



# TOOLS + RESOURCES

Over the years, the SNEP Network has worked closely with communities in the SNEP region to help build their capacity to move their climate resilience projects to implementation. Based on the communities’ needs, **the Network has compiled a suite of tools and resources** that help support communities to advance their projects from project prioritization and planning to implementation and maintenance.

## Project Prioritization



Tools/ Resources	Purpose	Contact Information
<a href="#">Planning to Action Climate Tool</a>	This tool guides communities through the process of turning climate planning into sustainable financing of on-the-ground projects	<a href="#">Throwe Environmental</a>
<a href="#">Nature Based Solutions Mapping Tool (Mass)</a>	This tool helps communities identify where nature-based solutions (NBS) can most effectively address natural hazards and contribute to resilience planning at a local level.	<a href="#">The Nature Conservancy-Mass</a>
<a href="#">EPA Stormwater Management Optimization Tool</a>	Opti-Tool is a spreadsheet-based optimization tool designed to assist stormwater (SW) managers and consulting engineers in preparing technically sound and cost-effective watershed SW management plans to achieve needed pollutant and volume reductions more affordably from developed landscapes throughout the New England Region	<a href="#">EPA Region 1</a>

# Project and Community Planning



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<a href="#">Buffer Restoration Guide</a>	This guide is intended to assist public and private property owners in RI and southeast MA who are interested in restoring and improving buffers along a river, pond, lake or the coast.	<a href="#">Elizabeth Scott Consulting</a>
<a href="#">Bylaw Review Tool (Mass.)</a>	The Bylaw Review Tool allows you to compare local land use regulations with best practices.	<a href="#">Mass Audubon</a>
<a href="#">Step-by-Step Instructions on How to Use the Bylaw Tool</a>	The analysis framework in the Bylaw Review Tool is designed to assist communities in applying cost-effective low impact development (LID) techniques.	
<a href="#">LID Checklist (Rhode Island)</a>	The self-assessment allows an in-depth review of the standards, ordinances, and regulations that shape development in your community, which directly influences the health and quality of land and water resources.	<a href="#">URI-NEMO</a>
<a href="#">Hydrologic Response Units (HRU) Mapping</a>	SNEP Network Partner, Cape Cod Commission, developed a methodology that used state-wide publicly available GIS layers for land use, land cover, and soil type to determine Hydrologic Response Units (HRUs).	<a href="#">Cape Cod Commission</a>
<a href="#">MAPC Resource Library for Language for Bylaw/Ordinance Changes</a>	Regulatory language and policies specifically crafted to address climate risk are still relatively uncommon. This resource highlights regulatory language and policy examples from MAPC's 101 communities and beyond.	<a href="#">Metropolitan Area Planning Council</a>
<a href="#">MassMapper (Formerly OLIVER)</a>	MassMapper is an interactive map that allows the user to see the maps and can choose from hundreds of map layers to create a map most relevant for their needs. MassMapper not only displays the map information, but also allows users to query for information about individual features on the map.	<a href="#">MASS GIS</a>

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<a href="#">RIDOT SW Mapper</a>	This is the Rhode Island Department of Transportation office's Stormwater public facing map used for Stormwater Control Plan tracking and submissions. Use the RIDOT Stormwater Program Web Map to determine Waterbody IDs (Row A) and Waterbodies (Row B) intersecting the project limits.	<a href="#">Rhode Island Department of Transportation</a>
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## Design + Engineering



