

COUNTY SEWER TREATMENT AND COLLECTION SYSTEM

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- CHART – NORTH COUNTY WATER RECLAMATION FACILITY LOSS: 120 GPCD
- WASTEWATER SYSTEM – LEVEL OF SERVICE STANDARDS (LOSS) ASSESSMENT FOR SOUTH COUNTY WATER RECLAMATION FACILITY (SCWRF) SERVICE AREA
- CHART - SOUTH COUNTY WATER RECLAMATION FACILITY LOSS: 100 GPCD
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Collier County Government
Public Utilities Division
2010 ANNUAL UPDATE AND INVENTORY REPORT (AUIR)

COLLIER COUNTY WATER SEWER DISTRICT - WASTEWATER SYSTEM

Introduction:

The Public Utilities Division's 2010 AUIR submittals are based on the "Collier County Water & Sewer Districts Population Estimates and Projections" dated June 11, 2010, prepared by Collier County Comprehensive Planning Section. Populations are based on using Bureau of Economic and Business Research (BEBR) Medium Range growth rate through 2029. There is one notable change from the 2009 Collier County Water Sewer District (CCWSD) Wastewater System AUIR:

- The Comprehensive Planning Section's projected rate of population growth allows existing plants to maintain capacity reliability without plant expansions or new plant construction. When demand projections increase, the hibernated Northeast Water Reclamation Facility is 100% designed and can be reactivated, permitted, and constructed in four to five years.

Recommendation:

The Public Utilities Division's staff recommends that the Collier County Board of County Commissioners approve the 2010 CCWSD Wastewater System AUIR.

Collier County Government
Public Utilities Division
2010 ANNUAL UPDATE AND INVENTORY REPORT (AUIR)

**WASTEWATER SYSTEM - LEVEL OF SERVICE STANDARDS (LOSS) ASSESSMENT
FOR NORTH COUNTY WATER RECLAMATION FACILITY (NCWRF) SERVICE AREA**

July 15, 2010

1	2	3	4	5	6	7	8	9
Fiscal Year	Peak Population	Required Capacity @ 120 gpcd MGD	Required Capacity increase from previous year MGD	Constructed Capacity On-line MGD	New Plant Capacity MGD	Total Available Constructed Capacity MGD	Retained/ (Deficit) Constructed Capacity MGD	Retained/ (Deficit) Constructed Capacity Target Values MGD
2001	79,834	9.58		12.30	6.50	18.80	9.22	1.0 (Min) - 3.5 (Max)
2002	87,226	10.47	0.89	18.80		18.80	8.33	1.0 (Min) - 3.5 (Max)
2003	94,318	11.32	0.85	18.80		18.80	7.48	1.0 (Min) - 3.5 (Max)
2004	100,503	12.06	0.74	18.80		18.80	6.74	1.0 (Min) - 3.5 (Max)
2005	105,519	12.66	0.60	18.80	5.30	24.10	11.44	1.0 (Min) - 3.5 (Max)
2006	108,664	13.04	0.38	24.10		24.10	11.06	1.0 (Min) - 3.5 (Max)
2007	109,742	13.17	0.13	24.10		24.10	10.93	1.0 (Min) - 3.5 (Max)
2008	109,687	13.16	(0.01)	24.10		24.10	10.94	1.0 (Min) - 3.5 (Max)
2009	110,020	13.20	0.04	24.10		24.10	10.90	1.0 (Min) - 3.5 (Max)
2010	111,624	13.39	0.19	24.10		24.10	10.71	1.0 (Min) - 3.5 (Max)
2011	114,550	13.75	0.35	24.10		24.10	10.35	1.0 (Min) - 3.5 (Max)
2012	117,474	14.10	0.35	24.10		24.10	10.00	1.0 (Min) - 3.5 (Max)
2013	120,428	14.45	0.35	24.10		24.10	9.65	1.0 (Min) - 3.5 (Max)
2014	123,411	14.81	0.36	24.10		24.10	9.29	1.0 (Min) - 3.5 (Max)
2015	126,680	15.20	0.39	24.10		24.10	8.90	1.0 (Min) - 3.5 (Max)
2016	130,245	15.63	0.43	24.10		24.10	8.47	1.0 (Min) - 3.5 (Max)
2017	133,836	16.06	0.43	24.10		24.10	8.04	1.0 (Min) - 3.5 (Max)
2018	137,454	16.49	0.43	24.10		24.10	7.61	1.0 (Min) - 3.5 (Max)
2019	140,813	16.90	0.40	24.10		24.10	7.20	1.0 (Min) - 3.5 (Max)
2020	143,388	17.21	0.31	24.10		24.10	6.89	1.0 (Min) - 3.5 (Max)
2021	145,508	17.46	0.25	24.10		24.10	6.64	1.0 (Min) - 3.5 (Max)
2022	147,883	17.75	0.29	24.10		24.10	6.35	1.0 (Min) - 3.5 (Max)
2023	150,457	18.05	0.31	24.10		24.10	6.05	1.0 (Min) - 3.5 (Max)
2024	153,087	18.37	0.32	24.10		24.10	5.73	1.0 (Min) - 3.5 (Max)
2025	155,277	18.63	0.26	24.10		24.10	5.47	1.0 (Min) - 3.5 (Max)
2026	157,269	18.87	0.24	24.10		24.10	5.23	1.0 (Min) - 3.5 (Max)
2027	159,554	19.15	0.27	24.10		24.10	4.95	1.0 (Min) - 3.5 (Max)
2028	162,102	19.45	0.31	24.10		24.10	4.65	1.0 (Min) - 3.5 (Max)
2029	166,746	20.01	0.56	24.10		24.10	4.09	1.0 (Min) - 3.5 (Max)

