

Financing Source

Water Protection



Environmental Finance Center – www.efc.umd.edu/

This organization, located in Falmouth, Maine, works with communities to develop innovative funding and financing strategies for environmental and community development projects. The Center is supported through a partnership with the U.S. Environmental Protection Agency. This list of funding sources was prepared by the Center.

The Center's *Guidebook of Financial Tools* provides a wide-ranging list of funding and financing methods, assembled to assist those faced with the challenge of paying for sustainable environmental systems (www.epa.gov/efinpage/guidbkpdf.htm).

Environmental Systems Research Institute (ESRI) – www.esri.com/grants/

ESRI's grant program, Community Development/Public Works Grants for Livable Communities, designed to foster and support the integration of GIS technology within community development agencies throughout the United States. The awards provide software solutions, data, and training to local governments and communities for projects for a host of applications that include environmental protection and utilities.

EPA Catalog of Federal Funding Sources for Watershed Protection – <http://cfpub.epa.gov/fedfund/>

A searchable database of financial assistance sources (e.g., grants, loans, cost-sharing) available to fund a variety of watershed protection projects.

Directory of Watershed Resources, Environmental Finance Center, Boise State University – <http://sspa.boisestate.edu/efc/>

A searchable database of funding sources to assist communities and watershed groups in finding creative funding solutions to support their own plans for environmental protection.

EPA Drinking Water State Revolving Fund (DWSRF)

The Safe Drinking Water Act, as amended in 1996, established the Drinking Water State Revolving Fund (DWSRF) to make funds available to drinking water systems to finance infrastructure improvements. The program also emphasizes providing funds to small and disadvantaged communities and to programs that encourage pollution prevention as a tool for ensuring safe drinking water.

Federal	(800) 426-4791	http://www.epa.gov/safewater/dwsrf.html
Connecticut	(860) 509-7333	http://www.dph.state.ct.us/BRS/Water/DWD.htm
Maine	(207) 287-5684	http://www.state.me.us/dhs/eng/water/srf.htm
Massachusetts	(617) 292-5523	http://www.mass.gov/dep/brp/mf/dwsrf.htm
New Hampshire	(603) 271-0655	http://www.des.state.nh.us/dwspp/grants.htm
Rhode Island	(401) 222-6867	http://www.ricwf.state.ri.us/
Vermont	(802) 241-3400	http://www.vermontdrinkingwater.org/

EPA Clean Water State Revolving Fund (CWSRF or 319 grant funding)

Clean Water State Revolving Fund (CWSRF) programs provided an average of \$3.8 billion over the past five years in low interest loans to fund water quality protection projects for wastewater treatment, nonpoint source pollution control, and watershed and estuary management.

Federal	(202) 564-0752	http://www.epa.gov/owmitnet/cwfinance/cwsrf/
Connecticut	(860) 424-3746	http://dep.state.ct.us/wtr/cwa/cwfund.htm
Maine	(207) 287-3901	http://www.state.me.us/dep/blwq/docgrant/319.htm
Massachusetts	(617) 292-5800	http://www.mass.gov/dep/brp/mf/cwsrf.htm
New Hampshire	(603) 271-3448	http://www.des.state.nh.us/wwe/srf.htm
Rhode Island	(401) 453-4430 ext10	http://www.ricwf.state.ri.us/
Vermont	(802) 241-3742	http://www.vermontdrinkingwater.org/

On-site Wastewater Management Funding Resources

- *Federal Funding Sources for Small Community Wastewater Systems* (EPA 832-F-97-004)
- *Fact Sheet: Funding Decentralized Wastewater Systems Using the Clean Water State Revolving Fund* (EPA 832-F-03-003)
- *Fact Sheet: Clean Water State Revolving Fund Program* (EPA 832-F-96-003)
- *Fact Sheet: Rural Community Assistance Program (RCAP) Help for Small Community Wastewater Projects* (EPA 832-F-97-003)

Rural Utility Service (RUS) - Water and Environmental Programs - <http://www.usda.gov/rus/water/index.htm>

Water and Environmental Program (WEP) provides loans, grants and loan guarantees for drinking water, sanitary sewer, solid waste and storm drainage facilities in rural areas and cities and towns of 10,000 or less. WEP also makes grants to nonprofit organizations to provide technical assistance and training to assist rural communities with their water, wastewater, and solid waste problems.

Rural Community Assistance Program (RCAP) - <http://www.rcap.org/programs/sdwap.html>

Provides technical assistance grants to rural communities with population of 10,000 or less. Relevant projects include watershed surveys, delineation of wellhead protection areas, inventories of existing land uses and potential risks to water supplies and designation of land use controls to minimize the risks of resource degradation from future development.

