

# Supporting Municipal Actions to Protect and Improve Water Quality

MTAAP Meeting

October 7, 2016



# Today's Agenda

- Welcome & Introductions [20 minutes]
- Update on Municipal Case Study Phase [10 minutes]
- Presentation by Scott Haag and Lin Perez from ANSP [30 minutes]
- Promising Recommendations and Activity [1.5 hours]
- Wrap Up/Announcements [5 minutes]
- Lunch



# Introductions: DVRPC Team

- Laura An
- Melissa Andrews
- Christina Arlt
- Alison Hastings
- Patty Elkis
- Chris Linn



# Introductions: MTAAP

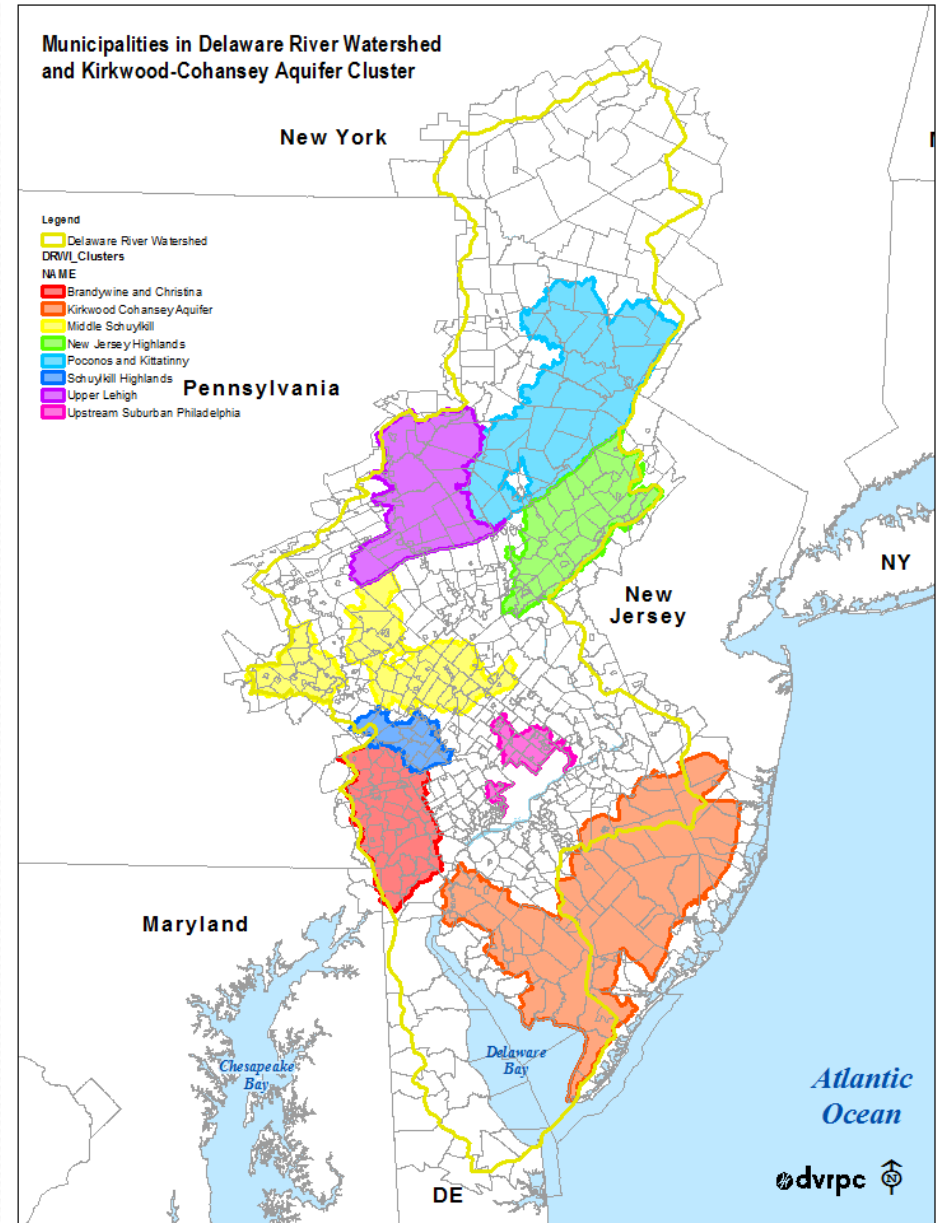


# Purpose of this Project

- Improve the ability of organizations to assist municipalities in their efforts to improve and protect water quality.
- **Main research questions:**
  - What are the barriers to, and conditions of, success for municipal-based conservation practices?
  - What municipal technical assistance services are working?
  - How can they be replicated and improved?
  - Where and how could technical assistance be more effective?

