Municipal Vulnerability Preparedness Grant Program

Executive Office of Energy and Environmental Affairs

MVP Action Grant Funded Project Descriptions

FY25 MVP Action Grant Projects

Grantee: Amherst
Project Title: Phase 2: Fort River Watershed Improvements for Flood & Water Quality Resilience
Award: $1,179,700
This project is the second phase of an FY24 MVP Action Grant. The scope includes implementation of two stream crossing improvements.

Grantee: Ashburnham
Project Title: Whitney Pond Dam Removal and River Restoration
Award: $377,652
Whitney Pond Dam is currently in poor condition and classified as a significant hazard potential dam due to the presence of roadways, residential, commercial, and other development within the downstream area that would be at risk in the event of a dam failure. The project will remove Whitney Pond dam and restore this section of the Whitman River, eliminating the risk of dam failure, increasing flood resilience of the downstream roadway and the surrounding communities, improving habitat and connectivity within a coldwater fish resource, improving fish and wildlife passage, enhancing riparian wetland habitat, and improving water quality.

Grantee: Ashfield
Project Title: Ashfield Rural Climate Resilience and Living Culture Project
Award: $166,001
The Town of Ashfield, Double Edge Theater, Ohketeau Cultural Center, and other community partners will explore how Ashfield could be a hub for regional rural resilience, starting with concrete collaborative action around three Focus Areas: 1) Expansion of clean and resilient energy; 2) Integration of nature-based climate solutions; and 3) Development of resilient, energy-efficient affordable housing. To investigate these Focus Areas, the project team will host a series of engagement events and activities, including Community Dinners and Listening Sessions, Site Tours, and a town-wide Community Resilience Day. Through these activities, this project will facilitate new pathways for collaboration, mutual learning, and resource-sharing between community partners, with the ultimate goal of building relationships and community capacity for equitable resilience planning.

Grantee: Athol
Project Title: Greening the Lord Pond Plaza
Award: $3,000,000
The Lord Pond Plaza is characterized by a series of large, paved parking lots supporting a combination of publicly- and privately owned businesses, including retail shopping, dining, and historic mill buildings, civic and banking, and the local senior center. The goal of the project is to redevelop Lord Pond Plaza in a manner that addresses two key sources of climate exposure: extreme temperatures/ urban heat island effect and inland/urban flooding due to extreme precipitation events. The use of nature-based solutions/ green infrastructure, notably the daylighting of a buried stream channel that flows beneath the plaza will result in the creation of wetlands and wildlife habitat, and increase flood storage and stormwater bioswales, while providing passive recreation space.

Grantee: Barnstable
Project Title: Sandy Neck Beach Facility Coastal Resiliency Project
Award: $2,833,849
This project will complete implementation of the coastal resiliency improvements necessary at the Sandy Neck Public Beach Facility to ensure the Beach Facility is accessible for at least the next 50-years. The project will relocate the beach parking lot ~65-feet landward and relocate the Gatehouse to naturally high elevation. The project will involve community participation, curriculum development for third graders, and reduction of beach access barriers for Environmental Justice and Priority Populations.

Grantee: Billerica
Project Title: Flowing Toward Resilience: Climate Change and Hydraulic Capacity of Culverts
Award: $129,500
The goal of this crucial culvert assessment program is to improve overall public safety, fish passage, roadway safety, and hydraulic resiliency. Submerged and other priority culverts will be evaluated for hydraulic capacity, and related improvements such as culvert repair and replacement projects will be recommended. The anticipated scope of work will include culvert prioritization, site visits for data collection, hydraulic analysis, community outreach, and a summary of work/capital improvement plan to rehabilitate and restore submerged and other priority culverts located across the Town of Billerica.

Grantee: Bolton
Project Title: Future Resilient Field at Derby
Award: $488,824
Bolton will construct engineered designs developed under their FY24 MVP Action Grant that implemented projects developed from past Action Grants ACNCS (FY21) and NRCRLM (FY22) for resilient community space constructing a nature-based solution central athletic field, walking pathway, and native edible garden. This project is located at the rear of the local elementary/middle school off of Mechanic Street, adjacent to the Council on Aging building and a 40B multifamily development. This project will build resiliency by improving the soil and vegetative health in an area highlighted with average carbon sequestration value and ability for soil regeneration. It will also build community space for walkability, safety, and enhance connectivity for the priority populations.

Grantee: Boston (& Revere)
Project Title: Resilient Bennington Street & Fredericks Park Project (Phase II)
Award: $456,500
In FY24, the City of Boston received MVP funding to build upon the Study of Belle Isle Marsh and Climate Ready Boston's coastal resilience plan through further technical assessment and exploration of design alternatives for flood risk reduction on Bennington Street in East Boston and Fredericks Park, Belle Isle Avenue, and Montfern Avenue in Revere. At the end of this phase of the project upon the conclusion of FY24, the project team will identify a preferred coastal resilience solution, with input from regulatory agencies, that provides the greatest climate resilience benefit for people and for Belle Isle Marsh and is compliant with today's regulatory framework. The regional nature of flood risk requires Boston and Revere to continue their collaboration and further the technical study, design, permitting, and community and stakeholder engagement to advance flood risk reduction strategies that simultaneously provide social and environmental benefits. This next phase of work will advance the preferred alternative identified during the first phase to 50% design. The ongoing partnership between the City of Boston and the City of Revere to continue this project attests to the tremendous benefit of not working in silos and approaching equitable resilience solutions as a region.

Grantee: Boston

Project Title: Community-Based Flood Resilience and Green Infrastructure Planning
Award: $449,710
The City will build a database and map of current and projected flooding impacts, focusing primarily on stormwater and riverine flooding. The database will be populated with existing flood data, modeling data, and reports from residents and commuters. The Project Team will engage a technical team to help select flooding hotspots for investigation and concept designs, focusing on nature-based solutions. Designs will focus on stormwater and riverine flooding issues in EJ Neighborhood and in areas where residents and CBOs have identified opportunities. The flood impacts database/map will also be used to inform policy decisions, such as local wetland regulations and updated zoning. The City will also engage a broad group of partners, including all three of Boston's watershed associations, and local neighborhood groups to lead resident engagement and outreach. Residents will be asked to help populate the flood impacts database and to provide input and preferences on flood mitigation designs. Finally, funding will also support capacity building among citizens and groups that would like to see more nature-based solutions, GI in particular, in the City of Boston.

Grantee: Boston Region MPO & MAPC (& Chelsea, Everett, Framingham, Revere)
Project Title: NO-HEAT: Neutralizing Onerous Heat Effects on Active Transportation
Award: $1,001,100
This project is aimed at improving heat resilience capacity and enhancing climate justice in the 97 communities comprising the Boston metropolitan region by creating unique high-resolution regional heat risk and mobility datasets that can aid in targeted mitigation interventions. We will demonstrate their use, in conjunction with outreach and community engagement, in informing resilient planning efforts through heat relief pilots and wayfinding recommendations that are aimed at enhancing the safety and comfort of people walking and biking.

Grantee: Bridgewater
Project Title: Hanson Farm Conservation Restriction Purchase
Award: $3,000,000
Bridgewater will purchase a conservation restriction over a popular and visible farm property owned by a longtime farming family. The Town is making an effort to preserve the property as a farm. It is close to a similar conservation restriction purchase made by the town in 2015 ("Murray/Needs Farm").

Grantee: Cambridge (& Mystic River Communities)
Project Title: Developing Successful, Cost-Effective, Urban Forest Strategies for Areas of High- and Low-Tree Mortality Across the Mystic Watershed
Award: $276,800
This project furthers the MVP Wicked Cool Mystic highest priorities identified by environmental justice residents to plant more urban trees. It will create a map of high- and low-tree mortality areas across the Mystic River Watershed and will develop a regional urban forests working group of municipal tree wardens and CBOs to develop strategies to 1) maximize the likelihood of urban trees growing to maturity, 2) decrease the cost of planting and maintaining new trees, and 3) identify and prioritize increasing tree cover in areas where priority populations live, travel, and go to cool off during hot summers.

Grantee: Dartmouth
Project Title: Nature-Based Solutions Retrofit of Critical Infrastructure within Coastal Flood-Prone Areas Town of Dartmouth - Phase 2
Award: $113,100
This project will help address key components of the previously completed 2020 MVP Plan. The primary goal of this project is to comprehensively assess town-owned infrastructure within highly vulnerable areas

and identify nature-based solutions for improvement. Primary objectives include completing a vulnerability assessment of Northern Dartmouth and to develop an action-oriented plan for municipal storm water infrastructure, culverts, and areas with known flooding that will be negatively impacted by climate change. In addition, the Town will continue its work with local partners to develop a comprehensive public outreach program that will serve to educate the general community of Dartmouth.

Grantee: Deerfield
Project Title: Bloody Brook Resilience Hydrologic/Hydraulic Modeling
Award: $170,300
A central component of this effort will be the creation of a hydraulic model of the Bloody Brook in the heart of South Deerfield. This work will help generate an improved understanding of the brook's history and behavior and pinpoint bottlenecks. Building off of the City of Easthampton's Homeowner's Guide to Do-It-Yourself Stormwater Management Solutions ("Sinking the Storm"), the project team will develop a list of possible interventions that the Town and individual property owners can use to address impacts from excess stormwater and stream flooding that acknowledges the high water table in this part of the Connecticut River Valley. Thias work will also result in prioritization of culverts for upsizing and areas for improved stormwater management.

Grantee: Dudley
Project Title: Stormwater Retrofit Program at the Dudley Municipal Complex
Award: $281,000
This project will reduce the quantity of, and improve the quality of, stormwater runoff at the Dudley municipal complex. Runoff from the site drains into the French River, which is about 2,100 feet away. The surrounding neighborhood is densely developed and contains a high percentage of low and moderate-income households.

Grantee: Everett (& Chelsea)
Project Title: Island End River Flood Resilience Project
Award: $5,000,000
The City of Everett, in collaboration with the City of Chelsea, seeks to continue its efforts to promote flood resilience in the Island End River (IER) district. The project will construct a hybrid structural and nature-based coastal flood protection system consisting of a flood barrier and flood gates, a storm surge control facility, a resilient riverwalk, improvements to Island End Park, and enhancements to an existing salt marsh. The Project will help protect over 500 acres of heavily developed land with regionally critical facilities and homes of Environmental Justice Populations from the impacts of projected future storm surge flooding.

Grantee: Everett (& Chelsea, Malden, Arlington)
Project Title: Wicked Cool Mystic - Súper Fresco Místico
Award: $687,000
Wicked Cool Mystic II is the implementation phase of our efforts to expand community-led cooling in environmental justice neighborhoods and other areas used by priority populations. Wicked Cool Mystic was a two-year community engagement project partnering with residents in three environmental justice cities (Everett, Malden, and Chelsea) and a moderate-income town (Arlington). We are now working to construct small cooling solutions prioritized and piloted by these participants.

Grantee: Fitchburg
Project Title: Nature-based Solutions for a Resilient Coolidge Park
Award: $323,160
Nature-based Solutions (NBS) for a Resilient Coolidge Park builds upon concepts identified during the Baker

Brook / Falulah Brook Watershed Study (FY22) that will help mitigate flooding impacts by increasing stormwater storage, recharge, and water quality. The project will lead to the development of three 50% designs including 1) a floodable field that provides additional storage for Falulah Brook while maintaining its recreational use, 2) permeable parking lot with bioretention collecting stormwater from John Fitch Highway and 3) a redesign of the Wallace Civic Center parking lot with stormwater BMP's to manage runoff before it reaches Falulah Brook. These projects, in concert with other ongoing NBS initiatives in Fitchburg, will generate greater climate resiliency for the community along the JFH corridor. As part of the development of these NBS designs, the project team will utilize their network of STEM-program coordinators and volunteers to facilitate site walks and workshops with community groups and Fitchburg High School students. The workshops will focus on design collaboration & visioning for NBS strategies and introducing students to careers in environmental sciences, engineering, and design.

Grantee: Franklin Regional Council of Governments (& Regional Communities)
Project Title: Resilient Together: Building Partnerships in the Greater Connecticut River Watershed
Award: $646,025
The FRCOG and PVPC are proposing to embark on complementary planning efforts at different watershed scales. The FRCOG will pick up on past planning efforts in the Deerfield River Watershed to convene a Resilient Deerfield River Watershed Coalition and develop a comprehensive Flood Model, while PVPC and FRCOG will work together to establish a "community of practice" with cities and towns along the Connecticut River. This project will also prioritize community engagement by collaborating with CBOs to amplify the voices of Environmental Justice communities and ensure their priorities are included in the work of the Resilient Deerfield River Watershed Coalition and the community of practice with towns along the Connecticut River.

Grantee: Georgetown
Project Title: Georgetown Park & Ride Library Street Resiliency Improvements
Award: $68,265
This project will consist of public outreach, and a feasibility and conceptual design study for a commuter park and ride facility that frequently floods. The goals are to find out who the users of the facility are and engage them in creating a resiliency group that can guide future efforts in community and climate resiliency. Technical efforts are focused on nature-based remedies for stormwater management.

Grantee: Greenfield
Project Title: Building Community and Resilience through Plantings at Millers Meadow
Award: $37,830
The City of Greenfield proposes to collaborate with Greening Greenfield, the Connecticut River Conservancy, and Youth Climate Action of Franklin County on a community-powered restoration project at Millers Meadow. By establishing 1.65 acres of forest and meadow on the slope adjacent to Colrain Road, this project will address the climate and biodiversity crises by creating habitat, cooling the local environment, and sequestering carbon. Forest and meadow habitat restored by this project will support pollinators like bees, butterflies, and moths, provide refuge for nesting birds and mammals, and beautify and enhance this public space for passive recreational uses. Plantings also improve the site's role as a floodplain by absorbing and slowing down the flow of rainwater.

Grantee: Hampden
Project Title: Town of Hampden Main Street Bridge Replacement and Green Solutions Project
Award: $275,450
Final design (shovel ready) of Main Street Bridge. The replacement of existing structure will reduce flooding and protect water quality in East Brook and the Scantic River. Project includes advancement of GI-

LID solutions within the watershed and the production of videos showcasing GI-LID opportunities in the watershed and memorializing Hampden's multi-year outreach, planning, and design efforts that can provide a reference to other rural communities.

Grantee: Harwich
Project Title: Red River Valley Preserve Watershed Resiliency Project
Award: $1,800,000
The Red River Valley Preserve Watershed Resiliency Project is a nature-based solution led by a partnership between the Town of k and the Harwich Conservation Trust. The project includes the acquisition of a permanent conservation restriction by the Town of Harwich on approximately 8 acres at the headwaters of the Red River as it flows to Nantucket Sound next to Red River Beach. The project will improve the long-term resilience of a critical drinking water resource for thousands of people, improve the resilience of the Red River watershed, and provide the opportunity to expand environmental education and passive recreation opportunities for the community by leading local land Trust, Harwich Conservation Trust.

Grantee: Hassanamisco Nipmuc Band
Project Title: Nukkone Mayash (the Old Ways)
Award: $823,446
The Hassanamisco Nipmuc Bands plans to use traditional ecological knowledges to enable their community to cope with stressors and adapt to changing conditions while accessing, protecting, and stewarding lands central to Nipmuc identity, building community capacity for climate resilience by applying Indigenous-centered climate adaptation strategies and approaches, and employing adaptation strategies incorporating Nipmuc values and producing co-benefits for human and environmental communities.

Grantee: Haverhill
Project Title: Little River Dam Removal and River Restoration
Award: $3,000,000
Funding is requested to complete construction for the removal of the Little River Dam and restoration of an approximately 0.5 mile impounded stretch of the Little River from Winter Street northward to the MBTA railroad bridge. The existing dam raises flood elevations at areas along Apple Street and Little River Street, both of which are located within the City's EJ communities; the dam also poses a hazard to downstream areas should it fail. Benefits that will result from dam removal include: 1) reduced flooding risk in an EJ neighborhood, 2) addition of public river access points and improved public green space amenities from land recovered from the impoundment, 3) increased marketability of the adjacent mill property for mixed-use redevelopment and affordable housing, 4) environmental benefits associated with removal of a barrier to aquatic passage along the Little River and reconnection of 9.76 upstream miles of free-flowing river (including additional tributary connectivity), and 5) restoration of the riparian corridor for increased canopy cover and cooling in the urban corridor.

Grantee: Holyoke
Project Title: Green Infrastructure Construction in the Day Brook Watershed
Award: $1,229,730
Holyoke's FY25 project involves strategic deployment of nature based green infrastructure BMPs in the Day Brook Watershed at Sullivan School and Holyoke High School North Campus. Youth engagement activities will occur at Sullivan School and Holyoke High School, along with several community education events. This scope is a two-year project with construction occurring in FY26.

Grantee: Kingston
Project Title: Purchasing the Correira Bogs in Kingston, MA

Award: $1,620,000
This is phase 1 of a two phase implementation project, this phase including purchase of an important local cranberry property that has recently hit the real estate market (Phase 2 being restoration of the site's wetlands and waterways, while certifying the existing trails as ADA-compliant). The goal, beyond purchasing the property for the purpose of permanent open space protection, is to restore the floodplain of the Jones River and Fountainhead Brook for the purpose of improving local climate resiliency as well as improving local water quality. The main tasks are fee purchase of the property, submittal of a draft Conservation Restriction to DCS, and completion of a boundary survey with installation of permanent corner markers. This will set the stage for the second phase, where we'll apply for grant funds to perform ecological restoration of the on-site wetlands, as we're currently doing on our newest conservation property, Blackwater Memorial Forest.

Grantee: Lanesborough (& Mount Washington, Blandford, Goshen, Middlefield, Shutesbury)
Project Title: Western Massachusetts Unpaved Road Project
Award: $432,096
This project will provide support to western Mass towns for unpaved road climate resilience through development and use of a GIS tool, refinement and use of an Unpaved Road Stormwater Toolkit, and engagement with rural communities.

Grantee: Lawrence
Project Title: Green Lawrence Blue Merrimack: Stormwater Resilience Master Plan
Award: $1,601,840
The Green Lawrence-Blue Merrimack Stormwater Resilience Master Plan will use a coordinated approach to identify the most cost-effective means of mitigating current and projected impacts from Combined Sewer Overflow (CSO) discharges and urban flooding by emphasizing nature-based solutions to provide environmental and social co-benefits throughout the community. It will be implemented in partnership with Groundwork Lawrence, and include meaningful community engagement. The Stormwater Resilience Master Plan is expected to define projects that, on implementation, will reduce or eliminate neighborhood flooding and risk of sewer overflows, and increase vegetation and tree canopy cover to help mitigate extreme temperatures. The proposed project is the first step in addressing the dual hazards of increasing extreme precipitation and extreme temperatures and ensure that climate change projections are adequately considered. It will also include an organizational assessment to determine the feasibility of establishing a stormwater utility that could better manage and address stormwater and CSO overflow mitigation.

Grantee: Leominster
Project Title: Burrage & Mascoma Neighborhood Area Flood Mitigation Project
Award: $487,483
The City of Leominster is located in the North Central part of the state and is highly vulnerable to inland flooding with several parts of the city identified as particularly at risk. The primary goal of the Burrage & Mascoma Neighborhood Area Flood Mitigation project is to increase flood resiliency in one of these high-risk areas by working collaboratively with affected private property owners to develop a feasible solution considering both current and future projected impacts of increased precipitation and stormwater runoff. The objectives of this initial design and permitting phase of the project are to select a feasible alternative to improve the neighborhood's natural and built stormwater management systems, complete the permit-level design plans and submit permit applications. To ensure that climate change projections are adequately considered, this phase of work will include updates to the existing hydrologic & hydraulic modeling conducted under prior planning efforts to analyze design storm events using data sources for the 2050 planning horizon identified for the project in the Climate Resilience Design Standards tool.

Grantee: Lowell
Project Title: Saint Louis Sponge Park Phase 2
Award: $979,120
The Saint Louis Sponge Park Phase 2 (SLSP P2) project aims to transform a 6-acre park in a highly vulnerable environmental justice community into a regional destination and model of climate resilience through the integration of nature-based solutions. The project involves a robust and inclusive community engagement process which will inform design of green infrastructure in the park such as a bioretention pond, bioswales, urban reforestation, and pollinator habitat, as well as educational components like multilingual signage, an outdoor classroom, and climate-themed public art.

Grantee: Martha's Vineyard Commission (& Regional Communities)
Project Title: Martha's Vineyard Public Food Forest Plan
Award: $97,764
This project will result in an assessment, plan, and toolkit for establishing public perennial food production spaces in all Martha's Vineyard towns, and a site-specific design for one public food forest in Aquinnah, MA.

Grantee: Mashpee
Project Title: Increasing Resilience to Harmful Algal Blooms in Santuit Pond: Construction of Town Landing Resilience Improvements
Award: $1,669,956
The project will continue the work funded under FY22, FY23, and FY24 MVP Action Grants, with the goal of increasing the resilience of Santuit Pond to harmful algal blooms by reducing stormwater sediment and nutrient loads to the pond. The 2-year project will implement green stormwater infrastructure and other nature-based resilience and water quality improvements for the Town Landing site at Santuit Pond including preparation of construction documents, bidding, and construction. The project also includes continued public involvement and community engagement, building on the ongoing outreach and engagement activities targeted at residents in the neighborhoods surrounding Santuit Pond, Town officials, and the Mashpee Wampanoag Tribe.

Grantee: Medford
Project Title: Resilient Urban Forest Master Plan
Award: $220,900
This project will continue Medford's urban forest and climate vulnerability work with an update to the citywide climate change vulnerability assessment and the development of an urban forest master plan.

Grantee: Medford
Project Title: Strengthening Medford Connects: An Interconnected Resiliency Network for Future Resilience Hubs
Award: $746,580
The "Strengthening Medford Connects" project is a continuation of three rounds of MVP funding primarily focused on increasing equitable outcomes for Environmental Justice (EJ) populations and climate-sensitive populations by addressing the root causes of social vulnerability, building community capacity for climate resilience, and achieving broad and multiple community benefits by robust community engagement for community-identified priority actions. This round of funding will strengthen and expand the network of community-based organizations (CBOs) serving communities vulnerable to climate in a coalition called Medford Connects. It will also expand the community liaison model for city-wide outreach and engagement, with the creation of social "resilience-theme" connectors for linking social resilience needs

with actionable climate resilience strategies and promoting climate education. This project will also partner with the Resilient Mystic Collaborative to develop transferable tools from the learnings of the Medford Connects initiative in a social resilience community of practice.

Grantee: Metropolitan Area Planning Council (MAPC) (& Chelsea, Everett, Malden, Revere, Winthrop)
Project Title: Lower Mystic Cool Communications to Build Regional Heat Resiliency
Award: $490,813
This project will convene municipal staff, community leaders, residents, artists and researchers to co-design and pilot a culturally relevant heat communications campaign in five communities in the Lower-Mystic. The project goals are to 1) build resilience to extreme heat and 2) strengthen social cohesion and resiliency by centering community knowledge and preferences in the design of resilient communications and 3) develop recommendations for localized, data-driven heat thresholds.

Grantee: Middleborough
Project Title: School Street Parking Lot Project
Award: $171,230
The Town of Middleborough is planning to provide remediation of inland flooding and stormwater run-off to the Nemasket River at the newly purchased School Street parking lot. The parking lot is located in the downtown area, adjacent to an Environmental Justice and other climate vulnerable neighborhoods. The roadway and roof run-off receives little to no pretreatment prior to discharging into the Nemasket River. This project seeks to eliminate inland flooding and reduce stormwater runoff with drainage upgrades including nature based solutions such as grassy surfaces and rain gardens, which will also reduce ambient temperatures in this designated heat island.

Grantee: Monson
Project Title: Chicopee Brook Flood Resilience Improvements
Award: $487,500
The project will further design and permitting work required to reroute Bunyan Road along the west side of Chicopee Brook in an upland area with the inent of connecting to an existing road to the south, which eliminates the need to cross Chicopee Brook. Reallignment will allow for the full removal of the failing Bunyan Road crossing and all associated fill from the floodplain, as well as the potential removal of abandoned downstream railway embankments that also obstruct flows through the floodplain. The broad wetland corridor that is currently bisected by Bunyan Road and the railway embankments will be restored, resulting in additional flood storage and improved wetlands health.

