

# Deerfield Regional Storm Water District

## SWAC Meeting No. 4

### Committee Recommendations

October 27, 2005



## Meeting Milestones/Logistics

- ◆ July 27, 2005  
1<sup>st</sup> Meeting – Project Introduction & Overview / Storm Water Management Activities
- ◆ Wed August 31, 2005  
2<sup>nd</sup> Meeting – Storm Water Level of Service, Program Cost & Intro to Funding Options
- ◆ Field Trip – September 13<sup>th</sup> 2:00 p.m.
- ◆ Sat September 17<sup>th</sup> – Deerfield Days
- ◆ Thurs September 22, 2005  
3<sup>rd</sup> Meeting – Storm Water Financing & Level of Service Selection
- ◆ Thurs October 27, 2005  
4<sup>th</sup> Meeting – Committee Recommendations



## Meeting Agenda

1. Questions / Issues from SWAC # 3
2. Level of Service / Program Cost
3. Committee Recommendations

**CDM**



## Questions / Issues from SWAC # 3

- ◆ Does DRSWD have authority under ORC 6119 to perform work on private property, such as detention pond maintenance, and to charge the private property owner for the service? **YES**
- ◆ How are common areas for subdivisions, condo and apartment complexes handled in the storm water service fee billing? **They receive a user fee that depends on County Auditor's land use code (residential code vs. non-residential code)**
- ◆ Does the City of Mason, as a peer community, subsidize its \$3 / month / ERU utility fee with general funds, and if so how much? **The City did subsidize the utility fee with general funds for the first 2-3 years of utility operation, after which the utility fund was to be autonomous.**