Collier County Government
Public Utilities Division
2010 ANNUAL UPDATE AND INVENTORY REPORT (AUIR)

**WASTEWATER SYSTEM - LEVEL OF SERVICE STANDARDS (LOSS) ASSESSMENT
FOR NORTH COUNTY WATER RECLAMATION FACILITY (NCWRF) SERVICE AREA**

July 15, 2010

Notes: (References are to the column numbers on previous page)

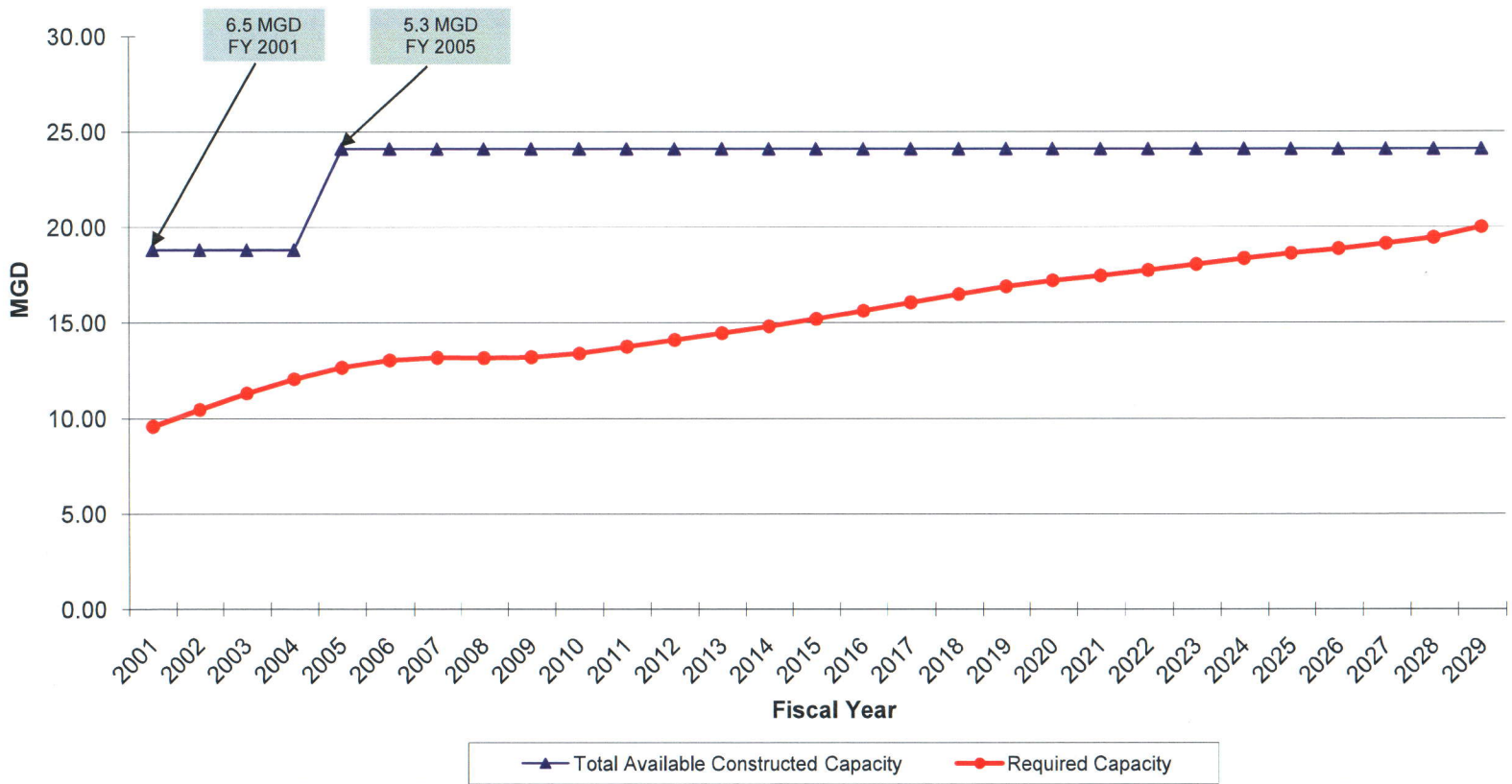
1. Fiscal Year starts October 1 and ends September 30.
2. Peak Population. Estimates and projections for the existing service area are based on the "Collier County Water & Sewer Districts Population Estimates and Projections" dated June 11, 2010, prepared by Collier County Comprehensive Planning Section. Populations are based on using Bureau of Economic and Business Research (BEBR) Medium Range growth rate through 2029.
NOTE: The populations shown include the Northeast Service Area. The populations shown between FY 2022 and 2029 reflect the transfer of an estimated 200,000 gallons per day of wastewater flow through interconnects from the Orange Tree Service Area. The populations shown in 2028 and 2029 reflect the transfer of an estimated 300,000 gallons per day of wastewater flow through interconnects from the South County Water Reclamation Facility (SCWRF).
3. Required Capacity @ 120 gpcd is obtained by multiplying the Peak Population (Column 2) times 120 gallons per capita per day (gpcd). 120 gpcd is the established Level of Service Standard (LOSS) for the North Service Area as adopted in the 2008 Wastewater Master Plan Update approved by the Board of County Commissioners on June 24, 2008. See graph on page WW-4.
4. Required Capacity increase from previous year is the increase between the Required Capacity @ 120 gpcd (Column 3) for the year listed and the previous year.
5. Constructed Capacity On-line is the plant capacity at the beginning of the fiscal year in Million Gallons per Day (MGD). All plant capacities are reliable plant capacities stated in Maximum Month Average Daily Flow (MMADF) per FDEP permit requirements.
6. New Plant Capacity schedule is as follows:

Fiscal Year	New Plant Capacity	Source of Information
2001	6.5 MGD	Completed
2005	6.5 MGD	Completed
2005	-1.2 MGD	Completed (Pelican Bay WRF decommissioned)
2005 Total:	5.3 MGD	Sum of 2005 capacity improvements.