Grantee: Montachusett Regional Planning Commission (& Leominster)
Project Title: Looking Upstream, Learning Downstream: A Geo-Spatial Chronicle and Lessons Learned from the Leominster Flood Emergency of 9/11/2023
Award: $458,400
This project will focus on chronicling and evaluating the Leominster Emergency Flooding event that occurred on September 11, 2023 through the development of several interactive GIS map-based tools that demonstrate the impacts and risks of the event through municipal and community-sourced data (including images, videos, and stories). These map-based tools will provide a historical record of this unique, disastrous event, and will create a universal learning and teaching tool capable of providing a greater understanding of the social and ecological impacts of land-use decisions and development practices while also promoting improved strategies and practices for future sustainable approaches. This project, and the broadly accessible interactive, online tools and resources developed, will allow communities to build climate resilience, reduce risk, and mitigate vulnerabilities through a better understanding of the relationships between our built environment and the impacts of climate-influenced natural hazards. The

project will provide a replicable model of local, regional, statewide, and even national significance, and a suite of recommendations, strategies, and preliminary conceptual designs for the implementation of nature-based solutions, green infrastructure, and restoration of natural systems to increase climate resiliency.

Grantee: Natick
Project Title: Charles River Watershed Flood Mitigation Plan Implementation (& Charles River Communities)
Award: $330,492
The proposed project will identify and advance on the ground implementation opportunities for strategies the Charles River Flood Model identified as being effective in mitigating projected future flooding. This regional initiative will continue setting the stage for implementation of nature-based solutions that provide local and regional flood benefits in addition to a wide array of community co-benefits such as improved air and water quality, reducing urban heat island impacts, and improving human and ecological health. This will be accomplished through two primary activities: 1. Siting analysis, design and modeling, and 2. Community engagement.

Grantee: Natick
Project Title: Natick High School Constructed Wetland and Subwatershed Evaluation
Award: $266,400
This project's primary goal is to design and permit a constructed treatment wetland/BMP adjacent to an existing settling pond area. The project also includes feasibility assessments for dredging the existing pond area to reestablish flood capacity, community engagement with stakeholders and students/teachers at Natick High School, and internal staff engagement around maintenance of nature-based solutions. This project also includes evaluation of the watershed contributing to the pond to identify flood mitigation and water quality improvement solutions.

Grantee: Newton
Project Title: Flood Storage and Bank Restoration Along Cheesecake Brook
Award: $1,240,995
This project implements nature-based flood storage and bank restoration along Cheesecake Brook in Newton Massachusetts, a heavily used and degraded urban stream corridor. The project involves implementing subsurface storage and infiltration beneath a proposed playing field to control up to the 25 years storm flow from a 7.2 acre urban drainage. As part of this project, 36,000 SF of river bank will be restored by replanting eroded grass banks with native vegetation and retrofitting the road edge with bioswales to reduce runoff and erosion. These actions will reduce flooding, increase climate and ecological resilience and reduce nutrient loading along an urban stream corridor.

Grantee: North Adams (& Clarksburg)
Project Title: North Adams Flood Resiliency
Award: $1,061,203
This project is a regional project mainly based in North Adams that addresses flood resiliency. The project funds planning and data collection for dam removal of a deteriorating dam at risk of failure, stormwater system retrofits in four project areas, and bank erosion in neighboring Clarksburg. The project also launches a environmental justice initiative called Gray to Green in North Adams to identify and plan community-led climate projects that improve health and well-being within their neighborhoods.

Grantee: North Andover
Project Title: Cochichewick Brook Riverine Floodplain Management Study and Plan

Award: $133,150
The Town of North Andover, in partnership with private business entities and property owners, will review recent flooding events within the Lake Cochichewick watershed, including streams, tributaries and ponds that flow into and then make up Lake Cochichewick and Brook. As part of the study, the Town will develop a comprehensive management plan to anticipate, prepare for, respond to and recover from flood hazards, and to minimize damage to social well-being, health, the economy and the environment. Tasks will include an assessment of the riverine system and its control structures (dams, weirs, culverts, gates), the development of a management plan for the control structures that includes private property owners, as well as significant public outreach - including to environmental justice populations.

Grantee: Northampton
Project Title: Northampton Critical Infrastructure Flood Resiliency Project
Award: $337,615
The Northampton Critical Infrastructure Flood Resiliency Project aims to upgrade the Hockanum Pumping Station in accordance with up-to-date climate change data and dredge the Historic Mill River to bolster critical infrastructure resilience and safeguard low-lying EJ communities. The pump station is still utilizing original equipment that has surpassed its reliable service life. The upgrades will ensure reliability and enhance overall resiliency. The Historic Mill River provides stormwater storage upstream, and the dredging work will restore the maximum capacity that previously existed.

Grantee: Norwood
Project Title: Norwood Nature Based Solutions to Reduce Flooding and Heat
Award: $144,300
This project will consist of three parts: 1) hire temporary, part-time Stormwater Co-ordinator to assist in starting stormwater utility, implementing stormwater regulations, and stormwater outreach 2) Hiring of a part-time, temporary community liaison to assist in stormwater outreach, and coordinate tree partnership where trees are given to residents with a focus on priority populations 3) Rewrite regulations for Planning Board, Conservation Commission, and Stormwater Authority to improve resilience and enhance use of nature based solutions.

Grantee: Old Colony Planning Council (& Brockton, Plymouth, Abington, Easton, Duxbury)
Project Title: Building a Climate Resilient Food System in Plymouth County
Award: $245,500
Old Colony Planning Council and Plymouth County are partnering with others in the region to help achieve a climate-resilient food system. The project aims to strengthen the collaborative capacity of food system participants at the local and regional scales to co-design innovative solutions to adapt to a changing climate, which would also have the co-benefits of strengthening local food economies and reducing food insecurity. A primary output of the project will be a data-driven, participatory Climate-resilient Regional Food Action Plan. The project also includes a series of events to engage food system participants as well as the public.

Grantee: Orange
Project Title: Fisher Hill School Solar/Bess and Outdoor Classroom
Award: $390,290
This project will install a 224kW roof-mounted solar array on the newly renovated elementary school, install a 200kW/100kWh battery energy storage system that will be coupled to the solar array, and build in outdoor classroom along the accessible nature path on the school site. Following the completion of these tasks, community gathering and engagement opportunities will be help to educate and inspire community members and students of all grades to learn more about resilience, energy efficiency, and green

infrastructure.

Grantee: Oxford
Project Title: Petroleum to Pollinator: Design to Restore a Former Gas Station Back to Nature
Award: $206,100
The goal of this project is to enhance climate resilience in Oxford by addressing extreme heat and inland flooding through nature-based solutions. This project has three main objectives: 1) to implement green infrastructure to reduce urban heat and improve stormwater management 2) create a passive park that provides cooling shade for residents and a habitat for pollinators, and 3) to engage with the community through educational initiatives about climate resilience and sustainable landscaping.

Grantee: Pioneer Valley Planning Commission (& Regional Communities)
Project Title: Toward Greater Resilience in our Drinking Water Supply: A Regional Plan for the Pioneer Valley (1st Phase)
Award: $420,223
Initiate development of a regional plan with implementable actions for drinking water in the Pioneer Valley that will identify common threads and needs, provide important tools, and enable all operators and interested community members to share in learning about best strategies in this challenging era. This project will involve completing multiple chapters of the drinking water plan, gathering a community of practice, and conducting 7 listening sessions in the region to understand experience with and concerns for drinking water among residents and local businesses.

Grantee: Pittsfield
Project Title: Unkamet Brook Restoration
Award: $275,000
Unkamet Brook is located on the northeast side of Pittsfield and conveys runoff from Oak Hill and The Boulders south to the East Branch of the Housatonic River. The project goals are to decrease the risk of flooding, evaluate the potential for daylighting a culverted section of Unkamet Brook, and restore the segment of the brook between two culverts. The main tasks are field data collection, preliminary design of Crane Ave culvert, and the feasibility and alternatives analysis of the Dalton Ave Culvert.

Grantee: Plymouth
Project Title: Plymouth Downtown Resiliency Project: Green and Heat Island Reduction Infrastructure
Award: $360,265
Plymouth's Downtown Resiliency Project aims to introduce climate resilient and nature-based solutions to public infrastructure within the heart of Plymouth's historic, cultural downtown district, to reduce urban heat island effects, manage stormwater runoff, promote safe and equitable accessibility, and improve the overall visitor experience for residents, tourists, customers, and business owners.

Grantee: Provincetown
Project Title: Resilient Central Vacuum Station
Award: $1,000,000
The Provincetown Central Vacuum Station (CVS), upon which residents rely for sewer service, is vulnerable to extreme weather events and in urgent need of upgrade. This grant would support the construction of resilient upgrades to the CVS and pump stations.

Grantee: Reading (& Upper Mystic River Communities)
Project Title: Resilient Facilities Project: Finding Solutions for Flood-Prone Sites that Serve Priority Populations

Award: $522,500
This project will increase the climate resilience of priority populations by 1) identifying the top flood-prone facilities in each participating Upper Mystic municipality that serve or host priority populations, 2) prioritizing the sites with stakeholders and community members, and 3) selecting the top 10 sites for concept design. The intention is to tee up a priority list of projects serving priority populations that each municipality will individually carry into the design/permitting phase.

Grantee: Salem
Project Title: Resilient Together: The Point
Award: $466,380
Resilient Together: The Point is currently an MA Coastal Zone Management (CZM) funded project that began in 2021 as a deep dive into the impacts on and understanding of climate change in an Environmental Justice neighborhood in Salem (The Point/El Punto). Part of this work included the establishment of a Climate Resilience Leadership Council (CRLC), a group of 11 community leaders from diverse sectors. The goal of this MVP Action Grant proposal is to continue and expand the work begun by the CRLC which has collaboratively engaged over the span of 8 months to deepen their understanding of climate change's impacts in The Point and identified and designed resources to support climate impact awareness and resilience among youth who are a part of The Point community.

Grantee: Shutesbury
Project Title: Library Solar with Ford Lightning Battery Backup
Award: $222,105
This project will consist of installation of roof top solar panels on Shutesbury Library and the purchase of a Ford F-150 Lightning Truck Battery Backup System. The total electricity need for the building is approximately fifty kW. This will further the town's climate change goals of energy fostering independence and increasing publically accessible air conditioned space available to priority populations such as elderly and young families with children who are economically challenged. The presence of Solar+Battery at the library will allow the library to continue to operate as a cooling center during periods of high heat that are increasingly likely to result in locaized power failures. The procurement of an electric truck will also reduce Shutesbury's reliance on fossil fuels for powering DPW vehicles.

Grantee: Somerville (& Everett, Medford, Cambridge, Winthrop, Chelsea, Revere)
Project Title: Centering Social Equity in Regional Systems: Lower Mystic Resilient Community Centers Network
Award: $310,100
This project builds on groundwork laid by seven individual municipalities and, with multiple community-based organizations and Resilient Mystic Collaborative staff, will advance a resilient community center network in the Lower Mystic Watershed area. This involves (1) developing a community of practice for resilient community center leaders, (2) centering resident-led programming design, and (3) conceptualizing and identifying sites for a regional network of indoor facilities to serve priority populations and others needing protection from extreme weather.

Grantee: South Hadley
Project Title: Pearl Street/Elmer Brook Culvert Replacement
Award: $1,283,063
The project will complete construction to replace an existing undersized 6-foot diameter corrugated metal pipe that severely constricts Elmer Brook's bankfull width and has a cascade/free fall condition at the outlet with a 16-foot span open-bottom structure. Once constructed, the project will meet the MA Stream Crossing Standards for significantly improved aquatic connectivity on a coldwater stream, improve

alignment of the crossing to the stream channel to alleviate geomorphic risks of blockage/failure, and restore a natural channel geometry and streambanks through the existing scour pool.

Grantee: Stoneham (& Upper Mystic River Communities)
Project Title: Stoneham High School Wetlands Restoration Project
Award: $2,346,126
The project is expected to provide a healthy, resilient wetland area that will help to mitigate local flooding in the vicinity of the parcel but also provide regional benefits to downstream resource areas including wetlands and Doleful Pond, which contribute to the broader Mystic River Watershed. The project has been permitted by the Stoneham Conservation Commission. The town is seeking funding for development of construction documents and construction, with an anticipated construction timeline of spring 2025 to spring 2026. Overall benefits anticipated include: restored wetland capacity to address increased storm depth and intensity as well as higher groundwater elevations; improved wetland species diversity to better resist invasive species and encourage wildlife diversity; and addition of microtopography to provide smaller, shallow depressions for dispersing water and encouraging filtration and infiltration for water quality improvements. Accessible permeable pathways, trailheads and signage will provide access and connectivity to a natural open space.

Grantee: Stoughton
Project Title: Stoughton Town-Wide Culvert Assessment
Award: $312,982
The goal of the project is to assess flood risk, structural condition, and the ecological and social impact of all town-owned culverts in Stoughton to create a prioritized inventory. Recommended mitigation projects will be suggested for the 10 highest priority culverts and will include funding opportunities and cost estimates. Additionally, this project will expand upon previous efforts to engage with the community and Stoughton's socially vulnerable populations to increase awareness of climate risks and offer input to the town through the creation of a community-based Climate Advisory Group.

Grantee: Sudbury
Project Title: Locally Grown Sudbury
Award: $92,500
Locally Grown Sudbury intends to improve the climate resilience, food security, and health equity of Sudbury's residents. This project will promote eating locally grown foods by hosting two (2) Sudbury Grown Fairs, and developing a Farmers Market and Food Security Action Plan to strategize holding similar events consistently in the future. To ensure that these nutritious foods are as accessible as possible, this project also aims to provide coupons to climate vulnerable households so that products sold at the fairs may be acquired at a free or reduced rate. Additionally, this project will implement a Climate Resilient Food Security Engagement Series in order to support local farms, educate the public on the overlap of climate change and food access, and provide tools and resources for residents to become more climate resilient and sustainable in their homes.

Grantee: Townsend
Project Title: Climate Resilient Drainage Masterplan - Townsend, MA
Award: $154,500
The Town of Townsend aims to address climate resiliency, particularly pertaining to climate-influenced flooding associated with urban drainage and flooding associated with the Squannacook and Nashua Rivers. This project will provide Townsend with the needed information to design and implement solutions to address flooding and its associated impacts such as infrastructure damage, emergency response especially to populations at risk, and accessibility. Identification of nature-based solutions and a masterplan will help

Townsend prioritize both green infrastructure solutions and drainage improvements in the form of a Climate Resilience Masterplan.

Grantee: Tyngsborough
Project Title: Bridge Meadow Brook Culvert Replacement
Award: $326,500
The proposed two-year schedule for the project includes surveying, geotechnical investigation and analysis, hydrologic and hydraulic analysis, conceptual design, permitting, and final design for the eventual implementation of a replacement structure at the existing culvert crossing that will implement nature-based solutions and meet the Massachusetts Stream Crossing Standards (MSCS) to the maximum extent practicable. The replacement structure is anticipated to be a bridge with a span greater than 10 feet, subject to MassDOT Chapter 85 review. Currently, the culvert is undersized and failing, which is limiting water passage, causing flooding, and in extreme precipitation events, causing Dunstable Road to be impassable. The project would aim to replace the structure to improve freshwater flow and allow for wildlife passage, as well as protect the functionality of Dunstable Road during extreme precipitation and potential flooding events.

Grantee: Wampanoag Tribe of Gay Head (Aquinnah)
Project Title: 27 Aquinnah Circle Land Improvements
Award: $717,500
This project will focus on community engagement and land improvements to 3.5 acres of land on the majestic Aquinnah Cliff.

Grantee: Washington
Project Title: Depot Brook Flood Resilience Project
Award: $311,994
The Depot Brook Project aims to tackle flood mitigation comprehensively by assessing aging infrastructure, enhancing upstream and downstream flood management, and assessing opportunities to implement nature-based solutions. Key tasks include data collection and analysis; development of alternatives for the Eden Gen Dam, culvert capacity, and flooding mitigation and erosion control options for Depot brook, with a focus on nature-based solutions; and establishing a community nursery program. Through these efforts, the project seeks to set the stage to increase resilience to flooding and protect critical infrastructure and communities.

Grantee: Watertown
Project Title: Equity-Based Community Greening Program: Phase 2
Award: $976,270
The City of Watertown is proposing Phase 2 of our Equity-Based Community Greening Program, which seeks to address the outsize risks posed by climate change to our climate vulnerable populations by focusing green infrastructure investments in our most at-risk neighborhoods. The program's goal is to create climate-resilient neighborhoods and actively engage residents in the process. Major tasks include constructing two green streets, identifying and designing two additional green streets for future construction, and conducting related community engagement activities.

Grantee: Wenham (& Hamilton, Ipswich)
Project Title: Miles River Watershed Action Plan
Award: $60,048
As the largest tributary of the Ipswich River lower watershed, the Miles River provides countless benefits to its communities and to the Ipswich River watershed as a whole. However, the river experiences significant

issues related to barriers to flow - which increase flooding - nutrient inputs, and low flow velocity. This project will produce a Miles River Watershed Action Plan, combining extensive data analysis and community engagement, to set the framework for long-term restoration of the Miles River.

Grantee: Westport
Project Title: East Beach Voluntary Buy-Out Pilot Program
Award: $60,000
Westport's East Beach is the most climate-vulnerable stretch of coastline on Buzzards Bay. As it is host to 83 seasonal mobile-home lots, maintenance and repair of the road and utilities on this barrier beach is becoming increasingly difficult following coastal storms. Westport will conduct an extensive community engagement effort with residents around a pilot buy-out program.

Grantee: Whately
Project Title: The Future Looks Like Whately: Planting Resilience through Nature-Based Solutions
Award: $82,542
This project in Whately will address the top hazards identified in Whately's Municipal Vulnerability Preparedness Plan, provide education to the community about and facilitate the use of, Nature-Based Solutions and ecological land management practices. improve crop pollination for the dozens of working farms in our community, and restore habitat and support a wide diversity of plant, pollinator and other animal species.

Grantee: Wilmington (& North Reading)
Project Title: Building the Climate Resilience of the Martins Brook Floodway
Award: $321,560
The project scope encompasses the hydrologic and hydraulic study of a segment of Martins Brook, from Martins Brook Pond in North Reading, down stream to the Salem Street culvert crossing in Wilmington. Annual flooding takes place upstream of the Salem Street culvert in residential areas in the Town of North Reading that have been built along the shore of Martins Pond. These major floods have incurred damage on residential areas in North Reading affecting approximately 650 residents. Scope also encompasses the survey and resource area delineation of the existing Salem Street culvert in Wilmington, and the engineering design and permitting of replacing (and improving) the Salem Street Culvert in Wilmington, which is downstream of the two other culverts (Burroughs Road culvert in North Reading and Benevento property culvert) along this segment of Martins Brook Floodway. This culvert is scheduled to be replaced first due to its deteriorated condition and its location downstream of the other two culverts. The Salem Street over Martins Brook Culvert was identified and listed as the top priority for replacement in the Town's 2021 HMP/MVP Plan.

Grantee: Yarmouth
Project Title: Route 28 Corridor Resiliency
Award: $167,301
The main goals of this 2-year MVP action grant are to assess and identify optimal corridor emergency access and egress routes that result in prioritized road segments primed for least cost resilient strategies and adaptations, and develop flood exposure assessments for all residential andcommercial structures and develop district level adaptation strategies for each neighborhood in the study area. Main tasks include pre-assessment data gathering, modeling the road network with Network Analyst, hosting a series of enhanced engagement events (info sessions, stakeholder interviews, etc), conducting neighborhoods risk exposures assessment on businesses and residents, and hosting a community resiliency fair.

FY24 MVP Action Grant Projects

Grantee: Amherst
Project Title: Fort River Watershed Improvements for Flood & Water Quality Resiliency
Award: $169,250
The Town of Amherst seeks to upgrade infrastructure in order to improve the resiliency of the Fort River Watershed to climate change. The Town proposes to replace three undersized, damaged culverts for flood resiliency and re-route a sewer for water quality resiliency. The health of the Fort River is very important to the Town residents and will only become more critical with climate change.

Grantee: Andover
Project Title: Climate Ready Shawsheen - Preparing for Flood Resilience
Award: $81,900
The Town of Andover will build upon on their FY22 & FY23 MVP Action Grant projects to advance a nature-based resilience project at a priority site along the Shawsheen River. The project will incorporate additional public outreach to engage community members and will advance preliminary design of a site along the Shawsheen that had been previously identified as a prime candidate for flood storage and/or a restoration project.

Grantee: Attleboro
Project Title: Green Stormwater Infrastructure Feasibility Study
Award: $101,250
The City of Attleboro proposes to conduct a green stormwater infrastructure (GSI) retrofit of its grey stormwater management system. The first phase of this project is to conduct a feasibility study to determine where to implement GSI within the right-of-ways of multiple city streets. The goals of this project would be to improve water quality, mitigate heat island effect, and provide better stormwater management within environmental justice communities.

Grantee: Avon
Project Title: Urban Park for People: Resilient D.W. Field Park
Award: $1,455,350
This project will implement Nature Based Solutions (NBS) to improve the physical and social climate change resilience of the 700-acre D.W. Field Park in Avon and Brockton and its watershed. This project aims to assess the watershed and Park resilience opportunities and resources; preserve the most critical parcel of unprotected land in the entire watershed--an extremely time-sensitive action item; design pilot nature-based solutions; and engage the community.

Grantee: Barnstable
Project Title: Hyannis Harbor Master Plan
Award: $199,000

The Town of Barnstable seeks to develop a master plan for Hyannis Inner Harbor to better understand the current and future challenges and opportunities of this working and recreational waterfront and create a cohesive strategy for the mix of land uses that activate the harbor area daily. The Town also seeks to review and plan for the growing development pressures immediately around Hyannis Harbor and better align its current zoning to meet today's needs, while also making the Harbor and associated development areas more resilient to the threats of climate change. The master plan will consider the interaction between public open spaces and private development parcels, ensuring the entire area is designed to cohesively consider people, the environment, and the economy.

Grantee: Bolton
Project Title: Future Resilient Field at Derby
Award: $22,300
This project focuses on how public fields and park areas may be designed and constructed to provide ecosystem services, community refuge from climate hazards, and exhibit implemented nature-based solutions on a site that positively impacts the community's vulnerable populations. This phase of the project will design and implement a community engagement strategy, and build out a task team to design a native edible garden area.

Grantee: Boston (& Revere)
Project Title: Regional Climate Resilience and Recreation in Boston, Revere, and Belle Isle Marsh
Award: $330,500
The project will build upon the Study of Belle Isle Marsh and Climate Ready Boston's findings through further assessment and exploration of three design alternatives for flood risk reduction on Bennington Street in Boston and Fredericks Park, Belle Isle Avenue, and Montfern Avenue in Revere. The project team aims to complete a feasibility assessment and schematic design of these alternatives to identify a preferred coastal resilience solution to advance to further design that will protect Boston and Revere from coastal flooding while providing a myriad of co-benefits, including stormwater management, urban heat island reduction, recreational enhancement, and the health and longevity of Belle Isle Marsh.

Grantee: Briggsville Water District (& Town of Clarksburg)
Project Title: Briggsville Water District Land Acquisition and Tank Engineering for Flood and Drought Resilience
Award: $48,150
Project Summary: Briggsville Water District seeks to acquire land to relocate its water storage tank out of the 100-year floodplain and advance designs large enough for drought resilience.

Grantee: Brookline
Project Title: Brookline Town-wide Drainage Model, Flood Mitigation & Climate Adaptation Assessment
Award: $145,226
This project will develop a Flood Mitigation Plan for the Town of Brookline. This Plan will provide a strategy to adapt the Town's stormwater management system to climate change and mitigate the risks posed to vulnerable infrastructure and communities. This project will also provide the Town with a model of its stormwater drainage system, which is an essential tool for supporting the Town's long-term climate adaptation planning efforts.

Grantee: Buckland
Project Title: Design of Clesson Brook Watershed Resiliency Projects
Award: $160,000
The proposed project will build upon the outcomes of Buckland's FY22 project, which identified vulnerabilities within the Clesson Brook watershed. The proposed project will include the development of detailed designs for flood mitigation and bank stabilization projects along Clesson Brook and will incorporate capacity building to lay the groundwork for future implementation of these projects. This would include coordination with private landowners and public outreach to build consensus for the importance of improving resiliency along Clesson Brook.

Grantee: Burlington (& Resilient Mystic Collaborative - Upper Mystic Working Group: Arlington, Belmont, Burlington, Cambridge, Everett, Lexington, Malden, Medford, Melrose, Reading, Somerville, Stoneham, Wakefield, Watertown, Wilmington, Winchester, and Woburn)
Project Title: Retrofits to Facilities that Host or Serve Priority Populations
Award: $90,600
This project will increase the climate resilience of priority populations by identifying the top flood-prone facilities in the Upper Mystic that serve or host priority populations, prioritizing these sites with stakeholders and community members, and ultimately selecting the top 14 sites for initial resilience concepts. The intention is to tee up a suite of projects serving priority populations that each municipality could individually carry into the design/permitting phase for future projects.