**CDM**



## Recommended 5-Year Program Budget

| Activity  | FY 2006            | FY 2007            | FY 2008            | FY 2009            | FY 2010            | Avg. Annual Cost 5yr Plan Period | Cost/ERU per Month |
|---|--------------------|--------------------|--------------------|--------------------|--------------------|----------------------------------|--------------------|
| <b>Operation and Maintenance Program (+3% inflation/yr except for vehicle/equipment)</b>        |                    |                    |                    |                    |                    |                                  |                    |
| Storm Water System  | \$244,000          | \$251,000          | \$259,000          | \$267,000          | \$275,000          |                                  |                    |
| Detention Basins  | \$22,000           | \$23,000           | \$24,000           | \$25,000           | \$26,000           |                                  |                    |
| Stream Channels   | \$19,000           | \$20,000           | \$21,000           | \$22,000           | \$23,000           |                                  |                    |
| Miscellaneous (Leaf/Brush Collection, Street Sweeping, Misc. O&M)                               | \$233,000          | \$240,000          | \$247,000          | \$254,000          | \$262,000          |                                  |                    |
| Vehicle/Equipment Acquisition (NEW - \$300,000 over 5 years)                                    | \$60,000           | \$60,000           | \$60,000           | \$60,000           | \$60,000           |                                  |                    |
| <b>SUB TOTAL</b>  | <b>\$578,000</b>   | <b>\$594,000</b>   | <b>\$611,000</b>   | <b>\$628,000</b>   | <b>\$646,000</b>   | <b>\$612,000</b>                 | <b>2.55</b>        |
| <b>Regulatory Compliance</b>  |                    |                    |                    |                    |                    |                                  |                    |
| Minimum Control 1 - Public Education & Outreach   | \$15,500           | \$15,500           | \$12,000           | \$12,000           | \$12,000           |                                  |                    |
| Minimum Control 2 - Public Participation & Involvement  | \$5,000            | \$5,000            | \$5,000            | \$5,000            | \$5,000            |                                  |                    |
| Minimum Control 3 - Illicity Discharge Detection/Elimination                                    | \$75,000           | \$70,000           | \$20,000           | \$20,000           | \$20,000           |                                  |                    |
| Minimum Control 4 - Construction Site Runoff Control  | \$500              | \$500              | \$500              | \$500              | \$500              |                                  |                    |
| Minimum Control 5 - Post-Construction Runoff Control  | \$0                | \$15,000           | \$0                | \$0                | \$0                |                                  |                    |
| Minimum Control 6 - Pollution Prevention/Good Housekeeping                                      | \$13,000           | \$0                | \$0                | \$0                | \$0                |                                  |                    |
| OEPA Application Fee  | \$2,000            | \$2,000            | \$2,000            | \$2,000            | \$2,000            |                                  |                    |
| <b>SUB TOTAL</b>  | <b>\$111,000</b>   | <b>\$108,000</b>   | <b>\$39,500</b>    | <b>\$39,500</b>    | <b>\$39,500</b>    | <b>\$68,000</b>                  | <b>0.28</b>        |
| <b>Capital Improvement Program</b><br>(Assumes \$3.95M/5 years in 2005 dollars - Pay as You Go) |                    |                    |                    |                    |                    |                                  |                    |
| <b>SUB TOTAL</b>  | <b>\$790,000</b>   | <b>\$790,000</b>   | <b>\$790,000</b>   | <b>\$790,000</b>   | <b>\$790,000</b>   | <b>\$790,000</b>                 | <b>3.29</b>        |
| <b>Planning and Management</b>  |                    |                    |                    |                    |                    |                                  |                    |
| Master Plan Study   | \$100,000          | \$60,000           | \$0                | \$0                | \$0                |                                  |                    |
| District Office (1,500 ft <sup>2</sup> )  | \$23,000           | \$23,000           | \$23,000           | \$23,000           | \$23,000           |                                  |                    |
| Office Equipment & Supplies   | \$3,000            | \$3,000            | \$3,000            | \$3,000            | \$3,000            |                                  |                    |
| District Staff  |                    |                    |                    |                    |                    |                                  |                    |
| Administrative  | \$40,000           | \$40,000           | \$40,000           | \$40,000           | \$40,000           |                                  |                    |
| Director  | \$75,000           | \$75,000           | \$75,000           | \$75,000           | \$75,000           |                                  |                    |
| Trustee Stipend / Conferences   | \$15,000           | \$15,000           | \$15,000           | \$15,000           | \$15,000           |                                  |                    |
| Professional Services   |                    |                    |                    |                    |                    |                                  |                    |
| Engineering   | \$10,000           | \$10,000           | \$10,000           | \$10,000           | \$10,000           |                                  |                    |
| Legal   | \$30,000           | \$30,000           | \$30,000           | \$30,000           | \$30,000           |                                  |                    |
| Accounting  | \$5,000            | \$5,000            | \$5,000            | \$5,000            | \$5,000            |                                  |                    |
| Insurance   | \$2,500            | \$2,500            | \$2,500            | \$2,500            | \$2,500            |                                  |                    |
| Billing   | \$25,000           | \$25,000           | \$25,000           | \$25,000           | \$25,000           |                                  |                    |
| <b>SUB TOTAL</b>  | <b>\$328,500</b>   | <b>\$288,500</b>   | <b>\$228,500</b>   | <b>\$228,500</b>   | <b>\$228,500</b>   | <b>\$261,000</b>                 | <b>1.09</b>        |
| <b>TOTAL ANNUAL PROGRAM COST</b>  | <b>\$1,807,500</b> | <b>\$1,780,500</b> | <b>\$1,669,000</b> | <b>\$1,686,000</b> | <b>\$1,704,000</b> | <b>\$1,731,000</b>               | <b>7.21</b>        |