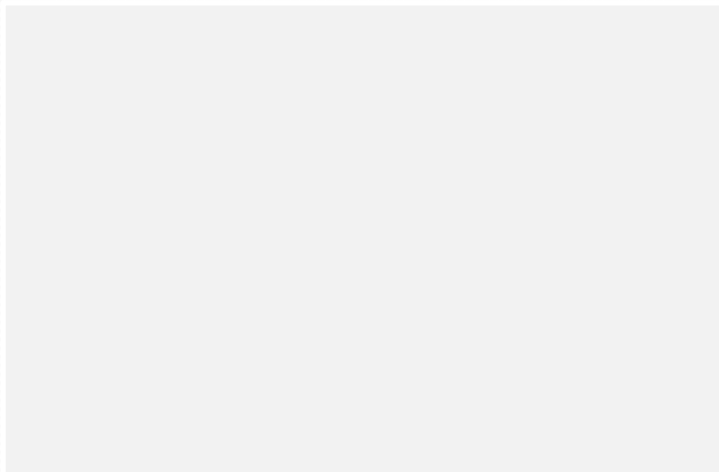
# DRWI Initiative

- 843 municipalities



# Overview of the Project to Date

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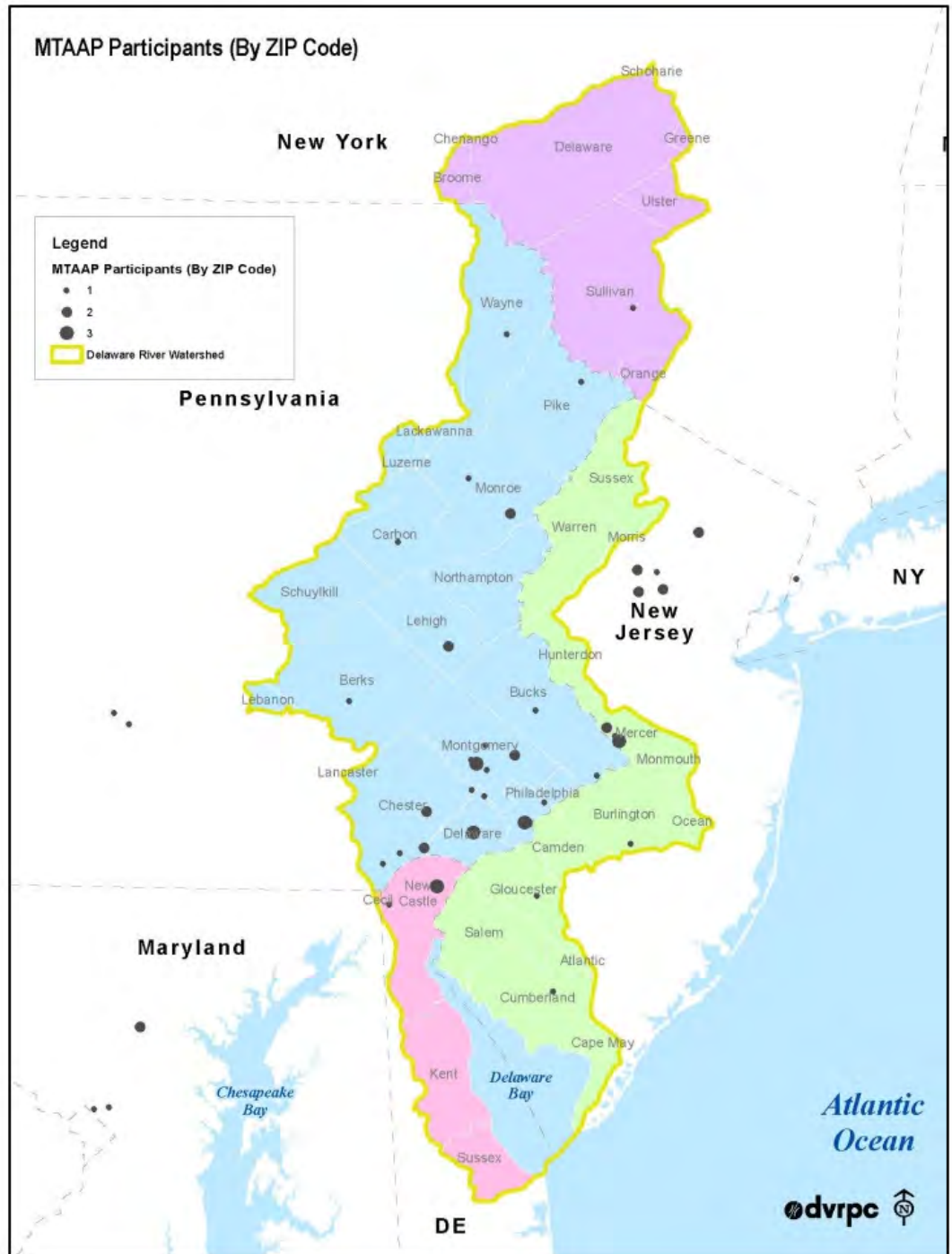
  

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# MTAAP Interviews





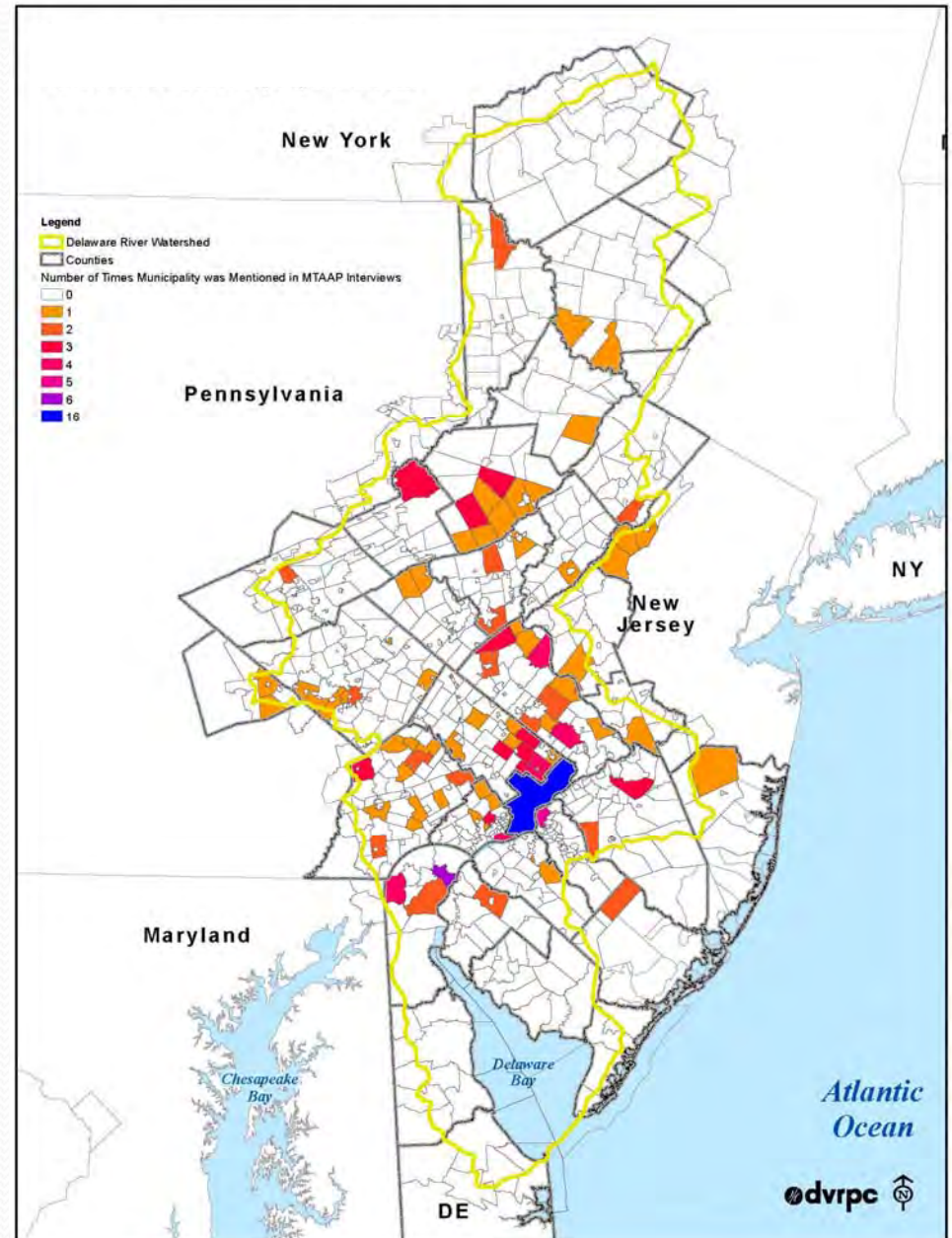


# Which municipalities should we talk to?

- Municipalities who have had success
- Municipalities who could do more
- Municipalities who have tried but failed

