

# **ANNUAL UPDATE AND INVENTORY REPORT ON PUBLIC FACILITIES 2014**

## **CATEGORY “C” FACILITIES**

1. County Coastal Zone Areas
  - Beaches
  - Inlets

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# COASTAL ZONE MANAGEMENT

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**2014 AUIR SUMMARY**  
**COASTAL ZONE MANAGEMENT**

**Area Type:** Coastal Zones (Category C)

Using the adopted Beaches and Waterways Master Plan, and the Standards established for Sustainability (see Attachment "A" – Coastal Zones), the following is set forth for FY 2014/15 to FY 2018/19:

**Expenditures**

|                            |                      |
|----------------------------|----------------------|
| Projects and Program Costs | \$ 31,509,700        |
| Reserves – General         | \$ 1,163,600         |
| Reserve – Catastrophe *    | \$ 7,570,000         |
| Reserve – Reimbursement ** | \$ 13,200,000        |
| <b>Total Expenditures</b>  | <b>\$ 53,443,300</b> |

**Revenues**

|  |                     |
|--|---------------------|
| TDC Revenue – Category A                                   | \$ 31,825,100       |
| Interest & Misc. Sources                                   | \$ 421,100          |
| Available cash for Future projects/Payment of Debt Service | \$ 21,523,200       |
| Revenue Reserve  | (\$ 326,100)        |
| <b>Total Revenues</b>                                      | <b>\$53,443,300</b> |

|  |      |
|--|------|
| Surplus or (Deficit) Revenues for 5-year Capital Program | \$ 0 |
| Revenues needed to maintain Sustainability               | \$ 0 |

**Recommendation:**

That the BCC approve the proposed Coastal Zone Management AUIR for FY 2014/15 – FY 2018/19.

**Notes:**

\* Catastrophe funds are accumulated at a rate of \$500,000/yr. up to a maximum of \$10,000,000.

\*\* A reserve in the amount of \$13.2 million has been established for potential federal and state reimbursements. The status of the reserve relative to de-obligation is subject to change. Some movement has been made relative to appeals and reduction of de-obligation liability, and applied credits for other Project Worksheets (PWs).

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**TDC Beach Renourishment Capital Fund (195)  
2014 AUIR**

8/8/2014

| Description                    | FY 2015           | FY 2016           | FY 2017           | FY 2018           | FY 2019           | 5 Year              |
|--------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|---------------------|
|                                | Proposed          | Proforma          | Proforma          | Proforma          | Proforma          | FY15 -FY19<br>Total |
| <b>Expenditures</b>            |                   |                   |                   |                   |                   |                     |
| Projects & Program Costs       | 6,187,700         | 8,161,700         | 5,320,600         | 5,595,700         | 6,244,000         | 31,509,700          |
| Reserves General               | 2,611,200         | 371,300           | 999,200           | 1,387,800         | 1,163,600         | 1,163,600           |
| Reserve for Catastrophe (1)    | 5,570,000         | 6,070,000         | 6,570,000         | 7,070,000         | 7,570,000         | 7,570,000           |
| Reserve for Renourishment (1)  | -                 | -                 | -                 | -                 | -                 | -                   |
| Reimbursement Reserves (2)     | 13,200,000        | 13,200,000        | 13,200,000        | 13,200,000        | 13,200,000        | 13,200,000          |
| <b>Total Expenditures/Uses</b> | <b>27,568,900</b> | <b>27,803,000</b> | <b>26,089,800</b> | <b>27,253,500</b> | <b>28,177,600</b> | <b>53,443,300</b>   |
| <b>Revenue</b>                 |                   |                   |                   |                   |                   |                     |
| TDC Taxes                      | 6,276,600         | 6,339,400         | 6,371,100         | 6,403,000         | 6,435,000         | 31,825,100          |
| Interest & Misc.               | 87,300            | 85,500            | 78,600            | 83,100            | 86,600            | 421,100             |
| Available Cash for Future Uses | 21,523,200        | 21,381,200        | 19,641,300        | 20,769,200        | 21,657,800        | 21,523,200          |
| Revenue Reserve                | (318,200)         | (3,100)           | (1,200)           | (1,800)           | (1,800)           | (328,100)           |
| <b>Total Revenue/Sources</b>   | <b>27,568,900</b> | <b>27,803,000</b> | <b>26,089,800</b> | <b>27,253,500</b> | <b>28,177,600</b> | <b>53,443,300</b>   |

Note (1): Catastrophe Reserves are accumulated at a rate of \$500,000 per year up to a maximum of \$10 million.