7. Total Available Constructed Capacity in MGD, also represented graphically on WW-4 (Column 5 + Column 6).
8. Retained/(Deficit) Constructed Capacity is the difference between Total Available Constructed Capacity (Column 7) and Required Capacity (Column 3).
9. Retained/(Deficit) Constructed Capacity Target Values for planning purposes are 1.0 MGD minimum and 3.5 MGD maximum through FY 2029. The target minimum capacities represent the projected increase in the next year's wastewater flow (Column 4) and the target maximum capacities represent the projected increase in wastewater flow for the next eight years.

Collier County Government
Public Utilities Division
2010 ANNUAL UPDATE AND INVENTORY REPORT (AUIR)
Wastewater- North County Water Reclamation Facility (NCWRF)
 Level of Service Standard: 120 gpcd

July 15, 2010



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Collier County Government
Public Utilities Division
2010 ANNUAL UPDATE AND INVENTORY REPORT (AUIR)

**WASTEWATER SYSTEM - LEVEL OF SERVICE STANDARDS (LOSS) ASSESSMENT
FOR SOUTH COUNTY WATER RECLAMATION FACILITY (SCWRF) SERVICE AREA**

July 15, 2010

1	2	3	4	5	6	7	8	9
Fiscal Year	Peak Population	Required Capacity @ 100 gpcd MGD	Required Capacity increase from previous year MGD	Constructed Capacity On- line MGD	New Plant Capacity MGD	Total Available Constructed Capacity MGD	Retained/ (Deficit) Constructed Capacity MGD	Retained/ (Deficit) Constructed Capacity Target Value MGD
2001	86,667	8.67		9.20		9.20	0.53	0.50 (Min)
2002	90,059	9.01	0.34	9.20		9.20	0.19	0.50 (Min)
2003	93,729	9.37	0.37	9.20		9.20	(0.17)	0.50 (Min)
2004	97,428	9.74	0.37	9.20	6.80	16.00	6.26	0.50 (Min)
2005	101,227	10.12	0.38	16.00		16.00	5.88	0.50 (Min)
2006	104,139	10.41	0.29	16.00		16.00	5.59	0.50 (Min)
2007	105,297	10.53	0.12	16.00		16.00	5.47	0.50 (Min)
2008	105,297	10.53	0.00	16.00		16.00	5.47	0.50 (Min)
2009	105,413	10.54	0.01	16.00		16.00	5.46	0.50 (Min)
2010	106,611	10.66	0.12	16.00		16.00	5.34	0.50 (Min)
2011	108,826	10.88	0.22	16.00		16.00	5.12	0.50 (Min)
2012	111,069	11.11	0.22	16.00		16.00	4.89	0.50 (Min)
2013	113,351	11.34	0.23	16.00		16.00	4.66	0.50 (Min)
2014	115,664	11.57	0.23	16.00		16.00	4.43	0.50 (Min)
2015	118,191	11.82	0.25	16.00		16.00	4.18	0.50 (Min)
2016	120,943	12.09	0.28	16.00		16.00	3.91	0.50 (Min)
2017	123,738	12.37	0.28	16.00		16.00	3.63	0.50 (Min)
2018	126,588	12.66	0.29	16.00		16.00	3.34	0.50 (Min)
2019	129,505	12.95	0.29	16.00		16.00	3.05	0.50 (Min)
2020	132,298	13.23	0.28	16.00		16.00	2.77	0.50 (Min)
2021	134,958	13.50	0.27	16.00		16.00	2.50	0.50 (Min)
2022	137,674	13.77	0.27	16.00		16.00	2.23	0.50 (Min)
2023	140,446	14.04	0.28	16.00		16.00	1.96	0.50 (Min)
2024	143,275	14.33	0.28	16.00		16.00	1.67	0.50 (Min)
2025	145,922	14.59	0.26	16.00		16.00	1.41	0.50 (Min)
2026	148,385	14.84	0.25	16.00		16.00	1.16	0.50 (Min)
2027	150,897	15.09	0.25	16.00		16.00	0.91	0.50 (Min)
2028	155,000	15.50	0.41	16.00		16.00	0.50	0.50 (Min)
2029	155,000	15.50	0.00	16.00		16.00	0.50	0.50 (Min)

Collier County Government
Public Utilities Division
2010 ANNUAL UPDATE AND INVENTORY REPORT (AUIR)

**WASTEWATER SYSTEM - LEVEL OF SERVICE STANDARDS (LOSS) ASSESSMENT
FOR SOUTH COUNTY WATER RECLAMATION FACILITY (SCWRF) SERVICE AREA**

July 15, 2010

Notes: (References are to the column numbers on previous page)

