

Grant Funding Opportunities Quarterly Schedule

January – March (Q1)

- MassDEP 604(b) Grants
- National Fish and Wildlife (NFWF) 5 Star Urban Waters Program

April – June (Q2)

- MassDEP 319 Grants
- Municipal Vulnerability Preparedness (MVP) Program Planning and Action Grants
- MassDOT Complete Streets
- Coastal Zone Management (CZM) Coastal Resilience Grant Program
- CZM Pollution Remediation Program

July – September (Q3)

- MassDEP Water Management Act Support Grants (formerly SWMI grants)
- MS4 Assistance Grants
- MEMA/FEMA Hazard Mitigation Assistance (HMA) Grants

October – December (Q4)

- DOER Green Communities
- Massachusetts Environmental Trust

MassDEP 604b Grant Program

Water Quality Management Planning

- Program Requirements
 - Water quality assessment and management planning
 - Eligible entities: regional planning agencies, councils of governments, conservation districts, counties, cities and towns,
 - No match required, but favored in review
- Look for pre-RFR info in January, proposals usually due in March
- Non-profit partners or consultants often available to write grant proposal and administer the grant
- Projects can cross fiscal year

MassDEP 604b Grant Program

Water Quality Management Planning

Project Examples

- Bellingham Stormwater Management Plan for TMDL Compliance
- Cambridge Green Street Designs



Award: \$45,090



Award: \$45,000

MassDEP Stormwater MS4 Municipal Assistance Grant Program

- New in 2017! Released in **August**, proposal due **September**
- Innovative projects that will assist member communities in meeting the requirements of *either* the 2003 or 2016 Small MS4 General Permit
- Eligible Entities:
 - groups of Massachusetts cities/towns, or
 - Regional Planning Commissions on behalf of groups of Massachusetts cities/towns
- Projects must be completed by June 30, 2018. (Cannot cross fiscal year)
- \$50,000 minimum request



MassDEP Stormwater MS4 Municipal Assistance Grant Program

- **Eligible projects:** Will result in tools or approaches that will help multiple municipalities meet one or more specific requirement of *either* the 2003 or 2016 Small MS4 General Permit. Eligible projects must also:
 - Provide a shared benefit to multiple communities
 - Not duplicate work already done by any Massachusetts stormwater coalition
- Examples of potential projects include, but are not limited to:
 - Formation of new regional coalitions in areas where none exist;
 - Capital investments, including equipment;
 - Outreach and Education services and/or materials; and
 - Pursuit of Best Management Practices (BMPs) for overall improvement to stormwater management.
- Projects are eligible for this grant program at any phase, and funding will support work toward any phase(s) from planning through implementation.

Office of Coastal Zone Management (CZM) Coastal Pollutant Remediation (CPR) Grant Program

- Project Descriptions: To improve coastal water quality by reducing or eliminating NPS pollution, specifically from transportation-related sources, the CPR Grant Program funds projects that:
 - Characterize and treat urban runoff from municipal roadways.
 - Improve and protect coastal resources, such as shellfish beds, bathing beaches, and diadromous fish runs.
 - Implement NPS pollution control methods.
 - Education and outreach can be used as match, but the grant does not directly fund these activities.
- Three categories of projects are funded:
 1. Assessment, identification, and characterization of NPS pollution, identifying appropriate stormwater control methods and siting BMPs.
 2. Design and construction of BMPs to treat runoff
 3. Design and construction of commercial boat-waste pumpout facilities

CZM CPR Grant Program

- FY2018 Award Amounts: \$43,000-\$175,000
- 25% Match Required
- RFR Issued Spring/Early Summer; (FY18 Proposals due May 25, 2017)
- Awards announced summer (July 2017)
- Project complete by June 30th of following year
- Eligible Entities: Municipalities in coastal watersheds (Charles!)