Renourishment Reserves are proposed to be budgeted as project appropriations and available to be expended annually at a rate of \$2.5 million per year.

Note (2): A reserve in the amount of \$13.2 million has been established for potential federal and state repayments associated with overlapping reimbursement programs and FEMA project reimbursement issues.

TDC Beach Renourishment Capital Fund (195)  
195 Fund Projections For 2014 AUIR

6/8/2014

| Project No.                         | Description                            | FY 2014                               | FY 2015    | FY 2016    | FY 2017    | FY 2018    | FY 2019    | FY 2020    | FY 2021    | FY 2022    | FY 2023    | FY 2024    | 5 Year     | 10 Year           |
|-------------------------------------|--|---------------------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|-------------------|
|                                     |  | Budget Forecast                       | Proposed   | Pro Forma  | Pro Forma  | Pro Forma  | Pro Forma  | Pro Forma  | Pro Forma  | Pro Forma  | Pro Forma  | Pro Forma  | Pro Forma  | FY15 - FY19 Total |
| 80086                               | Projects                               | 9,934,700                             | 2,500,000  | 2,500,000  | 2,500,000  | 2,500,000  | 2,500,000  | 2,500,000  | 2,500,000  | 2,500,000  | 2,500,000  | 2,500,000  | 12,500,000 | 25,000,000        |
| 80096-1                             | Collier Beach-15 year Multi Use Permit | -                                     | 110,000    | -          | -          | -          | -          | -          | -          | -          | -          | -          | 110,000    | 110,000           |
| 80185                               | Projects                               | 171,700                               | -          | -          | -          | -          | -          | -          | -          | -          | -          | -          | -          | -                 |
| 80186                               | County Beach Analysis & Design         | -                                     | 75,000     | 520,000    | -          | 35,000     | 1,000,000  | -          | -          | -          | -          | 1,000,000  | 1,635,000  | 2,600,000         |
| 80171                               | Maint                                  | 41,900                                | 40,000     | 40,000     | 40,000     | 40,000     | 40,000     | 40,000     | 40,000     | 40,000     | 40,000     | 40,000     | 200,000    | 400,000           |
| 80203                               | Maint                                  | 662,600                               | -          | 85,000     | 25,000     | 750,000    | 25,000     | 65,000     | 25,000     | 750,000    | 150,000    | 25,000     | 885,000    | 1,795,000         |
| 80210                               | Reg                                    | 76,100                                | -          | -          | -          | -          | -          | -          | -          | -          | -          | -          | -          | 300,000           |
| 80211                               | Projects                               | MI Beach Renourishment                | -          | -          | -          | -          | -          | -          | -          | -          | -          | -          | -          | -                 |
| New                                 | Projects                               | MI Central Sand Mining Study & Permit | 185,000    | -          | 1,000,000  | -          | -          | -          | -          | -          | -          | -          | -          | 1,185,000         |
| 80032                               | Projects                               | 81,000                                | 441,500    | 26,000     | 26,000     | 26,000     | 500,000    | 28,000     | 26,000     | 26,000     | 500,000    | 26,000     | 1,018,500  | 1,623,500         |
| 80020                               | Admin                                  | 116,400                               | 62,100     | 150,000    | 75,000     | 35,000     | 35,000     | 35,000     | 35,000     | 35,000     | 35,000     | 35,000     | 357,100    | 522,100           |
| 90033                               | Reg                                    | 105,200                               | -          | 160,000    | 160,000    | 160,000    | 160,000    | 160,000    | 160,000    | 160,000    | 160,000    | 160,000    | 640,000    | 1,440,000         |
| 90038                               | Reg                                    | 203,300                               | 75,000     | 75,000     | 75,000     | 75,000     | 75,000     | 75,000     | 75,000     | 75,000     | 75,000     | 75,000     | 375,000    | 750,000           |
| 90044                               | Maint                                  | 200,000                               | 682,000    | -          | -          | -          | -          | -          | -          | -          | -          | -          | -          | -                 |
| 90062                               | Reg                                    | 169,700                               | -          | -          | -          | -          | -          | -          | -          | -          | -          | -          | -          | -                 |
| 90086                               | Projects                               | 200,000                               | 682,000    | -          | -          | -          | -          | -          | -          | -          | -          | -          | -          | -                 |
