

Stormwater Governance Study Update

February 22, 2011

Purpose of Stormwater Governance Study

Review the Stormwater Management Program For Unincorporated County

- ❖ Description Of Federal, State, Regional And Local Regulatory Requirements
- ❖ Analysis Of County's Current Level Of Service (LOS)
- ❖ Potential Improvements To Current LOS
- ❖ Assessment Of Possible Funding Options

Stormwater Management

- ❖ Program Management – Planning, Administration, Enforcement, Permitting, etc.)
- ❖ NPDES Stormwater MS4 Permit Compliance
- ❖ Operation and Maintenance (Cleaning, Mowing, Minor Repair, etc.)
- ❖ Capital Improvement Program (CIP)

NPDES = National Pollutant Discharge Elimination System
MS4 = Municipal Separate Storm Sewer System

Regulatory Requirements

❖ Federal

- FEMA – Flood Insurance
- NPDES & TMDL – Water Quality

❖ State

- Authority to Create Stormwater Management Program
- Statewide Stormwater Treatment – Highest Treatment Required in Outstanding Florida Waters (OFW)

FEMA = Federal Emergency Management Agency
TMDL = Total Maximum Daily Loads

Regulatory Requirements

(continued)

❖ Water Management District

- Permit For Construction and/or Modification Of Surface Water Management System

❖ Pinellas County

- Charter
- Design, Construct, Maintain “Major” Drainage Systems
- Authorizes Countywide Planning
- Control of Pollutants to MS4 (Ch. 58)
- Comprehensive Plan (Ch. 134)
- Site Development Review (Ch. 154)

Areas of Potential Cooperative Programs

❖ Program Management

- Code Enforcement
- TMDL Participation

❖ NPDES Compliance

- Illicit Discharge Programs
- Monitoring
- Public Information & Education

❖ Capital Improvements

- Basin/Watershed Studies
- Cooperative Implementation of Projects

Analysis of Current LOS

<i>Level of Service</i>	<i>Program Management Activities</i>	<i>NPDES Compliance Activities</i>	<i>Operation and Maintenance Program Activities</i>	<i>Capital Improvement Projects</i>
A	Comprehensive Planning + Full Implementation Capabilities	Exemplary Permit Compliance	Fully Preventative/ 100% Routine	10-year Plan
B	Pro-Active Planning + Systematic CIP Implementation Capabilities	Pro-Active Permit Compliance	Mixture of Routine and Inspection Based	20-year Plan ²
C	Priority Planning + Partial CIP Implementation Capabilities	Minimal Permit Compliance ¹	Inspection Based	
				35-year Plan
D	Reactionary Planning + Minimal CIP Implementation Capabilities	Below Minimum Permit Compliance	Responsive Only (Complaint-based)	50-year Plan
F	No Planning + No CIP Implementation Capabilities	Non-Compliance	Less than full response to all complaints	75-year or More Plan

¹ Note that the current NPDES MS4 LOS degrades to LOS D when the new MS4 permit is issued by FDEP.

Current Program Costs

Program Management	\$3,044,500
NPDES Compliance	\$708,500 ¹
Operation & Maintenance	\$15,243,100
CIP (Penny for Pinellas)	\$8,892,900
Total	\$27,889,000

¹ Note: When new NPDES MS4 Permit received,
Program Needs increase to \$921,100.

Stormwater Fees & Assessments in Florida

County	Rate (\$/Month)	Rate (\$/Year)	Unit
Bay County	\$3.33	\$40	each SFU
Brevard County	\$3.00	\$36	per ERU
Charlotte County	\$3.00	\$36	per acre
Hillsborough County	\$1.00	\$12	per ERU
Leon County	\$1.67	\$20	per ERU
Marion County	\$1.25	\$15	per ERU
Miami-Dade County	\$4.00	\$48	per ERU
Pasco County	\$3.92	\$47	per ERU
Sarasota County	\$7.55	\$91	per ERU
Volusia County	\$6.00	\$72	per ERU
County Average	\$3.47	\$42	
Lake County		0.5	mills

Pinellas Cities	Rate (\$/Month)	Rate (\$/Year)	Unit
Clearwater	\$11.80	\$142	per ERU
Dunedin	\$6.00	\$72	per ERU
Gulfport	\$2.87	\$34	per ERU
Largo	\$3.57	\$43	per ERU
Madeira Beach	\$5.00	\$60	per ERU
Oldsmar	\$3.00	\$36	per ERU
Safety Harbor	\$3.75	\$45	per ERU
St. Petersburg	\$6.85	\$82	per ERU
Tarpon Springs	\$5.65	\$68	per ERU
Treasure Island	\$3.36	\$40	per ERU
City Average	\$5.19	\$62	

Note: Brevard, Miami-Dade and Sarasota Includes Cities As Part of Utility
 SFU = Single Family Unit
 ERU= Equivalent Residential Unit



Illustrations of Assessment Options

<u>Funded Program ¹</u>	<u>Budget</u>	<u>Annual Assessment</u>
Whole Program	\$28.1 M	\$188/ERU
Whole Program w/o CIP	\$19.2 M	\$129/ERU
Program Mgt, NPDES, CIP	\$12.9 M	\$86/ERU
Program Mgt & NPDES Only	\$4.0 M	\$27/ERU

¹ Note that these numbers include additional revenue for NPDES MS4 LOS to be at LOS C when the new MS4 permit has been issued.

Questions?