# Municipal Interviews

- 71 municipalities mentioned in MTAAP Interviews



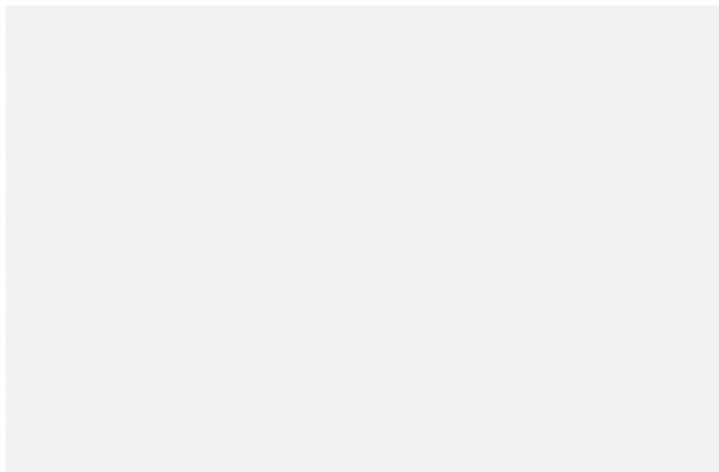


# Case Studies

- In-depth case studies (5-10 pages)
- Aiming for 20

# Overview of the Project to Date

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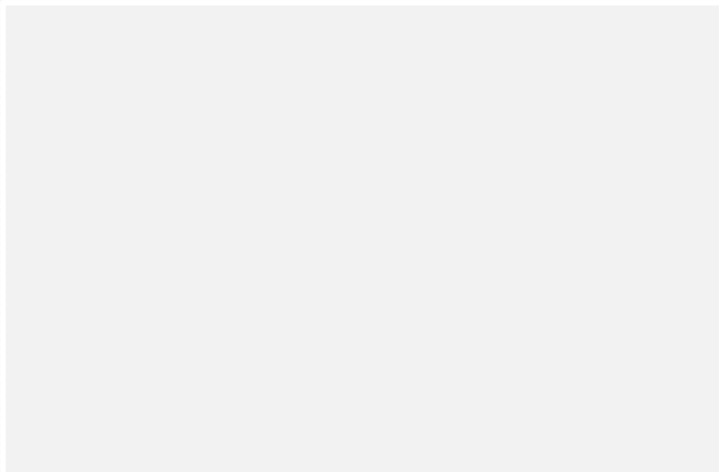


# Municipal Interviews

- Abington Township, Montgomery County
- Buckingham Township, Bucks County
- Cheltenham Township, Montgomery County
- Durham Township, Bucks County
- East Bradford Township, Chester County
- East Goshen Township, Chester County
- East Greenville Borough, Montgomery County
- Evesham Township, Burlington County
- Hamilton Township, Mercer County
- Honey Brook Township, Chester County
- Kidder Township, Carbon County
- Lambertville city, Hunterdon County
- Lebanon Township, Hunterdon County
- London Grove Township, Chester County
- Lower Gwynedd Township, Montgomery County
- Lower Moreland Township, Montgomery County
- Lower Salford Township, Montgomery County
- Lower Saucon Township, Northampton County
- Montgomery Township, Montgomery County
- Newark CCD, New Castle County
- Newtown Town, Sussex County
- Pilesgrove Township, Salem County
- Pocopson Township, Chester County
- Radnor Township, Delaware County
- Reading city, Berks County
- Richland Township, Bucks County
- Smithfield Township, Monroe County
- Solebury Township, Bucks County
- Springfield Township, Bucks County
- Stillwater Township, Sussex County
- Tredyffrin Township, Chester County
- Upper Dublin Township, Montgomery County
- Upper Uwchlan Township, Chester County
- Warrington Township, Bucks County
- Warwick Township, Chester County
- Whitpain Township, Montgomery County
- Wyomissing Borough, Berks County

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# Shortlisted Consultants



BRANDYWINE  
CONSERVANCY

CENTER FOR  
WATERSHED  
PROTECTION



**gaadt**  
perspectives



Natural Lands Trust

*land for life*



**pec**



**PHS**



**SSM**

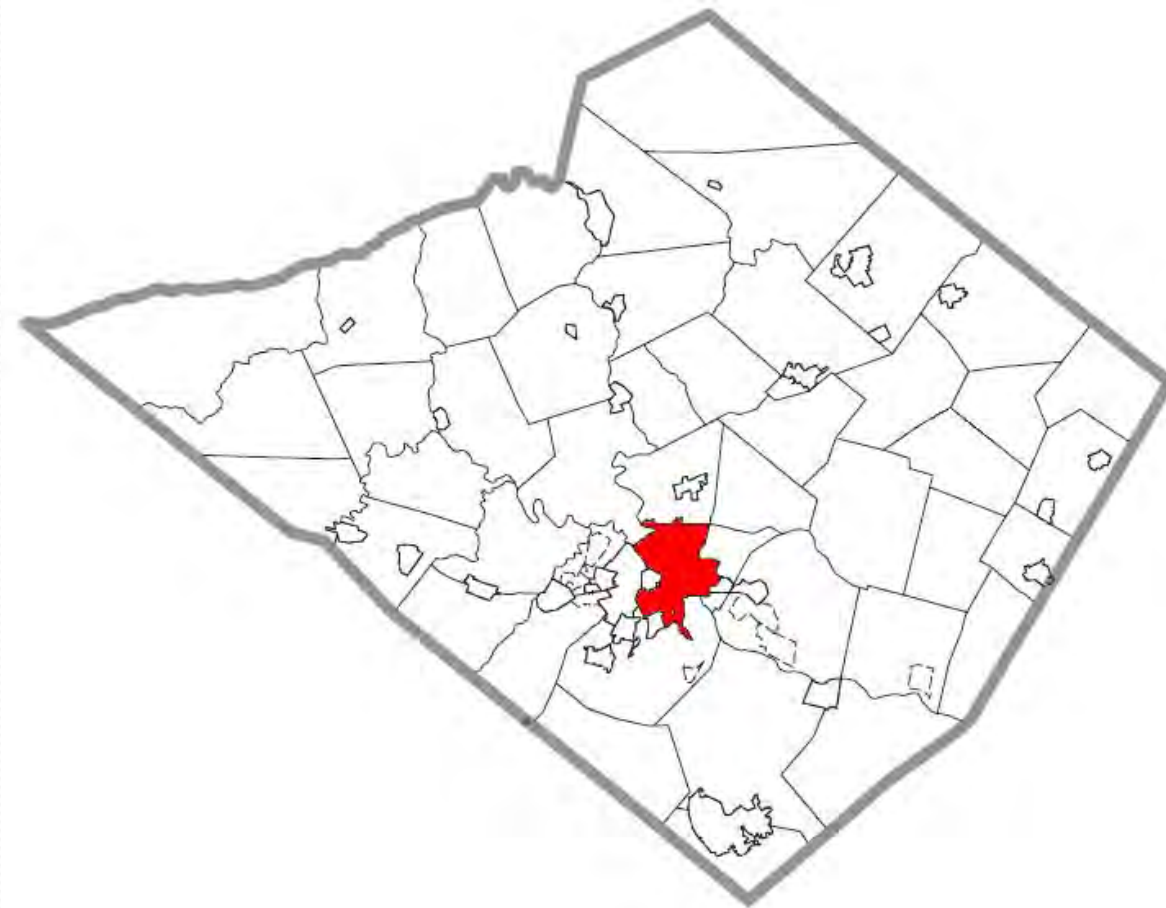


# Background Information

- Results from Preliminary Municipal Interview
- Fast Facts
  - 2010 Population
  - 2015 Population
  - Area in Square Miles
  - Water Area
  - Population Density
- Relevant Plans/Ordinances



