



## Creating a Revenue Stream for Stormwater Management April 2016

# Stormwater Funding Resources v. 2

This handout includes links to the following kinds of information:

1. **About Stormwater Funding in General**
2. **Stormwater Fees and Utilities**
3. **Grants and Loans**
4. **Examples and Case Studies**

You can also find this sheet on the Massachusetts Rivers Alliance website ([www.massriversalliance.org](http://www.massriversalliance.org)), with clickable links. We hope this information is helpful to you.

## 1. About Stormwater Funding in General

U.S. EPA Region 1, *Funding Stormwater Programs*, Factsheet, April 2009. Overview of issues and resources, with New England case studies.

<http://water.epa.gov/infrastructure/greeninfrastructure/upload/FundingStormwater.pdf>

MWRA Advisory Board #Muniworks Workshop, *Retail Rates and Stormwater Funding Mechanisms* [video-recorded] <http://mwraadvisoryboard.com/resources/muniworks/>

Merrimack Valley Stormwater Collaborative, *A Quick Reference for Defining and Funding Your Municipal Stormwater Program*, Prepared by Horsley Witten Group, Inc. June 2015.

<http://www.merrimackvalleystormwater.org/wp-content/uploads/2015/01/MVPC-Guide-to-Defining-Funding-SW-Program-2.pdf>

Environmental Finance Centers Stormwater Programs:

- EFC Univ. of Maryland <http://efc.umd.edu/stormwater.html>
- EFC Univ. of N. Carolina <http://www.efc.sog.unc.edu/programs/stormwater-wetlands-and-watersheds>

Environmental Finance Center, Univ. of Maryland, *Local Government Stormwater Financing Manual: A Process for Program Reform*, January 2014

<http://efc.umd.edu/localgovernmentstormwaterfinancingmanual.html>

Environmental Finance Center, Univ. of North Carolina, *Innovative Financing Approaches for Stormwater and Green Infrastructure*, Cooperative Agreement with U.S. EPA, Project Website:

<http://www.efc.sog.unc.edu/project/innovative-financing-approaches-stormwater-and-green-infrastructure>

Central Massachusetts Regional Planning Commission (CMRPC),  
[http://www.cmrpc.org/sites/default/files/Documents/CDAP/stormwater%20wrap%20up\\_secured.pdf](http://www.cmrpc.org/sites/default/files/Documents/CDAP/stormwater%20wrap%20up_secured.pdf)

National Association of Flood and Stormwater Management Agencies, *Guidance for Municipal Stormwater Funding*, prepared for U.S. EPA, January 2006  
<http://water.epa.gov/polwaste/nps/upload/Guidance-Manual-Version-2X-2.pdf>

U.S. EPA, *Managing Wet Weather with Green Infrastructure: Municipal Handbook – Funding Options*, Sept. 2008, EPA-833-F-08-007. Discusses stormwater fees and loans (SRF).  
[http://water.epa.gov/infrastructure/greeninfrastructure/upload/gi\\_munichandbook\\_funding.pdf](http://water.epa.gov/infrastructure/greeninfrastructure/upload/gi_munichandbook_funding.pdf)

Joanne Throwe, Univ. of Maryland, Environmental Finance Center, *Stormwater Financing 101: Getting Started on Financing Your Stormwater Management Program*, July 9, 2013  
Presentation:  
[http://www.dep.wv.gov/WWE/Programs/stormwater/MS4/workshops/Documents/Stormwater\\_Financing-101-Joanne\\_Throwe\\_July-9-2013.pdf](http://www.dep.wv.gov/WWE/Programs/stormwater/MS4/workshops/Documents/Stormwater_Financing-101-Joanne_Throwe_July-9-2013.pdf)

Horsley Witten, *Sustainable Stormwater Funding Evaluation for the Upper Charles River Communities of Bellingham, Franklin, and Milford, MA*, prepared for U.S. EPA Region 1, September 30, 2011 [estimates costs for phosphorus TMDL compliance and recommends development of a stormwater utility, potentially inter-municipal].  
<http://www.epa.gov/region1/npdes/charlesriver/pdfs/20110930-SWUtilityReport.pdf>

National Association of Clean Water Agencies (NACWA), *Navigating Litigation Floodwaters: Legal Considerations for Funding Municipal Stormwater Programs*, 2014,  
<http://stormwater.wef.org/wp-content/uploads/2015/01/NACWAs-Navigating-Litigation-Floodwaters.pdf>

Jeff Hughes, *Methods and Strategies for Financing Green Infrastructure*, 10/31/2014,  
<http://www.efc.sog.unc.edu/reslib/item/methods-and-strategies-financing-green-infrastructure>  
[focus is on options for Durham County, NC, but has general relevance.]

U.S. EPA Webcast: *Innovative Financing for Green Infrastructure*, November 4, 2014  
<http://water.epa.gov/infrastructure/greeninfrastructure/Innovative-Financing-for-Green-Infrastructure.cfm> [slides and transcript available in archive]

U.S. EPA, *Water Infrastructure and Resiliency Finance Center* [resources on financing drinking water, wastewater and stormwater infrastructure]. <https://www.epa.gov/waterfinancecenter>

## **2. Stormwater Fees and Utilities**

Metropolitan Area Planning Council (MAPC), *Stormwater Financing/Utility Starter Kit*,  
[http://www.mapc.org/Stormwater\\_Financing](http://www.mapc.org/Stormwater_Financing)

Association to Preserve Cape Cod, *Stormwater Management* webpage [includes lists of resources and presentations from 2009 stormwater utilities workshops].