| 90285                               | Projects                               | 40,000                                | -          | -          | -          | -          | -          | -          | -          | -          | -          | -          | -          | -                 |
| 90327                               | Maint                                  | 132,900                               | 160,900    | 133,000    | 133,000    | 135,000    | 135,000    | 135,000    | 135,000    | 135,000    | 135,000    | 135,000    | 686,900    | 1,371,900         |
| 90533                               | Maint                                  | 180,400                               | 250,600    | 160,900    | 160,000    | 160,000    | 240,000    | 160,000    | 160,000    | 160,000    | 160,000    | 160,000    | 970,600    | 1,770,600         |
| 90536                               | Reg                                    | 238,600                               | 410,000    | 212,200    | 212,200    | 235,000    | 235,000    | 235,000    | 235,000    | 235,000    | 235,000    | 235,000    | 1,304,400  | 2,479,400         |
| TBD                                 | Projects                               | 776,100                               | -          | 25,000     | 850,000    | 25,000     | 25,000     | 25,000     | 850,000    | 25,000     | 25,000     | 25,000     | 925,000    | 1,875,000         |
| 90549                               | Projects                               | 150,000                               | 150,000    | 2,000,000  | -          | -          | -          | -          | -          | -          | -          | -          | -          | -                 |
| New                                 | Projects                               | 150,000                               | 150,000    | 166,500    | 166,500    | 166,500    | 166,500    | 166,500    | 166,500    | 166,500    | 166,500    | 166,500    | 826,000    | 1,658,500         |
| Transfer                            | Reg                                    | -                                     | -          | -          | -          | -          | -          | -          | -          | -          | -          | -          | -          | -                 |
| Sub Total Projects                  |  | 13,338,900                            | 5,312,100  | 7,257,700  | 4,422,700  | 4,892,500  | 5,336,500  | 3,842,500  | 4,607,500  | 4,657,500  | 4,481,500  | 5,132,500  | 27,021,500 | 49,713,000        |
| Trans to 194                        | Interest Redirection                   | 150,000                               | 87,300     | 85,500     | 78,600     | 83,100     | 86,600     | 87,700     | 84,900     | 89,200     | 103,400    | 108,600    | 421,100    | 914,900           |
| Trans to 195                        | Project Management & Admin             | 945,300                               | 643,300    | 660,000    | 660,000    | 660,000    | 660,000    | 660,000    | 660,000    | 660,000    | 660,000    | 660,000    | 3,283,300  | 6,583,300         |
| Trans Tax Coll                      | Revenue Collection Expense             | 142,700                               | 145,000    | 156,500    | 156,300    | 160,100    | 160,800    | 161,700    | 162,500    | 163,300    | 164,100    | 164,900    | 783,800    | 1,600,300         |
| Sub Total Program Costs & Transfers |  | 935,500                               | 875,600    | 994,000    | 897,600    | 903,200    | 907,600    | 909,400    | 917,400    | 922,500    | 927,500    | 933,500    | 4,468,200  | 9,066,500         |
| Sub Total Projects & Program Costs  |  | 14,274,900                            | 6,187,700  | 8,161,700  | 5,320,600  | 5,695,700  | 6,244,000  | 4,751,900  | 5,524,900  | 5,680,000  | 5,379,000  | 6,066,000  | 31,609,700 | 59,811,500        |
| Reserves for Contingency            |  | -                                     | -          | -          | -          | -          | -          | -          | -          | -          | -          | -          | -          | -                 |
| Cap-Reserve for Catastrophe         |  | -                                     | 5,670,000  | 6,070,000  | 6,670,000  | 7,070,000  | 7,570,000  | 8,070,000  | 8,570,000  | 9,070,000  | 9,570,000  | 10,000,000 | 7,570,000  | 10,000,000        |
| Cap-Reserve Beach renourishment     |  | -                                     | 2,811,200  | 371,300    | 969,200    | 1,387,800  | 1,163,600  | 2,464,800  | 3,032,400  | 3,681,800  | 4,359,100  | 4,577,300  | 1,163,600  | 4,577,300         |
| Cap-Reserve Unrestricted            |  | -                                     | 2,000,000  | 2,000,000  | 2,000,000  | 2,000,000  | 2,000,000  | 2,000,000  | 2,000,000  | 2,000,000  | 2,000,000  | 2,000,000  | 2,000,000  | 2,000,000         |
| Reserve-FDEP Refunding              |  | -                                     | 11,200,000 | 11,200,000 | 11,200,000 | 11,200,000 | 11,200,000 | 11,200,000 | 11,200,000 | 11,200,000 | 11,200,000 | 11,200,000 | 11,200,000 | 11,200,000        |
| Reserve-FEMA De-obligation          |  | -                                     | 21,381,200 | 19,641,300 | 20,769,200 | 21,657,900 | 21,933,600 | 23,734,900 | 24,902,400 | 25,851,800 | 27,138,100 | 27,777,300 | 21,933,600 | 27,777,300        |
| Sub Total Reserves (9/1/15)         |  | -                                     | 40,952,400 | 39,184,500 | 40,740,500 | 41,261,700 | 41,807,600 | 43,700,700 | 44,674,400 | 45,622,300 | 46,570,400 | 47,519,300 | 39,184,500 | 40,740,500        |
| Total Fund Expenditures             |  | 14,274,900                            | 27,589,900 | 27,809,000 | 26,089,800 | 27,253,600 | 28,177,600 | 29,465,600 | 30,327,300 | 31,431,800 | 32,516,100 | 33,643,300 | 63,443,300 | 86,686,800        |