# Reading City, Berks County, PA



[https://en.wikipedia.org/wiki/Reading%2C\\_Pennsylvania](https://en.wikipedia.org/wiki/Reading%2C_Pennsylvania)

# Kidder Township, Carbon County, PA



By I, Mtruch, CC BY-SA 3.0,  
<https://commons.wikimedia.org/w/index.php?curid=2490955>

# Lebanon Township, Hunterdon County, NJ



By Famartin - Own work, CC BY-SA 3.0,  
<https://commons.wikimedia.org/w/index.php?curid=26391067>

# Lambertville City, Hunterdon County, NJ



By Jared Kofsky/PlaceNJ.com - Own work, CC BY-SA 3.0,  
<https://commons.wikimedia.org/w/index.php?curid=21038494>

# Smithfield Township, Monroe County, PA



By Jerrye & Roy Klotz, MD - Own work, CC BY-SA 4.0,  
<https://commons.wikimedia.org/w/index.php?curid=35002351>

# Lower Saucon Township, Northampton County, PA



By JERRYE & ROY KLOTZ MD - Own work, CC BY-SA 3.0,  
<https://commons.wikimedia.org/w/index.php?curid=23434411>

# Tusten Town, Sullivan County, NY



By Evangeline.a - Own work, CC BY-SA 3.0,  
<https://commons.wikimedia.org/w/index.php?curid=16879261>

# Newark City, New Castle County, DE



CC BY-SA 3.0, <https://commons.wikimedia.org/w/index.php?curid=84034>



# East Bradford, Chester County, PA



By MyWikiBiz at English Wikipedia - Transferred from en.wikipedia to Commons by  
Premeditated Chaos using CommonsHelper., Public Domain,  
<https://commons.wikimedia.org/w/index.php?curid=17662329>

# Lower Salford, Montgomery County, PA



By Doug Kerr - originally posted to Flickr as Lederach, Pennsylvania, CC BY-SA 2.0,  
<https://commons.wikimedia.org/w/index.php?curid=10221193>

# Abington, Montgomery County, PA



Source: Abington Township

# Montgomery Township, Montgomery County, PA



# Hamilton Township, Mercer County, NJ



By Eva and Rodney Hargis - IMG\_2953Uploaded by gamweb, CC BY-SA 2.0,  
<https://commons.wikimedia.org/w/index.php?curid=23309587>

# Durham Township, Bucks County, PA



By Shuvaev - Own work, CC BY-SA 3.0,  
<https://commons.wikimedia.org/w/index.php?curid=22766502>



# Case Studies Left to Be Assigned

Municipalities
Cheltenham Township, Montgomery County, PA
Warrington Township, Bucks County, PA
Tredyffrin Township, Chester County, PA
Radnor Township, Delaware County, PA
Whitpain Township, Montgomery County, PA
Camden City, Camden County, NJ
Evesham Township, Burlington County, NJ
Pilesgrove Township, Salem County, NJ



# Project Timeline

- October 2016 – follow-up interviews if needed
- **October 31 – draft case studies due**
- November 2016 – DVRPC reviews draft case studies
- **December 31 – final case studies due**
- January 2017 – DVRPC finalizes and distributes report



# Questions?



<https://tidysurveys.com/blog/2013/11/03/survey-questions-choose-right-type-survey-questions/>



# Scott Haag and Lin Perez

THE ACADEMY  
OF NATURAL SCIENCES  
*of* DREXEL UNIVERSITY

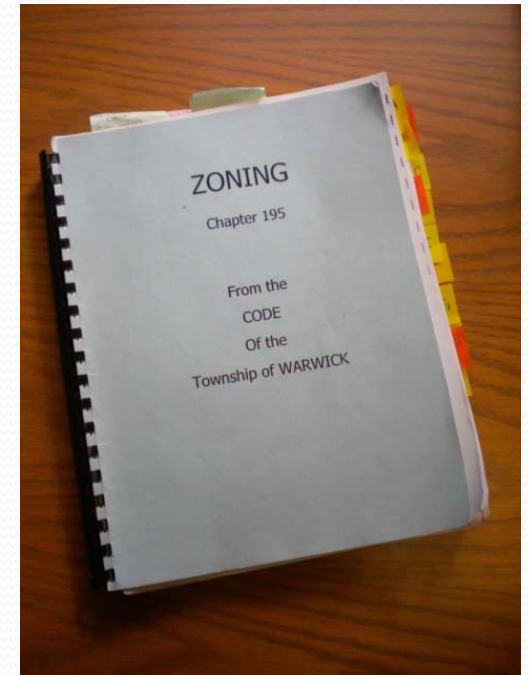
# Promising Recommendations

Project Team Members' Early Choices

Set 1

# A. Create Legal Assistance Fund

- PA and NJ Municipalities have legal right to regulate development:
  - Planning & Zoning (codification)
  - Development review and approval processes
  - Enforcement



Credit: Christina Arlt, Warwick Twp, PA

# A. Create Legal Assistance Fund

- Planning & Zoning
  - Zoning tied to comprehensive planning
  - Zoning balances right of property owner to use property without impinging upon rights of neighboring property owners AND best interest of community.
  - Threat of legal challenge can be enough to dissuade municipality to make changes



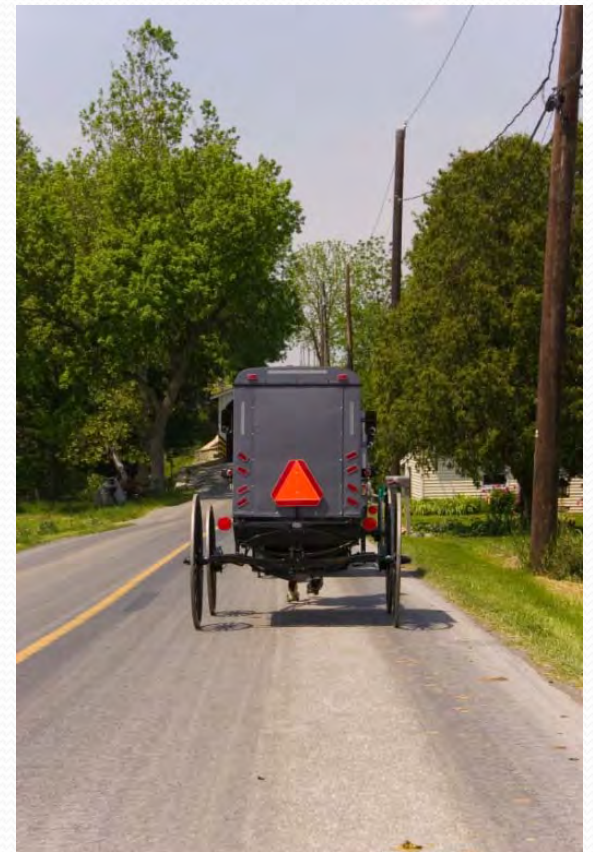
# A. Create Legal Assistance Fund

- Development reviews:
  - Municipal solicitor's opinion can be enough to dissuade municipality/board/other professional staff
- Enforcement requires
  - Available staff
  - Strong staff knowledge
  - Strong administration
  - Willingness to take legal action



# A. Create Legal Assistance Fund

- Other examples to learn from or inform recommendation?
  - Did Chester County try this with first Landscapes Comprehensive Plan?
  - Lancaster County's growth management plan (requires down-zoning in rural areas) – legal challenges?