1. Fiscal Year starts October 1 and ends September 30.
2. Peak Population. Estimates and projections for the existing service area are based on the "Collier County Water & Sewer Districts Population Estimates and Projections" dated June 11, 2010, prepared by Collier County Comprehensive Planning Section. Populations are based on using Bureau of Economic and Business Research (BEBR) Medium Range growth rate through 2029.
NOTE: The populations shown include the Southeast Service Area. The populations shown in 2028 and 2029 reflect transfer of an estimated 300,000 gallons per day of wastewater flow through interconnects to the NCWRF.
3. Required Capacity @ 100 gpcd is obtained by multiplying the Peak Population (Column 2) times 100 gallons per capita per day (gpcd). 100 gpcd is the established Level of Service Standard (LOSS) for the South Service Area as adopted in the 2008 Wastewater Master Plan Update approved by the Board of County Commissioners on June 24, 2008. See graph on page WW-7.
4. Required Capacity increase from previous year is the increase between the Required Capacity @ 100 gpcd (Column 3) for the year listed and the previous year.
5. Constructed Capacity On-line is the plant capacity at the beginning of the fiscal year in Million Gallons per Day (MGD). All plant capacities are reliable plant capacities stated in Maximum Month Average Daily Flow (MMADF) per FDEP permit requirements.
6. New Plant Capacity schedule is as follows:

Fiscal Year	New Plant Capacity	Source of Information
2004	6.8 MGD	Completed

7. Total Available Constructed Capacity in MGD, also represented graphically on page WW-7 (Column 5 + Column 6).
8. Retained/(Deficit) Constructed Capacity is the difference between Total Available Constructed Capacity (Column 7) and Required Capacity (Column 3).
9. Retained/(Deficit) Constructed Capacity Target Value for planning purposes is 0.50 MGD minimum through 2029. The target minimum capacities represent the projected increase in the next year's wastewater flow (Column 4). The SCWRF does not have a target maximum capacity due to no space for expansion.

Collier County Government
Public Utilities Division
2010 ANNUAL UPDATE AND INVENTORY REPORT (AUIR)

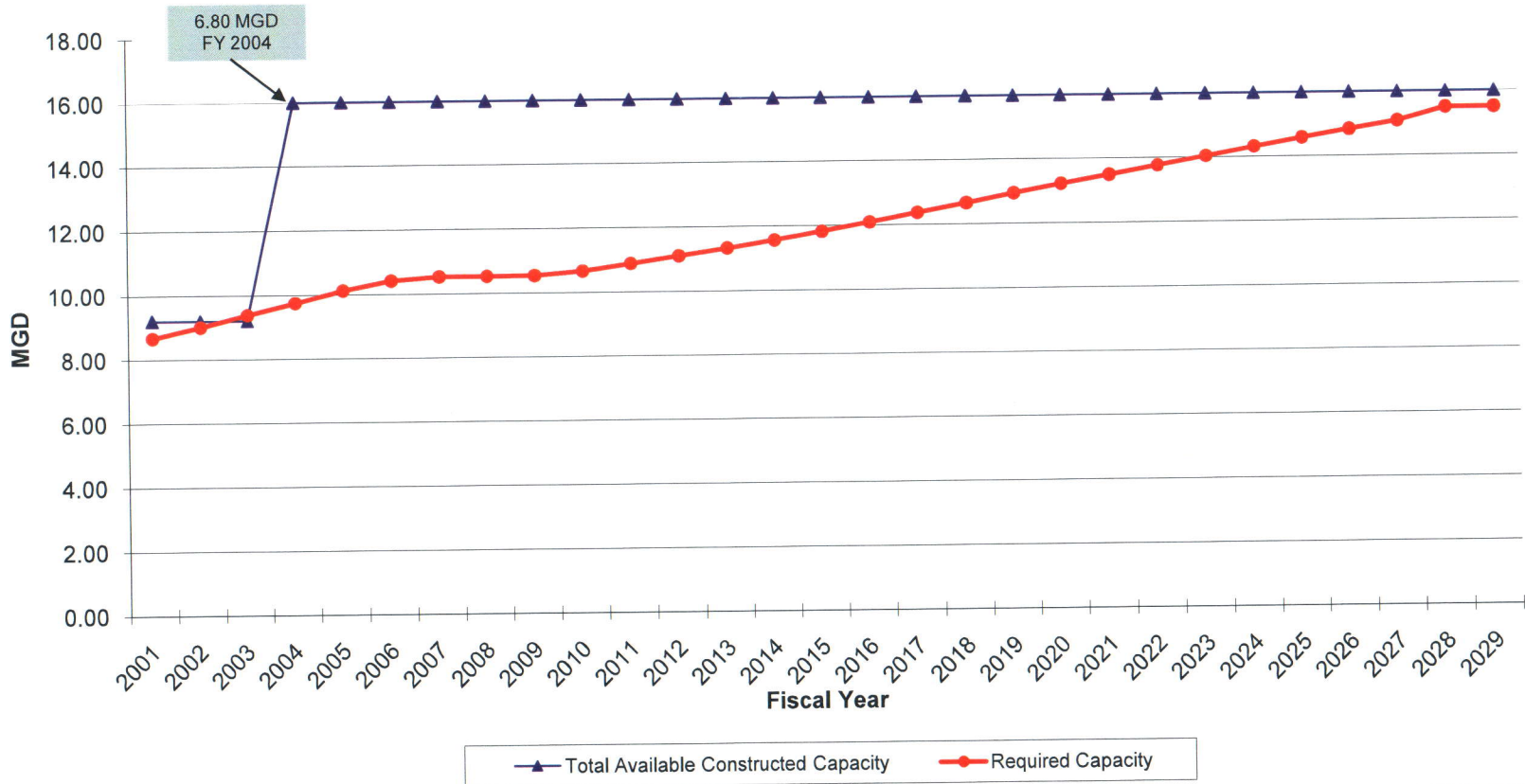
**WASTEWATER SYSTEM - LEVEL OF SERVICE STANDARDS (LOSS) ASSESSMENT
FOR PROPOSED NORTHEAST WATER RECLAMATION FACILITY (NEWRF) SERVICE AREA**

