

Storm Water Phase II Implementation Costs and Funding Availability

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Outline

- 10 Min. Cost Summary (R. Patten)
- 20 Min. Funding (K. Rabasca)
- 10 Min. Questions/Answers

EPA Storm Water Phase II

- Multi-Sector Industrial General Permit
 - Operating Landfills
 - Transfer Facilities (scrap metal recycling)
 - Wastewater Treatment Plants (>1 MGD)
- Maine Construction General Permit (>1 acre disturbance)
- Small Municipal Separate Storm Sewer Systems (MS4s)
 - Located in urbanized areas by US Census
 - 28 Communities in Maine

MS4 General Permit Requirements

- Implement Six Minimum Control Measures
 - Public Education and Outreach
 - Public Involvement and Participation
 - Illicit Discharge Detection and Elimination (IDDE)
 - Construction Site Runoff Control
 - Post-Construction Storm Water Management
 - Pollution Prevention/Good Housekeeping

What Will it Cost?

➤ Phase I Communities

- City of San Diego's Think Blue Campaign
\$400,000/year for Public Education
- City of Griffin, GA - \$55,000 to \$85,000
- EPA to be commissioning study on lessons learned in Phase I Program

Well...What Will it Cost?

- EPA Estimates \$9.16 per household
 - City of 50,000 people = \$190,000/year
 - Town of 10,000 people = \$ 38,000/year
 - Town of 1,000 people = \$ 3,800/year

Well.....What Will It Cost?!?!

➤ It Depends !?!?

What Do I Do to Minimize Costs?

1. Pray the Program Just Goes Away
2. Lobby for David Ladd's Position to be Eliminated
3. Utilize or Modify Existing Programs
4. Utilize Local Non-profit Groups
5. Partner with Other MS4s
6. Obtain Grants to Help Defray Implementation Costs



Funding

- Bond Issue Update
- Grants
 - State Grants
 - USEPA/Federal Grants
- State Revolving Loan Funds



Funding - Grants

➤ States

- K-12 Educational
- Coastal Grants
- Non-Point Source (319) Grant
- Additional State Grants



➤ Federal

- Water Quality Cooperative Agreements
- Five Star Restoration Project

Funding - Grants

- Partnering with Non-Profits
 - Eligibility for Grants
 - Watershed Surveys –
 - ID Storm water Issues
 - Watershed Management Plan
 - Watershed Restorations
- Partnering with MS4s
 - Regionalization
 - Economy of Scale

K-12 Educator Grants

- \$1,000-\$2,000 per project
- Offered through State Environmental Departments (\$10-\$20k/year/state)
- Applies to Teachers Grades 6 through 12
- Preference to projects that partner with private land owners, corporations, communities

K-12 Educator Grants

- Storm Water Application:
 - Partner with Educators to develop service projects
 - Riparian buffer enhancement
 - Stream bank erosion repair
 - Stenciling

Coastal Watershed Grants

- Maine Shore Stewards Priority Coastal Watershed
- Massachusetts Coastal ACEC Stewardship
- Massachusetts Transportation bond Grants – Coastal Pollutant Remediation
- New Hampshire Coastal Program
- New Hampshire Estuaries Program

Coastal Watershed Grants

- Offered to Specific Coastal Communities/Watersheds
- Matches Required (25%-50%)
- Project Types
 - Watershed Survey
 - Watershed Management Plan
 - Watershed mapping
 - NPS pollution education
 - Citizen monitoring work



Coastal Watershed Grants

➤ Storm Water Application:

- New Hampshire – IDDE Mapping
- Massachusetts – BMP Implementation from Storm Water source
- Maine – Watershed Management Plans



Non-Point Source (319) Grants

- \$10,000-\$140,000 per project
- Offered through State Environmental Departments
- Applies to municipalities, non profits, public orgs
- Preference to priority watersheds/impaired waters (303d)
- 40% match required



Non-Point Source (319) Grants

Storm Water Application:

- Usable for FY 2003
- New Bill offered for remaining years
 - Watershed Surveys or Management Plans
 - Watershed Projects
 - Erosion control
 - Buffer enhancement

Water Quality Cooperative Agreements

- \$10,000-\$500,000 per project
- Offered through USEPA
- Applies to non-profit organizations, municipalities, interstate orgs.
- Priority consideration to: “Compliance with Storm Water Phase II”

Water Quality Cooperative Agreements

➤ Storm Water Application:

- “...non-traditional pollution problems in priority watersheds...”
- “Storm Water Phase II compliance”
- Demonstrations, surveys, studies, research, investigations (used to provide focus to overall program)
- National Interest
- Likely larger organizations – MMA, MDEP, MDOT

Water Quality Cooperative Agreements

- Recent Storm Water Related Award
 - Center for Watershed Protection – Training
 - Assoc. State/Interstate Water Pollution Control – Improving General Permits to Address Wet Weather Problems

Five Star Restoration

- \$5,000-\$10,000 per project
- Offered through NOAA/Nat'l Fish & Wildlife
- Targets partnerships of 5 parties
- Wetland, riparian or coastal habitat restoration
- Matches required

Five Star Restoration

- Storm Water Application:
 - Public education/public participation benefits
- Recent Awards:
 - Casco Bay Estuary Project-Buffer Strip

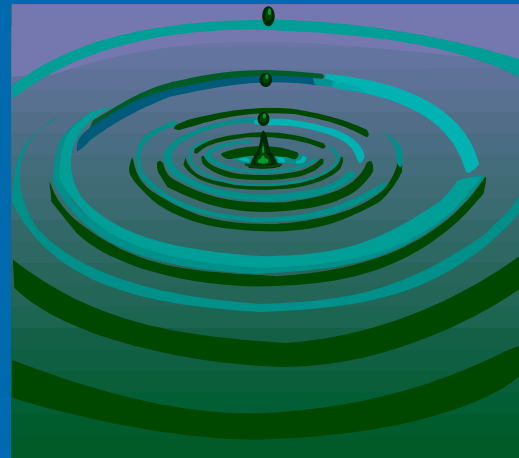


Other Grant Opportunities

- Community Development Block Grant (thru DECD)
- MDEP/Maine Stream Team Listing
- Catalog of Funding Sources for Watershed Protection
(<http://cfpub.epa.gov/fedfund/index.cfm>)
- New Hampshire DES Home Page – Grants/Funding
(<http://www.des.state.nh.us>)

State Revolving Loan Fund

- Low interest loan (2% below market rate)
- Targeting Water Pollution Control Activities
- Communities, non profits, homeowners, all eligible
- Fund 80% project cost (20% match min)
- Maine fully funded all requests



State Revolving Loan Fund

➤ Storm Water Application

- Implementation of Watershed Mgt Plans
- Repair Storm Water structures
- Installation of Storm Water treatment systems



Conclusions

- Partnering/Cooperative Efforts are the Key to Leveraging municipal expenditures on Storm Water Phase II
- No Free Money – but Great Leverage!

