

# COUNTY SEWER TREATMENT AND COLLECTION SYSTEM

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Collier County Government  
Public Utilities Division  
2011 ANNUAL UPDATE AND INVENTORY REPORT (AUIR)

**COLLIER COUNTY WATER SEWER DISTRICT - WASTEWATER SYSTEM**

Introduction:

The Public Utilities Division's 2011 AUIR submittals are based on the "Collier County Water & Sewer Districts Population Estimates and Projections" dated June 29, 2011, prepared by Collier County Comprehensive Planning Section. Populations are based on using Bureau of Economic and Business Research (BEBR) Medium Range growth rate through 2031. There is one notable change from the 2010 Collier County Water Sewer District (CCWSD) Wastewater System AUIR:

1. 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 2011 CCWSD Wastewater System AUIR.

Collier County Government  
Public Utilities Division  
2011 ANNUAL UPDATE AND INVENTORY REPORT (AUIR)

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

August 04, 2011

1	2	3	4	5	6	7	8	9
Fiscal Year	Peak Population	Required Capacity at 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
2010	117,255	14.07		24.10		24.10	10.03	0.4 (Min) - 3.0 (Max)
2011	120,010	14.40	0.33	24.10		24.10	9.70	0.4 (Min) - 3.0 (Max)
2012	122,815	14.74	0.34	24.10		24.10	9.36	0.4 (Min) - 3.0 (Max)
2013	125,672	15.08	0.34	24.10		24.10	9.02	0.4 (Min) - 3.0 (Max)
2014	128,581	15.43	0.35	24.10		24.10	8.67	0.4 (Min) - 3.0 (Max)
2015	131,691	15.80	0.37	24.10		24.10	8.30	0.4 (Min) - 3.0 (Max)
2016	135,008	16.20	0.40	24.10		24.10	7.90	0.4 (Min) - 3.0 (Max)
2017	138,392	16.61	0.41	24.10		24.10	7.49	0.4 (Min) - 3.0 (Max)
2018	141,842	17.02	0.41	24.10		24.10	7.08	0.4 (Min) - 3.0 (Max)
2019	145,361	17.44	0.42	24.10		24.10	6.66	0.4 (Min) - 3.0 (Max)
2020	148,753	17.85	0.41	24.10		24.10	6.25	0.4 (Min) - 3.0 (Max)
2021	152,014	18.24	0.39	24.10		24.10	5.86	0.4 (Min) - 3.0 (Max)
2022	155,332	18.64	0.40	24.10		24.10	5.46	0.4 (Min) - 3.0 (Max)
2023	158,710	19.05	0.41	24.10		24.10	5.05	0.4 (Min) - 3.0 (Max)
2024	162,147	19.46	0.41	24.10		24.10	4.64	0.4 (Min) - 3.0 (Max)
2025	165,406	19.85	0.39	24.10		24.10	4.25	0.4 (Min) - 3.0 (Max)
2026	168,480	20.22	0.37	24.10		24.10	3.88	0.4 (Min) - 3.0 (Max)
2027	171,602	20.59	0.37	24.10		24.10	3.51	0.4 (Min) - 3.0 (Max)
2028	174,771	20.97	0.38	24.10		24.10	3.13	0.4 (Min) - 3.0 (Max)
2029	177,990	21.36	0.39	24.10		24.10	2.74	0.4 (Min) - 3.0 (Max)
2030	181,011	21.72	0.36	24.10		24.10	2.38	0.4 (Min) - 3.0 (Max)
2031	184,275	22.11	0.39	24.10		24.10	1.99	0.4 (Min) - 3.0 (Max)

Collier County Government  
Public Utilities Division  
2011 ANNUAL UPDATE AND INVENTORY REPORT (AUIR)