Grantee: Carlisle
Project Title: Climate Resilience Land Use Best Practices in Carlisle
Award: $93,740
The Town of Carlisle is seeking technical assistance to incorporate strategic, comprehensive, and data-driven climate resilience best practices into our local rules, regulations, and bylaws for land use. Land use policies are implemented by a range of staff, departments, boards, committees, and commissions; ongoing utilization and subsequent monitoring and evaluation of such policies will result in awareness, knowledge, and experience that will permeate decision-making going forward. This project will include an ongoing, robust, and multi-pronged public involvement and community engagement effort; in-depth familiarization with Carlisle's policies, regulations and bylaws, as well as Carlisle's unique challenges and historical practices; formulation of initial recommendations through deep dives with each land use department; and preparation of final recommendations after a public comment period.

Grantee: Chelsea
Project Title: Advancing the Vision for a Resilient & Community Focused Eastern Avenue
Award: $339,000
This project will continue Chelsea's FY23 resilience study for Eastern Avenue by ground-truthing the proposed flood and heat mitigation solutions through a traffic study and performance modeling to better understand the effectiveness of proposed solutions. In addition, engagement with stakeholders, including property owners, the MBTA, and residents, will continue. The project will culminate in a schematic design of all proposed resilience measures.

Grantee: Chelsea
Project Title: Heat Mitigation at Chelsea's Elementary Schools
Award: $315,690
Chelsea seeks to pilot cooling measures in an identified heat island - the public sidewalks, plazas, and roads surrounding the Mary C. Burke Elementary School Complex, where all of Chelsea's public elementary school students attend school. After a year of planning and design in FY24, the city will implement outdoor cooling measures in FY25 along common walking routes to the elementary schools. This may include additional street trees, other shade structures, plantings and additional green space, and lighter pavement surface treatments. This project will also include a STEM education component to introduce Chelsea students to issues of climate change and urban heat in their community.

Grantee: Chesterfield
Project Title: Chesterfield MVP Planning
Award: $76,000
Chesterfield seeks to assess 6 town-owned properties for existing building conditions and will engage experts to make recommendations for future use relative to their climate resiliency. This project will also include developing a database for communication and information sharing on climate resilience.

Grantee: Clarksburg
Project Title: Four Corners Floodplain Restoration and Flood Resiliency Project
Award: $215,143
The Town of Clarksburg is seeking funding to address inland flooding and drainage issues at the Peter A. Cook Veterans Memorial Field and surrounding area, locally called the Four Corners. The project aims to reduce the risk of property damage, injury, and critical infrastructure disruption caused by extreme precipitation events due to climate change. The primary tasks include siting and developing nature-based solutions and the planning process will prioritize community-led design process and accessibility with a core team consisting of key local groups working together to ensure the project meets the community's needs and fosters a sustainable future.

Grantee: Conway
Project Title: Conway Center Flood Mitigation Project
Award: $279,000
Conway seeks funding to collect the hydraulic and hydrologic data necessary to determine the reaches along the Pumpkin Hollow Brook and South River, which need to be addressed in order to alleviate the potential for flooding in Conway center. This project will focus strongly on public education around the information gathered and participation in the choosing of potential projects to pursue in future years, focusing on those with nature-based solutions.

Grantee: Dartmouth
Project Title: Nature-Based Solutions Retrofit of Critical Infrastructure within Coastal Flood-Prone Areas
Award: $84,375
This project will help address key components of the previously completed 2020 MVP Plan by assessing town-owned infrastructure within highly vulnerable areas and identify Nature-Based Solutions for

improvement. Primary objectives include completing a vulnerability assessment and to develop an action-oriented resiliency plan for municipal storm water infrastructure, culverts, areas with known coastal flooding that will be negatively impacted by climate change, and to develop a comprehensive public education program that will serve to educate the general community of Dartmouth.

Grantee: Dedham (& Boston, Canton, Foxborough, Milton, Norwood, Sharon, Stoughton and Westwood)
Project Title: Neponset River Watershed Regional Climate Resilience Collaborative and Flood Model Phase 2
Award: $608,134
This project will bring together the communities of the Neponset River Watershed to enhance the watershed-wide hydrologic and hydraulic flood model for the freshwater portion of the Neponset River Watershed, further investigating high-risk sub-watersheds in each partner town, and developing nature-based flood mitigation concepts in up to six impact areas. It will also establish both a steering committee and community advisory group to organize a regional climate collaborative, which will develop a workplan to guide regional implementation of adaptation priorities and assists with public outreach and engagement of environmental justice and other priority populations.

Grantee: Dedham
Project Title: Short and Long-Term Flood Resilience Strategies for Dedham's Manor Neighborhood
Award: $93,750
Dedham seeks to address the anticipated increase in the frequency of intense rainfall events and the impact they are having on Dedham's Manor Neighborhood by advancing management strategies to mitigate flooding within the Manor Neighborhood. This project will build off an FY23 MVP Action Grant that developed watershed and sub-watershed wide flood models for the Neponset River Watershed and advance the design of nature-based solutions while also exploring additional strategies related to public engagement, regulatory considerations, managed retreat, and capacity building for storm preparedness.

Grantee: Deerfield
Project Title: Deerfield Green Infrastructure
Award: $237,823
This project will implement green infrastructure projects in three key Deerfield locations, which were previously designed under MVP grants. These three key locations include the construction of rain gardens, tree box filters, and a bio-swale to reduce flooding and stormwater impacts in South Deerfield Center; the construction of rain gardens, landscape improvements, and fencing to reduce flooding and icing hazards at Deerfield Elementary School; and the construction of a tree box filter to reduce flooding impacts to valuable historic properties in Historic Deerfield. These projects will include elements of community engagement such as curriculum development for Deerfield Elementary School and will address Deerfield’s key climate impacts and vulnerabilities to improve community resilience.

Grantee: Devens (& Ayer)
Project Title: Taking Root: Expanding the Ayer-Devens Pocket Forest Project
Award: $109,004

The Town of Ayer and the Devens Regional Enterprise Zone (Devens) are working together with residents and community members to install four additional pocket forests (2 in each community) and increase environmental and climate literacy by developing a project-specific educational curriculum that will be shared beyond their communities. Building on the high-level of interest in the MVP-funded Pilot Pocket Forest Project, teachers, students, and community members will engage in pocket forest installation, monitoring, and maintenance and expand their understanding of climate threats and how they can collaborate to make our communities more resilient. These forests will better connect people with nature and reduce impacts of climate change by reducing urban heat-island impacts, improving air quality, reducing flooding through increased rainfall capture and infiltration, and providing accessible greenspace.

Grantee: Easthampton
Project Title: Emerald Place Resiliency Improvements
Award: $304,800
The MVP project focused on Emerald Place will complete design and permitting for bioengineered slope stabilization (e.g., vegetated, reinforced soil lifts) and green infrastructure to address ongoing impacts of increasingly heavy precipitation in a highly impervious, older neighborhood in the City. The proposed nature-based improvements will provide filtration and infiltration for stormwater prior to discharge to Lower Mill Pond as a critical first step to improving overall water quality improvements and building resilient drainage systems for the New City neighborhood at large. The Emerald Place project also has significant community co-benefits for upgraded walking/biking infrastructure and safety in the shaded corridor, which will be further enhanced by management of invasives and increased native plantings.

Grantee: Egremont (& Great Barrington)
Project Title: Bringing Climate Action Home to Egremont
Award: $81,500
This project will review existing Town policies and zoning bylaws to incorporate specific climate resiliency language. Zoning bylaws will focus on building affordable housing, protecting ground/surface water resources, encouraging compact growth, using nature based/green materials and technologies and promoting energy efficiency. It will also use climate data to inform and conduct baseline surface and subsurface hydrologic/hydraulic/geotechnical studies in Karner Brook watershed per MVP priorities, to identify specific threats to infrastructure and site an emergency backup public water supply well. The Egremont Green Committee will host two "Bringing Climate Action Home" educational, hands-on workshops, to teach various aspects of climate science, highlight local threats per regional data, connect residents to incentives and resources, to help "operationalize" and document Town's and resident's actions/progress in responding to climate change.

Grantee: Everett (& Melrose and Chelsea)
Project Title: Creating Oases in our Hottest Neighborhoods: Increasing Urban Forest Health through Green-Grey Solutions in the Mystic Watershed
Award: $390,725
This project will plant trees to combat extreme heat in three municipalities in the Mystic River watershed (Everett, Chelsea, and Melrose) using stormwater infiltration structures to decrease tree

mortality, leverage regulatory mandates, and capture numerous co-benefits. This project includes both planning and construction, and all locations will be street trees on municipality owned right of ways.

Grantee: Everett
Project Title: The Resilient and Accessible Habitat at Rivergreen on the Malden River Project
Award: $97,795
This project will restore natural functions to degraded wetlands and buffer zones in the park to improve air and water quality, reduce the potential for inland flooding and fire, and reverse degradation of wetland ecosystems through access stabilization and enhancement of soil, vegetation, and habitat improvements. These restoration efforts will be implemented while engaging residents in awareness and training in order to meet Everett's long-term resiliency goals.

Grantee: Fall River (& Swansea, Somerset, Dighton, Freetown, Westport, Dartmouth)
Project Title: Regional Water Supply Firm Yield Analysis and Systems Assessment Under Climate Change
Award: $111,170
The goal of this study is to gain an essential understanding of how the reliability of this regional water supply system will change in the face of rising temperatures, seasonal drought and increased seasonal high-yield precipitation events. By specifically determining the firm yield of Copicut Reservoir, North Watuppa Pond, and South Watuppa Pond in Fall River, MA, and Stafford Pond in Tiverton, RI, Fall River can establish the amount of water supply available to potentially serve other communities under different circumstances. The result of this assessment will determine the overall system's productivity under climate change and drought conditions, when a more regional approach to water supply will likely be necessary.

Grantee: Fitchburg (& Leominster, Groton, Pepperell, and Ashburnham)
Project Title: Nashua River Watershed Natural Solutions Action Project
Award: $403,985
The Nashua River Watershed Association (NRWA) will serve as lead coordinator of a Watershed-wide Natural Solutions Planning Project, drawing on data like what was developed for the MA Healthy Soils Action Plan 2023 (MA HSAP), but tailored to the Nashua River Watershed area in MA. Watershed-wide maps and charts will be obtained and the NRWA will conduct a robust public involvement and community engagement program, through which potential Nature-Based Solutions projects of interest to each of the five focus municipalities (Fitchburg, Leominster, Ashburnham, Groton and Pepperell) will be identified. Experienced experts will facilitate this portion of the project, including providing site-specific NBS Tool kits. The NRWA will devote a portion of its website to this project, in which project updates, reports and related materials will be kept current and accessible, and will also conduct NBS programs for all 4th grade classrooms within each of the five focus municipalities once each year, for a total of ~110 classroom visits over two years.

Grantee: Fitchburg
Project Title: Blue/Green Downtown Fitchburg - Climate Adaptation Action Plan
Award: $365,000
Blue/Green Downtown Fitchburg will help to better define the causes and factors contributing to riverine and drainage-related flooding in the area and provide recommended measures to reduce

flooding. This project will take the results of the flooding evaluation and layer on other climate impact considerations like extreme heat, community and social resilience, and the City's economic development goals. The project will geographically focus on the newly approved Urban Revitalization Area (URA) in Downtown Fitchburg and will result in concept-level flood mitigation recommendations to alleviate flooding within the area while also addressing extreme heat impacts, enhancing quality of life, and ensuring development and infrastructure improvements within the URA will be climate smart. These recommendations will include a combination of drainage system improvements, nature-based solutions such as green stormwater infrastructure, community cooling infrastructure, floodplain restoration, and raising or relocating infrastructure and structures outside of areas impacted by flooding.

Grantee: Fitchburg
Project Title: Generating & Measuring Resiliency in Downtown Fitchburg with Nature-Based Solutions
Award: $293,800
Building on the momentum of MVP FY23 Downtown NBS and previous MVP Action Grants, this project will result in the identification and development of additional NBS concept designs for the Downtown area. Fitchburg will also develop a NBS monitoring and maintenance program that assesses the performance and practicalities of maintaining installed NBS projects (across the city and MVP FY23 implemented designs). The program will involve training current DPW staff, community groups, and STEM-focused students from Fitchburg High School in monitoring and measuring NBS performance and development. Data and information collected throughout the year will form the basis of a NBS Guidelines document that will foster understanding of co-benefits and will ultimately be transferable to any MVP community implementing similar NBS projects.

Grantee: Framingham
Project Title: Walnut Street Neighborhood Flood Mitigation - Construction
Award: $1,987,968
The Walnut Street Neighborhood Flood Mitigation Construction project is the implementation and continuation of previously funded MVP grant funded projects. The project is to restore hydraulic connectivity, enhance flood mitigation capacity and increase resiliency for climate change by removing an earthen berm and restoring surrounding wetlands, stream channels and streambank in the wetlands complex between Walnut Street, Main Street and Stonybrook Road. The berm will be replaced with an elevated boardwalk providing an ADA accessible path through an environmental justice neighborhood to connect community amenities and will incorporate public education elements.

Grantee: Framingham (& Ashland and Sherborn)
Project Title: Protection of a Climate Resilient Tri-City Open Space Cluster in MetroWest
Award: $215,000
The Protection of a Climate Resilient Tri-City Open Space Cluster in MetroWest involves the acquisition and permanent protection of five parcels of land in the Town of Ashland, City of Framingham, and Town of Sherborn. These 40 acres of undeveloped land are not only essential in boosting the climate resiliency of their immediate neighborhoods (including the most socioeconomically disadvantaged residents living in Framingham), but the parcels are also critical in creating publicly accessible open space in an area

lacking in such amenities, and in building the next phase of the regionally connected Upper Charles Rail Trail.

Grantee: Gloucester
Project Title: Low-Lying Roads Project
Award: $58,506
The City of Gloucester is seeking to fund a Low-Lying Road Project. The intended project will identify and prioritize the vulnerability of low-lying roads, consider conceptual design alternatives for two high priority road segments, and engage the community in order to receive feedback on analysis results and understand tolerance and support for potential solutions.

Grantee: Great Barrington
Project Title: Lake Mansfield Improvements Phase 2
Award: $709,720
This project at Lake Mansfield will remove an existing roadway and replace it with a new multi-use recreational path. It will use nature-based solutions to create a vegetated buffer zone that will cool and filter stormwater and improve water quality. This project builds on the Town's FY23 MVP grant and over 15 years of community engagement.

Grantee: Groveland
Project Title: Continuation of Johnson Creek Watershed Flood Resiliency Project
Award: $143,666
The purpose of this project is to advance the top two (2) prioritized recommendations from the Town's FY22 MVP Action Grant to improve resiliency within the Johnson Creek Watershed. Project tasks include performing targeted public involvement and community engagement activities, designing and performing in-kind construction of a nature-based solution (i.e., bioretention area with native wildflower plantings) to capture and infiltrate runoff at Washington Park located within the Johnson Creek Watershed, and designing and permitting stream continuity improvements and bank restoration at the inlet of Johnsons Pond at Lower Center Street.

Grantee: Hadley
Project Title: Watershed-Wide Flood Resilience Improvements
Award: $157,641
The purpose of this project is to perform a watershed-wide assessment and develop recommendations to improve resiliency and decrease flood risk along the selected stream reach. Project tasks include (1) performing targeted public involvement and community engagement activities, (2) performing flood modeling under existing and potential future conditions, (3) developing a prioritized action plan to reduce flood risk throughout the watershed through nature-based solutions and stream continuity improvements, (4) designing and permitting stream continuity improvements of two undersized culverts along the stream reach based on the prioritized action plan, and (5) designing and performing in-kind construction of a nature-based solution (i.e., bioretention area with native wildflower plantings) to capture and infiltrate runoff a location within the watershed selected based on the prioritized action plan.

Grantee: Hampden
Project Title: Main Street Bridge Replacement and Green Solutions Project
Award: $247,740
This project will advance design and permitting for a replacement bridge on Main Street over East Brook. This will include the design of bio-retention areas or other nature-based solutions within the right-of-way of Main Street between the parking lot and Mass Audubon's Laughing Brook Wildlife Sanctuary located adjacent to the bridge project, a right-of-way location on Glendale Road, and another location on Bennett Road, both located upstream from the bridge replacement project.

Grantee: Harvard
Project Title: Harvard Littleton County Road Land Protection
Award: $401,250
This a joint project by the Town of Harvard, Harvard Conservation Trust (HCT), and Gaining Ground - a non-profit organization that grows produce for donation to food pantries and shelters in the Boston and Worcester metro areas. HCT will acquire two parcels totaling 39 acres, which contains prime farm soils and is currently cultivated, as well as forests and wetlands of ecological significance, and which are climate resilient. The Town of Harvard will purchase a Conservation Restriction on the parcels protecting them in perpetuity for conservation and agriculture uses. Gaining Ground intends to farm part of the land under a long-term lease with HCT.

Grantee: Harvard
Project Title: Harvard Climate Implementation Plan - Phase One: Protective Bylaws and Community Outreach
Award: $47,390
With community input gathered over the last couple of years, the Harvard Climate Initiative Committee developed Harvard's Climate Action Plan, which was unanimously approved by our Select Board in December 2022. This proposal encompasses Phase One of our plan and is focused on outreach and development of bylaws that address wetlands protection, erosion control, and open space residential development. It also focuses on community outreach for general climate resiliency.

Grantee: Harwich (& Brewster)
Project Title: Harwich Route 124 Culvert Restoration
Award: $89,913
This project will provide public outreach, existing conditions assessments, and an alternative analysis for the initial phase of the restoration of the Route 124 culvert that serves Long Pond as it flows into the Herring River in Harwich. In addition, a viewing platform and educational signage will be installed where the culvert intersects the Department of Conservation and Recreation's Cape Cod Rail Trail. The overall goal of this project will be to replace the existing culvert with a structure that is compliant with Massachusetts Stream Crossing Standards, and to replace the existing upstream concrete channel with a Natural Channel Design and banks bio-stabilized with native vegetation.

Grantee: Holyoke

Project Title: Green Infrastructure Design and Land Protection in the Day Brook Watershed
Award: $192,900
This project consists of a combination of interrelated interventions aimed at reducing stormflow volume and improving water quality in Holyoke's Day Brook watershed, as well as achieving associated community health and ecological co-benefits. Primary activities include an artist residency program with Holyoke youth, development of green infrastructure designs at key watershed locations, and acquisition of open space associated with the headwaters of Day Brook.

Grantee: Holyoke
Project Title: Recipes for a Resilient Holyoke: A Community Cookbook
Award: $141,680
This project seeks to build resilience against the intersecting stresses impacting communities experiencing climate vulnerability and food insecurity and is centered around the development of a community cookbook. This cookbook will weave together community recipes, meal plans, inspiring resilience stories, community food, educational content that highlights complex intersections of food, climate, and resilience, and community garden toolkits. Through both the process and outputs of this project, the project aims to create tangible resources to support resilience, support community education and training around the connections between climate change and food security, and build capacity for resilience policy advocacy and system transformation.

Grantee: Hull
Project Title: Hampton Circle Area Adaptation Roadmap Phase 2
Award: $200,000
The Hampton Circle Area (HCA) is a low-lying neighborhood in the Town of Hull that is vulnerable to current and future flooding. The Town and residents of HCA seek to advance priority actions identified in Phase 1 during this grant cycle. Initial priority actions were determined based on community preferences, ability to mitigate flood impacts, and feasibility of implementation. This phase will encourage participation in the Town of Hull’s Home Elevation Program (a FEMA partnership to receive funding to raise homes and critical systems), enhance community outreach around emergency response and long-term planned retreat, further develop designs for flood protection on the eastern and western coastlines of HCA and nature-based solutions in the central park space to include bioretention and marsh-grass features to create a floodable area, and conduct a drainage assessment and identify green and grey infrastructure upgrades.

Grantee: Ipswich
Project Title: Ipswich Town Wharf Pump Station Relocation and Coastal Resiliency Improvement Project
Award: $235,000
This project will advance community engagement efforts, preliminary design, and permitting associated with relocating a critical piece of infrastructure, Ipswich's Town Wharf Pump Station. The Pump Station, which is at risk of failure due to flooding, will be relocated thus avoiding the catastrophic environmental, social, and economic risks associated with failure at its current location. Community input and ecosystem restoration will guide the reimagination of these spaces.

Grantee: Ipswich

Project Title: Upper Castle Neck Salt Marsh Restoration
Award: $104,848
This project will advance an alternatives study, design plans, and permitting for the elimination of the Old Essex Road causeway and subsequent daylighting of the Castle Neck River at Old Essex Road via full removal of the stone crossing structure. It will conduct a comprehensive assessment of the metal crossing structure and causeway at Rt. 133. The overall goals of the project are to improve coastal resilience in the Towns of Ipswich and Essex and mitigate transportation vulnerability along Route 133.

Grantee: Leyden (& Bernardston)
Project Title: The Identification, Assessment and Mitigation of Multi-Town Wildfire Hazards
Award: $179,200
This project will identify and address climate-induced wildfire hazards in Leyden and Bernardston. Key components of the project will include: the assessment of slope and forest areas utilizing GIS risk mapping; the creation of Citizen Scientists who will provide site monitoring over time concerning the determination and mitigation of wildfire risks; the development and implementation of landowner focused forest management initiatives including nature-based solutions; and the expansion and upgrading of emergency management practices covering preparedness, response and mitigation relating to wildfire hazards. The methodologies and procedures developed throughout this project will be transferred to other communities and regions.

Grantee: Longmeadow
Project Title: Cooley Brook Watershed Improvements Phase 2: Conceptual & Permitting Design
Award: $424,375
This project will develop 60% permitting level design for the restoration and rehabilitation of Cooley Brook from its headwaters in Bliss Park through its reach downstream to the Longmeadow Street culvert on the western boundary of Laurel Park. This grant proposal represents Phase 2 of the overall Cooley Brook Watershed Improvements project, which pulls together the results of the data and modeling generated in Phase 1 and will determine appropriate design and green infrastructure locations and solutions through robust community input and participation. Overall Cooley Brook Watershed Improvements seek to rehabilitate Cooley Brook from erosion and water quality and habitat degradation and reduce localized flooding through nature-based green stormwater management solutions.

Grantee: Ludlow
Project Title: Resilient Stormwater and Urban Heat Island Assessment
Award: $135,000
The goal of this project is to complete an Urban Heat Island assessment and stormwater system field investigations and assessment. As a result of those assessments, this project will then identify and prioritize nature-based solutions including green infrastructure and tree planting for implementation in prioritized areas determined through the heat and stormwater assessment. The work includes public outreach and engagement of students and EJ community members.

Grantee: Lynn
Project Title: G.E.A.A. Field - Flooding Now, Floodable in the Future

Award: $190,000
The City of Lynn is seeking funding for the design and permitting of a resilient recreational park, the continuation of a City-funded mitigation study to reduce flooding at the G.E.A.A. field. The project will also include conceptualization of a pump station pad and tide gate. This project will provide a multi-purpose recreational space that will reduce impacts of climate change, including coastal, inland, and stormwater flooding, and mitigate extreme heat.

Grantee: Malden
Project Title: Malden River Works for Waterfront Equity and Resilience
Award: $2,998,049
The Malden River Works project will turn two acres of land behind the Malden DPW into a climate resilient riverfront park. The park will help protect the DPW from extreme weather events and is in an environmental justice neighborhood. This proposal will fund continuing community engagement activities, bid and construction phase assistance from our architect and engineer on the project, and construction activities concentrated in the DPW Yard.

Grantee: Martha's Vineyard Commission (& Aquinnah, Chilmark, Edgartown, Nantucket, Oak Bluffs, Tisbury, and West Tisbury)
Project Title: Fostering Ecosystem Resilience through Mapping, Prioritization, and Community Engagement
Award: $163,540
This project focuses on building resilience of the Island ecosystems through mapping, identifying critical areas, and fostering behaviors that enhance resilience. A foundational step is mapping terrestrial and marine vegetation which will then be used to identify priority areas for action. Community engagement will focus on working with key stakeholders who influence changes in the landscape to foster climate-smart practices. Finally, the broader community will be engaged through a Climate Action Fair with an emphasis on sharing outputs of this grant, learning specific actions that support resilient ecosystems, and identifying other ways to engage in climate action.

Grantee: Mashpee
Project Title: Increasing Resilience to Harmful Algal Blooms in Santuit Pond - Town Landing Stormwater Design and Permitting
Award: $228,000
This project advances work funded under FY22 and FY23 MVP Action Grants. The proposed FY24 MVP Action Grant project will advance the FY23 MVP refined stormwater retrofit concepts for Town Landing through design and permitting. The project is an ongoing partnership between the Town of Mashpee and the Mashpee Wampanoag Tribe and examines how traditional (e.g., indigenous) land and resource management techniques can intersect with the latest approaches in green infrastructure and nature-based solutions to address runoff water quality and improve the resilience of receiving waters, like Santuit Pond, to harmful algal blooms of cyanobacteria under future climate conditions.