July 15, 2010

1	2	3	4	5	6	7	8	9
Fiscal Year	Peak Population	Required Capacity @ 120 gpcd MGD	Required Capacity increase from previous year MDG	Constructed Capacity On- line MGD	New Plant Capacity MGD	Total Available Constructed Capacity MGD	Retained/ (Deficit) Constructed Capacity MGD	Retained/ (Deficit) Constructed Capacity Target Values MGD
2001	0	0.00		0.00		0.00	0.00	
2002	0	0.00	0.00	0.00		0.00	0.00	
2003	0	0.00	0.00	0.00		0.00	0.00	
2004	0	0.00	0.00	0.00		0.00	0.00	
2005	0	0.00	0.00	0.00		0.00	0.00	
2006	0	0.00	0.00	0.00		0.00	0.00	
2007	0	0.00	0.00	0.00		0.00	0.00	
2008	0	0.00	0.00	0.00		0.00	0.00	
2009	0	0.00	0.00	0.00		0.00	0.00	
2010	0	0.00	0.00	0.00		0.00	0.00	
2011	0	0.00	0.00	0.00		0.00	0.00	
2012	5,164	0.62	0.62	0.00	1.10	1.10	0.48	0.1 (Min) - 1.0 (Max)
2013	5,448	0.65	0.03	1.10		1.10	0.45	0.1 (Min) - 1.0 (Max)
2014	5,737	0.69	0.03	1.10		1.10	0.41	0.1 (Min) - 1.0 (Max)
2015	6,055	0.73	0.04	1.10		1.10	0.37	0.1 (Min) - 1.0 (Max)
2016	6,404	0.77	0.04	1.10		1.10	0.33	0.1 (Min) - 1.0 (Max)
2017	6,760	0.81	0.04	1.10		1.10	0.29	0.1 (Min) - 1.0 (Max)
2018	7,123	0.85	0.04	1.10		1.10	0.25	0.1 (Min) - 1.0 (Max)
2019	7,496	0.90	0.04	1.10		1.10	0.20	0.1 (Min) - 1.0 (Max)
2020	7,852	0.94	0.04	1.10		1.10	0.16	0.1 (Min) - 1.0 (Max)
2021	8,193	0.98	0.04	1.10		1.10	0.12	0.1 (Min) - 1.0 (Max)
2022	8,333	1.00	0.02	1.10		1.10	0.10	0.1 (Min) - 1.0 (Max)
2023	8,333	1.00	0.00	1.10		1.10	0.10	0.1 (Min) - 1.0 (Max)
2024	8,333	1.00	0.00	1.10		1.10	0.10	0.1 (Min) - 1.0 (Max)
2025	8,333	1.00	0.00	1.10		1.10	0.10	0.1 (Min) - 1.0 (Max)
2026	8,333	1.00	0.00	1.10		1.10	0.10	0.1 (Min) - 1.0 (Max)
2027	8,333	1.00	0.00	1.10		1.10	0.10	0.1 (Min) - 1.0 (Max)
2028	8,333	1.00	0.00	1.10		1.10	0.10	0.1 (Min) - 1.0 (Max)
2029	8,333	1.00	0.00	1.10		1.10	0.10	0.1 (Min) - 1.0 (Max)

Collier County Government
Public Utilities Division
2010 ANNUAL UPDATE AND INVENTORY REPORT (AUIR)
Wastewater- South County Water Reclamation Facility (SCWRF)
Level of Service Standard: 100 gpcd

July 15, 2010



Collier County Government
Public Utilities Division
2010 ANNUAL UPDATE AND INVENTORY REPORT (AUIR)

**WASTEWATER SYSTEM - LEVEL OF SERVICE STANDARDS (LOSS) ASSESSMENT
FOR PROPOSED NORTHEAST WATER RECLAMATION FACILITY (NEWRF) SERVICE AREA**

July 15, 2010

Notes: (References are to the column numbers on previous page)