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<a href="#">Stormwater Retrofit Manual</a>	The manual takes practitioners through the fundamental approach for retrofit, sizing, design and performance characterization, an introduction of performance curves and stormwater control measure design criteria including detailed sizing requirements and guidance.	<a href="#">UNH Stormwater Center</a>
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<a href="#">Tree Trench Options Guide</a>	This Guide is a tool to assist with the design process given specific stormwater objectives, site context, aesthetics, tree health, and maintenance capabilities. It is intended to encourage a creative, multi-functional design approach specific to each project's needs, goals, and budget.	<a href="#">Stormwater Innovation Center</a>
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<a href="#">EPA's BMP Accounting and Tracking Tool (BATT)</a>	BATT is a spreadsheet-based tool that provides accounting, tracking, and reporting for pollutant load reduction. The tool allows for aggregate, summary reporting for compliance with MS4 permit requirements.	<a href="#">UNH Stormwater Center</a>
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<a href="#">Emerging Stormwater Technologies in RI Jellyfish Filters</a>	This webinar provided an overview on the process of selecting and designing a proprietary stormwater treatment device for permitting in Rhode Island, with a focus on the Jellyfish Filter.	<a href="#">Stormwater Innovation Center</a>
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<a href="#">Emerging Stormwater Technologies in Rhode Island: Focalpoint</a>	This webinar introduces FocalPoint, an on-line stormwater BMP that utilizes regionally acceptable vegetation planted in a high-flow rate biofiltration media layer. The system treats stormwater pollutants such as total suspended solids (TSS), nutrients, metals and bacteria.	<a href="#">Stormwater Innovation Center</a>
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## Funding + Financing



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<a href="#">Navigating the Federal Funding Landscape: A Guide for Communities</a>	This guide provides a snapshot of more than 20 major federal funds that support local environmental and climate-related priorities.	<a href="#">New England Environmental Finance Center</a>
<a href="#">Funding and Financing: Inventory, Webinars and Contact Information</a>	<p>The SNEP Network created a clearinghouse of federal, state, and philanthropic grant opportunities relative to stormwater/watershed management, ecological restoration and climate resilience. The grant funding list includes detailed information about the funding source, match requirements, type of funding, eligibility, time frame, funds available and how to apply.</p> <p>This webpage also features webinars that introduce key funding opportunities for Rhode Island and Massachusetts.</p>	<a href="#">SNEP Network</a>
<a href="#">Financing 101</a>	What is stormwater financing? Check out this webinar to learn about how stormwater programs are managed, the basics of setting stormwater utility fees, and examples of stormwater program implementation. This webinar will also cover the legislation in Southeast New England that enables communities to establish stormwater utility programs.	<a href="#">University of North Carolina Finance Center-UNC EFC</a>
<a href="#">MAPC Stormwater Financing/Utility Starter Kit</a>	MAPC and project partners developed a Stormwater Utility/Funding Starter Kit to help municipalities take control of local water quality issues via a long-term funding source for stormwater mgt.	<a href="#">Metropolitan Area Planning Council</a>
<a href="#">Massachusetts and Rhode Island Grant Funding Workshops</a>	These funding workshop webinars introduced RI and MA communities to key funding opportunities. After hearing presentations from the funders, participants were able to talk directly to funding agency representatives about their projects.	<a href="#">SNEP Network</a>

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## Implementation



[Stormwater Innovation Center](#)

The goal of the Stormwater Innovation Center is to demonstrate to communities throughout Rhode Island and Southeast New England strategies for improving urban water quality and associated wildlife habitat through the use of innovative green stormwater practices.

[Stormwater Innovation Center](#)

## Maintenance



[Green Stormwater Project Construction Oversight](#)

This webinar describes the key phases for construction of stormwater practices, highlighting strategies that project managers can use to ensure proper installation.

[Stormwater Innovation Center](#)

[Maintaining Green Stormwater Infrastructure](#)

This webinar gives an overview of GSI function and maintenance issues, how design and construction decisions affect future maintenance, lessons learned from the field and the importance of routine inspections and tracking changes over time.

[Stormwater Innovation Center](#)

## CASE STUDIES:

- [Mass ECAN Case studies website \(hosted by BSLA\)](#)
- [EPA Green Streets Handbook](#)
- [Selecting urban trees for SW & canopy cover](#)
- [Maidford River Restoration Project Case Study: Collaborative Approach to Watershed Scale Restoration Using Nature Based Solutions](#)

## Other Tools

- [Integrated Planning \(SW, drinking, sewer\)](#)