

Local Government Stormwater Financing

Identifying True Costs



Wrightsville Borough, York County, Pennsylvania

Narragansett Bay Stormwater Financing Workshop: Part 3

March 11, 2016

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**ENVIRONMENTAL
FINANCE CENTER**

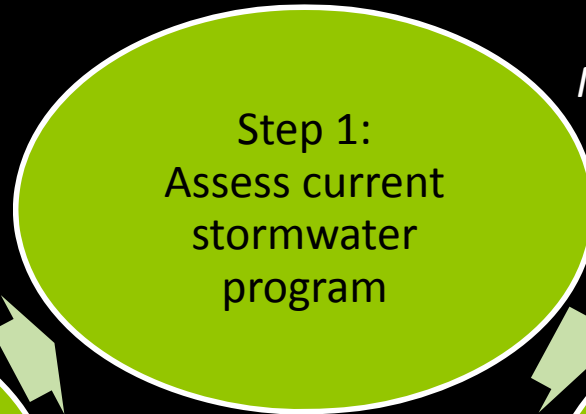
5 Step Process for Stormwater Financing Studies

Months 10-12

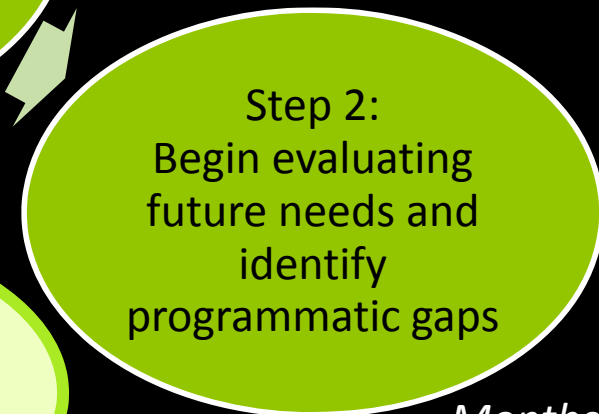
Vetting recommendations with officials
Preparing report/final deliverables



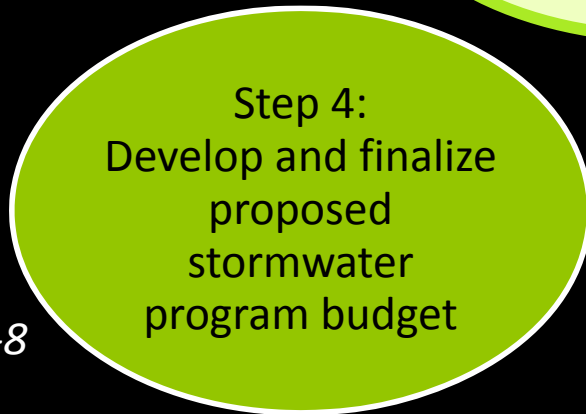
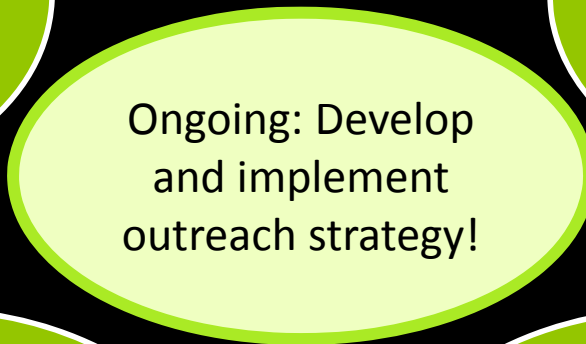
Months 9-10



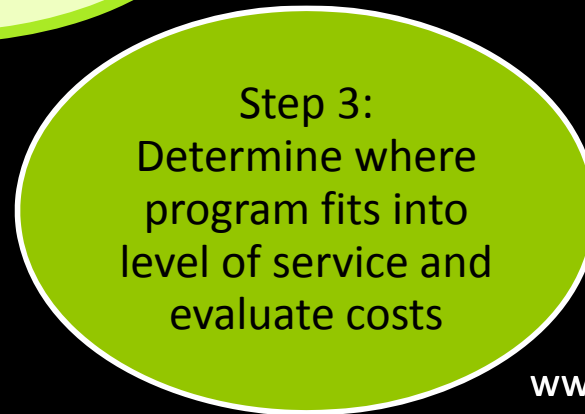
Months 1-2



Months 3-4



Months 7-8



Months 5-6

Organizational & Political Challenges

- Responsibilities dispersed across broad group
- Large capital costs and evolving legislative and environmental landscape
- Long term maintenance
- Need for better data and tracking
- Requires staff capacity
- Science, water quality
- Need for stakeholder education and engagement