Image sources: <http://www.abam.com/blog/2013/11/how-does-your-garden-drain;>
<https://www.pca.state.mn.us/water/enhancing-stormwater-management-minnesota>

Municipal Vulnerability Preparedness (MVP) Program

- New in 2017!
- Funder: Massachusetts Executive Office of Energy and Environmental Affairs
- Provides support for cities and towns across the state to begin the process of planning for resiliency
- Communities who complete the MVP program will become certified as an MVP community and eligible for follow-up grants and other opportunities.



MVP Planning Grants



- Planning Funding: \$12,500-\$36,000 (amounts determined by EOEEA)
- Conduct established process with state trained provider (CRWA is an MVP provider)
- RFP: March/April
- Proposals due: May
- Projects complete by June 30th of following year
- Regional applications encouraged!
- In kind staff time match required

MVP Action Grants



- Funding available to implement priority actions identified in planning phase
- Nature based solutions strongly encouraged!
- Grants up to \$2 million for individual project; \$5 million for regional project
- 25% match requirement
- Likely to be multiple RFPs issued
- Expenditures limited by fiscal year (varies by RFP issue date)
- Next round expected summer 2019

Water Management Act Grant Program for Public Water Suppliers

- Program Description: Assist eligible public water suppliers and municipalities with Water Management Act permits, funds for planning assistance, demand management, and withdrawal impact mitigation projects.
- Focus of grants:
 1. Planning projects to identify implementation projects to improve ecological conditions;
 2. Conservation projects aimed to reduce the demand for water; and
 3. Withdrawal mitigation projects (increasing recharge, reduce IC, treat stormwater runoff, habitat improvements, etc.)
- Eligible entity: Water Management Act Permit holder
- RFR Issued: August
- Proposals due: September
- Awards: ~ \$20,000 – 120,000
- 20% match required
- Cannot cross fiscal year, complete by June 30th of following year
- A.k.a SWMI Grants



Massachusetts In-Lieu Fee Program

- Under Section 404 of the Clean Water Act, the Army Corps of Engineers
 - requires compensatory mitigation for impacts to aquatic resources
- ILFP allows Corps permittees to make payment rather than mitigate onsite
- Eligible Mitigation Projects Include
 - Planting submerged aquatic vegetation, Dam Removal, Culvert Replacement, Barrier Removal, Stream channel and floodplain naturalization and revegetation, saltmarsh restoration, removal of derelict structures in wetlands and waterways, preservation of wetlands, streams, rivers and upland buffers immediately adjacent to conserved lands

Conservation Assistance for Small Communities Grant



- Financial assistance to small municipalities 6,000 or fewer residents funds the following:
- An appraisal of the value of the fee simple interest or a conservation restriction(CR),of land suitable for conservation or recreation
- Preparation of an Open Space and Recreation Plan (OSRP), including the updating of an expired plan. In order to be eligible for OSRP funding, the applicant municipality must also apply to the FY21LAND, PARC, DWSP, or Landscape Partnership grant program, or
- Other planning to facilitate conservation projects. Other plans to promote conservation may be funded at EEA's discretion.
- A combination of these.



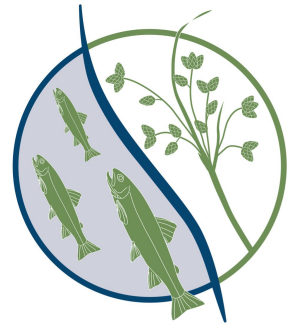
Massachusetts Land and Water Conservation Fund



- The Federal Land & Water Conservation Fund provides up to 50% of the total project cost for the acquisition, development, and renovation of parks, trails, and conservation areas.
- Eligible projects include
 - Acquisition of parkland or conservation land
 - Creation of new parks
 - Renovations to existing parks
 - Development of trails.

