EDWARD J. MARKEY
MASSACHUSETTS

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U.S. SENATE CLIMATE CHANGE TASK FORCE

United States Senate

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May 26, 2022

The Honorable Patrick Leahy
Chairman
Senate Committee on Appropriations
Washington, D.C. 20510

The Honorable Richard Shelby
Vice Chairman
Senate Committee on Appropriations
Washington, D.C. 20510

The Honorable Jeff Merkley
Chairman
Interior, Environment, and Related Agencies
Washington, D.C. 20510

The Honorable Lisa Murkowski
Ranking Member
Interior, Environment, and Related Agencies
Washington, D.C. 20510

Dear Chairman Leahy, Vice Chairman Shelby, Chairman Merkley and Ranking Member Murkowski:

I certify that neither I nor my immediate family has a pecuniary interest in any of the congressionally directed spending items that I have requested in the Fiscal Year 2023 Interior, Environment, and Related Agencies appropriations bill, consistent with the requirements of paragraph 9 of Rule XLIV of the Standing Rules of the Senate.

Thank you.

Sincerely,

Edward J. Markey

Markey, Edward(D-MA) Interior and Environment
Congressionally Directed Spending Requests

Recipient Name	Project Purpose	Project Location	Amount Requested ($000)
Town of Acton	The Town of Acton is seeking to improve existing wastewater discharge capacity by identifying and removing infiltration and inflow (I/I) which contributes to the peak flows and increases overall operating and treatment costs. This proposal continues Acton's I/I investigation efforts where the last wet weather inspection was completed in 2018. The Middle Fort Pond Brook Wastewater Treatment Facility currently averages approximately 135,000 gpd and factoring in several proposed developments and peak flows based on diurnal sewer patterns, infiltration and inflow (I/I) is very close to the permitted limit on a maximum day basis.	Acton MA	$172
Town of Agawam	The existing 127-foot-long corrugated metal culvert conveying flows within White Brook under North Street is in structurally poor condition and not adequate during heavy rainfall events. In Fall 2020, significant deterioration of the culvert, and embankment and streambed erosion were detected. This project is identified as second priority for culvert replacement and rehabilitation in the Town's Capital Improvements Plan (2021) and Stormwater Master Plan (2021), with high likelihood of failure and very high consequence of failure. This project will replace the existing culvert to mitigate public health risk of residents and visitors, as well as restore stream and wildlife connectivity.	Agawam MA	$1,280
Town of Agawam	The existing drainage network on South Park Terrace and Lealand Avenue is primarily comprised of dry wells, however, due to poor soil conditions in this area which are not ideal for infiltrating stormwater, surface flooding occurs during heavy rainfall events. This project will mitigate public health risks associated with flooding through construction of a new stormwater conveyance system that discharges to the existing drainage network on Raymond Circle. The South Park Terrace/Lealand Avenue stormwater conveyance system project is identified as the fifth priority capital improvement project in the Town's Stormwater Master Plan (2021).	Agawam MA	$4,826
Town of Agawam	The existing stormwater drainage system along Meadow Street is aging, undersized, and failing, which has resulted in historic flooding along Meadow Street and Regency Park Drive. This project will mitigate public health risks associated with flooding through replacement of the existing, failing storm drain infrastructure with new storm drain infrastructure designed to accommodate increasing flows due to more frequent severe storm events resulting from climate change. Additionally, this project will replace adjacent aging water distribution infrastructure. The Meadow Street/Regency Park Drive infrastructure project identified as the third priority capital improvement project in the Town's Stormwater Master Plan (2021).	Agawam MA	$4,826
Massachusetts Alternative Septic System Technology	This request for funding seeks to leverage and enhance the existing assets of the Massachusetts Alternative Septic System Technology Center (MASSTC) for the further development of simple and sustainable onsite wastewater treatment and monitoring technologies and, as importantly, tools and a workforce to manage the nation's decentralized wastewater infrastructure. To do this, we will: train and develop a workforce to operate, maintain and sustain onsite wastewater treatment infrastructure develop tools and soft infrastructure to facilitate efficient management of onsite wastewater infrastructure perform and coordinate research that leads to onsite wastewater treatment innovations	Barnstable MA	$2,113
Boston Harbor Now	Boston Harbor Now, a regional non-profit, ensures that Boston's waterfront, harbor, and islands are accessible and inclusive and that these assets are properly adapted to the risks of climate change. We accomplish this by advancing a broad vision for public engagement and access to the Harbor and its islands. This funding will enable our organization to sustain and grow our public access programming and to engage the community in nature based research solutions to ameliorate and protect our coastline from the impacts or climate change and sea level rise.	Boston MA	$300