Grantee: Medford
Project Title: Medford Urban Forest Vulnerability Assessment
Award: $106,500

This project will serve to inform the City of Medford about their urban forests' vulnerability to climate change and provide an action plan for creating a more resilient tree canopy across its diverse landscape. The city will be broken into zones that reflect commonalities in soil type, land use, and environmental risk factors, which will allow the city to take a strategic approach towards maintenance and future tree plantings.

Grantee: Metropolitan Area Planning Council (MAPC) (& Metro Mayors Coalition: Arlington, Boston, Brookline, Braintree, Cambridge, Chelsea, Everett, Malden, Medford, Melrose, Newton, Quincy, Revere, Somerville, Watertown, and Winthrop)
Project Title: Metro Mayors Cool Roof Project
Award: $88,500
Metro Mayors Cool Roofs Project aims to advance the implementation of cool roofs by developing a suite of tools and resources for municipalities to install cool roofs on municipal buildings, as well as encourage cool roofs on private property through land use policies, incentives, and education. This includes identifying priority municipal sites for installation in FY25. The project will also explore opportunities to reduce costs of installation through shared procurement and services at a regional scale.

Grantee: Monson
Project Title: Bunyan Road Relocation and Floodplain Restoration
Award: $291,500
This project will reroute Bunyan Road south along the west side of Chicopee Brook to connect with an existing road, eliminating need to cross the river. This will allow for the full removal of the failing Bunyan Road river crossing and all associated road embankment fill out of the floodplain, as well as the potential removal of abandoned downstream railway embankments which also obstruct flows through the floodplain. The broad wetland corridor, which is currently bisected by Bunyan Road and the railway embankments, will be restored, creating significant additional flood storage and improve the ecological health of the wetlands. Funds are being requested for 25% design and the MEPA review process.

Grantee: Natick
Project Title: Climate Resilient Park Network Along the Charles River in South Natick
Award: $290,000
The Town of Natick will develop permit level design plans and associated permit level documentation for 14.37 acres of passive and active recreational areas along the Quinobequin (Charles River) that will be impacted by or are in the area surrounding the Charles River Dam in South Natick, which the Town is separately working to remove. The objective is to improve climate resiliency of these open spaces through nature-based solutions, maximize on the expanded river access provided by dam removal, increase connectivity across open space areas, improve access and accessibility for environmental justice and other priority populations, and acknowledge and incorporate indigenous history and wisdom throughout the parks.

Grantee: New Bedford
Project Title: Kempton Street Green Infrastructure
Award: $350,750.00 (FY24: $350,750.00; FY25: $0.00)

This project will capture and treat run off from approximately 26,000 square feet of Kempton Street through the establishment of green infrastructure and nature-based solutions. A rain garden will be located behind the Waldron Barracks building in a seldom used lawn area and is easily accessible from an existing walking trail that circles Buttonwood Park and is adjacent to a Veteran's Memorial. This project includes a stone dust walking trail and informational signage, which will invite and educate visitors about the function and ecology of the rain garden.

Grantee: Newburyport
Project Title: Climate Resilient Newburyport: Community Collaboration & Capacity Building Project
Award: $191,377
The overarching objective of the Climate Resilient Newburyport: Community Collaboration & Capacity Building Project is to establish and foster connections between individuals, local community-based groups, and local government that result in sustained public advocacy for Newburyport's Climate Resilience plan. Through this proposed project, we will create an intentional community-wide education and outreach effort that will strengthen Newburyport's social resilience. It will empower community members to take ownership of their part of the climate change puzzle, leading to a greater understanding and buy-in of future climate mitigation and adaptation measures.

Grantee: Northbridge
Project Title: Flood Resilience and Water Quality Protection Through Better Causeway and Green Infrastructure Design
Award: $402,627
This project will advance designs (25%) of the community selected alternative for Carpenter Road Causeway, which was identified during an FY22 Action Grant. It will also further designs for green infrastructure that will help alleviate flooding at the Causeway and protect water quality in the source water reservoir system, conceptually designed under that same previous Action Grant.

Grantee: Norwood
Project Title: Hennessey Field Stormwater Detention Basin Concept Design
Award: $432,000
Project Summary: Norwood seeks funding to advance design and permitting for flood storage at Hennessey Field in order to alleviate neighborhood flooding without increasing downstream flooding. This project includes public engagement that seeks to collect stories on flooding & storms, while building support for stormwater utility resilience.

Grantee: Oak Bluffs
Project Title: Oak Bluffs Design of the Coastal Resilience Improvements for the Dukes County Ave Pump Station
Award: $146,658
Dukes County Ave Pump Station is in a FEMA mapped 100-year floodplain and in a Category 1 Hurricane Inundation Zone. The pump station conveys approximately 90% of wastewater to the wastewater treatment facility and is vital in safeguarding public health and natural environment. This project seeks to protect critical equipment by developing design drawings and specifications for implementation of improvements.

Grantee: Pittsfield
Project Title: Francis Avenue Parklet, Stormwater Designs, and Routing Study to West Street
Award: $322,435
The City of Pittsfield, Berkshire Regional Planning Commission (BRPC), Central Berkshires Habitat for Humanity, and Pittsfield Housing Authority have partnered to address climate change impacts and food injustice in Pittsfield's Westside Neighborhood through site and route improvements from Francis Avenue to the area's nearest grocery store and pharmacies on West Street. The project will fund a complete engineer stamped stormwater control design to reduce inland flooding at Francis Avenue, Francis Avenue parklet design plans to reduce heat impacts and promote public health, and improve pedestrian routing designs from Francis Avenue to West Street and Downtown resources.

Grantee: Plymouth
Project Title: Bartlett Road Dam Removal, Culvert Resiliency, and Stormwater Improvements
Award: $1,975,959
The Town of Plymouth's Bartlett Road Culvert & Stormwater Management Improvement Project replaces a deteriorating, undersized culvert situated over a diadromous fish run in the Manomet area of historic Plymouth, Massachusetts. Along with the removal and replacement of the culvert, the Town will realign the narrow roadway, add a much-needed sidewalk, and establish new green stormwater infrastructure, simultaneously protecting public safety, water quality, and ecological habitat at the site.

Grantee: Revere
Project Title: Diamond Creek Catchment Climate Resilience Improvements - Design and Permitting
Award: $386,911
The goal of this project is to reduce inland and coastal flooding in the Diamond Creek catchment area. This project will include public involvement and community engagement; preliminary design of a tide gate and outfall replacement; and preparation and filing of all required permits for tide gate construction. Future climate precipitation predictions will be used for sizing the outfall and preliminary tide gate designs.

Grantee: Revere (& Saugus, Lynn, Malden, & Everett)
Project Title: SPRARR-Regional Prioritization and Design Project
Award: $154,717
The City of Revere, in partnership with the Saugus Pines River Advocates for Regional Resilience (SPRARR) regional stakeholder group, seeks to utilize the data from their FY23MVP Vulnerability and Adaptation study to prioritize the top strategies that will yield regional flood risk reduction. Considering feasibility and feedback from stakeholders via community engagement, one project will be selected and advanced through the design phase. At the conclusion of the project, one regional project will be designed and ready to enter the permitting phase.

Grantee: Rockport
Project Title: Rockport Coastal Resilience Planning Project
Award: $242,067

The Town of Rockport wishes to identify, assess and prioritize nature-based solutions through a robust, community-driven public engagement process that centers Environmental Justice Populations as well as other Priority Populations. A variety of multi-modal educational and public engagement events, materials and tools will be employed and will include translation into community-relevant languages.

Grantee: Sharon
Project Title: Climate Resiliency Watershed Plan: Lake Massapoag 2025-2050
Award: $75,000
This project will develop a new Climate Resiliency Watershed Plan for Lake Massapoag 2025-2050. It is urgently needed, as health-threatening cyanobacteria blooms and repeated E. coli exceedances through 2021 to 2023 impacted all users, including two large summer camps and resulted in closure of the Community Center Beach. This plan will guide lake management strategies, such as best management practices (BMPs) and green infrastructure improvements to reduce excess nutrient runoff, septic seepage, in-lake phosphorus levels, and E. coli and cyanobacteria blooms, which impact our beaches and camps. NepRWA and TRC Companies (TRC) are partners in this effort and will co-write the Plan with Core Team review and input. NepRWA will use the Plan to serve as a model to replicate throughout its watershed and the diverse communities it serves.

Grantee: Southwick
Project Title: Kline Road/Shurtleff Brook Culvert Replacement Project
Award: $526,800
Southwick proposes to construct a replacement stream crossing at the existing Kline Road/Shurtleff Brook culvert. This project will implement the plans that were designed under the Town's FY22 grant from the Division of Ecological Restoration Culvert Replacement Municipal Assistance program, which funded site analysis, design, and permitting, and designed for full compliance with the Massachusetts Stream Crossing Standards and will allow the stream corridor to revert to its natural system of stream corridor function. Kline Road is a local street that is at risk of sudden closure due to the deterioration and structural material loss at the existing culvert, and this risk is expected to increase with the more frequent severe weather events that accompany climate change. The construction of this standards-compliant stream crossing utilizes a nature-based solution with the return of natural substrate to the stream corridor, allowing not only for wildlife passage on dry ground through the culvert but also reducing erosive water velocities.

Grantee: Stockbridge-Munsee Band of Mohicans (Stockbridge-Munsee Community) (& Town of Stockbridge)
Project Title: Fenn Farm- Monument Mountain Acquisition Project
Award: $2,257,990
The Fenn Farm- Monument Mountain Acquisition Project includes the purchase of the Swann property, for the purposes of habitat conservation and climate resilience. This project aims to establish tribally-driven-conservation and forest management of 351 acres of woodlands to the Stockbridge-Munsee Band of Mohicans (Stockbridge-Munsee Community) in partnership with the Stockbridge Land Trust and Berkshire Natural Resources Council, and support from the Town of Stockbridge. This project will preserve a variety of habitats including wildlife corridors, endangered species, wetlands, mountain, woodlands, open fields, and sites of cultural significance to the tribe.

Grantee: Water Supply District of Acton
Project Title: 549 Main Street Water Supply & Open Space Preservation Acquisition
Award: $1,501,610
This project seeks to diversify the community's water supply and increase resiliency and drought preparedness by acquiring and permanently protecting the 56.8-acre parcel of land located at 549 Main Street in Acton, MA. The acquisition of this parcel will enable two bedrock wells located on the premises to be used as additional sources of water supply, increasing resilience to drought, as these wells are much less susceptible to failure and other negative impacts attributable to drought conditions than the network of shallow sand and gravel wells that currently supply water to 95% of the community. Additionally, the project seeks to protect the natural resources this property offers, including a multi-aged forest, freshwater wetlands, an open meadow, and two potential vernal pools. These natural resources offer priority habitat for rare species and their preservation will provide flood mitigation, carbon sequestration, and cooling shade during extreme heat in a densely populated and developed part of the community.

Grantee: West Boylston
Project Title: Resilient Streams of the Wachusett Reservoir
Award: $105,000
The Town of West Boylston's proposed MVP Action Grant will complete a culvert inventory and assessment for habitat connectivity and structural needs, include stream walks to understand continuity, erosion, and opportunities for improvements, and a desktop-based approach to identifying flood mitigation and water quality improvements in the watershed for these priority segments. Education and outreach will be a core part of the project to build consensus and show individuals how to be part of the solution.

Grantee: West Newbury
Project Title: Evaluating Vulnerabilities and Options to Promote Resiliency: River Road and Environs
Award: $150,000
This project will analyze vulnerabilities and potential solutions to flood risk
from the Merrimack River at River Road and environs. It includes public engagement activities, meetings, and outreach to inform and engage citizens and town officials; an existing conditions survey of the areas susceptible to Merrimack River flooding; a study of existing culverts and options for shoreline stabilization and infrastructure flood adaptation.

Grantee: West Springfield
Project Title: Establishment of a Tree Nursery and Development of Tree Planting Program
Award: $59,000
West Springfield aims to develop, establish, and maintain long-term dedication to West Springfield's urban forest by establishing a sustainable tree nursery at Mittineague Park. This will create a source of locally grown trees to be planted across the town streets and within natural areas, particularly focusing on environmental justice and other priority population neighborhoods. A tree aftercare program will also be developed to assist in growing a healthy and vibrant urban forest.

Grantee: Westborough
Project Title: Aquifer Recharge for Water Resiliency
Award: $271,950
This project will focus on groundwater recharge in Westborough, with dual benefits for long-term resilience of the town's water supply and larger regional water quality and ecological benefits at the watershed scale. This project will identify opportunities to capture and infiltrate water near the headwaters to recharge aquifers that supply most of the town's drinking water and to replenish low flows in headwater streams, which are critical to water quality and ecological health of the watershed and downstream communities. The planning evaluation will include investigation of two primary areas: opportunities for green infrastructure/BMP retrofit projects to reduce stormwater runoff and promote both infiltration and treatment of stormwater, and opportunities to reroute and infiltrate the town's treated wastewater effluent, which currently discharges to surface waters and flows downstream rather than recharging local aquifers.

Grantee: Wilbraham
Project Title: Wilbraham Culvert Assessment
Award: $60,000
Wilbraham seeks to assess culverts throughout the town, while also promoting a robust education program focused on the importance of protecting water bodies to businesses and residential owners abutting ponds and streams. The goals of this project are to identify culvert systems that do not meet environmental stream standards, mitigate flooding, safeguard public health, expand pedestrian access to schools and recreation property, improve water quality and restore ecological systems within the ponds and streams. This project will include community involvement with groups such as neighboring communities EJ populations, Wilbraham priority populations, schools, and residents that abut the pond and the downstream watercourse, and will engage a range of community groups.

Grantee: Williamsburg
Project Title: Williamsburg Mill River Watershed Planning
Award: $682,085
This project takes an integrated, holistic approach to increasing flood resilience in the town of Williamsburg by completing a hydrologic and hydraulic study of the Mill River, mapping and assessing the town's stormwater infrastructure, assessing stream bank health and flood storage capacity along the mainstem Mill River-Route 9 corridor, and undertaking a 9-Element Watershed Based Plan. It will also assess upstream forest cover and health and identify land conservation and stewardship priorities while integrating the need for affordable housing sites and building Indigenous stewardship practices and reparative relationships with the original inhabitants of this region. This project includes substantial community engagement at both individual and community levels, and an educational partnership with our local elementary school. The result will be a set of alternatives, siting and design of BMP stormwater management interventions, a GIS-based database with public portal, recommendations for changes to town zoning bylaws, new conservation projects, and increased awareness of actions that we can take as individuals and as a community to mitigate risk and build resilience in a rapidly changing climate.

Grantee: Winthrop (& Revere and East Boston)

Project Title: Belle Isle Marsh as a Nature Based Solution to Coastal Flooding: Regional Collaboration and Morton Street Neighborhood Design and Permitting
Award: $291,076
This project will advance design and permitting of nature-based solutions to flooding at Morton Street, a low-lying flood pathway identified as a priority site through the previous phase of collaborative work (with East Boston/Revere) around Belle Isle Marsh and coastal flooding. Additionally, it will advance community engagement within the Morton Street neighborhood and expand community engagement efforts through previously established regional collaboration around Belle Isle Marsh.

Grantee: Woburn
Project Title: Hurld Park - Heat Resilient Park CDs
Award: $180,500
Hurld Park is being designed as an 11.3-acre climate resilient park for low-income residents in Woburn with 1) a lower-elevation, flood-resilient restored wetland, stream and floodplain; and 2) an upland heat-resilient park with COVID-safe shady community gathering spaces. With Congresswoman Clark's help, Woburn has secured funding through Community Project grants through the federal budget to complete the design and permitting of the flood-resilient portion of the park and begin construction. Current MVP funds are enabling us to complete 75% design and submit permits. This proposal seeks additional MVP funding to reach 90% construction drawings for the heat resilient portion of the site.

Grantee: Worcester
Project Title: Resilient Community Place-Making and Miyawaki Forests
Award: $409,461
Worcester seeks to build on the work of other MVP-funded projects be designing and planting 2 Miyawaki Forests in environmental justice neighborhoods with high heat vulnerability. The City plans to engage the community to see what they would like in terms of designing public gathering spaces. Worcester aims to promote climate resilience to extreme heat for the community's most vulnerable populations, while also advancing other sustainability, resilience, and community goals related to air quality, flooding, biodiversity, and community building and resilience.

FY23 MVP Action Grant Projects

Grantee: Andover (& Lawrence)
Project Title: Shawsheen River Nature-Based Flood Resilience
Award: $271,705
This project is focused on taking the next step towards developing a just and strategic program of land acquisition/conservation and adaptation projects along the Shawsheen to provide additional flood storage and reduce the impacts of larger storm events. The phase of the project will focus on quantifying the flood mitigation benefits gained from the potential implementation of flood storage and/or restoration projects on several of the top-prioritized parcels by hydrologic and hydraulic (H&H) modeling to evaluate the existing and projected future flooding conditions. This phase of the project will also invite members of the community to participate in a multiday visioning workshop and design charrette to co-create conceptual visions for up to five priority sites along the Shawsheen River.

Grantee: Ayer (& Devens)
Project Title: Ayer-Devens Main Streets Regional Pocket Forests Pilot Project
Award: $282,624
Through a robust public engagement process and active participation by Environmental Justice and climate vulnerable community members, pocket forest sites will be selected for design & build. A pilot pocket forest will be constructed as a vehicle for training community members to plant and monitor pocket forests and for testing methods.

Grantee: Belchertown
Project Title: Scarborough Brook Watershed Improvements
Award: $139,500
Belchertown will build on their FY22 Action Grant project, which is focused around Upper Scarborough Brook and the Scarborough Brook Conservation Area (SBCA) to restore a cold-water fishery resource and protect the Daigle aquifer and downgradient Lawrence Swamp aquifers. The Town will now complete detailed design and permitting to move the project forward to implement the culvert replacements and further refine dam removal modeling to promote flood resilience.

Grantee: Berlin
Project Title: Horseshoe Pond Acquisition Project
Award: $874,268
The Horseshoe Pond Acquisition Project includes the purchase of three properties, for the purposes of habitat conservation, climate resilience, and passive recreation purposes. The project aims to add an additional 100 acres of woodlands to Mt. Pisgah conservation area, which will preserve a variety of habitats including wetlands and upland forest.

Grantee: Beverly
Project Title: Bass River District Resilience Plan
Award: $200,000
The City of Beverly seeks to continue its efforts to promote flood resilience within the municipality, along the Bass River. This grant will focus on updating coastal flood modeling to provide design flood elevations (DFEs) for critical assets, gather stakeholder feedback through interviews, propose site-level resilience strategies based upon four prevalent land use typologies in the district, design concept plans for district-level flood interventions, and other project support activities. In collaboration with Salem Sound Coastwatch, and social resilience nonprofit partners, the project team will engage in public outreach to affected Environmental Justice populations that include Beverly residents, employees, and stakeholders in adjacent properties, and other vulnerable and burdened populations.

Grantee: Boxford
Project Title: Increasing Watershed Scale Resiliency in Boxford Through Culvert Upgrades in the Howlett Brook Watershed
Award: $265,900
The Town of Boxford, in partnership with the Ipswich River Watershed Association, is going to address 3 priority culverts within the Howlett Brook watershed in order to increase local climate resiliency. Tasks

associated with producing final designs and permits will be completed for 3 priority culverts (Georgetown Rd, Herrick Rd, and Pye Brook Lane).

Grantee: Brockton
Project Title: Trout Brook Flood Resilience
Award: $157,300
Flooding is an ongoing challenge in the neighborhoods surrounding Trout Brook, with several buildings located in the 100-year floodplain, and multiple roads overtopped during the 100-year storm event. The project seeks to further develop the concept and modeling produced as part of the City's FY19 MVP Action Grant to advance 30% design plans for a nature-based strategy to reduce flooding impacts to the neighborhoods along Trout Brook by creating additional floodplain storage and providing protections against overtopping of roads and infrastructure. The project will simultaneously provide walkable green space to connect existing City parks through an Environmental Justice neighborhood.

Grantee: Brookline
Project Title: Climate Crisis Action and Resilience Plan Update
Award: $75,000
The Climate Crisis Action and Resilience Plan Update will be a comprehensive actionable framework aligned with the Town's goal of achieving zero-emissions by 2040. The plan will identify Priority Action Areas and provide Implementation Blueprints to guide Brookline's actions to reduce emissions and improve resilience to climate hazards such as extreme precipitation, coastal flooding, and extreme heat. It will also detail the wider social, environmental, and economic benefits expected from implementing the plan, and improve the equitable distribution of these benefits to the town's population.

Grantee: Cambridge
Project Title: Cambridge Community Corps Climate Readiness Initiative
Award: $150,000
Under the proposed project, the Cambridge Community Corps will expand its scope to include climate change resilience and preparedness practices through the lens of public health. The project will further develop the Community Corp model, identify ways for the program to continue to be sustained long-term, and explore how such a model could be replicated and expanded in other jurisdictions in Massachusetts.

Grantee: Chatham (& Provincetown, Harwich, Mashpee, Falmouth)
Project Title: Regional Low Lying Road Assessment and Feasibility
Award: $205,479
This project will identify and assess the risk of coastal flooding on low lying roads due to climate change. Tasks will include assessing road vulnerability and criticality town-wide and from these results determine high-risk road segments for the community to consider. The goal of the project is to increase communities' coastal resilience, allowing for improved reliability of the road network and increased ability to bounce back after a storm event.

Grantee: Chatham (& Brewster, Harwich, Orleans)
Project Title: Pleasant Bay Climate Adaptation Action Plan

Award: $292,710
The Pleasant Bay Climate Adaptation Action Plan will (1) use the best available science and research tools to assess climate threats to barrier beach, salt marsh, eelgrass meadows, shoreline intertidal resources, public access points, and stormwater and wastewater management infrastructure in Pleasant Bay; (2) identify adaptation solutions that maximize use of nature-based approaches to enhance the resilience of those resources and assets and (3) engage stakeholders in the four surrounding communities, including climate vulnerable populations, in understanding climate threats and developing a Climate Adaptation Action Plan prioritizing resilience strategies and actions.

Grantee: Chelsea (& Revere, Winthrop)
Project Title: Envisioning Resilience in the North Suffolk Region through Community Preparedness
Award: $87,500
The North Suffolk Office of Resilience and Sustainability hopes to explore models of community-based resilience to better support the broader community during climate emergencies and beyond. Through research both within and beyond the North Suffolk communities of Chelsea, Revere, and Winthrop, this project will identify gaps in preparedness and communication and the needs and interests of local community-based organizations, and would ultimately result in the creation of a plan for building a community-based resilience network in the region.

Grantee: Chelsea
Project Title: Eastern Ave. Alternatives Analysis + Conceptual Design
Award: $ 333,492
The project will create a long-term resilience vision for an active, changing waterfront neighborhood abutting Chelsea Creek along Eastern Avenue. The project will perform an existing conditions assessment, complete a resilient visioning process with stakeholders, and develop design alternatives for three work zones. This will provide the basis for subsequent design phases for construction in each work zone.

Grantee: Chelsea (& Somerville, Everett, Malden, Revere, Winthrop)
Project Title: Equitable Coastal Resilience and Redevelopment in Lower Mystic
Award: $556,000
The lower Mystic River portion of Boston Harbor is in the beginning stages of transformational waterfront redevelopment. At the same time, sea level rise and stronger storms require substantial public and private investments into coastal flood management. We will be hosting a voluntary, professionally designed and mediated regional visioning process to bring together host municipalities, major landowners, community stakeholders, and philanthropists to develop a Memorandum of Agreement for waterfront redevelopment involving rigorous coastal resilience; connected, coordinated waterfront open space; equitable economic development; and other local and regional public benefits.

Grantee: Chester (& Blandford, Middlefield)
Project Title: Evaluating & Planning for Resilient Rural Dirt Roads
Award: $317,550

This regional project which includes the towns of Chester, Blandford and Middlefield will enable evaluation, planning, and prioritization around this critical part of our transportation network with a lens on climate resilience. Our focus will be on nature-based solutions when possible.

Grantee: Dedham (& Boston, Canton, Dedham, Foxborough, Medfield, Milton, Norwood, Stoughton, Walpole, Westwood)
Project Title: Neponset Watershed Regional Adaptation Strategy and Flood Model
Award: $389,457
This project will bring together the communities of the Neponset River Watershed to 1) prepare a strategic framework for regional collaboration on adaptation implementation priorities 2) develop a regional flooding model for the freshwater portion of the Neponset River Watershed and evaluate regional scale flood impact reduction options, 3) demonstrate the use of the model to conduct a more detailed analysis of local flood mitigation strategies for a targeted neighborhood in Dedham 4) provide communities with technical assistance on deploying the MAPC municipal adaptation toolkit and 5) conduct public outreach and engagement activities in support of the other project objectives.