Division of Ecological Restoration

Municipal Culvert Replacement Assistance



- Municipalities interested in replacing an undersized, perched, and/or degraded culvert located in an area of high ecological value. Only projects that intend to meet the goals of the Massachusetts Stream Crossing Standards will be considered for funding.
- Projects are eligible for the CRMA grant program at any phase, and funding will support work toward any phase(s) from planning through construction.
- Typical project phases for culvert replacement include planning and field data collection (i.e. new projects), engineering and design, permitting, preconstruction activities (e.g. bidding, materials testing, fabrication, etc.), and construction.
- Applicants may apply for work needed in one or multiple phases; however, work proposed in this application must be completed within the Commonwealth of Massachusetts Fiscal Year.

Local Acquisitions for Natural Diversity (LAND) Grant



- The LAND Grant Program helps cities and towns acquire land for conservation and passive recreation purposes. The grants reimburse cities and towns for the acquisition of land in fee or for a conservation restriction.
- The grants supports the purchase of forests, fields, wetlands, wildlife habitat, unique natural, cultural, or historic resources, and some farm land.
- The general public must have reasonable access to the land.
- Maximum grant award is \$400,000 with a reimbursement rate of 52-70%.



Parkland Acquisition and Renovations for Communities (PARC) Grant



- Assist cities and towns in acquiring and developing land for park and outdoor recreation purposes
- Financial assistance is available to municipalities for the acquisition of recreation land, development of new parks, or the renovation of existing parks.
- Please note that PARC grants can fund park designs only if included as part of construction project, but can fund only construction work.
- Municipality must have an active open space and recreation plan.



Building Resilient Infrastructure and Communities (BRIC)



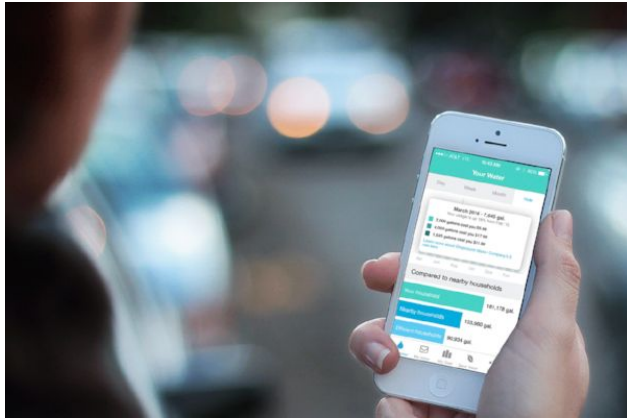
FEMA

- Building Resilient Infrastructure and Communities (BRIC) supports states, local communities, tribes and territories as they undertake hazard mitigation projects, reducing the risks they face from disasters and natural hazards.
- Nationally competitive and supports communities through capability- and capacity-building; encouraging and enabling innovation; promoting partnerships; enabling large infrastructure projects
- The BRIC priorities are to:
 - incentivize public infrastructure projects
 - incentivize projects that mitigate risk to one or more lifelines
 - incentivize projects that incorporate nature-based solutions
 - incentivize adoption and enforcement of modern building codes



Water Management Act Grant Program for Public Water Suppliers

Example Projects



- Stormwater Utility Feasibility Analysis
- Bioretention System Installation
- *Dropcountr* digital water use tracking
- Stormwater Assessment and Planning for Recharge
- System optimization modeling and climate planning

Massachusetts Emergency Management Agency (MEMA) Grant Programs

- **Hazard Mitigation Assistance (HMA) Programs**
 - Pre-Disaster Mitigation (PDM) Grant Program (**All hazards**)
 - Flood Mitigation Assistance (FMA) Grant Program (**Floods only**)
 - Hazard Mitigation Grant Program (HMGP) (Post-disaster funding)
- Emergency Management Performance Grant (EMPG)
- Citizen Corp Program (CCP) Grant
- Hazardous Materials Emergency Preparedness (HMEP) Grant



FEMA/MEMA Hazard Mitigation Assistance (HMA) Programs

- Mitigation: effort to reduce loss of life and property by lessening the impact of disasters; taking action now to reduce human and financial consequences later.
- Projects should provide an increased level of protection, that will **ultimately reduce, or eliminate risk to people and property from the effects of natural hazards**
- FEMA's Hazard Mitigation Assistance Programs *not intended to fund*:
 - *Repairs*
 - *Replacements*
 - *Deferred maintenance activities (Rehabilitation)*
- To be eligible for project grants, sub-applicants must have a locally adopted and **FEMA-approved Local Natural Multi-Hazard Mitigation Plan (LHMP)** by the application deadline. Can also apply for funds to develop or update and LHMP.