# A. Create Legal Assistance Fund

- Lots to figure out/discuss:
  - Financial assistance for municipalities that...
  - Technical assistance for municipal solicitors that...
  - Where would funding come from...





## B. Utilize Multi-Municipal Partnerships

- Improved, transparent guidance from PADEP so municipalities know that their efforts will be approved
- Wissahickon Clean Water Partnership
  - Role of a trusted non-profit partner (WWVA)

**Own the Solution** Supporting the Intergovernmental Agreement for the Wissahickon Clean Water Partnership brings national expertise with local solutions

Wissahickon Watershed

Restoration projects include:

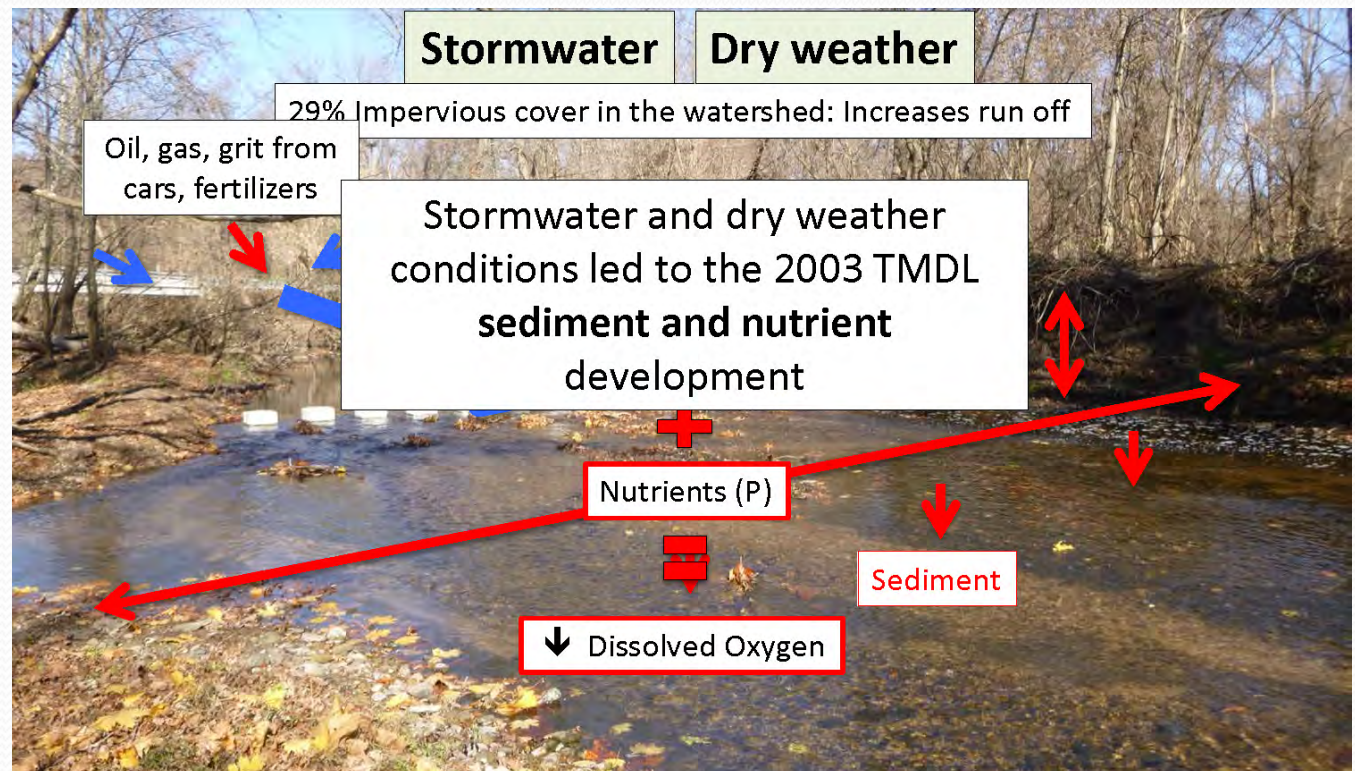
- Restore streambanks
- Reduce damaging flooding
- Protect fish and wildlife
- Return valuable public recreation areas
- Improve drinking water quality

**WISSAHICKON**  
valley  
**WATERSHED**  
ASSOCIATION

[www.wwva.org](http://www.wwva.org)

## B. Utilize Multi-Municipal Partnerships

- TMDLs and MS4 Pollution Reduction Plans





# **C. Go Where Municipalities Already Go**



Bonds

Police Union

Insurance

Road Maintenance

Crime

Workman's Comp Claims

Lawsuits

Contracts

H.R. Issues

Boards & Commissions

Emergency Management

Auditors

Municipal Pensions

School District

Parks & Recreation

Ordinances & Resolutions

Taxes

Grant Applications

State Agencies

Business Owners

Trash & Recycling

Residents

Right to Know Requests

Planning & Zoning


# Municipal Organizations



# NJLM Ordinance Library

The screenshot shows the NJLM website with a blue header. The logo features a map of New Jersey and the text "NJLM Serving Municipal Government Since 1915". Social media icons for Facebook, Twitter, LinkedIn, and YouTube are in the top right. A search box is located below the logo. A dark blue navigation bar contains the following links: Home, Services, Conference, Municipal Govt, Legislation, Publications, 100th Anniversary, and Contact Us. The main content area features a large image of a conference with a text overlay: "Forms for NJLM Annual Conference ticketed meal function events are now available!". The events listed are: Mayor's Box Luncheon, Women In Municipal Government Breakfast, and League Delegates Luncheon. A red warning states: "Seating is limited - do not be disappointed by waiting until the last minute, get your forms now!". Below the image is a navigation bar with "Bureau Home | Municipal Resources | League Services | New Jersey Facts | Legislative Advocacy". The left sidebar includes logos for Saint Peter's University, The Canning Group, Jersey Professional, and JPM Jersey Professional Management, along with a "27 YEARS 1988-2015 300 TOWNS" logo. The main content area below the navigation bar is titled "Ordinances - Categories" and includes a search box and a list of categories: All, Abandoned Property, Abandoned Property Rehabilitation Act, Affordable Housing, and Agricultural Issues.