Grantee: Dennis
Project Title: Pound Pond - Flood Mitigation and Storm Drainage Improvements Dennis, Massachusetts - Phase 2 Final Design
Award: $73,628
This project will provide final engineering to complete permitting, public outreach, and preparation of bidding documents for floodplain and stormwater improvements at Pound Pond. 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: Dracut
Project Title: Design and Permitting for Collinsville Dam Removal Project
Award: $174,000
The Town of Dracut is aiming to address current hazards and the future impacts of climate change with the Collinsville Dam Removal project. Removal of the Collinsville Dam will ultimately allow for the restoration of natural wetlands, restoration of fish passage and river habitats, restoration of natural water temperatures and improved water quality, reduction in potential for future flood damage, removal of a public safety concern, and improvement of natural sediment transport pathways. Design and permitting for this project is the next step towards the overall goal.

Grantee: Easthampton
Project Title: Emerald Place Resiliency
Total Grant Request: $117,800
Emerald Place sits at the top of slope above Lower Mill Pond, and drainage-driven erosion has caused a loss of vegetation and ongoing gullying which repeatedly undermine the slope; a holistic solution is needed to protect the road, drainage system, pond, and adjacent private properties. The project will assess slope conditions along Emerald Place. It will continue to engage the public and explore ideas suggested by residents for revamped traffic and pedestrian circulation on this street to create space for

green infrastructure and expanded tree cover, buffer the slope and pond from roadway/parking activity, and improve resilience and safety.

Grantee: Essex
Project Title: Apple Street Roadbed Elevation and Culvert Replacement Project
Award: $222,037
During coastal storm surge events, State Highway Route 133 typically floods along an area known as the Essex causeway, in downtown Essex. If the surge is large enough, the only other in-Town transportation route connecting both halves of the Town (Apple Street) also floods along a short stretch comprised of two, distinct low areas near Apple Street's junction with Southern Avenue. When Apple Street floods, the only path between the two halves of the town involves a long detour through other communities using Route 128 – preventing the timely passage of emergency and DPW vehicles, regional commuter, tourist, and commercial transportation, and local traffic. This project will advance the elevation of a portion of the roadbed of Apple Street, including the reconstruction of a stream crossing to Mass Stream Crossing Standards, through the final design and permitting phases. This will ensure a resilient transportation corridor between the two halves of the town into the future.

Grantee: Everett (& Chelsea)
Project Title: Island End River Flood Resilience Project
Award: $2,998,600
The City of Everett will continue its efforts to promote flood resilience, with the support of City of Chelsea, in the Island End River (IER) corridor. This joint application for a FY23 MVP Action Grant with a two-year duration will focus on continued federal, state, and local permitting activities, stakeholder coordination, continued legal, environmental compliance, and other project support activities, and initial work on preparing project construction documents. Continued collaboration with Mystic River Watershed Association, the Resilient Mystic Collaborative's Lower Mystic Working Group, and GreenRoots will inform this work and assist in public outreach to affected Environmental Justice populations that include Chelsea and Everett residents, employees in the wholesale produce, petroleum and other fuels, and materials processing industries, and other vulnerable and burdened populations.

Grantee: Everett (& Malden, Chelsea, Arlington)
Project Title: Beat the Heat: Wicked Cool Outdoors / Venza el Calor: Súper Fresco Afuera
Award: $339,915
Wicked Cool Mystic is a two-year effort to cool priority heat islands identified during a prior MVP action grant (Wicked Hot Mystic). This is a regional effort to engage vulnerable residents and workers and other community stakeholders to envision and design cost-effective, enticing pilot projects to help people stay cool and healthy during heat waves. The project will pilot smaller, near-term projects near public transit in Chelsea and Everett in Year 2.

Grantee: Fairhaven
Project Title: Climate Change Vulnerability Assessment
Award: $40,000
The Fairhaven Climate Change Vulnerability Assessment is a planning-level study intended to evaluate the coastal vulnerability and risk of municipal infrastructure and natural resources for exposure to sea

level rise and coastal storms. The goal of the project is to develop data on likely scenarios and degrees of potential impact in vulnerable areas, and to assist in the prioritization of assets for future adaptation planning and design.

Grantee: Fall River (& Westport)
Project Title: South Watuppa Pond Green Infrastructure Blue Water Restoration
Award: $379,875
The South Watuppa Pond watershed encompasses parts of the City of Fall River and the towns of Westport MA and Tiverton RI, all of whom recognize the need to improve the water quality of the Pond. A back-up water supply for the City and neighbor communities of Swansea, Somerset, and Dighton (MA), the Pond is impaired by nutrient pollution and Harmful Algal Blooms (HABs) that compromise its potential as a water supply. The increasing frequency of extreme heat, drought, and precipitation intensity due to climate change will exacerbate the current situation while, paradoxically, heightening the need for regional emergency water supplies. The project will design three nature-based retrofits to reduce nutrient pollution to South Watuppa Pond and will complete planning for a fourth wetland restoration retrofit.

Grantee Fall River
Project Title: Fall River CSO Treatment Study
Award: $1,163,000
The City of Fall River's Combined Sewer Overflows (CSO) Treatment Facility Study will address the impacts of the existing CSO treatment facilities on the community and provide a path to address remaining untreated CSOs, decrease impacts from climate-driven flooding, and improve receiving water quality. The outcomes will provide the ability to improve CSO operations to address impacts from extreme weather, increased severity of storm conditions, and sea level rise, thereby helping the City of Fall River successfully prepare for, respond to, and rebound from climate hazards.

Grantee: Fitchburg
Project Title: Generating Resiliency in Downtown Fitchburg with Nature-Based Solutions
Award: $109,000
Fitchburg is implementing a major sewer system separation (CSO) upgrade in the downtown area, which is scheduled for construction in FY23. Building on the momentum of previous MVP Action Grants for Falulah & Baker Brook, Fitchburg has an opportunity to identify and incorporate nature-based solution (NBS) opportunities for stormwater and urban heat into the streetscape during the CSO construction. This project will result in the identification and development of five NBS concept designs for the Downtown area.

Grantee: Framingham
Project Title: Walnut Street Neighborhood Flood Mitigation -Permits & Easements
Award: $155,000
The Walnut Street Neighborhood Flood Mitigation - permit & easements project includes obtaining permits and property agreements for restoring hydraulic conductivity and enhancing flood mitigation capacity. This will be done by removing an earthen berm and restoring the surrounding wetlands,

restoring stream channels and streambank in the wetlands complex between Walnut Street and Stony Brook Road. 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 and will incorporate public education elements.

Grantee: Great Barrington
Project Title: Lake Mansfield Recreation Area Improvements Phase 1
Award: $992,500
This project will improve the Lake Mansfield park and beach area to improve accessibility and stormwater management. The improvements will incorporate educational, bilingual, and accessible signage and features in order to welcome people of different cultural backgrounds and physical abilities. These improvements will reduce stormwater runoff in order to protect water quality, add vegetation to capture stormwater and provide shade and pollinator habitat, provide easy walking and bicycle access, and increase accessibility.

Grantee: Hatfield
Project Title: Climate-Smart Comprehensive Planning for Hatfield
Award: $283,900
The Town of Hatfield will engage across the community to develop a Climate Smart Comprehensive Plan that includes a future vision with the articulation of key adaption and resiliency actions.

Grantee: Hudson (& Framingham, Natick)
Project Title: SuAsCo Natural Climate Solutions Project
Award: $314,393
The project will identify, assess, and prioritize nature-based solutions at a variety of scales, including site-specific NbS, through a robust, community-driven public engagement process that centers Environmental Justice and climate vulnerable community members and Tribal members. A variety of multi-modal educational and public engagement materials and tools will be employed and will include translation into community-relevant languages.

Grantee: Hull
Project Title: Hull Climate Adaption Roadmap; Alternatives Analysis for the Hampton Circle Area
Award: $198,624
The Town of Hull is developing an adaptive strategy to manage residential use and access to the Hampton Circle Area that considers predicted climate change impacts through 2070. Part of this process is to include recent and develop new time-dependent alternatives that seek to reduce flooding impacts to the 70+ residential homes and reduce climate change threats to important Town assets located in the HCA.

Grantee: Lincoln
Project Title: Town of Lincoln Comprehensive Climate Action Plan (L-CAP) Proposal
Award: $100,000
This project will develop a comprehensive climate action plan for the Town of Lincoln, capturing lessons learned and building template resources for other smaller Massachusetts municipalities at the

suburban-to-rural edge of Greater Boston. The project aims to holistically address vulnerabilities to the human, built, and natural environments and build resilience to climate change impacts, with a focus on inclusive and equitable engagement and restorative approaches for vulnerable communities.

Grantee: Longmeadow
Project Title: Toward the New Normal: Envisioning an Inclusive & Resilient Longmeadow
Award: $235,555
The Town of Longmeadow will to develop an update to its 2004 Long Range Plan with a climate resilience/mitigation and equity lens. The purpose of the project is to assess and revise "business as usual" in Longmeadow to ensure a more resilient and equitable future for residents and neighbors, ecosystems, and infrastructural systems. In addition to traditional comprehensive planning engagement activities, this project will engagement with vulnerable and under-represented communities. The Plan will also catalyze its own implementation via a regulatory review to identify barriers to achieving the plan's identified goals and strategies, and review of internal municipal policies to promote climate resilience and social equity in all municipal work.

Grantee: Lowell
Project Title: Resilient Urban Forest Master Plan and Urban Heat Island Assessment
Award: $93,000
The proposed project will create an Urban Forest Master Plan (UFMP) and recommend Urban Heat Island (UHI) mitigation strategies.

Grantee: Malden
Project Title: Malden River Works for Waterfront Equity and Resilience
Award: $200,550
The Malden River Works project will turn two acres of land behind the Malden DPW into a climate resilient riverfront park. The park will help protect the DPW from extreme weather events and is located in an Environmental Justice neighborhood. This grant funding will go toward preparation of construction documents.

Grantee: Mashpee
Project Title: Increasing Resilience to Harmful Algal Blooms in Santuit Pond Stormwater Retrofit Implementation- Phase 1
Award: $469,037
The project involves a continuation of the FY22 MVP Action Grant project. During this project, a series of retrofits including infiltration practices and a bioswale will be constructed near the intersection of Timberlane Drive and Lantern Lane. Additional public visioning and design will be completed for stormwater retrofits and other water quality improvements at the Town Landing site to improve stormwater management and repurpose the site to promote fishing, walking, canoeing, and educational activities. The project is a partnership between the Town of Mashpee and the Mashpee Wampanoag Tribe and examines how traditional land and resource management techniques can intersect with the latest approaches in green infrastructure and nature-based solutions to address runoff water quality and improve the resilience of receiving waters, like Santuit Pond, to harmful algal blooms of cyanobacteria under future climate conditions.

Grantee: Mattapoisett (& Fairhaven, Marion, Rochester, Acushnet)
Project Title: Mattapoisett River Valley Water Supply Resilience Project
Award: $4,500,000
The project is the protection of 240+ acres spanning the towns of Mattapoisett, Acushnet, and Rochester and protecting the aquifer (and increasing its resilience to climate change) associated with the Mattapoisett River Valley which provides drinking water supply for the 3 towns plus Marion and Fairhaven. The 5 towns plus Buzzards Bay Coalition and the Mattapoisett River Valley Water Supply Protection Advisory Committee have formed a regional partnership to successfully accomplish the project.

Grantee: Medford
Project Title: Interconnected Resiliency Network & resilient communications
Award: $416,738
This project will focus its efforts on our partner and interdepartmental communications in a "virtual resilience hub," centralizing local services, programs, and information. This effort will set the foundation of the "resilient communications" core of a future Resilience Hub. As such, this project's goal is to formalize a network of community partners focused on climate resilience. The major objectives of this Interconnected Resiliency Network will be to continue building capacity for climate resilience by supporting our climate-vulnerable and Environmental Justice residents.

Grantee: Medford
Project Title: Andrews School Resilient Emergency Shelter
Award: $670,568
The City of Medford has been working on developing projects for energy resilient facilities to serve the community, potentially during grid-disrupting events brought on by climate hazards, such as extreme storms and heat. The MVP grant funding will help to implement an off-grid capable solar plus battery energy storage system at the Andrews Middle School, which is ready for construction. During emergency situations the school would be used as a warming or cooling shelter, a phone charging location, and a central distribution site.

Grantee: Middleborough
Project Title: Picone Farm Preservation for Climate Resiliency, Flood Storage, Water Quality & Food Security
Award: $1,364,325
The protection of the Picone Farm will create climate resiliency by creating flood storage, water quality and food security. The project will acquire 96 acres of the total 189 acre farm. The other 93 +/- acres will be acquired through other means.

Grantee: Monson
Project Title: Chicopee Brook Flood Resilience Improvements
Award: $295,000
The Town will complete a hydrologic and hydraulic modeling study of the Chicopee Brook corridor and potential improvement scenarios at several key locations adjacent to the downtown area and within the

downstream Environmental Justice community. Modeling of the Chicopee Brook corridor will enable the Town to identify optimal strategies for protecting against impacts of flooding through implementation of nature-based solutions ranging from right-sizing of culverts to increasing flood capacity through floodplain reconnection and green infrastructure.

Grantee: Montague
Project Title: Incorporating Climate Resiliency into the Montague Comprehensive Plan
Award: $80,000
The project will incorporate climate resiliency and robust public engagement into the Montague Comprehensive Plan. This will be accomplished by analyzing all available climate data and applying climate resiliency recommendations to each of the individual chapters covered in a Comprehensive Plan.

Grantee: Monterey
Project Title: Enhancing Flood Resiliency Through the Evaluation and Redesign of Critical Infrastructure Along the Konkapot River - Phase II Final Design & Permitting
Award: $124,071
Final design and permitting of the Route 23 culvert on the Konkapot River is essential to establishing resiliency in Monterey Town Center. This project will lower the risk and prevent the loss of life and property damage due to increased extreme storm events due to climate change. This will be accomplished by completion of culvert final design, securing federal, state and local approvals and establishing a robust public outreach and education program focused on nature-based solutions to help reduce and treat stormwater flows into the Konkapot River from the surrounding Lake Garfield Watershed.

Grantee: Natick (& Arlington, Belmont, Boston, Brookline, Cambridge, Dedham, Dover, Franklin, Medfield, Medway, Millis, Needham, Newton, Sherborn, Waltham, Watertown, Wellesley, Weston, Wrentham)
Project Title: Building Resilience Across the Charles River Watershed Phase III
Award: $333,070
The Charles River Climate Compact (CRCC) will work collaboratively to identify and advance multiple flood mitigation projects that employ nature-based solutions. The Charles River Flood Model, a regional computer model which predicts future flooding from extreme rain events, will be used to quantify the impacts of potential projects such as acres of flooding reduced and critical facilities impacted or protected. The CRCC will work with project partners Charles River Watershed Association and Communities Responding to Extreme Weather (C.R.E.W) to carry out an extensive outreach and engagement plan to include watershed residents, particularly climate vulnerable residents, in flood mitigation planning.

Grantee: New Bedford
Project Title: Kempton Street Corridor Green Infrastructure
Award: $161,800
The City of New Bedford will design and permit a green infrastructure project along Kempton Street (State Route 6) from the City's border with the Town of Dartmouth eastward to Rockdale Avenue. This

project includes an existing conditions survey, and design and permitting of the project with a robust public participation component.

Grantee: Northampton
Project Title: Climate Resilient Downtown Affordable Housing
Award: $921,300
Northampton will create climate resilient housing with a miniscule carbon footprint for our most climate vulnerable populations. This project will advance through design and permitting. The project will entail deep public engagement with diverse stakeholders and those with lived experience. Tasks include creating schematic plans and programs, design development, and construction drawings.

Grantee: Oak Bluffs
Project Title: Vulnerability Assessment and Permit Level Design of Coastal Resilience Improvements for Dukes County Ave Pump Station
Award: $69,529
The Dukes County Ave Pump Station is the Town's major wastewater pumping station. It is located within the 100-year flood plain as well as the Category 1 Hurricane Surge Inundation Zones. Failure of the critical component of the Town's wastewater infrastructure represents an extreme public health threat of environmental contamination risk affecting the most densely developed portions of the Town. The goal of this project is to develop a permit ready design strategy to improve coastal resilience for the vulnerable, critical pump station.

Grantee: Plympton
Project Title: Preserving Turkey Swamp: A Keystone Goal
Award: $502,500
Turkey Swamp is at the junction of Plympton's two watersheds and is at the center of one of the largest natural areas in southeastern MA and the state. By preserving almost 300 acres, Turkey Swamp will maintain critical ecosystem connections, reduce Plympton's vulnerability to floods, stormwater, and droughts, and help protect our wells and other water resources. The Swamp's long-established recreational benefits, including hunting and extensive walking trails, also will be maintained.

Grantee: Reading (& Somerville, Malden, Woburn, Arlington, Melrose, Winchester, Stoneham, Cambridge, Lexington, Medford, Watertown, Burlington, Everett)
Project Title: Maillet, Sommes, Morgan Constructed Stormwater Wetland
Award: $2,116,578
This project will commence construction of the stormwater wetland system at Maillet, Sommes, and Morgan which will help create additional offline stormwater storage (a regional priority for Mystic River watershed), reduce inland flooding within the local area as well as downstream communities, and improve water quality. The project will also improve stream bank stabilization and ecological stability while improving open space development and trail connectivity.

Grantee: Revere
Project Title: Diamond Creek Catchment Improvements Investigation and Assessment
Award: $235,509

This project will reduce inland and coastal flooding and urban heat island effects in the Diamond Creek catchment area, reduce stormwater discharge from the catchment area into the Rumney Marsh (ACEC), and restore conditions of the Oak Island Salt Marsh. The scope includes community engagement, existing drainage data inventory, field investigations, green infrastructure and nature-based solutions options evaluations, alternatives evaluation for possible tide gate and outfall replacement, and hydrologic and hydraulic modeling of the catchment.

Grantee: Revere (& Saugus, Malden, Everett, Lynn)
Project Title: Regional Saugus River Watershed Vulnerability and Adaptation Study
Award: $150,872
The City of Revere with the support of the Saugus River Watershed Council is coordinating a regional study of coastal vulnerability and adaptation recommendations for the Saugus/Pines River Watershed region. Five cities and towns have come together to initiate this study, including Revere, Everett, Malden, Saugus, and Lynn.

Grantee: Richmond (& West Stockbridge)
Project Title: Resilient Stormwater Action and Implementation Plan
Award: $265,408
This project will address climate change vulnerabilities, specifically the anticipated increase in the frequency of intense rainfall events. The project will help with final design and permitting for Sleepy Hollow Road and Baker Street culvert replacements. Simultaneously, the development of a Comprehensive Resilient Stormwater Action and Implementation Plan will identify a comprehensive suite of actionable projects to reduce the impact of increasingly extreme riverine and stormwater flooding events on roads, floodplains, and adjacent properties with green infrastructure, low-impact development, and nature-based solutions.

Grantee: Rowe (& Heath, Shelburne, Conway)
Project Title: Community Driven Forest Climate Adaptation: Implementing the Forest Climate Resilience Program in the Mohawk Trail Woodland Partnership
Award: $164,450
The Town of Rowe and The Mohawk Trail Woodland Partnership will build resilience in region's forests and strengthen local communities through the Forest Climate Resilience Program. The project will increase the use of climate-adaptive forestry practices and improve local forest-based economies within the region through the creation of a virtual forest center.

Grantee: Salem
Project Title: Collins Cove to Willows Resilience Study
Award: $234,565
This project will conduct a resilience study for the Collins Cove to Willows area of Salem. The study area includes Environmental Justice and climate vulnerable populations and currently experiences inland and coastal flooding that is projected to get worse due to climate change.

Grantee: Seekonk
Project Title: Attleboro Dye Works Dam Removal: Design & Permitting

Award: $191,000
This project will provide a safe, economical, resilient and ecologically-beneficial solution to the deteriorated dam located adjacent to the defunct Attleboro Dye Works (ADW) facility. The focus of the project is to complete the design and permitting phase in preparation for removal of the ADW Dam and associated structures as the Town continues to remediate the former ADW site and restore the riparian corridor along this stretch of the Ten Mile River.

Grantee: Sherborn
Project Title: Sherborn's Climate Activation and Resilience Plan- A Model for Climate Mobilization for the MetroWest Region
Award: $38,145
This project will use a range of interconnected school- and community-based outreach and engagement strategies and create a Climate Activation and Resilience Plan. The plan will identify 10-15 priority measures for mitigating emissions and reducing vulnerabilities to climate change. It will also examine interrelated sustainability issues concerning Sherborn's unique ecological resources, the current state of the community's tree canopy on private and public lands, and current landscape practices.

Grantee: Shrewsbury
Project Title: Regulatory Update for Sustainable Parking Requirements
Award: $90,000
The Town of Shrewsbury will pursue an innovative regulatory update of the parking requirements in the Shrewsbury Zoning Bylaw. The project will consist of an extensive review of the existing parking bylaw, research into innovative parking regulations that have been successful in other communities, recommendations for new parking requirements to reduce and replace parking spaces in commercial and residential developments with green infrastructure, as well as incentives for owners to redesign existing parking lots.

Grantee: Shrewsbury
Project Title: Climate Action and Resilience Plan
Award: $100,000
Shrewsbury will create a Climate Action and Resilience Plan. The plan will act as a roadmap for how Shrewsbury will take action in the next 5 years to make progress toward the Town's climate goals. The plan would be organized into five specific focus areas to address climate change: the built environment, energy, transportation, natural resources, and preparedness.

Grantee: South Hadley
Project Title: Queensville Dam and Buttery Brook Restoration
Award: $162,000
This project will continue the concept design development completed under the first (FY22) planning and assessment phase to pursue design and implementation projects along Buttery Brook. The preferred alternative from the FY22 study will be advanced through design and permitting, with the primary goals of 1) eliminating jurisdictional status and hazard threat associated with the Queensville Dam by reducing the impounded area below jurisdictional thresholds, 2) address water quality issues in

the existing impoundment, 3) create a wetland restoration area and improved conservation area for the benefit of local residents and stormwater management and flood resilience.

Grantee: Stoneham
Project Title: Stoneham High School Wetland Restoration
Award: $108,700
The MVP funds will support the 75% design and permitting of a wetland restoration at Stoneham High School the goals of improved open space and connectivity in the community; resilient forested wetland to support flood management, improve water quality and restore wildlife habitat; a nature-based outdoor classroom experience; and improved passive recreational opportunities for public health.

Grantee: Stoughton
Project Title: Stoughton Town-wide Drainage Model, Vulnerability Assessment, and Adaptation Strategies to Mitigate Future Flooding
Award: $218,175
This project will create a town-wide hydrologic and hydraulic drainage model, inclusive of major culverts and piped infrastructure. This detailed model will be used to assess infrastructural and community asset vulnerability to future extreme precipitation, prioritize and develop conceptualized climate adaptation strategies, and model the benefits of these potential strategies. Through a robust community engagement effort, the Town will prioritize input from Stoughton's Environmental Justice populations, co-identifying areas especially in need of drainage improvements.

Grantee: Stow
Project Title: Stow Acres North Acquisition and Climate Resilience Master Plan
Award: $1,135,000
The project will help preserve approximately two-thirds (~111 acres) of the Stow Acres North Course for conservation and recreation purposes. The project will also complete a Climate Resilience Master Plan to guide site restoration and development of conservation and recreation facilities on the 111 acres being acquired by the Town plus 30 additional acres of adjacent land. The Plan will provide the blueprint for enhanced resilience of the entire site including wetland restoration, enhancement of flood storage capacity, removal of golf elements, planting of trees/shrubs and riparian buffers, increasing landscape diversity and complexity, wildlife habitat enhancement, design of trails, and state of the art "green" public recreation amenities.

Grantee: Sutton
Project Title: Manchaug Village Water Resource Resiliency Action Plan
Award: $75,000
This project consists of a hydraulic/hydrologic study of Manchaug Village man-made and natural water systems. It will include extensive community input to develop an inventory of vulnerabilities and create an action plan for improvements.

Grantee: Templeton
Project Title: Old Royalston Road Culvert Replacement
Award: $503,225

The project entails the upgrade of twin culverts to Massachusetts River and Stream Crossing Standards. Stream banks on both ends of the culvert will be strengthened using living shoreline techniques. Replacing the culvert will help protect the roadway from flooding, protect access to critical water supply pump stations, and protect the water main that runs beneath the culvert.