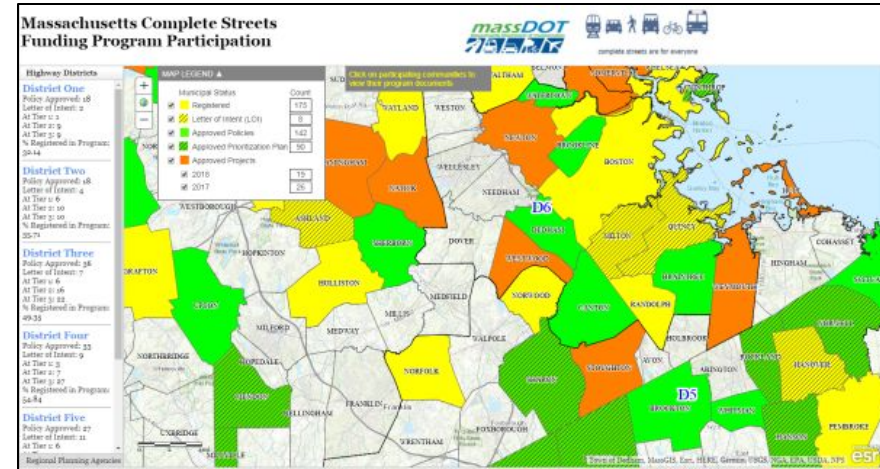
FEMA/MEMA Hazard Mitigation Assistance (HMA) Programs

- Possible Mitigation Projects (must have LHMP): stormwater drainage and culvert improvements; floodplain and stream restoration; flood control, diversion, and storage; property acquisition; slope stabilization; etc.
- *Funding also available to develop or update LHMP (very simple application)*
- Application period: August-September/October
- 25% non-federal match required
- 36 month timeline
- PDM: Max 9 projects/state; \$575,000 total/state
- Application requires a Benefit-Cost Analysis (BCA) to determine if your project is cost effective (not required for LHMP development)



MassDOT Complete Streets Program

- 2014 Transportation Bond Bill
- Provide safe and accessible options for all travel modes – walking, biking, transit and cars
- Two types of support:
 - Technical Assistance
 - Construction funds
- Eligibility Requirements for Munis:
 - Attend Complete Streets training
 - Pass Complete Streets Policy (Tier 1)
 - Develop Prioritization Plan (Tier 2)



Complete Streets Funding Program Due Dates for FY16 & FY17

Stormwater Management Enhancements:

- Reduce Impervious Cover
- Porous Bike/Parking Lanes
- Green Street Construction
- Funding Match for 319 grant

<u>Tier 1</u>		
Municipal Actions	Dates	Frequency
Submit Complete Streets Policy for review/scoring	February 2016 – May 2017	Monthly
Submit letter of Intent to Pass a Complete Streets Policy	February 2016 – May 2017	Monthly
Submit letter of Support by Highest elected Official or Board	February 2016 – May 2017	Monthly
Attend Complete Streets 101 or 202 Training	January 2016 – June 2017	Monthly
MassDOT Actions		
Review/Score Complete Streets Policy	February 2016 - September 2016 December 2016, March 2017, June 2017	Monthly Quarterly