<http://www.njslom.org/bureau/ordinances-ssa.html>



Abandoned Property  
Abandoned Property Rehabilitation Act  
Affordable Housing  
Agricultural Issues  
Alarms  
Alcoholic Beverages  
Animals  
Annual Budget for Municipalities  
Background Checks  
Bonding  
Capital Improvements  
Carbon Monoxide Detectors  
Coin Drops  
Contract Awards  
Development  
Development Regulations  
Development - Special Improvement District  
Drug Issues  
Drunk Driving Free Zone  
Economic Development  
Electronic Payment  
Emergency, Rescue Services  
Ethics  
Faulkner Act Charter Study Commission  
Fences  
Filming  
Fire Prevention  
Flag Displays  
Garbage-Solid Waste  
Graffiti  
Hand Held Lasers  
Health  
Historic Preservation  
Home Based Businesses  
Housing Issues  
Ice Retardant Systems  
Interlocal Services  
John's Law  
Kindness Month Sample Proclamation  
Land Preservation (See Open Space)  
Length of Service Awards Program (LOSAP)  
License Fees  
Lighting Nuisances  
Local Assistance Board  
Mailboxes  
Municipal Facilities for Public Use  
Municipal Fees  
Municipal Officials and Employees

Newsracks  
Noise and Nuisances  
Open Public Records  
Ordinance-Code Violations & Penalties  
Outdoor Sales & Displays  
Pay to Play  
Peddlers & Solicitors  
Pedophile Free Zones (See Sex Offender Free Zone)  
Personnel Issues  
Planning & Engineering  
Plumbing  
Police and Fire  
Pools  
Professional Service Contracts  
Property Issues (See also Sidewalks and Rental Properties)  
Public Meetings  
Public Safety  
Recreation  
Recreation Advisory Committee  
Rental Properties  
Respiratory Protection  
Salaries  
Schools  
Sewers  
Security Cameras  
Sex Offender Free Zone  
Sexual Harassment  
Shade Trees  
Sidewalks & Streets  
Signs  
Skateboards  
Smoking (See Tobacco & Smoking Issues)  
Snow Removal  
Storage Tanks  
Stormwater Issues  
Tattoo & Body Piercing  
Telecommunications and Cell Towers  
Tobacco and Smoking Issues  
Towing  
Traffic - Parking Issues  
Traffic - Right of Ways  
Traffic & Road Issues  
Trucks  
Vehicle Storage  
Vital Statistics  
Wastewater Treatment Systems  
Zoning - Land Use

Abandoned Property  
Abandoned Property Rehabilitation Act  
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Drunk Driving Free Zone  
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Trucks  
Vehicle Storage  
Vital Statistics  
**Wastewater Treatment Systems**  
**Zoning - Land Use**



# PSAB Ordinance Library

**THE PENNSYLVANIA STATE ASSOCIATION OF BOROUGHES**

Search

ABOUT NEWS CONFERENCES LEGISLATIVE PROGRAMS RESEARCH TRAINING GRANTS CONTACT

**Research**

- Sample Ordinances
- About the Research Department
- Budget Bulletin 2017
- Frequently Used Links
- Governing Resources
- Ordinance Contact
- Ordinance Submission Guidelines
- PA Borough Code
- Agency Publications & Contacts
- Recent Court Decisions

[View Video](#)

**Research**

**Search The Database**


By Keyword and Description:

Perform your Search:

All Files:

File Name	Date Uploaded	Download File
Adult Entertainment	October 9, 2013	<a href="#">Download File</a>
Alcoholic Beverages	October 9, 2013	<a href="#">Download File</a>
Amplified Noise From Vehicles	July 29, 2013	<a href="#">Download File</a>
Amusement Devices	July 29, 2013	<a href="#">Download File</a>
Animal Nuisance	October 9, 2013	<a href="#">Download File</a>
Audit Of Accounts	July 29, 2013	<a href="#">Download File</a>
Award For Arrest	July 29, 2013	<a href="#">Download File</a>
Crossing Guards	July 29, 2013	<a href="#">Download File</a>
Curbing Of Dogs	October 9, 2013	<a href="#">Download File</a>
Dangerous Structures	July 29, 2013	<a href="#">Download File</a>

<http://boroughs.org/ordfiles.php?link=Ordinances>



Adult Entertainment  
Alcoholic Beverages  
Amplified Noise From Vehicles  
Amusement Devices  
Animal Nuisance  
Audit Of Accounts  
Award For Arrest  
Crossing Guards  
Curbing Of Dogs  
Dangerous Structures  
Excessive Noise  
Feeding Wildlife  
Feral Cats  
Fire Losses  
General Curfew For Minors  
Junked Motor Vehicles  
Landlords Tenants  
Laser Beam Pointer Devices  
Maintenance Of Curbs and Sidewalks  
Mayor Council Compensation  
Motor Vehicles  
Notices on Poles Prohibited  
Numbering Buildings  
Office Of Manager  
Outside Burning  
Portable Storage Containers  
Property Maintenance 1  
Property Maintenance 2  
Public Trash Collection

Real Estate Tax Certifications  
Recycling  
Regulation Of Partition Fences  
Removal Of Snow  
Secretary Treasurer  
Shade Tree Commission 1  
Shade Tree Commission 2  
Shade Tree Commission 3  
Shade Trees  
Sidewalks  
Skateboards  
Smoke Detectors  
Snow And Ice Emergencies  
Snow Emergencies  
Speed Limits  
Stagnant Water Pools  
Swimming Pool  
Tampering With Property  
Tax Collector  
Trees 1  
Trees 2  
Trees Overhanging  
Vector Control  
Vehicles And Traffic  
Warrantless Arrests  
Waste Dumpsters  
Water And Sewer Rates  
Wireless Towers  
Yard Sale Permits  
Yard Waste




## C. Go Where Municipalities Already Go

- Figure out how we can get model ordinances and other expert content into the hands of municipalities by partnering with trusted municipal organizations.

# D. Experiential Learning



<http://commons.wikimedia.org>



I was in the Peace Corps in India as an agricultural volunteer with no water background.

I grew up in a time when being outside was the first option.

My fascination with water led me to go into civil engineering.

My parents always took us out – I had an early, deep connection with the landscape.

Working in an EAC and seeing good things happen from it gets to be kind of addictive.

## Radnor Middle School Watershed Program



[www.rtsd.org/](http://www.rtsd.org/), <http://web.mit.edu/wplp/sms/radnor.htm>

# University of Maryland Watershed Stewards Academy



## **Session 1: Introduction, Orientation**

*Tuesday, September 20th 6:00-9 pm\**

**Topics: Water Cycle – Introduction to the WSA, Significance of Participation, Sense of place. Overview of Watershed Issues from a National to Local Scale. (VP/DJ)**

We will introduce the course, its objectives, and its requirements, including the Capstone project. We will introduce and get to know one another, including why we are here and where we are from. We will introduce the concept of watersheds, including our place in them.

We will begin to explore the concept of community, what defines community, and the composition of a thriving community.

We will explore the water cycle and the interrelatedness and connections it shows within community. We will explore the water cycle in relation to watersheds, including how this cycle has been disrupted (local watershed issues especially related to stormwater, or polluted runoff). We will also look at different solutions and tools in order to accomplish the work.