Grantee: Uxbridge
Project Title: Home Brew Dam and Whitin Pond Dam Removal
Award: $185,450
This project will conduct field investigations, design, and permitting for removal of the Home Brew Dam. It will also initiate community conversations, visioning processes, and key data collection to explore the possibility of removing the Whitin Pond Dam, which is currently abandoned and unmaintained. Removing these two dams would ultimately have multiple benefits, including reducing the risk of upstream flooding or downstream impacts from a catastrophic failure, reducing specific risks to the downstream low-income housing complex and the Town's well infrastructure, and also simultaneously restoring natural floodplain and wetland or riparian habitats in the existing impoundments that will help to buffer large storm events and provide additional resilience.

Grantee: Waltham
Project Title: Designing a Resilient Chester Brook Corridor
Award: $143,900
The City of Waltham has documented persistent flooding issues and property damage following 5-year storm events along Lexington Street, Square Pond, and Oakley Lane (the Chester Brook corridor). Through prior studies, natural flood storage was demonstrated to be the most effective strategy at mitigating flooding in this area. The purpose of this project is to two-fold: (1) mitigate flooding of Chester Brook by restoring/enhancing the storage capacities of two wetlands and (2) remove barriers to fish passage at the control structures located at the downstream end of the wetlands. This project will develop a conceptual design that will be used be by a subsequent project for permitting and final design.

Grantee: Ware
Project Title: Muddy Brook Subwatershed Resiliency Master Plan
Award: $42,740
The Muddy Brook Subwatershed Resiliency Master Plan will identify current and future threats to the subwatershed, and assess and prioritize strategies for reducing localized flooding and the volume and velocity of storm flows, better protecting drinking water supplies, addressing failing infrastructure, and increasing the resiliency of the subwatershed to climate change.

Grantee: Whately
Project Title: Whately Energy Resilience and Education
Award: $304,778
This project is comprised of two main components 1) installation of energy resilient infrastructure and 2) empowerment through educational, environmentally-related programming provided by the Hitchcock Center. The overarching goals of this project are to increase energy resiliency, move towards municipal carbon neutrality, engage Whately's youth, and increase quality of life for Whately residents.

Grantee: Williamsburg
Project Title: Williamsburg Public Safety Complex
Award: $1,831,137
This project will use a new public safety complex to enhance community resilience through increasing energy efficiency and incorporating nature-based solutions into the building's site design. The project has three major goals, 1) to build a resilient safety complex that will provide a central headquarters for two essential Town services for the next 50 years, 2) greatly reduce greenhouse gases over the operational life of the safety complex, promoting decarbonization and reducing fossil fuel dependence, and 3) reduce Mill River peak flows and increase flood protection by capturing building runoff in rain gardens and restoring a small shrub/forest wetland on the building site.

Grantee: Woburn (& Arlington, Burlington, Cambridge, Everett, Lexington, Malden, Medford, Melrose, Reading, Somerville, Stoneham, Watertown, Winchester)
Project Title: Hurld Park - Heat Resilient Park
Award: $271,425
Hurld Park is being designed as a 11.3-acre climate resilient park for low-income residents in Woburn with 1) a lower-elevation, flood-resilient restored wetland, stream, and floodplain; and 2) an upland heat-resilient park with COVID-safe shady community gathering spaces. MVP funds will be used to complete design and permitting for the heat resilient portion of the site.

Grantee: Worcester
Project Title: Drainage and Green Infrastructure Master Plan
Award: $1,253,091
The Drainage and Green Infrastructure Master Plan work plan includes ensuring accuracy of the city's stormwater drainage system GIS data; conducting hydrological/hydraulic modeling of the system during intense rain events currently and projected to 2070; identifying six flood prone areas (using equity lens) and developing alternative analyses to address flooding considering grey and green infrastructure solutions; and engaging the public in meaningful ways throughout this 2-year project. The City will also work on a pilot green infrastructure project at Crompton Park.

Grantee: Wrentham (& Norfolk)
Project Title: Eagle Dam Removal Phase II
Award: $41,337
The Town of Wrentham, with support from Charles River Watershed Association (CRWA), conducted an initial feasibility study to investigate removing this derelict structure. The Town is seeking funding for the next phase of feasibility assessment and community outreach for the removal of Eagle Dam.

Grantee: Yarmouth
Project Title: Climate Change Vulnerability Assessment and Adaptation Plan
Award: $80,089
The Town of Yarmouth will conduct a Town-wide vulnerability assessment and adaption plan for all municipal/infrastructure and natural resources potentially vulnerable to sea level rise and storm surge. The project will inventory municipal assets and their critical elevations, assess vulnerability using MC-

FRM Water Surface Elevation data, and develop recommendations for adaptation of priority assets identified in a risk-based approach.

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: 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-swales 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, previous 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 Conservations, 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 the 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
This project will provide the Resilient Mystic Collaborative with high-resolution, watershed-wide, baseline data on ground-level air temperatures, humidity, wind, and particulate matter. These data will drive social resilience work in the region. The project includes recruiting, training, and supporting youth and adults from the local community in conducting this local STEM learning opportunity and data gathering initiative.

Grantee: Athol & North Quabbin Community Coalition
Project Title: Lord Pond Plaza Improvement Project
Award: $117,760
This project involves completing a feasibility study for critical improvements to the Lord Pond Plaza parking lot area to install green infrastructure and nature based solutions such as stream daylighting, shade trees for cooling, green space for stormwater/flooding mitigation and open space improvements for social benefits.

Grantee: Auburn
Project Title: Leesville Pond Water Quality Protection and Community-Wide Resiliency Improvements
Award: $209,895
This project consists of two initiatives. The first initiative would focus on water quality improvements to Leesville Pond through public education and outreach efforts to the surrounding neighborhoods in both Auburn and Worcester. The second initiative looks to build upon outcomes of the Town's FY20 MVP project by furthering design of the Sword Street crossing over Kettle Brook with a focus on green bridge design and ecological restoration.

Grantee: Belchertown
Project Title: Enhancing Water Supply Reliability: Resilient Water Storage and Water Conservation – Design & Implementation
Award: $698,356
In a continuation of a previous MVP Action Grant, the Town of Belchertown and the Belchertown Water District will replace the Park Street water storage tank with a new tank that would increase storage capacity and resiliency to drought. The tank replacement project includes improvements to the municipal parking lot adjacent to the tank, which will incorporate green stormwater practices that will enhance water quality and provide significant opportunities for public education and outreach at this highly visible site in the Town center. The Town and the Water District will also pursue detailed design and permitting for a rainwater harvesting system at Belchertown High School to irrigate the athletic fields, which would reduce public water use during periods of peak demand.

Grantee: Blandford
Project Title: Resilient Community-Driven Master Plan and Resilient Regulatory Work
Award: $102,824
The Town will develop a climate resilient focused Master Plan for the community, including an update to the Open Space and Recreation Plan. The planning process and resulting document will assure integration of nature-based solutions and climate resilience with the Town's land protection and recreational development work. The project also includes researching and drafting improvements to Blandford's stormwater management regulations and other code as appropriate to integrate nature-based solutions and green infrastructure.

Grantee: Bolton, Harvard, & Devens
Project Title: Apple Country Ecological Climate Resiliency and Carbon Planning Assessment
Award: $250,000

This project would complete an ecological climate assessment for three communities along the outer-495 corridor – all three have significant natural land resources that continue to experience development pressures. Comprehensive ecological planning would focus on Nature-based Solutions for climate resilience, including a soil health assessment (putting the State Healthy Soils Action Plan to work on a downscaled regional approach), literature research regarding wetlands analysis, and recommendations for policy updates and best management practices.

Grantee: Boston
Project Title: City of Boston Heat Resilience Planning Study
Award: $280,070
The result of this planning process will be a roadmap for strategically reducing hot spots and heat related vulnerabilities in Boston. The project will include four core tasks: (1) a review of existing plans, policies, and procedures as they pertain to heat, (2) an assessment of urban heat island dynamics and heat risk utilizing existing data sets, (3) a robust and community driven engagement process, and (4) the development of heat resilience strategies in specific timelines and locations throughout Boston.

Grantee: Braintree
Project Title: Monatiquot River Restoration – Construction
Award: $750,000
The project is construction of the Monatiquot River Restoration Project which includes removal of the "High Hazard" Armstrong Dam and Ames Pond Dam, restoration of the Monatiquot River channel in the area of the former mill pond, construction of a bypass fishway for river herring and American eel passage, and construction of a public access trail with interpretive signage along the restored river channel through the site.

Grantee: Cambridge & Metropolitan Mayors Coalition
Project Title: Building Resilience to Climate Driven Heat in Metro Boston
Award: $268,820
The project aims to bring together municipal staff from the Metro Mayors Coalition Climate Preparedness Taskforce to collaborate regionally on heat response and preparedness efforts in the urban core. The goals of the project include establishing a heat preparedness group as a Subcommittee of the Climate Preparedness Taskforce to coordinate regional planning and implementation; developing a science-based, regional heat preparedness and adaptation plan that incorporates best available climate projections, heat, social vulnerability, and public health data.

Grantee: Chelsea
Project Title: Urban Heat Island Mitigation Project
Award: $262,996
The City of Chelsea will advance a citywide urban heat island mitigation initiative. This project will complement ongoing regional efforts by analyzing ambient air and land surface temperatures; performing a social vulnerability assessment; prioritizing corridors for public and private heat mitigation interventions; and devising and carrying out five pilot heat mitigation projects on public properties.

Grantee: East Longmeadow
Project Title: Comprehensive Master Plan
Award: $84,833
The Town will complete a Master Plan, with all work being filtered through a climate resilience lens, giving an opportunity for community consensus to safely, sustainably, and properly advance East Longmeadow into the mid twenty-first century. With large-scale development opportunities on the horizon such as a proposed multi-use development, having an up-to-date Master Plan will be essential in addressing the Town's land uses, infrastructure, transportation, and natural and cultural resources, all in particular regard to climate resiliency. Goals include integrating nature-based solutions and the most up-to-date climate data into the municipal regulatory framework.

Grantee: Easthampton
Project Title: Green Infrastructure Planning and Resiliency Design for Cherry Street
Award: $175,957
The City of Easthampton will develop a City-Wide Green Infrastructure Master Plan to address stormwater-driven flooding hazards, with a special focus on the Cherry Street neighborhood, which is an ongoing flooding and erosion concern to DPW staff. The city-wide planning process will include a green infrastructure assessment throughout the City, to culminate in 20 concept-level designs that will be identified for future design, permitting, and implementation, as well as a set of standard details for common green infrastructure practices that are low maintenance and could be implemented by the DPW in a variety of locations.

Grantee: Fall River, Dighton, Somerset, & Swansea
Project Title: Regional Emergency Water System Interconnectivity Analysis
Award: $100,650
To create a significantly more robust and resilient intermunicipal water supply system, and to respond to citizen concerns expressed in its 2019 MVP Report, the City of Fall River seeks funding to evaluate the ability of the combined water supplies to provide redundancy during periods of critical need.

Grantee: Fitchburg
Project Title: John Fitch Highway – A Resilient Road Corridor
Award: $271,787
John Fitch Highway was constructed over Bakers Brook and its associated wetlands in the 1960s and, over the past decade, several studies have evaluated drainage issues along this busy commercial corridor. Situated within one of the City's Environmental Justice Census Blocks, this project aims to utilize the City's Complete Streets Policy, with a focus on Community Context Design and equitable engagement, to address flooding, heat islands, and an outdated car-oriented roadway design. Grant funds will be used to assess the many proposed flood control suggestions and create a design analysis focusing on the John Fitch Highway median and roadway drainage areas and addressing runoff from private development parcels.

Grantee: Granby
Project Title: Resilient Regulatory Work and Refocusing on Climate Resilience Pathway in Master Plan
Award: $34,272
The Town will update its zoning and stormwater management and erosion control bylaw, and subdivision regulations to promote a low impact development approach and include new design standards for stormwater management.

Grantee: Great Barrington
Project Title: Climate Action, Resilience, and Equity Great Barrington (CARE GB)
Award: $70,400
This project aims to bring the needs of underrepresented and historically marginalized communities into the center of the Town's climate change adaptation and planning strategy. A local group will train key Town staff and stakeholders on climate justice, equity and inclusion and perform community outreach to Climate Vulnerable Populations. As a part of the project, key takeaways will be reported back to the Town and shared with other MVP communities.

Grantee: Haverhill
Project Title: Little River Dam Removal Feasibility Study
Award: $129,693
Haverhill will conduct a feasibility study for the removal of the Little River Dam, located just north of Winter Street on the Little River. The dam is believed to contribute to upstream flooding in one of the city's Environmental Justice communities.

Grantee: Holyoke
Project Title: Urban Forest Equity Plan
Award: $135,032
This project consists of interrelated projects aimed at fundamentally reshaping Holyoke's relationship with its trees and people. The Urban Forest Equity Plan will provide detailed background, establish a planning agenda, and set goals for canopy expansion over time. The concurrent Regulatory Review will examine policies and ordinances related to tree-friendly practices and make recommendations for changes. The Street Tree Inventory will document all public trees within the project locus, forming the foundation for continued monitoring and maintenance, and provide preliminary data for a "Historic Trees of Holyoke" interpretive map.

Grantee: Lakeville, Middleborough, Freetown, Rochester, Taunton, & New Bedford
Project Title: Assawompset Pond Complex Watershed Management and Climate Action Plan
Award: $93,236
Regional climate resilience will be bolstered through the development of a comprehensive management plan that contains actionable strategies for coping with floodwater issues throughout the Assawompset Pond Complex while also equally addressing water supply and drought potential, water quality, preservation of critical habitat, and compatible recreational access, and will improve social resilience through the commitment of a network of regional stakeholders operating from coordinated best management practices.

Grantee: Lawrence
Project Title: Flood Study and DPW Yard Adaptation Plan
Award: $213,418
The project is to complete a flood study and develop an adaptation plan for the City's only Department of Public Works Yard, located within the 100-year floodplain of the Spicket River. The DPW Yard is critical for public works operations and emergency management throughout the City. It is also an active waste disposal site. This project will develop a high-resolution flood model of the Spicket and Merrimack Rivers in Lawrence that will support an in-depth understanding of the flooding issues and develop an adaptation plan that will provide recommended measures that will reduce the frequency, extent, duration, and/or impact of flooding.

Grantee: Leominster
Project Title: Monoosnoc Brook Bank Stabilization Project
Award: $200,661
The project involves the initial phases of work necessary to design and implement a solution to stabilize a section of bank along Monoosnoc Brook in the city's downtown. By further defining the Brook as an environmentally forward and resiliency focused downtown community anchor, this project can begin to catalyze larger revitalization efforts and help set a new tone in Downtown Leominster.

Grantee: Lexington & Resilient Mystic Collaborative
Project Title: Upper Mystic River Watershed Regional Stormwater Wetlands
Award: $670,000
Furthering a FY20 MVP action grant, the overall goal of this initiative is to develop a multi-community master plan of stormwater wetland projects that help manage regional flooding while providing co-benefits to host communities. Under this grant, the Resilient Mystic Collaborative will select projects to work with willing landowners and community stakeholders to move to forward with design on several of the projects.

Grantee: Littleton
Project Title: Watershed Protection for Climate Resiliency- Brown's Woods Acquisition
Award: $763,050
The Town of Littleton will acquire over 22 acres of land to provide a nature-based solution to potential climate change related impacts in the town and in particular in the Long Lake watershed. The property includes a gradient of habitats that can be resilient to climate change impacts, is uniquely situated in the headwaters of the watershed to Long Lake, and is a key link in the planned bike trail that would connect the train station to neighborhood and commercial areas.

Grantee: Lowell
Project Title: Claypit Brook Climate Resilience Stormwater Management Capital Improvement Plan
Award: $138,000
This project will increase the resilience of the city's infrastructural, environmental, and societal features through proactive stormwater management and equitable public engagement. The project's main components include hydraulic modeling, assessing the drainage system, completing a preliminary design of the highly vulnerable Stockbridge Avenue culvert for replacement, conducting an Urban Heat Island assessment, and looking for opportunities to design nature-based, Low Impact Development stormwater controls throughout the watershed. This will culminate in a package of materials for a Claypit Brook Climate Resilience Stormwater Management Capital Improvement Plan.

Grantee: Lynn
Project Title: Strawberry Brook Green Infrastructure Implementation
Award: $199,090
In FY20 the City was awarded an MVP Action Grant to look for opportunities to implement nature-based solutions within the Strawberry Brook watershed to specifically reduce stormwater flooding and urban heat island effect. The final Resilient Stormwater Management and Implementation Plan identified ten conceptual green infrastructure opportunities that were prioritized based on cost, impact, and feasibility. This grant will develop a green street concept design for Boston Street and will start constructing some of the elements. It will also include a stormwater detention concept design and park improvement vision plan for Barry Park and the General Electric Athletic Association Field.

Grantee: Malden
Project Title: Malden River Works
Award: $150,015
The project goal is to transform the City's Department of Public Works yard on the Malden River for better climate change preparedness (as a key second responder for the city), and to create a vibrant, resilient public riverfront park. Led by a new coalition of community leaders of color, youth, environmental advocates, and government stakeholders as the newly formed Malden River Works Steering Committee, this project has already put in place a community-led design process that will continue into the upcoming phase of design and engineering development.

Grantee: Medford
Project Title: Conceptualization and Community Building for Equitable, Community-Driven Resilience Hubs in Medford
Award: $202,485
This project will further advance the establishment of a community Resilience Hub by first working to foster a foundation of trust between community members and City Hall through intentional relationship building and by a strong commitment from the City of Medford to equity and to actively practice anti-racism. Additionally, the project will further engage community-based organizations in planning Resilience Hub site co-location or acquisition, management, and operations.

Grantee: Milford
Project Title: Green Stormwater Infrastructure in Milford Town Park
Award: $419,123
The Town of Milford and Charles River Watershed Association will work together to design and construct green stormwater infrastructure within Milford Town Park. This project will install two rain gardens and 1 one infiltration system. These nature-based solutions will help provide ecological resilience for the town. The project team will engage with the schools that sit adjacent to the site and the surrounding Environmental Justice community.

Grantee: Millbury
Project Title: Armory Village Green Infrastructure Project - Phase II
Award: $125,600
This project is the second chapter of a multi-year, multi-phase project aimed at addressing the stormwater capacity and heat island impacts of climate change, as well as minimizing inputs of non-point source pollutants throughout Millbury's center that would otherwise enter the Blackstone River. A previous phase was funded by an MVP Action Grant. This phase focuses on surveying, designing, and permitting green infrastructure solutions for several parking lots and a stretch of Elm Street.

Grantee: Natick & Charles River Watershed
Project Title: Building Resilience Across the Charles River Watershed
Award: $264,171
The Town of Natick, working with 14 additional communities that are part of the Charles River Climate Compact, will conduct a regional project to develop a Charles River watershed model. This initiative will produce both much needed technical information about where and when precipitation driven flood-risk in the watershed is expected to be exacerbated by climate change, and bring consistency across the watershed communities in regards to how they are planning and governing for expected climate impacts, thus promoting a more comprehensive and synergistic approach.

Grantee: Newburyport
Project Title: Resilient Critical Infrastructure: Adapting a Wastewater Treatment Facility, Underground Electric Lines, and Public Rail Trail to Future Sea Level Rise and Storm Surge
Award: $1,000,000
This project is the construction phase of rebuilding a higher sloped stone revetment and installing an elevated berm with a public trail on top, which will be a critical step towards making the Newburyport Wastewater Treatment Plant resilient to storm surge and future sea level rise, along with protecting the underground electric transmission lines (23kV) serving the city and the region.

Grantee: Plympton
Project Title: Building a Municipal Resilience Portfolio: Assessment of Critical Land in the Winnetuxet River Corridor
Award: $41,929
The project's focus is to identify, assess, and protect natural systems and open space in the Winnetuxet River corridor. The first phase of the project is an assessment of the resiliency capacity of target properties, with the goal of preserving the resiliency built into the natural green infrastructure of these properties. The second phase will use the results of the assessment to prioritize specific properties to be permanently conserved.

Grantee: Provincetown
Project Title: Permit Level Design of the Ryder Street Outfall Relocation and Drainage Improvements
Award: $70,465
This project will develop permit level design, including permitting of the relocation of a 36-inch drainage outfall on Ryder Street and the addition of stormwater improvements.

Grantee: Revere
Project Title: Coastal Resilience Feasibility Study for the Point of Pines and Riverside Area
Award: $210,689
This project will conduct a coastal resilience feasibility study to identify solutions to avoid or minimize damages associated with coastal storms and sea level rise for the Point of Pines and Riverside Area that is comprised of the following main elements: stakeholder outreach and engagement, assessment of current and future conditions, identification of short-term resilience measures, development of a coastal resilience toolkit, assessment of feasibility of coastal resilience options, and preparation of a coastal resilience feasibility report that summarizes the findings from the study and includes an implementation plan.

Grantee: Salisbury
Project Title: Resilient Rings Island: Preventing a Neighborhood from Being Stranded by Flooding
Award: $250,000
The Town of Salisbury will build upon the FY19 MVP Action Grant that provided funds for the initial assessment and development of concept designs to resolve chronic coastal flooding of the roads leading to Rings Island. This stage of the project involves final design of culvert replacements and raising of access/egress roads.

Grantee: South Hadley
Project Title: Climate Resilient South Hadley
Award: $105,000
The project includes developing components of a climate resilient transportation asset management plan; implementing a tree planting campaign to expand tree cover within the community; and completing a regulatory review and update of the Town's Stormwater Management Bylaw to ensure the best available climate change data is utilized in design of permitted systems and to ensure nature based solutions/green infrastructure systems are adequately supported through the local regulatory review process.

Grantee: Springfield
Project Title: People-focused Resilient Redesign and Retrofits for Community/Civic Infrastructure and Critical Facilities
Award: $210,422
The project will consist of two components. The first is to resiliently redesign Springfield's civic/communications infrastructure by creating and staffing a Frontline Community Resident Advisor Council to work with City department heads and senior staff to oversee this work; engaging an experienced communications specialist with experience in racial equity and outreach with marginalized populations to review current outreach and communications strategies; launching a series of capacity building workshops including participation in an Undoing/Healing Racism workshop; and advancing implementation of a Racial Equity Impact Assessment with the intent of ensuring increased equity in governmental decision making. The second component will include advancing design for a microgrid project.

Grantee: Stow & Hudson
Project Title: Assessing the Health of Lake Boon – A Key to Climate Resiliency in Stow & Hudson, MA – and Beyond
Award: $154,000
With the help of residents as trained "citizen scientists," the goal of this project is to collect data on nutrients, water flows, aquatic biology and other aspects of the lake's dynamics. The data will then be analyzed using hydrologic and water quality models, which will integrate current and projected impacts of climate change. Based on this analysis, the project team will create a set of recommendations for consideration by the residents and civic leaders in Stow and Hudson, with a special focus on nature-based solutions.

Grantee: Williamstown & Mohawk Trail Woodlands Partnership
Project Title: Mohawk Trail Woodland Partnership Forest Stewardship, Resilience, and Climate Adaptation
Award: $164,575
The project will take emergent ideas such as New England Forestry Foundation's exemplary forestry standards, Northern Institute of Applied Climate Science's adaptation recommendations and extensive background work, the Massachusetts Department of Conservation and Recreation's Working Forest Initiative climate forestry work, and The Nature Conservancy and American Forest Foundation's Family Forest Carbon Program work and pull these ideas together, fill in the gaps, and make a simple program for private landowners, town forest owners, consultant foresters and harvesters to implement. This project will bridge the divide between climate mitigation and adaptation to achieve multiple goals.

Grantee: Windsor
Project Title: River Road Site 1 Culvert
Award: $460,000
The Town of Windsor is in the process of upgrading a stretch of River Road that passes through the Windsor State Forest parallel to a branch of the Wild and Scenic Westfield River. The road itself is a major connector between Route 9 and Route 116. Overall, the project includes repaving the entire road, improving drainage, and replacing three old, undersized and failing culverts. This grant will enable the Town to complete construction of one of the culverts.

FY20 MVP Action Grant Projects

Grantee: Acton
Project Title: 53 River Street Dam Removal
Award: $112,500
The Town of Acton seeks to produce designs, apply for permits, and perform building demolition to prepare for the removal of a historical but unsafe dam at 53 River Street. Completion of this project will allow for dam removal, and eventually, the creation of a riverside park that will highlight the historical nature of the property.