Natural Resources Conservation Service (NRCS) - <http://www.nrcs.usda.gov/programs/>

Provides assistance in a partnership effort to help people conserve, maintain, and improve our natural resources and environment. Three such programs include: Watershed Protection and Flood Prevention Program; Resource Conservation and Development Program; and Community Planning Initiatives.

Model Ordinances to Protect Local Resources - <http://www.epa.gov/owow/nps/ordinance/>

A U.S. EPA Web site that provides ordinances, BMPs, and links with the Local Government Environmental Assistance Network.

Non-Regulatory Tools for Watershed Management - <http://www.horsleywitten.com/>

The Horsley Witten Group's Sustainable Environmental Solutions Web site. What types of approaches are available? Which are the most effective? Click on publications, look at the non-regulatory tools pdf. There is a chart that lists education/outreach tools and their effectiveness.

Resources for Source Water Protection

Please note that all U.S. EPA program Web sites include links to other related Web sites.

Source Water Protection

Federal and State Source Water Programs

U.S. EPA Region 1 <http://www.epa.gov/region1/topics/water/drinkwater.html>

U.S. EPA National <http://www.epa.gov/safewater/>

Connecticut (860) 509-7333 http://www.dph.state.ct.us/BRS/water/Source_Protection/source_protection.htm

Maine (207) 287-2070 <http://www.state.me.us/dhs/eng/water/>

Massachusetts (617) 292-5770 <http://www.mass.gov/dep/brp/dws/dwshome.htm>

New Hampshire (603) 271-3139 <http://www.des.state.nh.us/dwspp>

Rhode Island (401) 222-7769 <http://www.health.ri.gov/environment/dwq/swap/index.php>

Vermont (800) 823-6500 or (802) 241-3400 <http://www.vermontdrinkingwater.org/swapp.htm>

Non-Regulatory Tools for Watershed Management – <http://www.horsleywitten.com/>

Horsley Witten Group: Sustainable Environmental Solutions. What types of approaches are available? Which are the most effective? Click on publications, look at the nonregulatory tools pdf. A chart lists education/outreach tools and their effectiveness.

Report: *Protecting the Source* – <http://www.tpl.org/>

Part of an ongoing effort by the Trust for Public Land and the American Water Works Association to promote land conservation as a critical approach to drinking water protection. *Protecting the Source*, authored by Caryn Ernst, explores scientific, economic, and public health rationales for using land conservation for drinking water protection and presents best practices for successful implementation locally.

Source Water Stewardship: A Guide to Protecting and Restoring Your Drinking Water – <http://www.cwn.org/cwn/>

The Clean Water Network teams up with Clean Water Action and the Campaign for Safe and Affordable Drinking Water to link watershed and drinking water source protection in the hearts and minds of activists around the country.

Getting In Step: A Guide for Conducting Watershed Outreach Campaigns EPA 841-B-03-002 –

<http://www.epa.gov/owow/watershed/outreach/documents/>

The Getting In Step watershed outreach guidebook provides some of the tools you will need to develop and implement an effective watershed outreach plan. If you're a watershed practitioner trained in the sciences, this manual will help you address public perceptions, promote management activities, and inform or motivate stakeholders.

Getting In Step: Engaging and Involving Stakeholders in Your Watershed –

<http://www.epa.gov/owow/watershed/outreach/documents/>

This document is a companion to Getting In Step: A Guide for Conducting Watershed Outreach Campaigns. This stakeholder guide provides the tools needed to effectively identify, engage, and involve stakeholders throughout a watershed to restore and maintain healthy environmental conditions.

The Rhode Island Source Water Assessment Program: A Model for Public Education and Participation, The Land Use Inventory –

http://www.uri.edu/ce/wq/program/html/SWAP_LUInv.htm

The Cooperative Extension at URI prepared this packet of information on conducting a source water protection land use inventory.

Source Water Assessments for Rhode Island's Major Community Drinking Water Supplies –

<http://www.uri.edu/ce/wq/program/html/SWAP.html>

The Cooperative Extension at URI information on community-based drinking water protection at the source approach using Geographic Information Systems.

Community Rules: A New England Guide to Smart Growth Strategies –

<http://www.clf.org/general/index.asp?id=347>

Written by the Conservation Law Foundation and the Vermont Forum on Sprawl, the guidebook is for volunteer board members, planners, concerned citizens, and others who want to achieve smart growth in their communities through better planning, zoning, and permitting. Community Rules is accessible and authoritative, and is chock-full of examples of communities in New England and elsewhere that have laid the groundwork for smart growth through sensible planning, zoning and other strategies.

Electronic environmental ordinance files currently available for New England states.