## **Session 2: Storm-water Management Tour**

**Part 1: Infiltration: Rain Gardens, Conservation Landscaping, Permeable pavement, Green roofs, and Water harvesting. Perspectives and Practice on Neighborhood**  
**Part 2: Site Assessments. Putting It All into Practice: Class Project Site Assessment and Planning**

*Saturday, Sept 24th 11 - 3 pm (Forest Heights Municipal Center)*  
*(JM/VP/JB)*

We will tour several sites that demonstrate possible solutions for stormwater problems. Among the sites to be visited, stewards will see a green roof, rain garden, permeable pavers, etc. Stewards will understand modern water resource issues locally and globally. We will also learn about native plants, including what it means to be native, why native plants are used, and why non- native plants, particularly invasive plant species may pose problems. We will identify soils and plants for use in our stewardship projects.

We will learn about specific good stewardship practices that can reduce stormwater pollution, such as green roofs, rain barrels, conservation landscaping, and rain gardens. We will explore the nuts and bolts of these practices to determine suitable locations, best design practices (design, installation, and maintenance), and risks; the basics of;

# Penn State Extension Watershed Ambassadors



## Master Watershed Steward Program Lehigh & Northampton Counties

### CALL FOR VOLUNTEERS

The Penn State Extension **Master Watershed Steward Program** in Lehigh and Northampton Counties will be training a new class in spring of 2016. We are looking for individuals that have an interest in the environment, a willingness to learn more and most importantly, a strong desire to make a difference in the community. So whether you are a teacher, an accountant, a construction worker, a homemaker, a student, or have another background, **YOU** can become a Master Watershed Steward.

To become a certified Master Watershed Steward, you must complete 40 hours of training and fulfill 50 hours of volunteer service. After becoming certified, you can maintain your status by giving at least 20 volunteer hours and attending at least 10 hours of continuing education annually.

*Master Watershed Stewards volunteer in the community to improve the health of our streams, rivers and other natural resources by:*

- organizing educational events
- designing demonstration rain gardens
- working with municipal officials to plant native meadows
- organizing stream clean ups
- monitoring streams for bacteria
- teaching adults and children about the environment and in many other ways

The new training program will begin in March of 2016 and run through mid-June with a mixture of weekday evening classroom sessions and Saturday field trips. **For more information, contact Erin Frederick at 610-391-9840 or elf145@psu.edu.** Information can also be found at [extension.psu.edu/Lehigh](http://extension.psu.edu/Lehigh)

*Coordinating Program Partners*



PENNSTATE



Cooperative Extension  
College of Agricultural Sciences

This publication is available in alternative media on request.

Penn State is an equal opportunity, affirmative action employer, and is committed to providing employment opportunities to minorities, women, veterans, individuals with disabilities, and other protected groups. Nondiscrimination: <http://gsu.psu.edu/policies/AD85.html>

**extension.psu.edu**



# Program Structure

- Run by entity focused on education
- Targeted groups
- Incentivized or required education
- Funding source
- Program content



# Promising Recommendations

Project Team Members' Early Choices

Set 2

# E. Create Watershed-based Mitigation Plan and Bank

- Mitigation Banks
  - Most common known example: Wetland Banking
    - “No net loss of wetlands”
  - Form of compensatory mitigation
  - Happens off-site, but location has rational nexus (i.e. watershed)
  - Pay-ahead – do something now for an impact we know is going to happen in the future



Credit: Nick Carson at English Wikipedia - Transferred from en.wikipedia to Commons., Public Domain, <https://commons.wikimedia.org/w/index.php?curid=9959121>

# E. Create Watershed-based Mitigation Plan and Bank

- Mitigation banks usually require:
  - Plan (idea of what needs to be done where and why)
    - Sending Area/Receive Area
    - Wish List projects
  - Fund (admin funds as well as fees/fines for cash flow)
  - Implementation
    - Credits (do now)
    - Debits (impacts later)



Credit: Abington Township, PA

# E. Create Watershed-based Mitigation Plan and Bank

- Lots to figure out/discuss:
  - Geographic extent? Subwatersheds?
  - “No net loss of permeability?”
  - Is this for stormwater only? Or all water quality?
  - Upstream/downstream projects?
  - Regular line-items in municipal budgets?
  - Baseline vs. Nice-to-have

# F. Connect Academic Researchers with Ordinance Writers

- Where to host?
  - Stormwater Clearinghouse?
  - PSATS/NJ League?
- Is this information useful for codes?
- How to fund?

The screenshot displays the Villanova University College of Engineering website. The header includes the university name, a search bar, and navigation links for Campaign, Apply, Give, My Nova, Webmail, Elearning, and Log On. A secondary navigation bar lists About, Admissions, Academics, Library, On Campus, Athletics, and Advancement. The main content area is titled "Bio-Infiltration Rain Garden" and features a navigation menu with "Executive Summary" (highlighted), "Design Characteristics", "Investigation Photos", "Storm Events", "Acknowledgements", and "FAQ". Below the menu is a photograph of a rain garden. A "Summary Handout" link is provided, followed by a paragraph of text discussing urban stormwater management and its impact on stream bank erosion and infiltration.

VILLANOVA UNIVERSITY  
COLLEGE of ENGINEERING

Google™ Custom Search

CAMPAIGN APPLY GIVE MY NOVA  
WEBMAIL ELEARNING LOG ON

ABOUT ADMISSIONS ACADEMICS LIBRARY ON CAMPUS ATHLETICS ADVANCEMENT

Research / Centers of Excellence / Villanova Center for the Advancement of Sustainability in Engineering / Villanova Urban Stormwater Partnership / Research / Bio-Infiltration Rain Garden

Villanova Urban Stormwater Partnership

About Us

Research

- Bio-Infiltration Rain Garden
- Comparative Rain Garden Study
- Green Roof
- An Integrated Monitoring Plan for Stormwater Control Measures
- PerVIOUS Pavers
- Historic Seepage Pits
- PerVIOUS Concrete/Porous Asphalt Comparison Site
- Infiltration Trench
- Evapotranspiration Rain Garden Treatment Train
- US EPA - PWD Project
- Delaware River Watershed Initiative Green Roof Shelter / People Hub
- Quality Assurance

Bio-Infiltration Rain Garden

Executive Summary Design Characteristics Investigation Photos Storm Events

Acknowledgements FAQ

Summary Handout

Urban stormwater has the potential to deliver large pollutant loads and increased flows to receiving waters over short intervals. The increased runoff has been shown to accelerate stream bank erosion and reduce infiltration thereby increasing drought effects on the headwaters of streams. Best management practices are currently recommended by PaDEP to control stormwater runoff. Detailed information on their performance is still emerging as recognized by Pennsylvania's Chesapeake Bay Nutrient Reduction Strategy (PaDEP 1996a) and the Pennsylvania Handbook of Best Management Practices for Developing Areas (PACD 1998).

**G. Celebrate!**



# G. Celebrate Projects



Figure 6.5-16. Rain Garden in State College, PA.  
[http://www.dep.state.pa.us/dep/subject/advoun/stormwater/Manual\\_DraftJan05/Section06-StructuralBMPs-part1.pdf](http://www.dep.state.pa.us/dep/subject/advoun/stormwater/Manual_DraftJan05/Section06-StructuralBMPs-part1.pdf)



# G. Celebrate Developers

The screenshot shows the Urban Land Institute website's 'Awards & Competitions' page. The header includes navigation links for Americas, Asia Pacific, Europe, Foundation, and Urban Land Magazine, along with a search bar and a navigation menu with options like Membership, Councils, Events, Programs, Research, Publications, Videos, and Support ULI. The main content area features a sidebar with a list of award programs, a central text block with a quote from ULI CEO Patrick L. Phillips, and a right-hand column with an 'Awards Schedule' and '2015 Finalists' section.

