MVP Action Grant Funded Project Descriptions

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
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.

**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 adaptation 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 downstream 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 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.
**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 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, rain gardens, 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 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 (UFCRMMP). 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 7th – 8th 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, small 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 scale 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.