Revolutionary Spaces	Revolutionary Spaces, Inc. (RSI) requests $500,000 in 50/50 matching funds to support urgent preservation and conservation work to address persistent water infiltration issues at Old South Meeting House (OSMH), which was listed on the National Register of Historic Places in 1966. Water infiltration has been a reoccurring issue at OSMH and has caused significant flooding events that resulted in building damage. Most recently, in 2021, flooding was observed at the southwest portion of the lower-level basement, at the upper-level basement foyer at the west below-grade entrance, and at the center portion of the upper-level basement. During these episodes, water pooled throughout the spaces, which rendered much of the basement and sub-basement unusable and required RSI to move parts of the collection offsite after leaking water from the ceiling damaged several items. After removing sections of drywall, RSI found evidence of significant corrosion in the light gauge steel framing, with some sections completely eroded away. The source of water infiltration related to deterioration of the brick masonry, failing waterproofing along the facade, and backups in the system of storm drains that are linked to the unfortunate improper disposal of hypodermic syringes that occurred when the building was closed during the height of the COVID pandemic.	Boston MA	$500
Revolutionary Spaces	Revolutionary Spaces, Inc. (RSI) requests $500,000 in matching funds to support preservation and conservation work to address critical climate control and efficiency measures at the Old State House (OSH), listed on the National Register of Historic Places in 1966. Key upgrades at the site include replacing the existing steam heating supply with new energy-efficient boilers and the system’s four air handling units and reconstructing the century-old mechanical room that houses the machinery, as it is close to collapse.	Boston MA	$500
City of Brockton	Design and construction of the preferred sludge dryer Centrisys DLT520 and the design and construction of the preferred alternative process Bioforcetech P-3 pyrolysis unit.	Brockton MA	$2,000
USS Constitution Museum, Inc.	The USS Constitution Museum (USSCM) proudly preserves and interprets a historically significant collection of over 10,000 documents, art and artifacts about America's Ship of State. Today, this “Save America’s Treasures” designated-collection is located in an outdated 1830’s pump house, threatened by sea level rise and lack of humidity control. To preserve this collection, the USSCM will move to a purpose-built, climate-controlled Museum that will be the centerpiece of a new Gateway Center in the Charlestown Navy Yard. While preserving the collection, we also create an exceptional new Museum experience for 350,000+ visitors annually.	Charlestown MA	$300
GreenRoots	GreenRoots is facing displacement from our waterfront offices. Funding would support GreenRoots' grassroots fundraising campaign to purchase land along the Chelsea Creek which would provide critically important public access to the Creek while housing GreenRoots’ office, a regionally important organization which centers equity and resident-led solutions to the climate crisis. Once land is secured, it would be made available to the community in perpetuity through our Communidades Enraizadas Land Trust, ensuring no low-income or ethnically and racially diverse resident gets displaced from their own waterfront ever again. These efforts will advance land sovereignty, climate resiliency, all while preventing future displacement.	Chelsea MA	$750
City of Chicopee	The Chicopee Water Pollution Control Facility (WPCF) has a design flow of 15.5 million gallons per day and discharges to the Connecticut River, which is tributary to Long Island Sound, an Estuary of National Significance impaired by nitrogen pollution. The Plant will require a $60M upgrade to comply with new Nitrogen removal requirements set by EPA and the State. This stand-alone project can be accomplished within one year and will improve existing process tanks and equipment at the WPCF necessary to implement the larger upgrade. The project will provide immediate measurable nitrogen reductions at the plant to benefit the community environs, the Connecticut River, and the Long Island Sound. The project will also improve energy efficiency at the facility, stabilizing operating costs and taxpayer burden.	City of Chicopee MA	$2,854
City of Gardner	The James Street pump station serves water to the northeast neighborhoods of Gardner. The pump station was built during the 1980's and is need of a renovation.	City of Gardner MA	$1,153