**Awards & Competitions**

**Programs**

- Advisory Services
- Awards & Competitions**
- Global Awards for Excellence
- ULI Hines Student Competition
- J.C. Nichols Prize for Visionaries in Urban Development
- Jack Kemp Excellence in Affordable and Workforce Housing Awards
- Robert C. Larson Housing Policy Leadership Awards
- Urban Open Space Award
- Apger Urban Land Award
- Career Center
- Education
- Leadership Network
- Marketplace
- Urban Innovation Grants

For decades, the Urban Land Institute has set the standard in recognizing outstanding real estate development projects, related programs, and visionaries in urban development. ULI's awards programs are highly selective and provide a prestigious reference for professionals involved in the built environment. Winners and finalists benefit from worldwide recognition among influential leaders in fields related to real estate and urban development.

ULI recognizes a wide range of project types, sizes, and initiatives in its award programs—from housing to commercial and mixed-use development and new communities, from open spaces to policy initiatives, and both profit and nonprofit.

Projects are judged by teams of experts tailored to the requirements of each awards program. These multidisciplinary groups of experts typically include developers, planners, architects, public officials, community representatives, and other professionals as required by the award criteria.

**Awards**

**ULI Global Awards for Excellence**  
Recognizing best practices and outstanding development projects in the built environment.

**ULI Jack Kemp Excellence in Affordable and Workforce Housing Awards**  
Recognizing exemplary developments that meet affordable and workforce housing needs in the local community.

*"ULI awards illustrate that well-designed, well-built projects and initiatives can thrive even in the most challenging of economic times. Winners and finalists showcase the best in creativity, innovation, and long-term thinking."*  
*ULI CEO Patrick L. Phillips*

**Awards Schedule**  
Winners for ULI's 2016 awards programs will be announced at the Fall Meeting on October 25-28, 2016 in Dallas, Texas.

The application cycle for ULI's 2017 awards programs will open in December 2016. For additional information, please contact [awards@uli.org](mailto:awards@uli.org).

**2015 Finalists**

2015 ULI Global A...

2015 ULI Urban Op...

<http://uli.org/>

# G. Celebrate Municipalities



<https://twitter.com/psats/status/464832673207160832>




# G. Celebrate Municipalities

- Piggyback on an existing awards program?
- Create a new awards program?

# H. Create Stormwater Clearinghouse for Municipalities

- Funding sources
- Legal information
- Sample plans and ordinances
- Costs and benefits of conservation activities
- Sample educational materials for varied groups





There is a need to show measurable results, but we are just guessing about the actual impact.

We could use a little more data to help prioritize projects.

We are required to reduce phosphorus content by 99 percent, but we don't know how to attain that.

We don't have good guidelines on what we should be doing.

The EPA said that street sweeping doesn't count to address TMDLs, so why are we doing this?



FEATURED GUIDE

Purchase Options

A purchase option is a right to purchase or lease land or other property interests without any obligation to do so.

Read more...

Acquiring Land & Easements

Financing Conservation

Model Documents

Research & Education

Land Use Regulation & Design

Library

Parks, Trails & Recreation

Sign Gallery

Studies

Stewardship & Management

Other

Experts



DEP > Businesses > Water > Bureau of Clean Water > Stormwater Management > Municipal Stormwater > MS4 Resources

MS4 RESOURCES

The following is a selection of resources for those seeking more information on MS4s or assistance with implementing stormwater management programs or other permit requirements.

MAPS

- eMapPA
PA Urbanized Areas (PDF)
EPA Urbanized Area Website

MODELING/PLANNING TOOLS

- MS4 Requirements Table web-based GIS application
Statewide MS4 Land Cover Estimates (PDF)
PA Stormwater Manual DRAFT Compliance Spreadsheet (XLSX)
Expert Panel Reports

RELATED INFO

FUNDING OP

MS4 RESOUR



# Clearinghouse Development

- Connect trusted municipal source and trusted expert source
- Add new information, as needed, to trusted expert source
  - Determine municipalities' knowledge gaps
- Promote clearinghouse throughout region
  - Funding source?



# Small Group Discussions

- Purpose:
  - Provide feedback on early/promising recommendations
  - Help determine usefulness and feasibility
  - Start to develop recommendation
- Go through two rounds
  - Choose group to discuss specific recommendation.
  - 10-15 minutes per round





# Small Group Discussions #1

Group A: Create Legal Assistance Fund –

Conference Room Front – Alison Hastings

Group B: Watershed-based planning and partnerships –

Pennsylvania Room – Chris Linn

Group C: Go to Where Municipalities Already Go –

Conference Back – Christina Art

Group D: Experiential Learning

New Jersey Room – Melissa Andrews



# Small Group Discussions #2

Group E: Create Watershed-based Mitigation Plan and Bank –  
Conference Room Front – Alison Hastings

Group F: Connect Academic Researchers with ordinance writers –  
Pennsylvania Room – Chris Linn

Group G: Celebrate –  
Conference Back – Christina Arlt

Group H: Create Stormwater Clearinghouse –  
New Jersey Room – Melissa Andrews

# Next Steps



# Municipal case studies

- October 2016: Write case studies
- November 2016: Review case study drafts
- December 2016: Complete case studies



# Recommendations survey

- Create list of recommendations
- Develop recommendations survey
- Send survey to the MTAAP and collect responses
  - Look out for the survey link in **January 2017**



# Next MTAAP meeting:

- Meeting #4
- At DVRPC's Offices
- Late January or early February 2017
  - TBD from evaluation form responses
- Results of recommendations survey and MTAAP feedback

# Evaluations

## Municipal Technical Assistance Advisory Panel (MTAAP) October 7, 2016 Meeting Survey

*Help us find out what worked and what didn't work about today's meeting*

**1. Please rate the overall quality of the MTAAP meeting.**

1 2 3 4 5

Low quality      High quality

**2. Was the MTAAP meeting a good use of your time?**

1 2 3 4 5

Not a valuable use of my time      Excellent use of my time

**3. What did you like best about the MTAAP meeting?**

**4. What could have been improved about the MTAAP meeting?**

**5. Do you have suggestions for this project and/or the MTAAP that would help us achieve the deliverables?**

**6. Would you be able to attend an MTAAP meeting in Philadelphia on the following dates?**

*Check all that apply.*

\_\_\_ Friday, 1/20/2017

\_\_\_ Tuesday, 1/24/2017

\_\_\_ Thursday, 2/9/2017

\_\_\_ Wednesday, 2/15/2017

# Questions?



<https://tidysurveys.com/blog/2013/11/03/survey-questions-choose-right-type-survey-questions/>



# Please Join Us For Lunch!



<http://espressoandcream.com/2012/08/vegetarian-lasagna-with-goat-cheese-and-summer-squash.html>