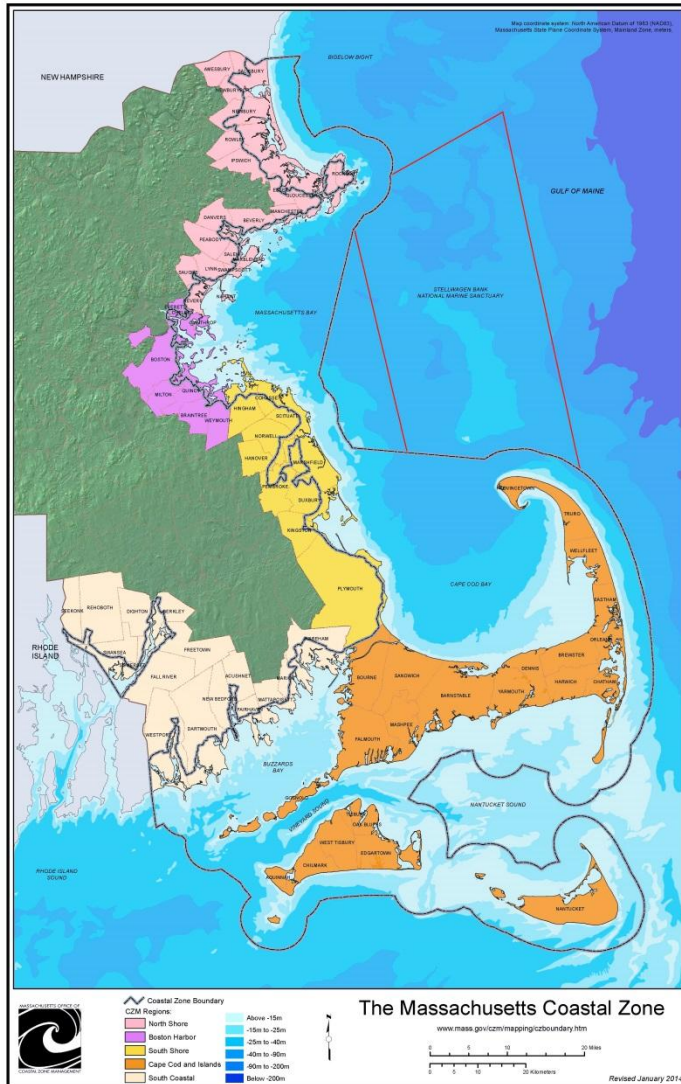
<u>Tier 2</u>		
Municipal Actions	Dates	Frequency
Contract request for Technical Assistance up to \$50k	February 2016 – April 2017	Monthly
Submit Complete Streets Prioritization Plan	March 2016 – June 2017	Monthly
MassDOT Actions		
Acceptance of Prioritization Plan	March 2016 – June 2017	Monthly

<u>Tier 3</u>		
Municipal Actions	Dates	Frequency
Submit Project Funding Application of up to 5 projects totaling \$400k or less	February 2016 – July 2016, December 2016, March 2016	Monthly Quarterly
Contract request for Project Funding up to \$400k	March 2016 – August 2016, December 2016, March 2017*	Monthly Quarterly
MassDOT Actions		
Review and approve projects for funding	June 2016 – August 2016, December 2016, March 2017	Monthly Quarterly



(* If Contract is requested in March of 2017 and NTP granted May 2017 it leaves 1 month for construction. Municipality may opt to submit for funding in following Fiscal Year)

CZM Coastal Resilience Grant Program



- Eligible projects must fall under one (or more) of the following five categories:
 1. **Vulnerability and Risk Assessment**
 2. **Public Education and Communication**
 3. **Local Bylaws, Adaptation Plans, and Other Management Measures**
 4. **Redesigns and Retrofits**
 5. **Natural Storm-Damage Protection Techniques**
- Eligible Entities: 78 Coastal Communities
- Proposals due: May or Early June
- 25% match required
- Cannot cross fiscal year; awards announced August, projects complete by June 30th

