council and the City of Lawrence, the City of Methuen will conduct resilience planning in the Searles Pond/Blood Brook corridor of Methuen and Lawrence— EJ neighborhoods vulnerable to flooding because of inadequate infrastructure. Tasks associated with resilience plan development include a robust civic engagement process, conditions assessment, and alternatives evaluation.

Grantee: Millbury

Project Title: Armory Village Green Infrastructure Project- Phase II

Award: \$366,000

The project aims to address the stormwater capacity and heat island impacts of climate change within an Environmental Justice community, as well as minimize inputs of non-point source pollutants throughout Millbury Center that enter the Blackstone River. Vegetated bump outs, rain gardens, bioswales, porous pavers, perforated underdrains, deep sump catch basins, intersection diets, and street and parking lot areas will work together to reduce heat island impacts and stormwater runoff volumes/pollutant loads, increase groundwater recharge, and help address routine localized flooding and system capacity issues.

Grantee: Millis

Project Title: Flood Resiliency Plan

Award: \$170,000

The Town of Millis has widespread flooding problems, and they are expected to worsen in the future due to the impacts of climate change. This project will develop a Flood Resiliency Plan that will mitigate current and future flooding problems in the Town.

Grantee: Natick (& Charles River Watershed Communities)

Project Title: Building Resilience Across the Charles River Watershed Phase II

Award: \$233,085

The implementation plan will include design for up to four site-specific flood mitigation projects within the Charles River watershed that are prioritized by the project team with public input, as well as policy tools and resources to support each municipality in achieving non-site-specific strategies that the model demonstrates to be effective, such as reducing impervious surface cover and increasing green infrastructure. The policy guideline will mainstream climate adaptation through local processes and actions.

Grantee: Natick (& Framingham, Ashland)

Project Title: Building Relationships and Resilience with MetroWest Environmental Justice Neighborhoods

Award: \$127,150

This project is focused on increasing the resiliency and engagement of Environmental Justice populations in the MetroWest communities of Natick, Framingham and Ashland. As part of their work, municipal staff will complete an equity training and will collaborate with community liaisons to develop a better understanding of regional climate equity and resilience needs. The project will culminate with a series of Community Climate Conversations, in which municipal staff and residents from priority neighborhoods work together to share findings and discuss a path forward. At this project's conclusion, each municipality will update its climate-related plans to reflect feedback received from EJ populations and will identify strategies for sustaining and strengthening the relationships established during the project.

Grantee: New Bedford

Project Title: New Bedford Green Infrastructure Master Strategy and Implementation Roadmap

Award: \$432,440

The proposed Green Infrastructure Master Strategy and Implementation Roadmap will take a holistic look at all the City's major drainage areas and assess existing and proposed future drainage and combined sewer system infrastructure outlined in the City's Long-Term Control and Integrated Capital Improvements Plan and other City projects. The proposed plan will strive to preserve and enhance New Bedford's coastal areas, rivers, streams, ponds, wetlands, and other resource assets.

Grantee: Northbridge

Project Title: Carpenter Road Causeway Alternatives Analysis and Source Water Green Infrastructure Protection Plan

Award: \$146,100

This project looks to protect water quality and improve the resilience of drinking water supplies servicing two communities. By creating a long-term plan for the use of green infrastructure and the evaluation of climate resilient alternatives for key infrastructure in need of repair or replacement, this project will improve the resilience of a vital public water supply.

Grantee: Norwood

Project Title: Traphole Brook Flood Prevention and Stream Restoration Project

Award: \$682,421

This MVP Grant will be used to pay for the cost of removing the Mill Pond Dam. The dam is obsolete and will fail during intense and prolonged storm events, the type associated with the impacts of climate change.

Grantee: Oak Bluffs (& Tisbury, West Tisbury, Edgartown, Chilmark, Aquinnah, Gosnold)

Project Title: Martha's Vineyard and Gosnold Climate Action Plan, Phase II

Award: \$173,843

This project (Phase II) will be a comprehensive, locally driven CAP for the 7 towns that make up Dukes County. The CAP will address six critical regional climate impact themes. The project will result in a final



plan, an interactive dashboard website, and an implementation strategy. The process is highly inclusive of EJ/vulnerable populations and focuses on community engagement and nature-based solutions.

Grantee: Peabody (& Salem)

Project Title: Peabody-Salem Resilient North River Corridor & Riverwalk Project

Award: \$150,000

Ongoing redevelopment and the identification of a gap in the region's expanding multiuse path network has brought a renewed focus to the North River Corridor's vulnerability to climate change impacts. This project will evaluate climate change impacts on this area and identify potential nature-based solutions.

Grantee: Pepperell

Project Title: Sucker Brook Continuity Restoration

Award: \$492,030

This is the on-the-ground construction phase of a project to remove a dam and replace two undersized, failing culverts on Sucker Brook, a cold-water fishery of high ecological value. The dam removal and replacement culvert designs will restore the stream's natural processes, exceed MA River and Stream Crossing Standards, and rely on stream restoration as a nature-based solution to reconnect fragmented sections of the brook and build community resilience by addressing multiple climate change impacts.