Ordinances for the State of Massachusetts –

<http://www.epa.gov/safewater/protect/gwpos/ordma.htm>

Ordinances for the State of Maine –

<http://www.epa.gov/safewater/protect/gwpos/ordme.htm>

Ordinances for the State of New Hampshire –

<http://www.epa.gov/safewater/protect/gwpos/ordnh.htm>

Ordinances for the State of Vermont –

<http://www.epa.gov/safewater/protect/gwpos/ordvt.htm>

Fuel Storage Tanks**Federal and State Underground Storage Tank Programs**

U.S. EPA Region 1 <http://www.epa.gov/nel/topics/cleanup/ustorage.html>

U.S. EPA National <http://www.epa.gov/oust>

Connecticut (860) 424-3374 <http://www.dep.state.ct.us/wst/ust/indexust.htm>

Maine (207) 287-7800 <http://www.maine.gov/dep/rwm/usts/index.htm>

Massachusetts

UST (978) 567-3100 <http://www.mass.gov/dfs/osfm/fireprevention/ust/index.htm>

LUST (617) 292-5851 <http://www.mass.gov/dep/bwsc/bwschome.htm>

New Hampshire (603) 271-3644 UST: <http://www.des.state.nh.us/orcb/ustprog.htm>

LUST: http://www.des.state.nh.us/orcb/irs_intro.htm

Rhode Island (401) 222-2797 <http://www.state.ri.us/dem/programs/benviron/waste/index.htm>

Vermont

UST (802) 241-3882 <http://www.anr.state.vt.us/decl/wastediv/ust/home.htm>

LUST (802) 241-3876

Decentralized Wastewater

Federal and State Decentralized Wastewater Management Programs

U.S. EPA Region 1		http://cfpub.epa.gov/owm/septic/contacts.cfm?type=region
U.S. EPA National		http://cfpub.epa.gov/owm/septic/home.cfm
Connecticut	(860) 509-7296	http://www.dph.state.ct.us/BRS/sewage/sewage_programtext.htm
Maine	(207) 287-5689	http://www.state.me.us/dhs/eng/plumb/index.html
Massachusetts		http://www.mass.gov/dep/brp/wwm/t5pubs.htm
Northeast Region	(617) 654-6500	
Southeast	(508) 946-2700	
Central	(508) 792-7650	
Western	(413) 784-1100	
New Hampshire	(603) 271-3501	http://www.des.state.nh.us/ssb/
Rhode Island	(401) 222-3961	http://www.state.ri.us/dem/programs/benviron/water/index.htm
Vermont	(802) 241-3822	http://www.anr.state.vt.us/dec/ww/wwmd.cfm

U.S. EPA

- *Handbook for Management of On-site and Clustered (Decentralized) Wastewater Treatment Systems* (EPA 832-D-03-001)
- *Voluntary National Guidelines for Management of On-site and Clustered (Decentralized) Wastewater Treatment Systems* (EPA 832-B-03-001)
- *A Homeowner's Guide to Septic Systems* (long version – EPA 832-B-02-005)
http://www.epa.gov/owm/septic/pubs/homeowner_guide_long.pdf;
(short version – EPA 832-B-02-006)
http://www.epa.gov/owm/septic/pubs/homeowner_guide_short.pdf
- *Homeowner Septic System Checklist* (EPA 832-F-03-006)
http://www.epa.gov/owm/septic/pubs/septic_sticker.pdf
- *Wastewater Treatment Programs Serving Small Communities* (EPA 832-R-02-004)
- *It's Your Choice: A Guidebook for Local Officials on Small Community Wastewater Management Options* (EPA 430987006)

Hazardous Materials

Federal and State RCRA Programs

U.S. EPA Region 1		http://www.epa.gov/region01/topics/cleanup/rcra.html
U.S. EPA National		http://www.epa.gov/rcraonline/
Connecticut	(888) 424-4193	http://www.dep.state.ct.us/wst/index.htm
Maine	(207) 287-2651	http://www.maine.gov/dep/rwm/index.htm
Massachusetts	(617) 292-5753	http://www.mass.gov/dep/bwp/bwpprogs.htm
New Hampshire	(603) 271-2942	http://www.des.state.nh.us/HWCS/
Rhode Island	(401) 222-6800	http://www.state.ri.us/dem/programs/benviron/waste/index.htm
Vermont	(802) 241-3888	http://www.anr.state.vt.us/dec/wastediv/rcra/rcrahome.htm



Managing Household Hazardous Waste

Household hazardous waste (HHW) is generated in every community and is likely to end up in solid waste facilities (e.g., sanitary landfills, incinerators), municipal sewers, septic tanks, or be released directly into the environment unless provisions are made to manage it separately from other wastes. Households generate wastes such as unused paints and stains, old pesticides, cleaning products, drain cleaners, swimming pool chemicals, and mothballs. Such wastes are exempt from RCRA because of the household hazardous waste exemption.