Warrington Township, PA

1

Assess current program

Bring together stakeholders, and identify:

- Community sentiment
- Political landscape
- Organizational capacity
- Regulated activities
- Local drivers
- Existing resources
- Existing relationships and partnerships

2

Identify gaps in existing program and evaluate future needs

Begin to conduct gap analysis for existing and future level of service (LOS):



- Multiple community benefits
- **Future resources**
- Partnership opportunities

*Where does your existing program fall on this spectrum?
And where does it need to fall?
What available resources can help you fill gaps?*

3

Determine where current program fits into level of service and evaluate costs

- Break down level of service by activity (by Minimum Control Measure (MS4 permit), cost category, responsible entities, etc.)

Some examples include:

LABOR

% FTE of existing staff
Hire additional staff
Contractors

OPERATIONS & MAINTENANCE

Software
Supplies
Equipment maintenance

CAPITAL

Equipment
Project identification
Land acquisition

What are the types of costs – categories – that will be included in the program?

4

Develop and finalize proposed stormwater program budget

- Budgeting for all program-related expenses or only additional expenditures?

LABOR

OPERATIONS &
MAINTENANCE

CAPITAL

What are the individual line item costs?

5

Develop a financing strategy to support budget

Some examples include:

GENERAL FUND

Existing staff
2 new public works staff
Contracted engineer
GIS software

STORMWATER FEE

Maintenance of existing infrastructure
Long term maintenance of new BMPs
Billing system
Debt repayment

GRANT (2015-2017)

Education and outreach
2 green demonstration projects
Asset management program

CLEAN WATER SRF LOAN

3 rain gardens
Replacement of aging infrastructure

How will you pay for each budget item? Will you have diversified sources of funding?

Comprehensive Financing Strategy Includes...

Cost Reducing Strategies

- Partnerships
- Collaboration/
Regional
Approaches
- Asset Management
- Green Infrastructure

Revenue Generating Activities

- Taxes/General
Funds
- Fees
- Grants
- Loans
- Bonds

Market-based Approaches

- Integrated Public
Private Financing
- Voluntary Markets
- Regulatory Markets

Lancaster City, PA

Anne Arundel County, MD

Scranton, PA

Shenandoah Valley, VA

Calvert County, MD

Baltimore, MD

Wrightsville Borough, PA

Oxford, MD

Berlin, MD

Ocean City, MD

Federalsburg, MD

COMMUNITY EXAMPLES

Bowie, MD

Berkeley County, WV

Mercersburg, PA

Lynchburg, VA

Warrington Township, PA

St. Michaels, MD

Hampton, VA

Blair County, PA

Prince George's County, MD

Salisbury, MD

Lancaster County, PA

College Park, MD

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Community Stormwater Financing Studies

Traditional, One-on-One Feasibility Study

- Berlin
- Salisbury
- Oxford
- Scranton
- Wrightsville
- Berkeley County

Innovative, Regional Financing Study

- 6 MS4s in Lancaster County:
 - East Cocalico
 - Manheim
 - Warwick
 - West Lampeter
 - Lititz
 - Mount Joy
- 13 MS4s in Blair County

Alternative, Community-level Financing Study

- Warrington
- Hampton
- Shenandoah Valley

Berlin Comprehensive Outreach

STORMWATER: HOW MUCH IS TOO MUCH?



Photo courtesy of Carol Cain and Stacey Weidman

IT'S UP TO YOU, BERLIN!

Let's talk stormwater.

We want to hear about how stormwater impacts YOU!

- Established Berlin Stormwater Stakeholder Committee
- Leveraged community partnerships
- Created outreach and marketing plan
 - Created promotional materials
 - Hosted and attended local events

[Berlin Stormwater Video](#)

www.efc.umd.edu

Berlin Stormwater Photo Contest



INNOVATIVE, REGIONAL STORMWATER FINANCING EXAMPLES

Spectrum of Regional Approaches

Collaboration
on public
education and
outreach

Informal sharing
between staff of
equipment, tools,
and resources

MOU
developed for
defined shared
activities

Informal collaboration
through peer-to-peer
sharing



Formal regional entity
created/adapted to
manage stormwater