City of Gardner	The drainage system captures stormwater runoff from the site via a series of new deep-sump catchbasins directed to one of several drainage trunk lines. These trunk lines directs the runoff through treatment systems prior to discharge to either a proposed underground storage system, an existing system on the western side of the property, or the municpal drainage system within Woodland Avenue. Prior to these discharges runoff is directed through a propietary water quality unit to provide Total Suspended Solids (TSS) and oil removal in compliance with the City Standards as well as DEP Stormwater Management Regulations.	City of Gardner MA	$318
City of Gardner	This project will replace an 1882 transmission main from the City's treatment facility to our storage tanks.	City of Gardner MA	$1,009
City of Gloucester	The City of Gloucester is requesting funding to support the preliminary design phase of our ongoing efforts to make facility improvements and secondary treatment upgrades to our Water Pollution Control Facility (WPCF). The City has recently selected a professional engineering firm to provide Owner’s Project Management (OPM) services associated with updating a 2019 evaluation of the WPCF, preparation of designer selection request for qualifications, and designer selection services. The funding requested would help us move forward with the next phase of this project.	City of Gloucester MA	$2,000
City of Holyoke	This project will involve the construction of new stormwater and sewer piping in the River Terrace and surrounding area in Holyoke to eliminate combined sewer overflow no. 21. The project will be implemented in two phases, this first phase will include the Bemis Heights and areas to the east up to the Connecticut River. When both phases are complete, an estimate 58.4 million gallons of combined sewage discharges will be removed from the Connecticut River.	City of Holyoke MA	$2,000
City of Melrose	Dedicated in 1921 to serve Melrose’s high-density downtown area, Ell Pond Park is a treasured community and regional resource with a range of active and passive recreational facilities surrounding Ell Pond. The 19.1-acre park has long served as the focal point for the City’s recreational needs and its central location serves the broader region seeking outdoor recreation and a quiet respite from urban life. The Park has undergone many upgrades over the years but increased usage and drainage problems have led to deteriorated conditions and put pressure on the fragile ecosystem. To address these concerns the City hired consultants Weston & Sampson to develop a Master Plan for Ell Pond Park. Working with city officials, community members, and other key stakeholders, the Master Plan aims to enhance he public use and enjoyment of this site through improvements to critical infrastructure that also promote our sustainability and climate resiliency goals. After two years of work identifying the needs and outlining improvements and through extensive community engagement, the City is ready to implement these measures and restore the Park in an environmentally sustainable way.	City of Melrose MA	$1,000
New England Forestry Foundation (NEFF)	The Mohawk Trail Woodlands Partnership, a new model of regional collaboration in Northwest Massachusetts, is focused on sustainability of natural resources – as well as economic sustainability of rural communities where people live, and love to visit. The Action on Forest Climate Resilience request funds related initiatives that bring together forest conservation and stewardship to support continued tourism and recreation-based businesses, along with forest-based businesses. The $1.11 million request will meet a core objective to protect and care for forested lands that are part of the identity of this 21-town region – while also tackling the climate crisis.	Littleton MA	$1,110
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Martha's Vineyard Airport Commission	The project will upgrade the WWTF located in West Tisbury that accepts and treats flows from West Tisbury and Edgartown, and from the 64-acre Airport Business Park that serves the entire island of Martha's Vineyard. The upgrades were recommended in the November 2016 Engineering Report . Upgrading the WWTF is critically important as the area lacks redundancy in its ability to treat wastewater, particularly from the Airport Business Park that accommodates many commercial and industrial land uses that are not compatible with the residential nature of other areas of the island, but provide essential services to its residents/tourist economy.	Martha's Vineyard MA	$1,000
Town of Medway	Stormwater runoff has become an increasingly pervasive problem for the nation's waterways and the iconic Charles River is no exception. Stormwater channeled through our drainage system is an agent for carrying pollutants including oils, heavy metals, sediment, bacteria, and nutrients into our waterways. These untreated discharges cause significant degradation in water quality, which affects aquatic life, habitat, and limits recreational opportunities. Excess nutrients, specifically phosphorus, causes harmful algae blooms making the Charles River unsafe to boat or swim at times. Furthermore, the algal blooms lead to reduction in dissolved oxygen which is critical for fish, aquatic wildlife, and the ecosystem as a whole. More frequent and intense precipitation events due to climate change exacerbate the impacts of untreated stormwater discharging into our waterways. To mitigate this issue, the Charles River Watershed communities are tasked with meeting a Total Maximum Daily Load reduction requirement within the next 15 years. The Town of Medway is specifically required to reduce its phosphorus load by 882 pounds. To prevent excess phosphorus from entering the Charles River and its tributaries, the Town must restore previously constructed stormwater structures to their original design in addition to building new structures. By restoring the existing town owned and town managed stormwater structures to their original design, the Town will capture approximately 81 pounds of phosphorus. This is approximately 10% of the total load reduction requirement. Rehabilitating the 95 town managed stormwater structures will not only improve water quality, but it will increase the community's resilience to flooding by restoring the proper storage capacity of these structures.	Medway MA	$2,944
Town of Plymouth	The Town of Plymouth requests $4,520,000 in funding for its proposed New Tertiary Filter Project at the Town's municipal Wastewater Treatment Plant ("WWTP"). The Project—which involves the design, installation, and integration of an additional, tertiary cloth filtration system within the existing groundwater disposal beds at the WWTP—will reduce the discharge of pollutants and pathogens; ensure greater protection of sensitive environmental resources; augment the reliability and resiliency of the facility; and assist the Town with meeting increasingly stringent permitting limits.	Plymouth MA	$4,520
Pilgrim Society	The Plymouth Four Centuries Archives Renovation project focuses on preserving and sharing four centuries of Plymouth life represented in the nationally significant collections and archives of Pilgrim Hall Museum, including historical manuscripts, documents, photographs, and objects. Key priorities are to provide a 21st century level of stewardship for 35,000 rare, fragile, and irreplaceable archival resources. The project includes new environmental and building systems and a complete renovation of the archives area with redesigned layout, high density storage furniture, archival housing for collections, and archival staff for project implementation, including the development of project-related archival internships.	Plymouth MA	$100
Town of Reading	The project proposes to capture and attenuate stormwater impacting the Aberjona River by creating adjacent offline storage areas. The constructed stormwater wetlands will reduce inland flooding upstream. Increasing the storage potential upstream in the Mystic River is also a regional climate priority. Paired with invasive species removal/management the project will also improve stream bank stabilization and ecological stability while enhancing open space and trails. Ecological stability is provided by the reversal of habitat loss and prevention of both native plant displacement and monoculture growth. These efforts will mitigate local and regional climate impacts through open space development and nature-based solutions.	Reading MA	$2,000