Grantee: Adams & Mohawk Trail Woodlands Partnership
Project Title: Mohawk Trail Woodland Partnership Regional Adaptation & Resilience Project
Award: $1,489,956
This comprehensive project addresses the multitude of climate challenges faced by the communities within the Mohawk Trails Woodland Partnership. This will include a regional feasibility study that will explore forestry management practices that incorporate carbon sequestration. Additional sub-regional projects include a stormwater infrastructure asset inventory and prioritization, exploring regulatory options for river corridor protection, and design and implementation of nature-based solution projects in various municipalities. Municipal-scale projects include dam repairs, stormwater infrastructure upgrades, and several culvert repairs.

Grantee: Amesbury
Project Title: Open Space and Recreation Plan Update
Award: $37,500
The City of Amesbury will prepare a 2020-2027 Open Space and Recreation Plan (OSRP). This will include updating the information from the draft 2012-2019 OSRP and integrating climate resiliency into the OSRP process with a focus on nature-based solutions and education and community outreach.

Grantee: Amherst
Project Title: Climate Action, Adaptation and Resilience Plan
Award: $ 100,000
The Town of Amherst will develop a Climate Action, Adaptation and Resiliency Plan to further its decarbonization goals and will conduct an intensive equitable community engagement process to prevent decarbonization from disproportionately affecting underrepresented members of the Amherst Community.

Grantee: Auburn
Project Title: Develop Protection Measures for Vulnerable Drinking Water Supply Areas and Evaluate Green Bridge Design
Award: $ 145,452
The Town of Auburn and the Auburn Water District seek to further protect the Town's public water supply from contaminants. This project will assess threats to drinking water supply areas, establish best practices to address prioritized threats, and evaluate nature-based solutions and retrofits to stormwater infrastructure, including green bridge design concepts for the replacement of an existing culverted stream crossing.

Grantee: Beverly & Salem
Project Title: Climate Action and Resilience Plan
Award: $ 100,000
Beverly and Salem will develop a joint Climate Action and Resiliency Plan that will inventory greenhouse gas emissions for both municipal and community sources, identify and prioritize mitigation and adaptation actions, complete a Community Climate Action Toolkit to facilitate community actions and engagement, and develop a monitoring and evaluation system for annual reporting that prioritizes community engagement.

Grantee: Boxford, Topsfield, & Ipswich
Project Title: Increasing Regional Flood Resiliency through Re-Designing Culverts in the Howlett Brook Watershed
Award: $ 45,866
A comprehensive regional culvert design project in the Howlett Brook Sub-basin of the Ipswich River Watershed, the project will provide 30% design plans for priority sites based on the Massachusetts Stream Crossing Standards and future modeled climatic conditions. The project will position the Towns towards implementation and increase flood resiliency, reduce community risk, and restore natural habitats.

Grantee: Brookline
Project Title: Urban Forest Climate Resiliency Master Plan
Award: $112,500
The Town of Brookline seeks to develop a research- and data-based, actionable Urban Forest Climate Resiliency Master Plan (UFCRMP). In addition to identifying opportunities for tree planting, the plan will also include recommendations on operations, budget allocation, best management practices, and emergency response procedures. Recommendations will consider specific climate impacts on Brookline's tree canopy.

Grantee: Canton
Project Title: Climate Change Vulnerability and Resiliency Assessment Study
Award: $ 337,500
The Town will develop a hydrologic/hydraulic drainage model that will illustrate the extent of flooding issues and their relation to community assets and vulnerable populations, as well as assess opportunities for effective nature-based flood mitigation strategies. The model will provide the Town with a foundational tool for climate change planning, engineering design, and public education and outreach.

Grantee: Chelmsford
Project Title: Dunshire Drive Culvert Replacement & Deep Brook Stream Restoration: Phase I
Award: $ 83,545
The project will redesign undersized drainage infrastructure as well as develop an ecological and stream bank restoration plan. These improvements will increase the resiliency of the neighborhood and its roadways, reduce current and future localized flooding, and enhance the resiliency of 13+ acres of residential land within the Merrimack River floodplain.

Grantee: Chelsea & Everett
Project Title: Island End River Flood Resilience Project
Award: $ 454,555
Chelsea and Everett seek to develop a final design plan consisting of a coastal barrier, salt marsh restoration and expansion of public waterfront space for permitting and land acquisition along Island End River. This final design phase will continue outreach to the environmental justice communities, key stakeholders and the broader community.

Grantee: Deerfield
Project Title: Flood Resiliency Through Green Infrastructure in Deerfield
Award: $ 572,250
Using design plans funded by a 2019 MVP Action Grant, the Town will replace the failing Kelleher Drive culvert, and will install green infrastructure in both the town center and at the Deerfield Elementary School. The project will also revise current Deerfield zoning and other bylaws to promote climate resiliency as well as low impact development. The Town will actively engage youth from Deerfield and surrounding communities by involving students at Frontier Regional High School in designing water conservation measures for the Frontier Regional High School campus.

Grantee: Easton
Project Title: Wetland Restoration- Removal of Abandoned Structures
Award: $ 177,620
The project will restore a degraded stream channel, remove derelict farm structures, restore a former wetland, and create an "invasive free" buffer zone around the restored stream and wetland area, all within a Flood Zone A. The approximately 9. 7 acre work area is located on town-owned conservation land known as Sam Wright Farm within the Canoe River Area of Critical Environmental Concern.

Grantee: Erving
Project Title: Wheelock Culvert Repair/Replacement and Data Redundancy
Award: $64,000
With this project, the Town of Erving will address two priority vulnerabilities: culvert repair and replacement, and document redundancy. The Town will prepare designs and permits for repairing and replacing critical culverts in poor condition and will assess and implement the moving of their local server with critical municipal records to a cloud-based system. This will include digitizing hard copies of critical documents that are vulnerable to any hazards that may impact Town Hall.

Grantee: Fall River
Project Title: Water Supply Risk & Resilience Assessment (RRA) and Distribution System
Award: $ 115,725
The City first will update and recalibrate its existing water distribution system computer model to obtain an accurate representation of current water demand, pipe conditions, and tank level fluctuation data that reflect climate change factors. Upon completion, the calibrated model will be used to develop a comprehensive Resilience Assessment by evaluating system performance and identifying potential risks to, and resilience of, the piping network and distribution storage.

Grantee: Framingham
Project Title: Walnut Street Neighborhood Flood Mitigation & City Stormwater Utility Feasibility Studies
Award: $ 206,850
This project will conduct a flood mitigation study for the Walnut Street neighborhood. The challenges of mitigating storm impacts in this neighborhood exemplify the need for a City-wide, long-term, sustainable stormwater program, so this project will also assess the potential development of a stormwater utility that would provide sustainable funding for the City's stormwater infrastructure.

Grantee: Gosnold
Project Title: Cuttyhunk Land Conservation Project
Award: $ 1,400,000
The specific objectives of this project are 1) the purchase+ of land (67 acres) by the Town of Gosnold and its partner, Buzzards Bay Coalition, 2) the simultaneous purchase of permanent conservation restrictions on these lands (to both provide permanent protection and facilitate acquisition), and 3) the recording of a permanent conservation restriction on the adjacent 235-acre parcel to be donated by Ridgely Farm Limited Partnership.

Grantee: Harvard
Project Title: Community Climate Action & Land Stewardship Plan
Award: $ 70,860
Harvard will develop a community climate action and land stewardship plan framework, with an in-depth assessment of their agricultural community, and high level discussion for buildings, transportation, waste, natural resources, land use, and resilience.

Grantee: Holyoke
Project Title: Impervious Surface Mapping for Resiliency Planning and Implementation
Award: $ 93,850
The City of Holyoke aims to develop an actionable, scalable and data-driven impervious surface reduction plan. This project will involve two phases of work: 1) a technical analysis using advanced impervious mapping techniques and 2) the development of impervious surface reduction targets city-wide, based on the phase 1 analysis.

Grantee: Hull
Project Title: Assessment of Shoreline Resiliency Alternatives for Marginal Road
Award: $ 25,373
The Town of Hull seeks to develop alternatives for providing long-term shore protection on Marginal Road, a coastal road with chronic flooding. This analysis will assess the Town's options for increasing resiliency to the shoreline, roadway, and critical infrastructure in this area.

Grantee: Ipswich
Project Title: Ipswich River Sewer Interceptor and Siphon Risk Mitigation and Resiliency Improvements
Award: $ 18,945
This will produce final construction documents for the redesign and retrofit of vulnerable wastewater infrastructure in and along the Ipswich River. The rehabilitation, replacement, and protection of sewers in the project area will improve the resiliency and reliability of the infrastructure and safeguard the existing environment.

Grantee: Lynn
Project Title: Strawberry Brook Resilient Stormwater Management and Implementation Plan
Award: $ 112,500
The City of Lynn is seeking to support a Strawberry Brook Resilient Stormwater Management and Implementation Plan to conduct a watershed assessment and develop a comprehensive plan of actions to restore the drainage in Strawberry Brook and address the City's vulnerable stormwater infrastructure associated with the brook and tributary neighborhood.

Grantee: Manchester-by-the-Sea
Project Title: Sawmill Brook Central Pond Restoration Project Phase 2: Permitting and Final Design
Award: $ 72,385
The project aims to complete permitting and final design for the restoration of the Central Pond area of Sawmill Brook. The restoration design addresses failing infrastructure and seeks to: (1) increase resiliency by reducing flooding, and (2) improve habitat value by restoring a currently impounded water body to a tidally flushed riverine/marsh system and planting native vegetation for stabilization.

Grantee: Medford
Project Title: Equity-Centered Process for Climate Action and Adaptation Planning
Award: $ 36,136
The City of Medford will partner with the Medford Family Network to co-host a set of Community Dinners to create new spaces for underrepresented residents to participate in conversations around climate change and resilience that will inform the City's Climate Action and Adaptation Plan. Deliverables include an abstract and slide deck about this process for use in webinars and conferences about engaging underrepresented residents.

Grantee: Medford
Project Title: Suitability Assessment for Equitable, Community-Driven Resilience Hubs
Award: $ 65,259
To address community health vulnerabilities, the City of Medford will assess the suitability of establishing a Resiliency Hub in Medford by identifying a priority service area for a pilot Resiliency Hub, exploring potential partner organizations and their resiliency capacity, highlighting community member concerns, interests, and goals relating to community climate resiliency, and prospectively identifying and evaluating potential Resiliency Hub sites.

Grantee: Melrose
Project Title: City Hall Parking Lot Green Infrastructure Project
Award: $ 70,313
The City will design green infrastructure solutions for the City Hall Parking Lot to alleviate regular flooding and standing water issues and to provide water quality improvements to downstream resource areas.

Grantee: Monson
Project Title: Energy Resiliency for Town Hall-EOC-Police HQ Facility
Award: $ 75,000
The Town of Monson will work to increase energy resiliency at its Town Hall through identifying a viable strategy for preparing the Town's main emergency response hub for a renewable energy back-up power system.

Grantee: Monterey
Project Title: Enhancing Flood Resiliency through Culvert Improvements along the Konkapot River in Monterey Town Center
Award: $ 57,893
The Town of Monterey seeks to conduct an engineering evaluation and develop a conceptual design that incorporates climate change projections for the expansion of the upstream Route 23 culvert at Monterey Town center in order to accept projected climate-change related stormwater flows. The project provides flood prevention and protects vulnerable populations of residents and visitors in Monterey town center.

Grantee: Nahant
Project Title: Increasing the Resiliency of Short Beach on Nahant to Sea Level Rise: Access Point Restoration and Modification Plan
Award: $ 35,565
The main goals of this project are to raise and restore concrete pathways that currently cut through a critical barrier beach and leave businesses, critical infrastructure, and an evacuation route highly vulnerable to coastal flooding. The beach restoration will involve nature-based solutions. This phase of the project will result in design and permitting plans as well as an outreach program to educate the public on climate change projections for Nahant and plans for access point restoration.

Grantee: New Bedford & Fairhaven
Project Title: New Bedford Harbor MC-FRM Evaluation and Resilience Design Guideline Development
Award: $ 58,662
Using Woods Hole Group's Massachusetts Coast Flood Risk Model (MCFRM) data projections for 2030, 2050, and 2070, the City will develop New Bedford Harbor Resilience Design Guidelines for use in future development to avoid future impacts related to sea level rise and storm surge projections. These guidelines will incorporate nature-based solutions into new development and redevelopment to maximize climate mitigation.

Grantee: Newbury
Project Title: Controlling Flooding and Addressing Future Climate Impacts through the Replacement of the Orchard Street Culvert
Award: $ 126,324
The goal of this project is to upgrade the culvert at Orchard Street to benefit public safety, flood resilience and the ecology of the area. The project includes surveying and data collection, preliminary engineering, hydraulic analysis and geotechnical investigation.

Grantee: Newbury & Newburyport
Project Title: Plum Island Cost/Benefit Analysis
Award: $ 217,451
This project will identify the public costs and benefits that both communities need to consider in order to evaluate management options for Plum Island and to plan for the Island's future.

Grantee: Newburyport
Project Title: Resilient Critical Infrastructure: Adapting a Wastewater Treatment Facility, Underground Electric Lines and Public Rail Trail to Future Sea Level Rise and Storm Surge
Award: $ 71,160
This project seeks to produce designs for a sloped stone revetment and elevated berm that will increase the resilience of the wastewater treatment facility, which is currently threatened by sea level rise and storm surge inundation.

Grantee: Northampton
Project Title: Restoring the Pine Grove Golf Course for Climate Resiliency
Award: $ 225,000
The City of Northampton procured the 105-acre Pine Grove Golf Course in the spring of 2019 and now seeks to restore an adjacent brook's natural hydrology through a combination of targeted reforestation, soil aeration, removal of anthropogenic drainage features, and the development of a masterplan for the future restoration of wetlands and stream channels.

Grantee: Oak Bluffs, Aquinnah, Chilmark, West Tisbury, Tisbury, & Edgartown
Project Title: Development of an Island-Wide Specific Adaptation Strategy
Award: $ 54,000
The project will develop a specific Island-wide climate change adaptation strategy. This strategy includes the determination of methods and identification of specific physical infrastructure needed to respond to the goals and policies set forth in the various Town MVP plans. The project will focus on and utilize nature based solutions/strategies that rely on ecological processes to achieve climate resilience objectives.

Grantee: Palmer
Project Title: RT 181 Culvert Replacement & Culvert Infrastructure Assessment
Award: $ 26,000
The project will inventory and assess town culverts according to the North Atlantic Aquatic Connectivity Collaborative standards for aquatic and terrestrial passage. This project will also include permitting, development of construction documents, and construction of the Route 181 culvert redesign to upgrade this crossing to meet MA stream crossing standards, and to address stormwater quality and flow concerns.

Grantee: Palmer
Project Title: Comprehensive Master Plan
Award: $ 112,500
The town of Palmer last went through a master planning process in 1975. The creation of an updated Master Plan will be essential in addressing the Town's land uses, infrastructure, transportation, and natural and cultural resources, all in particular regard to climate adaptation, vulnerability, and resiliency.

Grantee: Peabody
Project Title: Resilient North River Canal Corridor– Phase 2
Award: $ 365,014
The project is Phase II of the Resilient North River Canal Corridor project. Phase II will prepare designs and permitting documents for a riverwalk and for stabilization of the south bank. The bank stabilization will increase the stormwater and riverine flood storage capacity in Peabody Square, while the riverwalk will create new recreational open space as well as a pedestrian corridor for multimodal transportation in an economically disadvantaged part of the community.

Grantee: Pelham
Project Title: Pelham Severe Weather Mitigation Project
Award: $ 140,000
The Town of Pelham will receive funding to install a Variable Refrigerant Flow (VRF) HVAC system at its Community Center, which contains Pelham's public library as well as its police and fire stations. Installation of this system will enhance the Town's ability to provide services to residents during extreme temperature events.

Grantee: Pittsfield
Project Title: Mill Street (Tel-Electric) Dam Removal Project
Award: $ 99,000
This project contributes to the removal of the Mill Street dam, which will support ecosystem and climate resilience through restoration of riparian continuity and by eliminating obsolete and deteriorating infrastructure. Additionally, the removal of this dam and contaminated sediment will further address the City's obligation to increase community and neighborhood health and resilience in this Environmental Justice neighborhood.

Grantee: Plainfield
Project Title: Transportation Infrastructure Improvement, Inventory, and Prioritization Plan
Award: $ 33,550
The Town of Plainfield will conduct a culvert replacement and surface repair at Bow Street as well as undertake a road stream crossing inventory and vulnerability assessment.

Grantee: Quincy
Project Title: Coastal Flood Mitigation Storm Drainage Improvements- Phase 1: Engineering & Public Outreach
Award: $164,046
Quincy seeks to evaluate opportunities to improve resiliency to climate change in the Adams Shore and Houghs Neck neighborhoods. The first phase of this project includes detailed engineering analysis to better understand site-specific flood conditions in low- lying areas now and under various storm and climate change scenarios, refining recommended alternatives for storm mitigation system design, and outreach to the community and permit agencies.

Grantee: Salem
Project Title: Ocean Ave. West Pump Station Flood Mitigation – Preliminary Design
Award: $ 174,750
The objective of this project is to develop preliminary designs for improvements to the stormwater system to alleviate flooding to this vulnerable portion of the City. Specifically, the design will improve the collection system piping and pump station to accommodate the 100-year flood event.

Grantee: Sheffield, New Marlborough, & Sandisfield
Project Title: Rural Dirt Road Resilience: Assessment, Pilot Study, and Recommendations Report
Award: $ 123,972
The project will conduct a regional assessment of the vulnerabilities of rural dirt roads due to climate change impacts. Once assessments and recommendations are made, they will be incorporated into a pilot project that will apply nature-based solutions to a rural dirt roadway, Weatogue Road, in Sheffield. This project will include community outreach on the lessons learned across the three subject communities.

Grantee: Shirley
Project Title: Microgrid Feasibility Study
Award: $ 63,272
This project will investigate the feasibility of implementing a microgrid for the town's key municipal complex, which includes the town hall, public library, town police station, and the adjacent regional middle school. The study will provide design options for maintaining the critical operations/facilities independently from the utility electrical grid via digitized renewable energy microgrid during loss of utility power incidents.

Grantee: Somerville, Boston, Chelsea, Everett, Winthrop, & Revere
Project Title: Critical Regional Infrastructure and Social Vulnerability in the Lower Mystic Watershed
Award: $ 389,995
The Resilient Mystic Collaborative will conduct a two-part vulnerability assessment of the Lower Mystic watershed. The first will identify interdependencies among critical infrastructure and potential cascading failures during and after an extreme coastal storm, while the second will engage with community and public health experts to identify possible impacts to vulnerable residents and workers when critical infrastructure fails.

Grantee: Swampscott
Project Title: Beach Access Resiliency and Accessibility Improvements
Award: $ 375,521
This project aims to design, permit, and implement nature-based coastal resiliency improvements at the Cassidy Beach Park and Phillips Beach access ways, which serve as flood pathways into inland floodplains during coastal flooding events. By reducing flooding through these access ways, the project will increase the resilience of critical transportation, public safety, water, wastewater, and recreational assets.

Grantee: Uxbridge
Project Title: Integrated Vector-borne Disease Control Program
Award: $ 256,926
The Town of Uxbridge seeks to develop an integrated vector-borne disease management plan. This would include (1) a tailored, biological-based, and regional approach to mosquito control, (2) replacing highly degraded priority culverts, and (3) strengthening the emergency communications plans and systems in order to reach all members of the community.

Grantee: Waltham
Project Title: Resilient Stormwater Management and Implementation Plan
Award: $ 217,370
The City of Waltham will create a Resilient Stormwater Management and Implementation Plan to address the City's vulnerable stormwater infrastructure. This plan will allow the City to identify priority stormwater projects and key areas to equitably incorporate green infrastructure, to evaluate projects to more efficiently direct future resources, and to better maintain, protect, and improve the assets and natural resources of the City through proactive stormwater management.

Grantee: Weston
Project Title: Climate Action & Resiliency Plan
Award: $ 100,000
Weston seeks to develop a Climate Action & Resiliency Plan, which takes the MVP planning work to the next level by engaging in a deep and equitable engagement process with all community members and municipal staff. This engagement will also allow the community to build a common language on what a sustainable and resilient future looks like for Weston, and together, to create a 3-5 year work plan for the Town and community partners.

Grantee: Woburn
Project Title: Shaker Glen Restoration and Flood Mitigation
Award: $ 145,445
This project seeks to assess the possibility of building flood storage and stormwater features in the upstream Shaker Glen Extension by restoring wetlands in this previously developed area. The City envisions the redesign will also provide an opportunity to build passive recreational walking trails with interpretive signage to educate the public on climate resiliency.

Grantee: Worcester
Project Title: Worcester Senior Center Parking Lot – Nature-Based Solutions
Award: $ 466,140
The City is looking to provide green infrastructure solutions to a parking lot redesign of its Senior Center – a potential emergency shelter within the community that is central to Environmental Justice neighborhoods. This project could provide an important case study for installing nature-based solutions to address flooding and heat resiliency within an urban constrained site.

Grantee: Yarmouth
Project Title: Energy Resiliency for Mission-Critical Facilities
Award: $ 150,000
The Town of Yarmouth will engage in energy resilience planning for two mission-critical facilities: The Regional Septage Plant and the Police Headquarters. The project scope will include (1) planning, feasibility assessment and siting, (2) design and (3) developing strategies for energy resiliency, finances, and operations, as well as a supporting engineering design.

FY19 MVP Action Grant Projects

Grantee: Belchertown
Project Title: Enhancing Water Supply Reliability: Resilient Water Storage and Water Conservation Planning
Award: $223,513
The Town of Belchertown and the Belchertown Water District will design and permit for a replacement water storage tank that would increase storage capacity and resiliency to drought, and complete a feasibility/concept design of a rainwater harvesting system at Belchertown High School to irrigate the athletic fields.

Grantee: Boston
Project Title: Moakley Park - Resilience Preliminary Design, Technical Analysis, and Pre-Permitting
Award: $1,500,000
The City of Boston is advancing climate readiness along Boston's shoreline at Moakley Park. The project will result in a preliminary design, technical analysis, and pre-permitting assessment of Moakley Park in order to begin phased construction.

Grantee: Braintree
Project Title: Armstrong Dam and Ames Pond Dam Removal - Final Design and Permitting
Award: $90,000
The project consists of the final design and permitting of the Armstrong Dam and Ames Pond Dam removal, two obsolete and deteriorating dams on the Monatiquot River in Braintree, river channel restoration in the area of former mill pond, as well as the design of a public access walkway and interpretive trail along portions of the river through the site.

Grantee: Brockton
Project Title: Integrated Water Infrastructure Vulnerability Assessment for Climate Resiliency
Award: $312,615
The City will conduct modelling and assessment that will provide a baseline understanding of risks to infrastructure, environment, and residents associated with flooding events.

Grantee: Cambridge
Project Title: Completing a watershed-wide analysis to optimize and coordinate regional stormwater management in the Mystic River Watershed
Award: $350,000
The Resilient Mystic Collaborative (RMC) will identify and pursue site-specific green infrastructure opportunities for regional stormwater management and local co-benefits. The project will include ranked, mapped, and characterized descriptions of each of the regional opportunities for green infrastructure, along with an understanding of the remaining need for other flood management strategies.

Grantee: Concord
Project Title: Climate Action and Resilience Plan
Award: $100,095
The Town will develop a comprehensive Climate Action & Resilience Plan.

Grantee: Concord
Project Title: Reforestation and Tree Resilience
Award: $150,000
This project includes planting 100-125 trees (following Greening the Gateway Cities Program standards), ash tree treatment to control the spread of Emerald Ash Borer, and a tree farm feasibility study and preliminary design to determine if the development of a municipal tree farm/nursery on a predetermined site is feasible and will provide long-term climate benefits. A preliminary design will be created for such a tree farm.

Grantee: Dedham
Project Title: Dedham Climate Action & Resilience Plan
Award: $185,895
The Towns will conduct a Climate Action & Resilience Plan project that will include updates to its existing hazard mitigation plan, a targeted vulnerability assessment focused on identifying recommendations to improve the resilience of its infrastructure, an accounting of the greenhouse gas emissions and a pathway to reduce them, the development of a climate resilience framework, and an equitable engagement process.

Grantee: Deerfield
Project Title: Reducing Flooding Vulnerability in Deerfield
Award: $278,023
The Town will install green infrastructure in the town center, develop a municipal green infrastructure policy, replace two top priority culverts with more resilient culverts with improved wildlife passage, coordinate a community climate awareness event, conduct public education on the town's new Rave emergency alert systems, create an evacuation action plan for potential dam failures and major floods on the Deerfield River, and develop a land conservation priority plan for protecting key parcels in the Deerfield River floodplain.

Grantee: Devens
Project Title: Devens Climate Action & Resilience Plan
Award: $142,170
The Devens Enterprise Commission in partnership with Mass Development Devens will create a community wide climate action and resilience plan.

