

# Possible Roles and Responsibilities for Counties and Municipalities



Prepared for the  
Delaware Clean Water Advisory  
Council

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# Surface Water Task Force Preliminary Assessment

**Table 1: Preliminary Projections of Statewide Stormwater Capital Requirements Over the Next 5 years (2005 dollars)**  
(Source: Finance Subcommittee)

Pending and Future 21 <sup>st</sup> Century Fund Requests*	
FY 2006 Requests	\$ 7,500,000
Sussex County (future)	\$10,750,000
Kent County (future)	\$ 3,700,000
New Castle County (future)	\$31,200,000
<b>Watersheds</b>	
Watershed Planning (17 priority watersheds @ \$750,000 each)	\$12,750,000
Watershed Capital Implementation (Shellpot and Naaman's Creek watersheds)	\$19,700,000
Watershed Capital Implementation (assumes 8 additional prioritized watersheds)	\$80,000,000
<b>Tax Ditches</b>	
Sussex County	\$ 5,000,000
Kent County	\$ 2,400,000
New Castle County	\$ 600,000
<b>Other Identified Needs</b>	
Sussex County	\$ 3,100,000
Kent County	\$ 2,250,000
New Castle County	\$11,350,000
New Castle County Recent Emergency Funding**	<u>\$17,000,000</u>
Total 5 year Projected Capital Needs	\$207,300,000
Projected Annualized Capital Needs	\$ 41,460,000

\* 21<sup>st</sup> Century Funding requests were used as a means of identifying needs but are not expected to be used as a constant source of capital funding.

\*\* Included as on-going capital need since subcommittee viewed as catch-up funding. May, however, reduce future capital funding.

**Table 2: Preliminary Projections of Annual Statewide Stormwater Maintenance Requirements (2005 dollars)\***  
(Source: Finance Subcommittee)

<b>Tax Ditches</b>	
Current Costs	\$ 1,500,000
Needed Funding	\$ 1,750,000
<b>County and Municipal</b>	\$ 4,000,000
<b>Major Maintenance on Stormwater Ponds and New Management Practices</b>	\$ 6,000,000
<b>Program Staffing (State)</b>	<u>\$ 480,000</u>
<b>Total Annual Projected Major Needs (e.g., repairs, maintenance, preventive)</b>	\$13,730,000

\* Does not include DelDOT maintenance responsibilities

## DPPI Early Assessment

The Dialogue took these earlier efforts under advisement in considering their recommendations. They considered the Task Force's \$41.5 million estimate and also considered a lower number should the New Castle emergency funding not be included because it is already underway, or, **\$24.5 million** (\$41.5 million minus \$17 million). The Dialogue estimated existing, current capital funding annually from the 21st Century Fund, miscellaneous funding, and current local funding, at \$11 million. *Thus, the gap is estimated at between **\$13.5 million** to \$30.5 million annualized.*

# State Surface Water Program Efforts

## Regulatory Stormwater Program

– New Development/Local Programs



- Drainage Program
  - Tax Ditch Assistance
  - Landowner Technical Assistance
  - Small Public Ditch Project Planning and Construction



- NOT Flood Control



# Twenty-First Century RC&D Funding\*

- '07 Funding for Drainage - \$4,750,000
  - 3.53 million/New Castle County
  - 1.2 million/Kent and Sussex County
- '07 Match Total \$1,580,000
- \*Since 1995, 1421 projects with \$67 million.
- 609 Projects Completed
- Average 4 years until funded

# DeIDOT Drainage Maintenance

- North District - \$1,100,000
- Canal District - \$1,250,000
- Central District - \$ 670,000
- South District - \$1,020,000
- CIP Drainage \$3,450,000



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**Total**                      **\$7,500,000 +**

# What's Missing?

- Watershed Planning/Modeling
- Drainage Master Planning
- Drainage Conveyance CIP
- Stream Restoration/Open Channel Maintenance
- Watershed Retrofits
- Flood Mitigation



# What are the County and Municipal Responsibilities?



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# How Do We Get There?

- Clean Water Council Strategic Plan
- Development of policy statements and recommendations
- Encourage development of local level of service analysis
- Develop cost of service analysis

# What Tools Do We Use?

- Stormwater Utility Planning Process
- Stormwater Regulations
- New Legislation
- Local Ordinances and Codes
- Comprehensive Plan Components
- Government Partnership Agreements

# How Do We Fund These Programs?

- Stormwater Utilities
- Development Fees
- Private/Public Partnerships
- Innovative Funding Sources

# Charlotte-Mecklenburg, NC

## 40M Stormwater Utility Revenue

- CharMeck
  - SW Operations
  - SW Engineering
  - SW Planning
  - SW Support
  - Water Quality
  - Land Development
  - Satellite Offices



# Charlotte-Mecklenburg Capital Investment Plan

<b>Capital Investment Plan</b>	<b>FY 06</b>	<b>5-year</b>
Flood Control	\$8,000,000	\$27,000,000
Neighborhood Improvements	\$ 250,000	\$ 1,250,000
Channel Restoration	\$4,600,000	\$19,700,000
Economic Development	\$ 500,000	\$ 2,100,000
Stormwater Pollution Control	\$6,000,000	\$14,875,000
Existing Stormdrain Repair	\$5,200,000	\$21,000,000
Stream Restoration/Mitigation	\$1,000,000	\$ 4,250,000
<b>Total CIP Appropriation</b>	<b>\$26,000,000</b>	<b>\$107,000,000</b>

# CharMeck Accomplishments

- \$2,000,000 floodplain re-mapping program
- First in the nation to represent both existing and ultimate development floodplain on the same map
- Credited with preventing over 1,000 homes with being built in harms way avoiding an estimated \$330 million in flood losses



# CharMeck Accomplishments

- Systematic buy-out of at risk homes
- Restoration of the floodplain/stream corridor
- Public access/greenway component



# CharMeck Accomplishments

- 2,400 miles of small creeks and tributaries in Charlotte are maintained
- 10 miles of streams have been restored with stream restoration techniques



# Lenexa, Kansas

- Rain to Recreation Program

The Rain to Recreation Program is Lenexa's innovative regional, watershed approach to address stormwater quantity and quality. Goals of the Program are to reduce flooding, protect water quality and natural habitat and provide recreational and educational opportunities."