<http://www.apcc.org/stormwatermanagement/index.html>

Salem Sound Coastwatch, *How to Fund a Municipal Stormwater Program* [resources and presentation from 2009 stormwater utilities workshop].

<http://www.salemsound.org/stormwaterUtilities.html>

Massachusetts Statewide Stormwater Management Training Seminar Series: *Funding Stormwater Management (Enterprise Funds-Fees-Utilities)*, funded by Mass DEP under 319 Grant, prepared by VHB, Horsley Witten, CWP and Stacey DePasquale, 2011. Presentations posted at:

[http://projects.vhb.com/stormwaterseminars/presentations/1%20Funding%20Stormwater%20Management%20\(Enterprise%20Funds-Fees-Utilities\).pdf](http://projects.vhb.com/stormwaterseminars/presentations/1%20Funding%20Stormwater%20Management%20(Enterprise%20Funds-Fees-Utilities).pdf)

U.S. EPA Webcast, *Paying for Stormwater - The Benefits of a Utility*, August 13, 2015

<https://www.epa.gov/green-infrastructure/paying-stormwater-benefits-utility>

[emphasis on regional approaches]

Water Environment Foundation, *User-Fee-Funded Stormwater Utilities*, 2013, <https://www.wef.org/Store/ProductDetails.aspx?productId=30596698>

Charles River Watershed Association (CRWA) for the MA Coastal Zone Management (CZM), *Assessment of Stormwater Financing Mechanisms in New England*, March 30, 2007. Case studies of So. Burlington VT, Newton MA and Reading MA.

[http://www.crwa.org/hs-fs/hub/311892/file-687519663-pdf/Our\\_Work\\_/Stormwater/Municipal\\_SFM\\_Case\\_Studies\\_Repo.pdf](http://www.crwa.org/hs-fs/hub/311892/file-687519663-pdf/Our_Work_/Stormwater/Municipal_SFM_Case_Studies_Repo.pdf)

New England Environmental Finance Center, *Stormwater Utility Fees: Considerations & Options for Interlocal Stormwater Working Group (ISWG)*, May 2005

<http://efc.muskie.usm.maine.edu/docs/StormwaterUtilityFeeReport.pdf>

NEWIPCC *Stormwater Utility Workshop*, March 25, 2015. Presentations posted at

<http://www.neiwpcc.org/stormwaterutilityworkshop/presentations.asp>

Jennifer Berthiaume, Edward Quiroz, and Jennifer Ivey, “Facilitating Fees: Avoiding the pitfalls in setting stormwater utility fees while getting stakeholder support”, Water Environment Federation, *Stormwater Report*, August 11, 2015

<http://stormwater.wef.org/2015/08/facilitating-fees/>

FosterMedia, *Stormwater Program Funding: Forming a Successful Stormwater Utility*, White Paper [free report] <http://foresternetwork.com/free-reports/>

Choose Clean Water Coalition (Annapolis MD), *Stormwater Communications: Tools to help your community understand and support an effective stormwater utility plan.*

<http://chooscleanwater.org/toolkit/stormwatertoolkit.pdf>

### 3. Grants and Loans

U.S. EPA, *Catalog of Federal Funding Sources for Watershed Protection*: a searchable database of financial assistance sources (grants, loans, cost-sharing) available to fund a variety of watershed protection projects. <https://ofmpub.epa.gov/apex/watershedfunding/f?p=fedfund:1>

U.S. EPA Webcast: *Using the Clean Water Act State Revolving Fund for Nonpoint Source and National Estuary Projects*, April 17, 2012

Archived webcast: <http://www.epa.gov/owow/watershed/wacademy/archives/2012-04-17/archive/> [takes 20 secs to load]; Presentations:

<http://water.epa.gov/learn/training/wacademy/upload/webcastpresentation04172012.pdf>

Massachusetts State Revolving Fund,

<http://www.mass.gov/eea/agencies/massdep/water/grants/state-revolving-fund.html>

Clean Water Act grants administered by the MassDEP:

<http://www.mass.gov/eea/agencies/massdep/water/grants/watersheds-water-quality.html#1>

- Section 319(h) Non-Point Source Competitive Grants (for stormwater projects not required as part of a NPDES permit).
- Section 604(b) (for water quality assessment and management planning).

See Mass EOEPA *Water Grants and Loans* <http://www.mass.gov/eea/grants-and-tech-assistance/grants-and-loans/eea-grants-guide/water-grants.html> for a list of other grants and loans that might fund portions of stormwater programs.

### 4. Examples & Case Studies

Natural Resources Defense Council, *Financing Stormwater Retrofits in Philadelphia and Beyond*, February 2012 <http://www.nrdc.org/water/stormwater-financing.asp>

Western Kentucky University *Stormwater Utility Survey 2014*, C. Warren Campbell, Western Kentucky University, Bowling Green, Ky. [annual national survey of stormwater utilities] <http://www.wku.edu/engineering/civil/fpm/swsurvey/>

Black & Veatch, *2014 Stormwater Utility Survey*, [biennial national survey of stormwater utilities] <http://bv.com/docs/default-source/management-consulting-brochures/2014-stormwater-utility-survey>

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