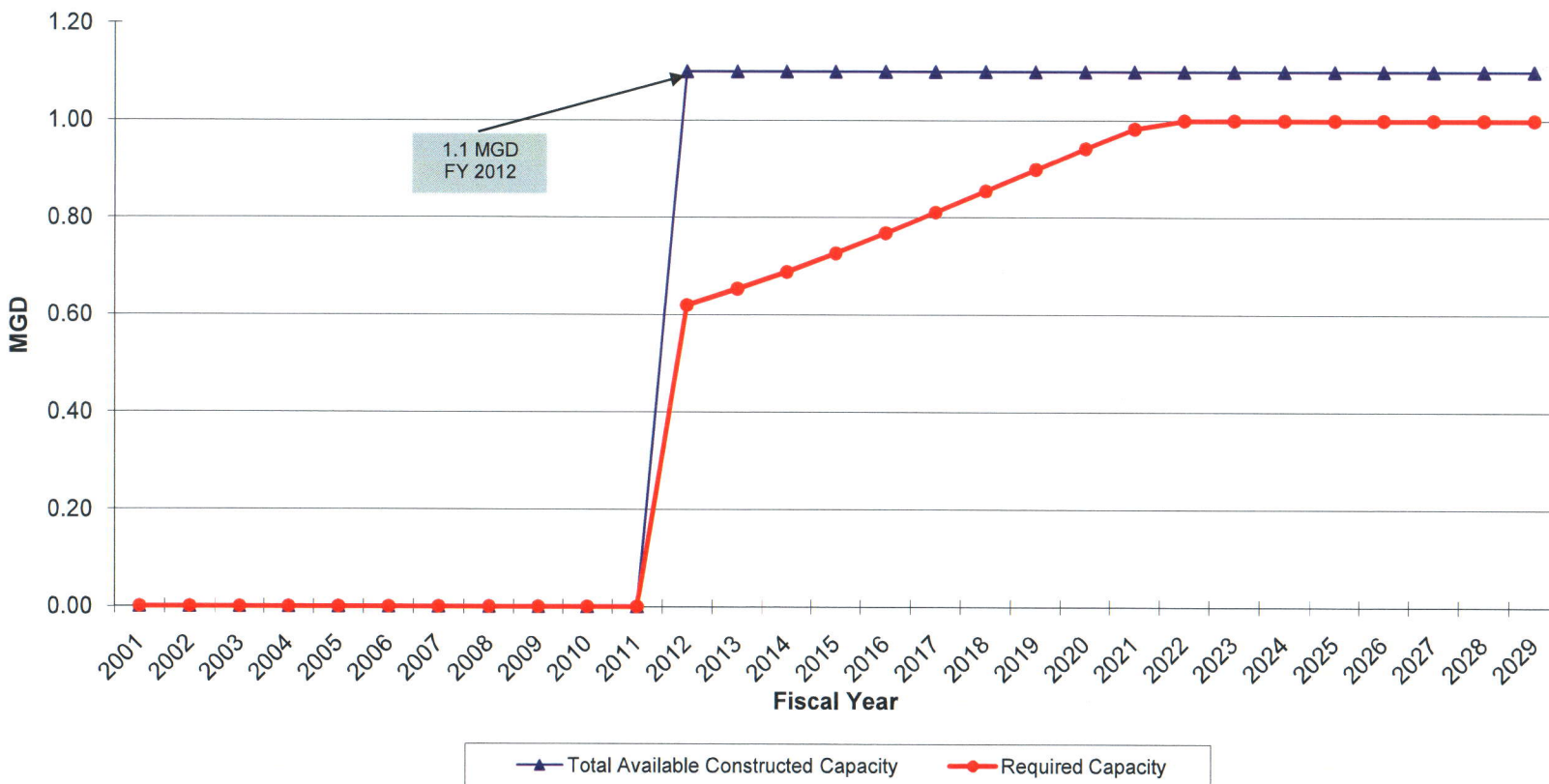
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NOTE: The populations shown between FY 2012 and 2021 reflect wastewater flow for the Orange Tree Service Area to be treated by the Orange Tree WRF. Between FY 2022 and 2029 an estimated 200,000 gallons per day of wastewater flow through interconnects from Orange Tree WRF will be treated at the NCWRF. The non-Orange Tree Northeast Service Area population is currently, and is planned to continue, to be treated at the NCWRF.
3. Required Capacity @ 120 gpcd is obtained by multiplying the Peak Population (Column 2) times 120 gallons per capita per day (gpcd). 120 gpcd is the established Level of Service Standard (LOSS) for the Northeast Service Area as adopted in the 2008 Wastewater Master Plan Update approved by the Board of County Commissioners on June 24, 2008. See graph on page WW-10.
4. Required Capacity increase from previous year is the increase between the Required Capacity @ 120 gpcd (Column 3) for the year listed and the previous year.
5. Constructed Capacity On-line is the plant capacity at the beginning of the fiscal year in Million Gallons per Day (MGD). All plant capacities are reliable plant capacities stated in Maximum Month Average Daily Flow (MMADF) per FDEP permit requirements.
6. New Plant Capacity schedule is as follows:

Fiscal Year	New Plant Capacity	Description	Source of Information
2012	1.1 MGD	Existing 1.1 MGD Orange Tree WRF continues to serve Orange Tree Service Area. An estimated 200,000 gallons of flow through interconnects to be served by NCWRF.	Capacity based on County meeting with Orange Tree Utilities on July 05, 2007

7. Total Available Constructed Capacity in MGD, also represented graphically on page WW-10 (Column 5 + Column 6).
8. Retained/(Deficit) Constructed Capacity is the difference between Total Available Constructed Capacity (Column 7) and Required Capacity (Column 3).
9. Retained/(Deficit) Constructed Capacity Target Values for planning purposes are 0.1 MGD minimum and 1.0 MGD maximum from FY 2012 through FY 2029. The target minimum capacities represent the projected increase in the next year's wastewater flow (Column 4) and the target maximum capacities represent the projected increase in wastewater flow for the next eight years.

Collier County Government
Public Utilities Division
2010 ANNUAL UPDATE AND INVENTORY REPORT (AUIR)
Wastewater- Proposed Northeast Water Reclamation Facility (NEWRF)
Level of Service Standard: 120 gpcd

July 15, 2010



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Collier County Government
Public Utilities Division
2010 ANNUAL UPDATE AND INVENTORY REPORT (AUIR)