Grantee: Duxbury
Project Title: Climate Change Flood Vulnerability Assessment/Adaptation Planning
Award: $131,712
The Town of Duxbury will conduct a detailed vulnerability and risk assessment of municipal infrastructure, commercial infrastructure in the Snug Harbor business district, and natural resources to develop targeted strategies aimed at reducing risks from flooding, increased storm intensity, sea level rise and storm surge.

Grantee: Edgartown
Project Title: Climate Change Flood Vulnerability Assessment/Adaptation Planning
Award: $90,035
The Town of Edgartown will conduct a climate change vulnerability assessment of municipal infrastructural and environmental features to develop targeted strategies aimed at reducing risks from flooding, increased storm intensity, sea level rise and storm surge. The goal of the project is to develop a GIS database the Town can use moving forward with resiliency planning.

Grantee: Essex & Ipswich
Project Title: Impacts of future storminess, greater wave energy, and increased sediment transport along Castle Neck and into Essex Bay: Essex, MA
Award: $190,349
Using a suite of Delft3D models (hydrodynamic, wave, and sediment transport), the Town will quantify how future sea-level rise and increased storminess will impact the relationships amongst the longshore transport, erosion/depositional patterns, and spit growth/retreat along Castle Neck Island in Ipswich and into Essex Bay. The Town will also determine how to *work with the system* to improve the resilience of the coastline around Essex via nature-based solutions.

Grantee: Falmouth
Project Title: Coastal Resiliency Planning for the Surf Drive Area
Award: $74,787
The Town will develop a phased management approach for reducing vulnerability to natural hazards and enhancing coastal resiliency along the Shining Sea Bike Path and Surf Drive between Trunk River and Shore Street. The study will consist of three main components: identify vulnerabilities and threshold, develop a conceptual phased management approach, and public outreach.

Grantee: Falmouth
Project Title: Coonamessett River Restoration Project: Construction of Phase 2
Award: $760,000
The Town is currently undertaking the restoration of the lower Coonamessett River and associated former cranberry bog complex. Phase 2 includes removal of a second dam, replacement of a failing culvert, and restoration of the remaining 39 acres of the cranberry bog complex and 3,000 linear feet of the Coonamessett River.

Grantee: Mattapoisett
Project Title: Pine Island Pond Watershed Lands Project
Award: $960,000
The Town of Mattapoisett is partnering with the Mattapoisett Land Trust and the Buzzards Bay Coalition to purchase 120 acres of pristine forest, streams, freshwater wetlands, and coastal salt marsh in the Pine Island Pond area of Mattapoisett.

Grantee: Medford
Project Title: Flood Mitigation Strategy Feasibility Analysis and Conceptual Design
Award: $93,529
This project will include an implementation feasibility analysis of two mitigation alternatives (identified in Medford's previous MVP Action Grant award), and development of the preferred alternative to conceptual design.

Grantee: Millbury
Project Title: Armory Village Green Infrastructure Project
Award: $1,000,000
This project represents Phase 1 of a larger project addressing stormwater capacity throughout Armory Village. Green infrastructure like stormwater planters, bioretention bump outs, rain gardens, tree box filters, tree planting, and selective application of porous pavers and pervious pavement will reduce heat island effects and stormwater runoff to the Blackstone River. Interpretive signage will be installed on the Lower Common to describe green infrastructure techniques used and their benefits for ameliorating climate change, improving water quality, and minimizing the quantity of water impacting the Blackstone River.

Grantee: Nantucket
Project Title: Designed for Adaptation
Award: $78,000
The Town will develop a public awareness toolkit incorporating information on flooding adaptation strategies for private property owners in the Nantucket National Historical Landmark District, the development of Design Guidelines for the Town of Nantucket's locally-designated historic districts, and a Resilient Nantucket statewide workshop to address flood risk, public awareness strategies and design guidance for adapting historic districts to a future of flooding.

Grantee: Northampton
Project Title: Protecting Downtown: Northampton's Flood Control Levees
Award: $315,000
The project will provide the field work, borings, analysis, and engineering necessary to identify what upgrades are necessary so the flood control levees protecting downtown Northampton can withstand floods from the Connecticut River and the Mill River.

Grantee: Oak Bluffs
Project Title: North Bluff Preservation Project
Award: $2,069,310
The Town will conduct a beach nourishment project to dredge Sengekontacket Pond, retrofit existing timber groins on the North Bluff beach to better contain the beach nourishment, and nourish the North Bluff beach below mean high water to enlarge it for climate resiliency and increased recreational value.

Grantee: Pittsfield
Project Title: Churchill Brook and West Street Culvert Replacement Project
Award: $814,524
Pittsfield's MVP Action Grant will include work on two high priority culverts in Pittsfield, MA: replacement of Churchill Brook at Churchill Street culvert and design of West Street at May Brook replacement culvert.

Grantee: Rehoboth
Project Title: Culvert and Green Infrastructure Concept Design and Dam Resiliency Assessment
Award: $119,622
The Town will assess two stream crossings on Danforth Street, downstream of the Perryville Dam, and a stream crossing on County Street. The Town will prepare concept designs to replace the culverts, prepare concept designs for green infrastructure at each stream crossing site, and prepare order of magnitude costs for design and construction for the stream crossing and green infrastructure.

Grantee: Salem
Project Title: Green Infrastructure for Stormwater Management in City Projects
Award: $320,861
The City is seeking to incorporate flood prevention measures using green infrastructure in renovations to Gallows Hill Park and Bertram Field, and the planting of new streets trees in downtown Salem.

Grantee: Salisbury
Project Title: Resilient Ring's Island: Preventing a Neighborhood from Being Stranded by Flooding
Award: $157,500
The Town will take steps to increase the resilience of the neighborhood of Ring's Island by raising its access/egress roads and by improving tidal flushing through culvert replacements at both First Street/March Road and Ferry Road. This project involves a redesign and retrofit of infrastructure, as well as a natural storm damage protection technique.

Grantee: Sandwich
Project Title: Communicating the Local Benefits of a Resilient Coast
Award: $46,795
The Town will develop outreach and education materials – including an ArcGIS StoryMap, printed materials, and a 7^{th} – 8^{th} grade STEM curriculum unit – to communicate climate change vulnerabilities and the benefits that the Town's ongoing coastal resilience initiatives provide to the community as a whole.

Grantee: Scituate & Cohasset
Project Title: Mapping Storm Tide Pathways in Scituate and Cohasset: Assessing Coastal Vulnerability to Storms and Sea Level Rise
Award: $112,668
The Towns will identify storm tide pathways and develop associated maps and GIS data. Field work necessary to verify the location of pathways identified through spatial analysis, as well as to document accurate locations, will be conducted and incorporated into the project.

Grantee: Southwick
Project Title: Klaus Anderson Road/Johnson Brook Road-Stream Crossing Redesign, Floodplain Restoration and Green Stormwater Management
Award: $128,056
The Town will complete specific designs and permitting for a replacement stream crossing at the Klaus Anderson Road/Johnson Brook culvert that will meet Massachusetts Stream Crossing Standards. The project will include upstream stormwater management and flood resiliency improvements that utilize green infrastructure, Low-Impact Design, or other nature-based solutions such as floodplain restoration and reconnection.

Grantee: Spencer
Project Title: Green Infrastructure Implementation in Downtown Spencer, Mechanic Street Parking Lot
Award: $370,492
The Town will implement green stormwater infrastructure techniques as part of a parking lot redevelopment project in downtown Spencer. The design will incorporate rain gardens/bioretention and belowground infiltration systems to reduce runoff and pollutant loads from the lot, as well as green stormwater practices along Mechanic Street to capture and treat additional runoff. The requested grant funding would support the design, permitting, and construction of the project.

Grantee: Springfield
Project Title: Community Resilience Through Urban Forestry: Improving Emergency Response and Environmental Conditions in Springfield Massachusetts
Award: $315,000
The project aims to support detailed vulnerability and risk assessment of Springfield's urban forest, increase capacity of municipal nursery operation, and support green job skills training through engaging local non-profits, academic institutions, and city residents.

Grantee: Uxbridge
Project Title: Integrated Water Infrastructure Vulnerability Assessment and Climate Resiliency Plan
Award: $288,904
Uxbridge will create an Integrated Water Infrastructure Vulnerability Assessment and Climate Resiliency Plan. The plan will address water infrastructure and will include a review of local bylaws with consideration for green infrastructure and nature-based solutions, as well as a robust public outreach and education program.

Grantee: Walpole
Project Title: Culvert Assessment and Green Infrastructure Survey, Walpole, MA
Award: $166,496
The assessment addresses flooding concerns related to increases in precipitation totals and intensity. Tasks include an inspection and review of major road-stream crossings with consideration for green infrastructure and nature based solutions, and a robust public outreach and education program targeting vulnerable and environmental justice communities in Walpole and neighboring communities.

Grantee: Westport
Project Title: Assess and Plan for Climate Threats to East Beach Corridor
Award: $75,000
The Town will carry out assessments of the potential risks to the roadway and utility lines along East Beach and recommend feasible actions to reduce or eliminate these risks.

Grantee: Winthrop
Project Title: Climate Resilient Land Use
Award: $99,740
Winthrop will work with the Metropolitan Area Planning Council (MAPC) to conduct a policy scan and audit and draft a new resilient zoning policy or land use tool. Winthrop will also work to further the development of best practices and resources/templates for the municipalities in the Metropolitan Mayors Coalition and design and implement a resilient land use planning and zoning training for municipal staff and volunteers.

Grantee: Woburn
Project Title: Horn Pond Brook Improved Fisheries Habitat and Flood Control
Award: $235,355
The City will evaluate and restore Horn Pond Brook so that flooding is reduced, and habitat is improved for migratory fish passage. The City also plans to install two green infrastructure demonstration projects: a rain garden near its water treatment plant on Lake Avenue, adjacent to Horn Pond, to capture and treat stormwater and protect the brook's water quality, as well as shade tree plantings at the City's Senior Center.

Grantee: Wrentham
Project Title: Eagle Dam Removal
Award: $46,000
The Town will partner with Charles River Watershed Association (CRWA) to assess the feasibility of removing Eagle Dam to restore natural flow patterns and re-establish the floodplain along the Eagle Brook.

FY18 MVP Action Grant Projects
Grantee: Adams
Project Title: Assessment and Design for Adaptation and Resilience
Award: $56,250
The Town of Adams will assess, analyze, evaluate, and prioritize small storm water conveyances to understand current conditions. The Town will advance the recommendations that result from this process, and conceptual designs will be developed for 2-3 of the highest priority sites.

Grantee: Arlington
Project Title: Mill Brook Corridor Flood Management Demonstration Project: Pilot Study and Implementation
Award: $399,260
The Town of Arlington will expand upon an existing project supported by Community Preservation Act funds to survey the Mill Brook corridor, design public access improvements between Wellington Park and the Brook and enhance the natural resources of the Brook and surrounding areas. Improvements to Mill Brook include invasive plant removal, flood storage capacity, bank stabilization, and revegetation.

Grantee: Belchertown
Project Title: Town-wide Road Stream Crossing Assessment and Climate Change Adaptation Plan
Award: $151,437
The Town of Belchertown will identify and provide recommendations and concept designs for high-priority crossings to enhance community resilience, mitigate existing and potential flooding, and increase stream continuity and aquatic passage. The project will also provide recommendations for areas that are known to be heavily influenced by beaver activity.

Grantee: Boston
Project Title: Climate Ready Zoning and Design Guidelines
Award: $250,000
The Boston Planning and Development Agency and Boston Environment Department will establish a future sea level rise zoning layer with urban design guidelines for reconstruction, retrofits in historic districts, district level flooding interventions, and requirements for new construction through a community engagement process.

Grantee: Brookline
Project Title: Climate Resiliency Policy Audit/Amendments and LID and Design Guidelines
Award: $56,188
The Town of Brookline will engage with an engineering firm to conduct an audit of its storm water, floodplains, zoning, and wetlands bylaws and DPW Site Plan Review Checklist to identify opportunities to mandate higher standards for climate resiliency or identify any conflicts with State policy.

Grantee: Cambridge
Project Title: Cambridge Climate Change Preparedness & Resilience Catalyst Project
Award: $118,000
The City of Cambridge will develop four resilience toolkits for renters, small residential owners, smalls businesses, and large businesses. Each toolkit will be presented in a workshop targeting the relevant audience.

Grantee: Carver
Project Title: Climate Change Water Resource Vulnerability and Adaptation Strategy Assessment
Award: $196,979
The Town of Carver will conduct a climate change vulnerability assessment and management plan that addresses natural and man-made water resource features in the community. The project will consist of a series of technical assessments focused on these major types of water resources within the community and associated climate change vulnerabilities. The results of the technical assessments will guide the development of an integrated water resources climate resiliency management plan.

Grantee: Charlton & Spencer
Project Title: Integrated Water Infrastructure Vulnerability Assessment and Climate Resiliency Plan
Award: $300,000
The Town of Charlton and the Town of Spencer will conduct a comprehensive, regional climate change vulnerability assessment and climate resiliency plan that addresses water infrastructure in both communities. The results of these assessments, combined with input from a committee, will guide the development of an integrated climate resiliency plan.

Grantee: Deerfield
Project Title: Municipal Vulnerability Preparedness Plan Implementation
Award: $47,325
The Town of Deerfield will design and permit for the replacement of a vulnerable culvert on Mill Village Road to accommodate the larger flows anticipated with climate change and accommodate fish and wildlife passage. The Town will update the Town's floodplain zoning regulations to protect natural flood storage areas and incorporate new flood maps reflecting climate change.

Grantee: Essex
Project Title: Feasibility Study for an Essex Bay Living Shoreline
Award: $15,000
The Town of Essex will conduct a feasibility study on the creation of a "living shoreline" that will investigate how a nature-based solution relying on green infrastructure for storm protection can be designed to also provide ecological restoration and habitat management to increase coastal resiliency for the Town**.**

Grantee: Essex, Ipswich, & Newbury
Project Title: Documenting Effects of a Large-Scale, Natural Sediment Event on Salt Marsh Resiliency in the Great Marsh Estuary
Award: $60,000
The Towns of Essex, Ipswich, and Newbury will study the effects of large-scale sediment additions over marsh areas to recreate given environmental regulations. Results will be used to characterize marsh plant and soil responses to sediment nourishment on a landscape sale and determine whether this natural event increases or decreases marsh resilience to sea level rise.

Grantee: Gloucester
Project Title: Watershed and Water Supply Vulnerability, Risk Assessment, and Management Strategy
Award: $107,044
The City of Gloucester will develop an in-depth climate change risk assessment and management strategy for its water supply and reservoir system, including its watersheds. The project will assess the potential impacts of long-term climate change on this system. The City will also identify and evaluate the effectiveness of different management, operational, and infrastructural strategies to mitigate identified climate risks to water supply reliability.

Grantee: Holden
Project Title: Water/Sewer Infrastructure Green Emergency Power Study
Award: $24,588
The Town of Holden will conduct a study to investigate the possibilities of providing “green” emergency power.

Grantee: Holyoke
Project Title: Meeting an Immediate Need by Learning from Hurricane Maria Survivors in Holyoke
Award: $149,825
The Town of Holyoke will partner with a bilingual consulting team to gather a detailed demographic analysis of individuals who arrived in the Town from Puerto Rico as a result of Hurricane Maria. In-person interviews will be conducted with local social service providers, local politicians, local governmental agencies, and state/federal agencies to determine the ground rules for what transpired during and after Holyoke’s response to Maria. This will produce an institutional analysis and checklist for steps that communities need to implement to be more prepared for accommodating climate migrants.

Grantee: Manchester-by-the-Sea
Project Title: Sawmill Brook Central Pond Restoration Design
Award: $88,180
The Town of Manchester-by-the-Sea will complete the permit level design for its Sawmill Brook Central Pond Restoration. The restoration design will be optimized to maintain flood storage capacity and will consider hard and soft solutions for erosion control, evaluate options to retrofit a storm water outfall, and improve habitat value within the Pond through a shift from the currently impounded water body to a tidally flushed riverine/marsh system.

Grantee: Medford
Project Title: Medford Open Space Plan Update
Award: $60,000
The City of Medford will update its Open Space Plan and incorporate current climate change projections for the City. It will identify open space and recreation resources within the city and identify growth trends that will help project future availability and demand.

Grantee: Medford
Project Title: Drainage Model and Conceptual Strategies to Reduce Future Flooding in South Medford
Award: $60,830
The City of Medford will refine its city-wide drainage model and create a more detailed 2-D map of South Medford, including simulations of future storms and the potential impact of increased water volumes flowing down the Mystic River from the Upper and Lower Mystic Lakes. Additionally, the City will develop both green and grey infrastructure options for flow reduction and flood attenuation to provide protection on a neighborhood scale.

Grantee: Mendon
Project Title: Integration of Low Impact Development Standards into Local Bylaws and Subdivision Regulations
Award: $8,025
The Town of Mendon will build on the work done in 2016 with Mass Audubon and the MVP process to hire a consultant to undertake the drafting of comprehensive Low Impact Development (LID) bylaws.

Grantee: Montague
Project Title: Montague City Road Flooding Protection Project: Design and Permitting
Award: $33,750
The Town of Montague will employ nature-based storm damage protection and other bioengineering methods to adapt to seasonal flooding that routinely closes one of Montague's main thoroughfares.

Grantee: Natick
Project Title: Tree Planting Plan to Mitigate Heat Islands and Reduce Runoff
Award: $9,025
The Town of Natick will develop a 5-10 year tree planting plan focused on mitigating heat islands, providing shade for vulnerable populations, and reducing stormwater runoff. The Town will focus on public and private properties with significant impervious surface, areas with known environmental justice communities and vulnerable populations, and land with significant stormwater runoff.

Grantee: Natick
Project Title: Water Conservation Campaign
Award: $16,640
The Town of Natick plans to implement a new water utility software, WaterSmart, that uses data and behavioral science to save water. The Town will use funds to support community outreach to achieve widespread adoption of the WaterSmart technology. Engagement includes mailings, a main street banner, and "Water Week" community outreach activities.

Grantee: Natick
Project Title: Low Impact Development Regulation Development and Zoning Bylaw Inclusion
Award: $39,053
The Town of Natick is seeking to update its current regulations to incorporate as many of the Mass Audubon LID Zoning ByLaw suggestions in order to create more LID rich zoning bylaws fit for the Town of Natick. The Town will hire a consultant to review and analyze the feasibility for the suggested opportunities for LID inclusion into Zoning Bylaws and draft subsequent Bylaw modifications.

Grantee: New Bedford
Project Title: Comprehensive Climate Adaptation and Resilience Action Plan and Interactive Community Dashboard
Award: $165,120
The City of New Bedford will develop a Community Climate Adaptation and Resilience Action Plan and an associated online Community Sustainability Dashboard. The City will also update its existing Multi-Hazard Mitigation Plan.

Grantee: Newbury
Project Title: Assessing storm energy reduction by the vegetated salt marsh platform in Newbury, MA: A background to enhancing natural protection by the living shoreline
Award: $225,840
The Town of Newbury will use hydrodynamic and wave modeling and fields studies to improve marsh resiliency and evaluate the effectiveness of marshes in reducing storm surges and wave energy, as well as determine if defenses to Newbury can be improved through CZM StormSmart principals and Living Shoreline solutions.

Grantee: Newburyport
Project Title: Wastewater Treatment Plant Climate Resilience
Award: $122,695
The City of Newburyport will improve the resilience of Newburyport's Wastewater Treatment Plan to effects of various climate change stressors. The project will involve performing a detailed climate risk assessment to the various components within the wastewater facility, identifying solutions to reduce flood risk, and creating a roadmap with timeline for implementing these solutions.

Grantee: Northampton
Project Title: Northampton Designs with Nature to Reduce Storm Damage
Award: $400,000
The City of Northampton will design green infrastructure to detain, retain, and treat stormwater using nature-based solutions. The City will do site analysis on ten opportunity sites on public land that have been identified and prioritized based on harm/vulnerability reduction and stormwater benefits.

Grantee: Peabody
Project Title: Peabody North River Canal Resilient Wall, Riverwalk, and Park
Award: $224,216
The City of Peabody will conduct a comprehensive project along the North River Canal with project components that will improve resilience, address site contamination from historic use as a tannery district, and create a park resource that enhances public access and vitality of the area.

Grantee: Peabody
Project Title: Lawrence Brook Watershed Flood Mitigation and Water Quality Improvement
Award: $243,400
To address ongoing flooding issues along City streets in the watershed, the City evaluated alternatives to mitigate flood depth and extent while also addressing water quality, including LID and green infrastructure approaches, to mitigate flooding and improve stormwater quality in the watershed. The City determined that a combination of GI and LID as well as a new stormwater outfall will serve to alleviate flooding. A conceptual design for the outfall and BMPs/LID elements has been completed, and this project entails evaluation of climate change predictions on the final design, as well as execution of the final design and permit application preparation.

Grantee: Pelham
Project Title: Resilient Pelham
Award: $137,250
The Town of Pelham proses 3 projects: 1) Resilient Roads 2) Resilient Communications and 3) Resilient Campus for emergency operations and sheltering. The Town will 1) assess and incorporate nature-based solutions toward removing vulnerabilities such as failing culverts and the potential threat of roads washing out, 2) conduct a study to identify residential neighborhoods at risk of total isolation due to culvert failure, roadway flooding, and temporary or long term route closure, 3) compile data and assess and enhance various forms of communication in the town, and craft an education and outreach strategy.

Grantee: Salem
Project Title: Salem Sanitary Sewer Trunk Line Relocation Assessment
Award: $345,000
The City of Salem will evaluate and identify a feasible solution to remove and relocate critical sewer infrastructure out of a resource area and outside a hazardous area where it is subject to damage from storms and storm surge.

Grantee: Sandwich
Project Title: Climate Change Vulnerability Assessment/Adaptation Planning for the Town of Sandwich
Award: $88,025
The Town of Sandwich will conduct a detailed vulnerability and risk assessment of municipal infrastructure and natural resources to develop targeted strategies aimed at reducing risks from flooding, increased storm intensity, seal level rise, and storm surge. Through this project the Town will provide data on likely scenarios and degrees of potential impact.

Grantee: Scituate
Project Title: Comprehensive Wastewater Treatment Resilience Feasibility Study
Award: $75,100
The Town of Scituate will conduct a feasibility study to more closely assess the vulnerability of specific wastewater infrastructure facilities with respect to current and future coastal flood hazards, identify and prioritize the most suitable climate adaptation strategies for each facility based on the results of the feasibility study, and budget for future costs associated with the recommendations.

Grantee: Somerville
Project Title: Detailed Vulnerability and Risk Assessment, Green Infrastructure, Public Education & Communication
Award: $350,000
The City of Somerville will enhance its basic city-wide storm water and sanitary system model to understand its vulnerability to flooding on a street-by-street basis, and use this data to learn where green infrastructure can best impact flood control and water quality management and to develop a flood risk communications strategy, messaging, and materials targeted towards residents in inundation-prone areas.

Grantee: Swansea
Project Title: Public Water Supply Infrastructure Vulnerability Assessment
Award: $28,495
The Town of Swansea will conduct a climate change vulnerability assessment of its desalination treatment facility's raw water intake infrastructure and the primary access road to the infrastructure. The assessment will be conducted by an engineering consultant, in collaboration with the Town's technical staff, to develop a future resiliency plan to protect the public water supply from sea level rise and extreme storms.

Grantee: Wareham
Project Title: Climate Change Flood Vulnerability Assessment/Adaptation Planning
Award: $62,735
The Town of Wareham will conduct a climate change vulnerability assessment of municipal infrastructural, societal, and environmental features to develop targeted strategies aimed at reducing risks from flooding, increased storm intensity, sea level rise, and storm surge.

Grantee: Weymouth
Project Title: Fort Point Road Coastal Infrastructure Resilience Project
Award: $129,557
The Town of Weymouth will redesign critical coastal infrastructure within the Fort Point Road neighborhood. The seawall, revetment, and drainage structures in the area of Fort Point Road will be redesigned to new standards of protection, relying on new generation materials, best practice and engineering techniques, and anticipation of climate change impacts.

Grantee: Winthrop
Project Title: Ingleside Park Feasibility Study and Permitting
Award: $156,750
The Town of Winthrop will conduct a feasibility study to mitigate flooding in Ingleside Park. In addition, the coastal processes at the site will be evaluated to determine the water levels, tidal influence, waves, and storm surge elevations at the project site for present day, as well as three future time periods (i.e., 2030, 2070, and 2100) incorporating sea level rise. These data will inform the alternatives analysis to select an appropriate nature-based or conventional infrastructure type.