Grantee: Plymouth

Project Title: Subterranean Resiliency: Predicting, Assessing and Mitigating Saltwater Intrusion

Award: \$304,915

Using groundwater models, the project team will predict vulnerable areas, suggest nature-based solutions, establish an early warning system, and guide future development. The project will also include a robust outreach and education program on an Indigenous philosophical foundation.

Grantee: Revere

Project Title: Gibson Park Resiliency Design and Permitting

Award: \$161,516

The project addresses the impacts of climate change and storm surge caused by extreme weather events and creates a space that is more resilient to withstand the impacts of sea level rise. The project seeks to design for coastal restoration and protection measures, landscape sculpting, bioswales, raingardens, and unique and practical flood water storage capacity to alleviate impact to the park and adjacent areas while simultaneously increasing the recreational potential of the surface area of Gibson Park.

Grantee: Sandwich

Project Title: Dynamic Adaptation Pathways and Prioritized Resilient Design Solutions for Historic Sandwich Village

Award: \$79,789

The project will work with Town department heads, the Chamber of Commerce, and MassDOT to develop flexible adaptation pathways and design priority near-term implementation projects to reduce vulnerability to sea level rise and storm surge in Historic Sandwich Village. The project will include outreach to local partners and the public via the Heritage Museums & Gardens.

Grantee: Saugus

Project Title: Saugus Climate Adaptation and Resilience Plan

Award: \$74,500

The Saugus Climate Adaptation and Resilience Plan will comprehensively assess the top four (4) hazards identified in the MVP Planning process by the community. The Plan will assess both inland and coastal flood risks and other hazards such as the Urban Heat Island effect. The plan will include quantitative and qualitative vulnerability and risk assessments which will inform the development of future-looking adaptation scenarios. The Plan will result in preferred resilience strategies, including policy, nature-based, and structural recommendations, along with costs estimates and a roadmap for implementation.

Grantee: South Hadley

Project Title: Queensville Dam Removal Feasibility Study and Buttery Brook Watershed Enhancement

Award: \$125,000

South Hadley is seeking an MVP Action Grant to fund a feasibility study for removal of Queensville Dam, located at Titus Pond on Route 116/Newton Street; restoration and ecological enhancement of the Titus Pond impoundment to increase flood storage capacity and habitat function; and downstream watershed improvements along Buttery Brook.

Grantee: Southborough

Project Title: Planimetric Impervious Surface Mapping Project

Award: \$22,875

The project will increase understanding of the amount of locations of impervious surfaces in Southborough. The planimetric data layers will allow departments to assess the ability to reduce impervious surfaces, create a sustainable funding source through a fee-based system, and educate the public on nature-based solutions.

Grantee: Southwick

Project Title: Klaus Anderson Road/Johnson Brook Replacement Culvert and Green Infrastructure

Award: \$728,300

The Town will construct a replacement stream crossing at the Klaus Anderson Road/Johnson Brook culvert and upgradient green infrastructure components. This project will implement the plans that were designed and permitted under the Town's FY19 MVP Action Grant, and the replacement crossing will meet the Massachusetts Stream Crossing Standards.

Grantee: Springfield

Project Title: Trees, Homes, and People/ Creating a More Resilient Living Environment

Award: \$2,000,000

Project tasks include the construction of a resilient Forestry Operation Center as well as community outreach through neighborhood councils to increase civic engagement and build social and economic resilience in Environmental Justice communities.

Grantee: Tewksbury

Project Title: Stormwater Analysis for Nature-Based Solutions and Community Co-Benefits

Award: \$193,935

The Town will develop a stormwater analysis on municipal and vacant Town-owned parcels that could be used for nature-based solutions and flood storage, while considering opportunities for affordable housing and regional benefits.

Grantee: Waltham

Project Title: Bringing Climate Resilience to Beaver Brook

Award: \$362,000

Waltham completed a flood mitigation and stormwater improvement plan as part of their FY22 MVP Action Grant that ranked the proposed resiliency measures in Beaver Brook as a top priority for mitigating flooding in an environmental justice neighborhood. This project will implement a suite of flood mitigation actions: 1) brook restoration design and permitting, 2) stream crossing improvement designs and permitting, and 3) wetland storage preliminary design.

Grantee: Watertown

Project Title: Equity-Based Community Greening Program

Award: \$94,240

The Town will conduct an equity-based green infrastructure program. This program will utilize data to reveal the most climate-vulnerable areas of Watertown and will result in green infrastructure investments in those target neighborhoods.

Grantee: Wellfleet (& Truro, Eastham, Brewster, Barnstable, Bourne)

Project Title: Regional Low Lying Road Assessment and Feasibility

Award: \$236,258

The project will identify and assess roads and road segments prone to flooding. Feasible strategies will also be identified, including nature-based solutions, to reduce vulnerability to coastal hazards and storm induced impacts. A major component of the project is to engage the community, especially Environmental Justice and climate vulnerable populations.

Grantee: Wellfleet

Project Title: Herring River Restoration Project Phase 1 Final Construction Plans and Bid Specifications

Award: \$589,960

The project aims to restore a total of 890 acres of salt marsh at full restoration. Sea level rise was incorporated into hydrodynamic model runs and infrastructure design incorporates up to 2 feet of freeboard. Specific tasks for this phase include preparing final plans and bid specification packages.