Small amounts of some wastes can do a lot of harm to a water supply. For example, one mercury thermometer can contaminate up to 25,000 gallons of water. U.S. EPA encourages communities to take steps to prevent contamination of drinking water supplies by properly disposing of household hazardous wastes. These steps include:

- sponsoring a community HHW collection day
- constructing a permanent collection facility that would enable communities to regularly collect household hazardous waste
- building a paint and stain collection facility (paint products comprise 30-50 percent of the total HHWs collected in New England communities).

In New England, the average amount of hazardous waste diverted through a community program is 10-20 gallons per household per

collection. For a community of 10,000 residents with a participation rate of 200 households, 2,000 to 4,000 pounds of HHW are collected during each event.

For More Information

Each New England state has a different infrastructure in place for managing household hazardous waste collection. For more information, call the following number at your state environmental protection agency:

Connecticut Department of Environmental Protection
(860) 424-3242

Maine Department of Environmental Protection
(207) 287-7703

Massachusetts Department of Environmental Protection
(617) 292-5704

New Hampshire Department of Environmental Services
(603) 271-2047

Rhode Island Department of Environmental Management
(401) 222-3872, ext. 7143

Vermont Department of Environmental Conservation
(802) 241-3472

Guide to Using Municipal Hazardous Waste Collection Programs for New Hampshire Small Quantity Generators – <http://www.nerc.org/documents/gdhzdwstnh02-04.html>

Published by the Northeast Recycling Council (NERC), this guide is a starting point for understanding municipal household hazardous waste collection programs.

Stormwater

Federal and State Stormwater Programs

U.S. EPA Region 1	http://www.epa.gov/region01/npdes/stormwater/administration.html
U.S. EPA National	http://cfpub.epa.gov/npdes/stormwater/swphases.cfm#phase2
Connecticut	(860) 424-3020 http://dep.state.ct.us/wtr/stormwater/stormwtrindex.htm
Maine	(207) 287-5404 http://www.state.me.us/dep/blwq/docstand/stormwater/
Massachusetts	(508) 849-4005 http://www.mass.gov/dep/brp/stormwtr/stormhom.htm
New Hampshire	(603) 271-2984 http://www.des.state.nh.us/StormWater/
Rhode Island	(401) 222-6800 http://www.state.ri.us/dem/programs/benviron/water/permits/ripdes/stwater/index.htm
Vermont	(802) 241-3770 or http://www.anr.state.vt.us/dec/waterq/stormwater.htm (802) 241-3777

U.S. EPA Stormwater Phase II Final Rule Fact Sheet Series –
<http://cfpub2.epa.gov/npdes/stormwater/swfinal.cfm>

A series of 14 fact sheets covering the small MS4 program, minimum control measures, and permitting.

Model Ordinances to Protect Local Resources: Stormwater Control Operation & Maintenance –

<http://www.epa.gov/owow/nps/ordinance/stormwater.htm>
Includes model ordinance language that focuses primarily on the maintenance of stormwater BMPs, and includes the elements of design, routine maintenance, and inspections.

Low Impact Development (LID) Center –

<http://www.lowimpactdevelopment.org/publications.htm>
A non-profit organization established to develop and provide information to individuals and organizations dedicated to protecting the environment and our water resources through proper site design techniques that replicate pre-existing hydrologic site conditions. The site includes the following:

- **Low Impact Development (LID) - Urban Design Tools –**
<http://www.lid-stormwater.net/>
Provides watershed managers with a new set of tools and techniques that can be used to meet regulatory and receiving water protection program goals for urban retrofits, re-development projects, and new development sites.
- **Introduction to Low Impact Development (LID) –**
<http://www.lid-stormwater.net/intro/background.htm>



Federal and State UIC Programs

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| U.S.EPA | http://www.epa.gov/safewater/uic/pdfs/fact_class5_stormwater.pdf
http://www.epa.gov/safewater/uic/classv.html
http://www.epa.gov/safewater/uic.html |
| Connecticut | http://dep.state.ct.us/wtr/index.htm |
| Massachusetts | http://www.mass.gov/dep/brp/dws/uic.htm |
| Maine | http://www.state.me.us/dep/blwq/docstand/uic/uichome.htm |
| New Hampshire | http://www.des.state.nh.us/dwspp/gwdisch.htm |
| Rhode Island | http://www.state.ri.us/dem/programs/benviron/water/permits/uic/index.htm |
| Vermont | http://www.anr.state.vt.us/declw/uic.htm |



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