CZM Coastal Resilience Grant Program

- Project Examples:
 - Coastal Structure and Beach Nourishment Design and Massachusetts Environmental Policy Act Compliance (\$133,000)
 - Enhancement and Stabilization of Natural Cobble Shoreline at Canoe Beach (\$202,950)
 - Sawmill Brook Culvert and Green Infrastructure Analysis - Vulnerability and Required Capacity under Climate Change (\$194,550)
 - Designing for the Rising Tide: A Climate Change Preparedness Competition for Boston Harbor (\$86,000)

MassDEP Section 319 Nonpoint Source Competitive Grants Program

- Project Requirements
 - Address the prevention, control, and abatement of nonpoint source (NPS) pollution
 - Must address activities that are identified in the Massachusetts NPS Management Plan
 - 40% non-federal match required
- Eligible entities: Massachusetts public or private organization
- RFR usually published in **March**, proposals due in **June**
- Project cannot be required under a permit or consent degree, cannot fund permit compliance
- Project can cross fiscal year

MassDEP Section 319 Nonpoint Source Competitive Grants Program *Project Examples*

- Boston Green Alley
- Watertown Edenfield Green Street



Funding: \$297,776 (US EPA) UNFUNDING:
\$234,544 (City of Boston)

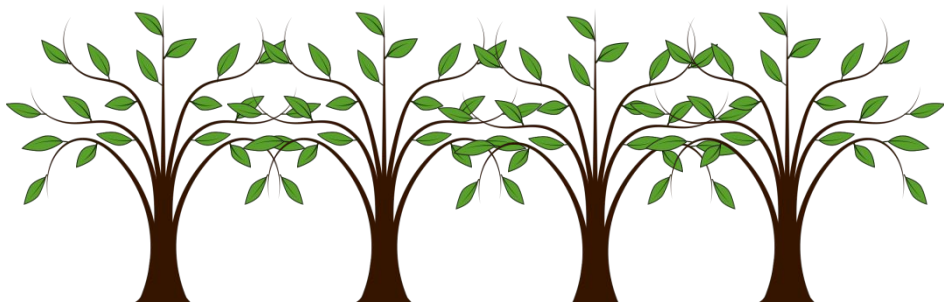


Funding: \$194,648 (US EPA)
\$816,900 (Project Partners)

DOER Green Communities Program

The Green Communities Designation and Grant Program helps municipalities navigate and meet the five criteria required to become a Green Community, in turn qualifying them for grants that finance additional energy efficiency and renewable energy projects at the local level.

1. Provide as-of-right siting in designated locations for renewable/alternative energy generation, research & development, or manufacturing facilities.
2. Adopt an expedited application and permit process for as-of-right energy facilities.
3. Establish an energy use baseline and develop a plan to reduce energy use by twenty percent (20%) within five (5) years.
4. Purchase only fuel-efficient vehicles.
5. Set requirements to minimize life-cycle energy costs for new construction; one way to meet these requirements is to adopt the new Board of Building Regulations and Standards (BBRS) Stretch Code.



Resources

- MassDEP 604(b), 319 and MS4 grant programs:
<http://www.mass.gov/eea/agencies/massdep/water/grants/watersheds-water-quality.html>
- Office of Coastal Zone Management grant programs:
<http://www.mass.gov/eea/agencies/czm/about-czm/jobs-and-grants/>
- EOEEA MVP Program:
<http://www.mass.gov/eea/air-water-climate-change/climate-change/massachusetts-global-warming-solutions-act/municipal-vulnerability-preparedness-program.html>
- MEMA Pre-Disaster Mitigation (PDM) Grant Program:
<http://www.mass.gov/eopss/agencies/mema/resources/grants/pdm/>
- Green Communities:
<http://www.mass.gov/eea/energy-utilities-clean-tech/green-communities/gc-grant-program/>
- MassDOT Complete Streets:
<http://www.massdot.state.ma.us/highway/DoingBusinessWithUs/LocalAidPrograms/CompleteStreets.aspx>
- MassDEP Water Management Act Grants:
<http://www.mass.gov/eea/agencies/massdep/water/grants/water-management-act-grant-program.html>