## Moderate 5-Year Program Budget

| Activity   | FY 2006            | FY 2007            | FY 2008            | FY 2009            | FY 2010            | Avg. Annual Cost 5yr Plan Period | Cost/ERU per Month |
|--|--------------------|--------------------|--------------------|--------------------|--------------------|----------------------------------|--------------------|
| <b>Operation and Maintenance Program (+3% inflation/yr)</b>                                      |                    |                    |                    |                    |                    |                                  |                    |
| Storm Water System   | \$152,000          | \$157,000          | \$162,000          | \$167,000          | \$172,000          |                                  |                    |
| Detention Basins   | \$11,000           | \$11,000           | \$12,000           | \$12,000           | \$12,000           |                                  |                    |
| Stream Channels  | \$10,000           | \$10,000           | \$11,000           | \$11,000           | \$11,000           |                                  |                    |
| Miscellaneous (Leaf/Brush Collection, Street Sweeping, Misc. O&M)                                | \$171,000          | \$176,000          | \$181,000          | \$186,000          | \$192,000          |                                  |                    |
| Vehicle/Equipment Acquisition (USED - \$215,000 over 5 years)                                    | \$43,000           | \$43,000           | \$43,000           | \$43,000           | \$43,000           |                                  |                    |
| <b>SUB TOTAL</b>   | <b>\$387,000</b>   | <b>\$397,000</b>   | <b>\$409,000</b>   | <b>\$419,000</b>   | <b>\$430,000</b>   | <b>\$409,000</b>                 | <b>1.70</b>        |
| <b>Regulatory Compliance</b>   |                    |                    |                    |                    |                    |                                  |                    |
| Minimum Control 1 - Public Education & Outreach  | \$15,500           | \$15,500           | \$12,000           | \$12,000           | \$12,000           |                                  |                    |
| Minimum Control 2 - Public Participation & Involvement   | \$5,000            | \$5,000            | \$5,000            | \$5,000            | \$5,000            |                                  |                    |
| Minimum Control 3 - Illicity Discharge Detection/Elimination                                     | \$75,000           | \$70,000           | \$20,000           | \$20,000           | \$20,000           |                                  |                    |
| Minimum Control 4 - Construction Site Runoff Control   | \$500              | \$500              | \$500              | \$500              | \$500              |                                  |                    |
| Minimum Control 5 - Post-Construction Runoff Control   | \$0                | \$15,000           | \$0                | \$0                | \$0                |                                  |                    |
| Minimum Control 6 - Pollution Prevention/Good Housekeeping                                       | \$13,000           | \$0                | \$0                | \$0                | \$0                |                                  |                    |
| OEPA Application Fee   | \$2,000            | \$2,000            | \$2,000            | \$2,000            | \$2,000            |                                  |                    |
| <b>SUB TOTAL</b>   | <b>\$111,000</b>   | <b>\$108,000</b>   | <b>\$39,500</b>    | <b>\$39,500</b>    | <b>\$39,500</b>    | <b>\$68,000</b>                  | <b>0.28</b>        |
| <b>Capital Improvement Program</b><br>(Assumes \$3.95M/10 years in 2005 dollars - Pay as You Go) |                    |                    |                    |                    |                    |                                  |                    |
| <b>SUB TOTAL</b>   | <b>\$395,000</b>   | <b>\$395,000</b>   | <b>\$395,000</b>   | <b>\$395,000</b>   | <b>\$395,000</b>   | <b>\$395,000</b>                 | <b>1.65</b>        |
| <b>Planning and Management</b>   |                    |                    |                    |                    |                    |                                  |                    |
| Master Plan Study  | \$100,000          | \$60,000           | \$0                | \$0                | \$0                |                                  |                    |
| District Office (1,500 ft <sup>2</sup> )   | \$23,000           | \$23,000           | \$23,000           | \$23,000           | \$23,000           |                                  |                    |
| Office Equipment & Supplies  | \$3,000            | \$3,000            | \$3,000            | \$3,000            | \$3,000            |                                  |                    |
| District Staff   |                    |                    |                    |                    |                    |                                  |                    |
| Administrative   | \$40,000           | \$40,000           | \$40,000           | \$40,000           | \$40,000           |                                  |                    |
| Director   | \$75,000           | \$75,000           | \$75,000           | \$75,000           | \$75,000           |                                  |                    |
| Trustee Stipend / Conferences  | \$15,000           | \$15,000           | \$15,000           | \$15,000           | \$15,000           |                                  |                    |
| Professional Services  |                    |                    |                    |                    |                    |                                  |                    |
| Engineering  | \$10,000           | \$10,000           | \$10,000           | \$10,000           | \$10,000           |                                  |                    |
| Legal  | \$30,000           | \$30,000           | \$30,000           | \$30,000           | \$30,000           |                                  |                    |
| Accounting   | \$5,000            | \$5,000            | \$5,000            | \$5,000            | \$5,000            |                                  |                    |
| Insurance  | \$2,500            | \$2,500            | \$2,500            | \$2,500            | \$2,500            |                                  |                    |
| Billing  | \$25,000           | \$25,000           | \$25,000           | \$25,000           | \$25,000           |                                  |                    |
| <b>SUB TOTAL</b>   | <b>\$328,500</b>   | <b>\$288,500</b>   | <b>\$228,500</b>   | <b>\$228,500</b>   | <b>\$228,500</b>   | <b>\$261,000</b>                 | <b>1.09</b>        |
| <b>TOTAL ANNUAL PROGRAM COST</b>   | <b>\$1,221,500</b> | <b>\$1,188,500</b> | <b>\$1,072,000</b> | <b>\$1,082,000</b> | <b>\$1,093,000</b> | <b>\$1,133,000</b>               | <b>4.73</b>        |

## Recommended and Moderate O&M Key Differences

- Recommended Program O&M
  - 4 Maintenance Staff and 1 Crew Leader/Superintendent
- Moderate Program O&M
  - 3 Maintenance Staff and a ½-Time Crew Leader/Superintendent