**WASTEWATER SYSTEM - LEVEL OF SERVICE STANDARDS (LOSS) ASSESSMENT
CHANGES FROM 2009 AUIR**

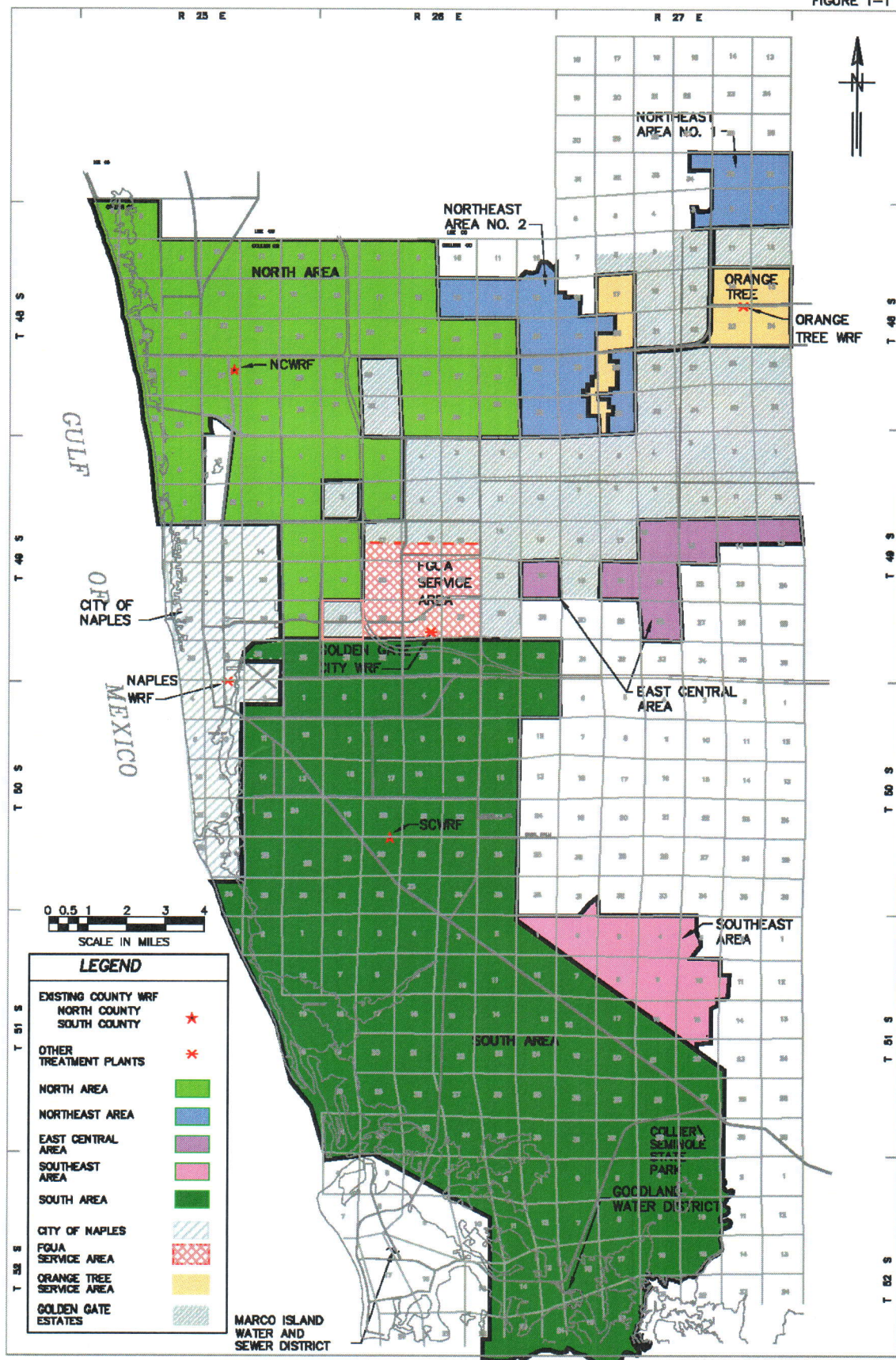
July 15, 2010

New Plant Constructed Capacity Schedule:

The following change was made from the 2009 AUIR to match the June 11, 2010 CDES populations and resulting water demands:

- A. SCWRF: An estimated 200,000 gallons per day of flow in 2028 and 2029 are transferred through interconnects to NCWRF.

FIGURE 1-1



**EXISTING AND FUTURE
WASTEWATER SERVICE AREAS** WW-12

COLLIER COUNTY GOVERNMENT
PUBLIC UTILITIES PLANNING
AND PROJECT MANAGEMENT
WASTEWATER AUR

Capital Improvement Element Amendment Submittal
“Exhibit A” & “Exhibit H”

EXHIBIT "A"
COLLIER COUNTY SCHEDULE OF CAPITAL IMPROVEMENTS
 FISCAL YEARS 2011-2015

WASTEWATER TREATMENT SYSTEM PROJECTS								
		CONSTRUCTION	\$ AMOUNT	\$ AMOUNT	\$ AMOUNT	\$ AMOUNT	\$ AMOUNT	\$ AMOUNT
CIE #	PROJECT	SCHEDULE NOTES	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	TOTAL
	Debt Service (CAFR)		\$10,600,000	\$10,300,000	\$10,300,000	\$9,800,000	\$9,040,000	\$50,040,000
	Expansion Related Projects - Other		\$395,500	\$130,000	\$130,000	\$330,000	\$130,000	\$1,115,500
	Replacement & Rehabilitation Projects - Other		\$15,910,000	\$15,467,500	\$14,157,500	\$14,242,500	\$19,382,500	\$79,160,000
	Departmental Capital		\$460,000	\$476,100	\$492,764	\$510,010	\$527,860	\$2,466,734
	WASTEWATER TREATMENT SYSTEM PROJECT TOTALS		\$27,365,500	\$26,373,600	\$25,080,264	\$24,882,510	\$29,080,360	\$132,782,234