Grantee: Westford

Project Title: Westford Tree and Invasive Species Inventory and Management Plan with Tree Planting Plan

Award: \$79,200

Through robust community engagement, the Town will prepare a Tree and Invasive Species Inventory and Management Plan with a Tree Planting Plan to help Westford become more resilient to climate change. The project will also educate the public about invasive species and will be incorporated into the town's GIS to monitor and track progress over time as Westford becomes a greener community.

Grantee: Westhampton

Project Title: Resilience Building through Community Visioning and Planning

Award: \$237,516

The Town will develop a Resilient Master Plan and update its Open Space & Recreation Plan using the lens of climate adaptation and resiliency. The project will help The Town analyze, envision, plan, prepare, and take steps to address the future and reduce vulnerability to climate-related changes, including increased development due to migration, threats to water supplies during drought, shifts in growing seasons, and impacts to the natural world.

Grantee: Winthrop (& Boston, Revere)

Project Title: Belle Isle Marsh: Evaluating Nature Based Solutions to Protect Abutting Communities and Critical Shorebird Habitat from Coastal Inundation

Award: \$145,307

The project aims to identify the conditions under which a nature-based coastal flood resilience solution can both enhance and prolong the habitat value of 300-acre Belle Isle Marsh and prevent coastal flood damage to Winthrop, East Boston, and Revere and the MBTA Blue Line just inland of the marsh.

Grantee: Wrentham

Project Title: Climate Resilience and Low Impact Development Regulatory Integration and Green Infrastructure Master Plan

Award: \$113,344

This project will combine a Town-specific update of Wrentham's bylaws and regulations with the goal of increasing climate resilience with implementation of stormwater green infrastructure. The project also includes a related green infrastructure assessment and community engagement targeting private property owners around the three major lakes in Town.

FY21 MVP Action Grant Projects

Grantee: Agawam

Project Title: Agawam Stormwater Master Plan

Award: \$216,750

The Town will develop a long-term plan to sustainably manage its stormwater assets, reduce impervious cover, and promote green infrastructure to provide accessory environmental and public health benefits. It also will include development of an Impervious Area Strategy and Municipal Code assessment to maximize community benefit and promote nature-based and green infrastructure solutions to stormwater problems. The project will include an extensive public engagement component including a 10-day intensive program with local art and environmental organizations at a public middle school that will culminate in a public storm drain art project and community event, where students will present a gallery of their work.

Grantee: Arlington & Resilient Mystic Collaborative

Project Title: Wicked Hot Mystic

Award: \$186,200

Municipal Vulnerability Preparedness (MVP) Program Core Principles



The MVP program has 9 core principles that should be incorporated into MVP Action Grant Applications. Communities should also consider these principles when completing the Planning Grant process. They are:

1. **Furthering a community identified priority action to address climate change impacts:** Projects funded under this program must address one (or more) priority implementation action(s) identified and documented within the municipality's MVP plan or similar EEA-approved plan.
2. **Utilizing climate change data for a proactive solution:** Projects funded under this program should fully consider and incorporate climate change projections (where available) and data that align with the anticipated lifespan of the project and the criticality of the asset. Climate data can be found on the resilient MA Climate Change Clearinghouse: ResilientMA.org and/or local-level climate change studies.
3. **Employing Nature-Based Solutions (NBS):** NBS are adaptation measures focused on the protection, restoration, and/or management of ecological systems to safeguard public health, provide clean air and water, increase natural hazard resilience, and sequester carbon. Learn more in the [MVP NBS Toolkit](#).
4. **Increasing equitable outcomes for and supporting strong partnerships with Environmental Justice (EJ) Populations and Climate Vulnerable Populations:** EJ Populations are defined in the [2017 EJ Policy](#). Climate Vulnerable Populations are those who have lower adaptive capacity or higher exposure and sensitivity to climate hazards like flooding or heat stress due to factors such as access to transportation, income level, disability, racial inequity, health status, or age. Learn more in our [MVP EJ & Equity Toolkit](#).
5. **Conducting robust community engagement:** All Action Grant projects are required to submit a Public Involvement and Community Engagement Plan as part of the application. More guidance on these requirements can be found [here](#). Tips for conducting virtual and remote engagement can be found [here](#).
6. **Achieving broad and multiple community benefits:** Projects that maximize resilience and provide other co-benefits (e.g. [public health](#), environmental, social, economic, etc.) for many people are a priority under the MVP program.
7. **Committing to monitoring project success and maintaining the project into the future:** Projects that proactively set in place mechanisms to measure success over time and maintain the proposed project will receive priority.
8. **Utilizing regional solutions toward regional benefit:** Projects that provide regional benefits are prioritized. Regional partnerships of multiple municipalities are eligible and encouraged under the program (provided that the lead applicant is MVP-designated for Action Grants).
9. **Pursuing innovative, transferable approaches:** Innovative projects that seek to address critical issues with widespread relevance for many communities are encouraged.