## User Fee Options

| Storm Water Program Component  | Cost / ERU / Month |
|--|--------------------|
| <b>Operation &amp; Maintenance</b>                                   |                    |
| Recommended  | \$ 2.26            |
| Moderate   | \$ 1.41            |
| Miscellaneous - Leaf Collection                                      | \$ 0.29            |
| <b>Regulatory Compliance</b>   |                    |
| Phase II NPDES (Minimum Controls 1 - 6)                              | \$ 0.28            |
| <b>Storm Water Capital Projects (\$3.95 Million in 2005 dollars)</b> |                    |
| 5 Year Pay-as-you-go   | \$ 3.29            |
| 7 Year Pay-as-you-go   | \$ 2.35            |
| 10 Year Pay-as-you-go  | \$ 1.65            |
| 20 Year Pay-as-you-go  | \$ 0.83            |
| <b>Planning and Management</b>                                       |                    |
| SW Program Planning, Administration, & Professional Services         | \$ 1.09            |

Leaf Collection separated from other Miscellaneous O&M at the Township's request

7-yr & 20-Year CIP Pay-As-You-Go Options Added

Based on Assumption of 20,000 Billing Units  
(95% Collection Rate, rounded down to nearest 1,000 units)



## Service Fee Options

| O&M Level of Service   | Leaf Collection (yes/no) | CIP     | \$/ERU/Month |
|------------------------|--------------------------|---------|--------------|
| Recommended            | YES                      | 5-YEAR  | \$ 7.17      |
| Recommended            | NO                       | 5-YEAR  | \$ 6.88      |
| Recommended            | YES                      | 7-YEAR  | \$ 6.28      |
| Recommended            | NO                       | 7-YEAR  | \$ 5.98      |
| Recommended            | YES                      | 10-YEAR | \$ 5.57      |
| Recommended            | NO                       | 10-YEAR | \$ 5.28      |
| Recommended            | YES                      | 20-YEAR | \$ 4.75      |
| Recommended            | NO                       | 20-YEAR | \$ 4.46      |
| Moderate               | YES                      | 5-YEAR  | \$ 6.36      |
| Moderate               | NO                       | 5-YEAR  | \$ 6.07      |
| Moderate               | YES                      | 7-YEAR  | \$ 5.43      |
| Moderate               | NO                       | 7-YEAR  | \$ 5.13      |
| Moderate               | YES                      | 10-YEAR | \$ 4.72      |
| Moderate               | NO                       | 10-YEAR | \$ 4.43      |
| Moderate               | YES                      | 20-YEAR | \$ 3.90      |
| Moderate               | NO                       | 20-YEAR | \$ 3.61      |
| Range of Program Costs |                          |         |              |
|                        | Low                      | \$      | 3.61         |
|                        | High                     | \$      | 7.17         |

\$7 Program

\$6 - \$6.25 Program

\$5.25 - \$5.50 Program

\$4.50 - \$4.75 Program

\$6 - \$6.25 Program

\$5.25 - \$5.50 Program

\$4.50 - \$4.75 Program

\$3.75 - \$4 Program



Based on Assumption of 20,000 Billing Units  
(95% Collection Rate, rounded down to nearest 1,000 units)



## SWAC Recommendations

The Storm Water Advisory Committee recommends that the Deerfield Regional Storm Water District continue/begin the implementation of the following program elements in 2006:

- Regulatory Compliance
- Operation and Maintenance
- Planning/Management/Administration
- Capital Improvement Program
- Funding Source
- Adjustment/Credit Policy
- Billing Method



## Deerfield SWAC Recommendations

### Storm Water Advisory Committee Recommends the Following:

That the Deerfield Regional Storm Water District implement a Storm Water Service Fee with a rate not to exceed \$5.00 per month for each residential dwelling unit and the same rate for all equivalent residential units (ERUs) for non-residential properties. Each non-residential property will be charged one ERU (or \$5.00 per month) for each 3,407 square feet of impervious surface on the property, which will be calculated from aerial photography. The Service Fee should be implemented by March, 2006. This will allow the District to establish an operation and maintenance staff of 3.5 workers contracted through Deerfield Township. The fee will also allow the District to complete \$3.95M in capital projects within a period of 5 years, with 50% funded as 5-year pay-as-you-go and 50% funded through a 15-year payment schedule. The District should also draft a credit and adjustment policy for non-residential property owners who provide savings to the District.

**CDM**