City of Somerville	The City of Somerville will renew and replace century-old water and sewer infrastructure in Spring Hill, a densely populated mixed-income residential neighborhood in central Somerville. Project elements will include separation of sewer and stormwater systems to reduce the need to release Combined Sewer Overflows (CSOs) into surrounding waterways during major storm events; improvements to sewer pipes, drains, and drinking water mains; coordination with public utilities and private property owners; introduction of green infrastructure, including bioretention basins, tree plantings, and landscaping to provide additional, natural, stormwater management; roadway restoration; and traffic improvements, including traffic signal upgrades and new pavement markings.	Somerville MA	$5,000
Town of North Reading	The projects' purpose is to complete the final design of a wastewater collection system to serve the commercial corridor within the Town of North Reading. Completing the design will allow the wastewater collection system to advance to the construction phase, which is anticipated to be funded using betterments, local taxes, and/or future state/federal grants. When construction is complete, additional economic and limited potential housing development is anticipated to become a possibility for the Town's commercial corridors of Route 28 (Main Street) and Concord Street. this development will bring additional commercial tax revenue to the Town and potentially reducing the tax burden on residents. Finally, and perhaps most importantly, this project will redirect current wastewater from untreated discharge into the ground to a wastewater treatment plant.	Town of North Reading MA	$1,500
Town of North Reading	The purpose of this project is to connect municipal and school buildings to the wastewater treatment system owned by the Town and currently operated by its public schools. This project will eliminate the Town's reliance on cesspools and septic systems in an area near the endangered Ipswich River watershed, reducing the amount of untreated wastewater being put into the groundwater and freeing up space on congested Town-owned properties.	Town of North Reading MA	$1,440
Town of Northborough	The purpose of this project is to provide the water/wastewater operators with the ability to perform security monitoring and data collection from the remote locations for the Town's critical water and sewer utility services. The existing wastewater lift stations and remote water sites have been installed over multiple years with a variety of technologies and little commonality between them. The inconsistencies between communications technologies creates a challenge for the operators, that has proven to pose potential environmental and life safety risks.	Town of Northborough MA	$613
Town of Sudbury	The Phase 1/1A Sewer System Conceptual/Preliminary Design effort includes the preliminary design of the Towns first municipal Wastewater Treatment Facility and associated groundwater discharge to support removing failing and/or improperly operating septic systems to preserve public health, as well as environmental resources, specifically the Towns major drinking supplies in the Raymond Road and Hop Brook Aquifer areas.	Town of Sudbury MA	$950
Tyngsborough	The project purpose is to install wastewater infrastructure, in a portion of the Phase 3 area, as identified under the State approved Comprehensive Wastewater Management Plan. The project will help improve groundwater quality by removing all on site wastewater disposal systems and replace them with municipal sewer.	Tyngsborough MA	$4,178
Town of Wellfleet	The funding would allow NPS and USGS to continue analyses and data collection needed to implement the Herring River tidal restoration. This work will: quantify expected reductions in greenhouse house emissions from tidal restoration; test, evaluate, and promote new nature-based solutions for carbon dioxide removal; establish Herring River as the leading Blue Carbon project in New England; demonstrate how restoration of native tidal wetlands enhances Wellfleet’s recreational and commercial shellfish industry; and verify that restored salt marsh and inter-tidal habitats contribute to floodplain resiliency and enhance protection of vulnerable areas in the face increased sea level rise and storm intensity.	Wellfleet MA	$2,000