REVENUE KEY - REVENUE SOURCE		FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	TOTAL
SIF - Wastewater System Development Fees / Impact Fees		\$2,800,000	\$2,800,000	\$2,800,000	\$2,898,000	\$2,999,430	\$14,297,430
B1 - Series 2006 Bonds		\$0	\$0	\$0	\$0	\$0	\$0
RR - Operating Reserve Revenues		\$8,195,500	\$7,630,000	\$7,630,000	\$7,232,000	\$6,170,570	\$36,858,070
B3 - Series 2010 Bonds		\$0	\$0	\$0	\$0	\$0	\$0
SRF - State Revolving Fund Loans		\$0	\$0	\$0	\$0	\$0	\$0
LOC - Commercial Paper, Additional Senior Lien		\$0	\$0	\$0	\$0	\$0	\$0
SCA - Wastewater Capital Account - Transfers		\$460,000	\$476,100	\$492,764	\$510,010	\$527,860	\$2,466,734
REV - Rate Revenue		\$15,910,000	\$15,467,500	\$14,157,500	\$14,242,500	\$19,382,500	\$79,160,000
REVENUE TOTAL		\$27,365,500	\$26,373,600	\$25,080,264	\$24,882,510	\$29,080,360	\$132,782,234

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NOTE: Collier County has adopted a two-year Concurrency Management System. Figures provided for years three, four and five of this Schedule of Capital Improvements are not part of the Concurrency Management System but must be financially feasible with a dedicated revenue source or an alternative revenue source if the dedicated revenue source is not realized. Figures provided for years six through ten of the Schedule of Capital Improvements are estimates of revenues versus project costs but do not constitute a long term concurrency system. Revenue sources are estimates only; both the mix of sources and amounts will change when a rate study is conducted. No new revenue bonds or State Revolving Loans are contemplated at this time. The Collier County Public Utilities Division is maintaining a pay as you go posture.

DATA SOURCES:

- Expansion Related and Replacement & Rehabilitation Projects:
 FY 2011 is obtained from the 2011 Proposed Budget.
 FY 2012 to FY 2020 are obtained from an internal master plan review.
- Department Capital:
 FY 2011 is obtained from the 2011 Proposed Budget, split 50/50 between Water and Wastewater.
 FY 2012 to FY 2020 uses the FY 2011 amount and increases it 3.5% each year.
- Debt Service:
 FY 2011 is obtained from the Comprehensive Annual Financial Report, Summary of Debt Service requirements to maturity. Total Debt Service amount is split 50/50 between Water and Wastewater.

**APPENDIX H
FUTURE COSTS AND REVENUES BY TYPE OF PUBLIC FACILITY
FISCAL YEARS 2016 - 2020**

WASTEWATER PROJECTS								
CIE #	PROJECT	CONSTRUCTION SCHEDULE NOTES	\$ AMOUNT FY 2016	\$ AMOUNT FY 2017	\$ AMOUNT FY 2018	\$ AMOUNT FY 2019	\$ AMOUNT FY 2020	\$ AMOUNT TOTAL
	Expansion Related Projects - Other		\$130,000	\$330,000	\$160,000	\$130,000	\$330,000	\$1,080,000
	Replacement & Rehabilitation Projects - Other		\$25,692,500	\$19,917,500	\$13,342,500	\$13,342,500	\$13,542,500	\$85,837,500
	Departmental Capital		\$550,000	\$569,250	\$589,174	\$609,795	\$631,137	\$2,949,356
	Debt Service		\$9,040,000	\$9,040,000	\$9,040,000	\$9,040,000	\$7,710,000	\$43,870,000
	SEWER - WASTEWATER PROJECT TOTALS		\$35,412,500	\$29,856,750	\$23,131,674	\$23,122,295	\$22,213,637	\$133,736,856

REVENUE KEY - REVENUE SOURCE	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	TOTAL
SIF - Wastewater System Development Fees / Impact Fees	\$3,100,000	\$3,208,500	\$3,320,798	\$3,437,025	\$3,557,321	\$16,623,644
B1 - Series 2006 Bonds	\$0	\$0	\$0	\$0	\$0	\$0
RR - Operating Reserve Revenues	\$6,070,000	\$6,161,500	\$5,879,202	\$5,732,975	\$4,482,679	\$28,326,356
B3 - Series 2010 Bonds	\$0	\$0	\$0	\$0	\$0	\$0
SRF - State Revolving Fund Loans	\$0	\$0	\$0	\$0	\$0	\$0
LOC - Commercial Paper, Additional Senior Lien	\$0	\$0	\$0	\$0	\$0	\$0
SCA - Wastewater Capital Account - Transfers	\$550,000	\$569,250	\$589,174	\$609,795	\$631,137	\$2,949,356
REV - Rate Revenue	\$25,692,500	\$19,917,500	\$13,342,500	\$13,342,500	\$13,542,500	\$85,837,500
REVENUE TOTAL	\$35,412,500	\$29,856,750	\$23,131,674	\$23,122,295	\$22,213,637	\$133,736,856

NOTE: Collier County has adopted a two-year Concurrency Management System. Figures provided for years three, four and five of this Schedule of Capital Improvements are not part of the Concurrency Management System but must be financially feasible with a dedicated revenue source or an alternative revenue source if the dedicated revenue source is not realized. Figures provided for years six through ten of the Schedule of Capital Improvements are estimates of revenues versus project costs but do not constitute a long term concurrency system. Revenue sources are estimates only; both the mix of sources and amounts will change when a rate study is conducted. No new revenue bonds or State Revolving Loans are contemplated at this time. The Collier County Public Utilities Division is maintaining a *pay as you go* posture.

DATA SOURCES:
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