## Attachment "A" – Coastal Zones

### Standards for Sustainability:

1. Dry beach width of 100 feet for the Vanderbilt and Naples beaches and 85 feet for the Park Shore beaches as measured from the 2003 beach width benchmark developed by Florida Department of Environmental Protection (FDEP) and Collier County. The area is located between Florida DEP reference monuments R-22 and R-79 with the shoreline largely within critically eroded areas as designated by the FDEP.
2. Marco South dry beach width of 100 feet for critically eroded south beach from R143 to R148.
3. Annual beach and Inlet monitoring reports evaluated annually along with composite erosion rates tabulated by R-monument and summarized by beach segment.
4. Inlet maintenance activities are verified by annual monitoring and identified as follows:
  - Wiggins Pass – Major dredging event every four years and supplemented by a minor dredging event every two years and verified with annual monitoring.
  - Clam Pass – Major dredging event as required to achieve sustainable tidal flushing but generally expected every 3-4 years and verified by annual monitoring.
  - Doctors Pass - Major dredging event every four plus years and verified with annual monitoring.
  - Caxambas Pass - Major dredging event every five plus years and verified with annual monitoring.
  - Capri Pass/Collier Creek Entrance Channel - Dredging event every five plus years and verified with annual monitoring.
5. Beach maintenance and cleaning as required providing beach serviceability. Exotic species removal as required.
6. Compliance with permit and regulatory conditions: sand quality, physical and biological survey/monitoring, near shore hardbottom protection, dune vegetation maintenance/repair and endangered species avoidance and habitat protection.

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