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

August 04, 2011

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

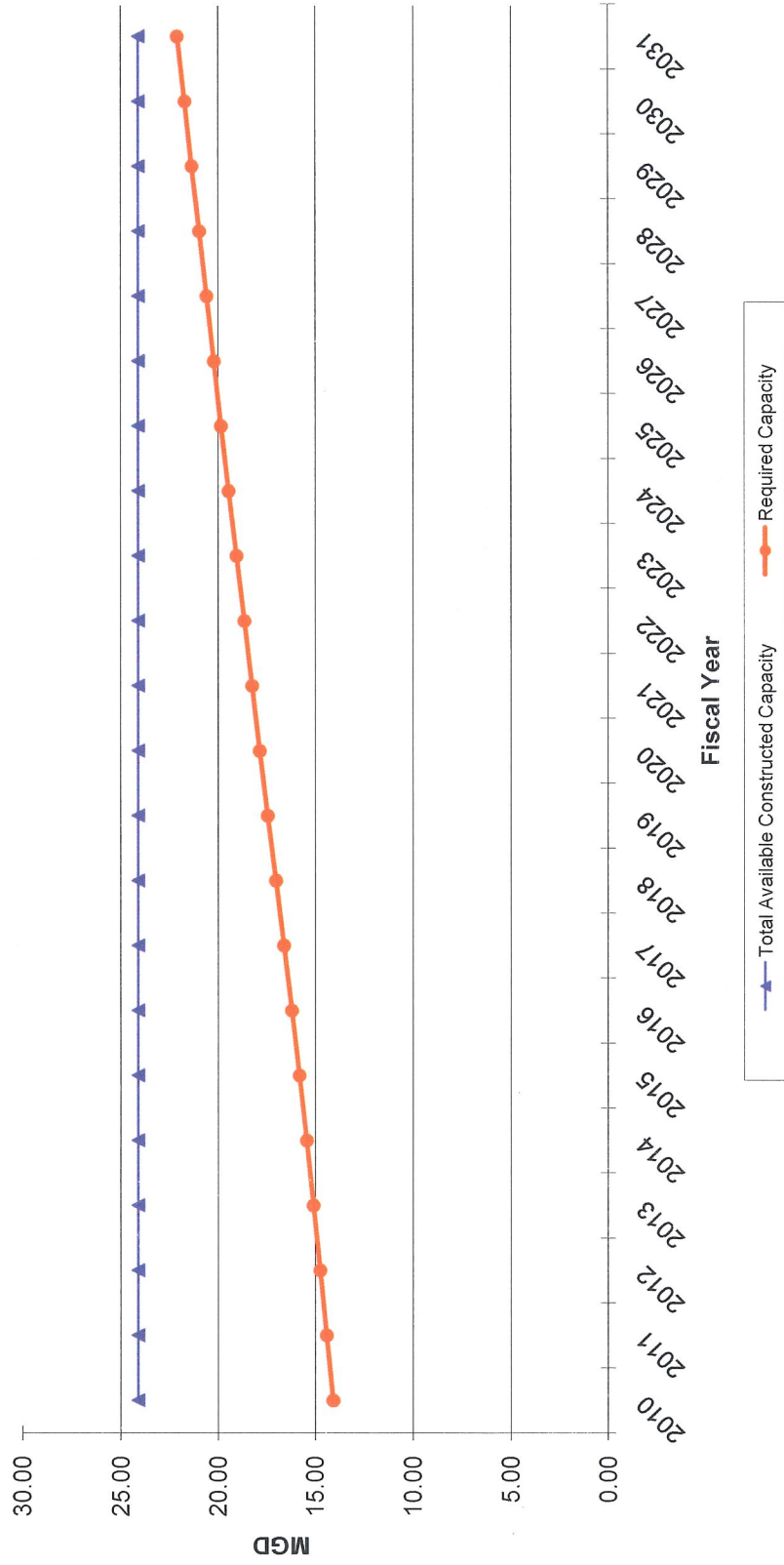
1. Fiscal Year starts October 1 and ends September 30.
2. Peak Population. Estimates and projections for the existing service area are based on the "Collier County Water & Sewer Districts Population Estimates and Projections" dated June 29, 2011, prepared by Collier County Comprehensive Planning Section. Populations are based on using Bureau of Economic and Business Research (BEBR) Medium Range growth rate through 2031.  
NOTE: The populations shown include the Northeast Service Area. The populations shown in FY 2031 reflect the transfer of an estimated 50,000 gallons per day of wastewater flow through interconnects from the South County Water Reclamation Facility (SCWRF).
3. Required Capacity at 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 at 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
		No new plant capacity is scheduled.

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 0.4 MGD minimum and 3.0 MGD maximum through FY 2031. 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  
 2011 ANNUAL UPDATE AND INVENTORY REPORT (AUIR)  
**Wastewater- North County Water Reclamation Facility (NCWRF)**  
 Level of Service Standard: 120 gpcd

August 04, 2011



Collier County Government  
Public Utilities Division  
2011 ANNUAL UPDATE AND INVENTORY REPORT (AUIR)

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

August 04, 2011

1	2	3	4	5	6	7	8	9
Fiscal Year	Peak Population	Required Capacity at 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
2010	102,171	10.22		16.00		16.00	5.78	0.50 (Min)
2011	104,380	10.44	0.22	16.00		16.00	5.56	0.50 (Min)
2012	106,629	10.66	0.22	16.00		16.00	5.34	0.50 (Min)
2013	108,919	10.89	0.23	16.00		16.00	5.11	0.50 (Min)
2014	111,251	11.13	0.23	16.00		16.00	4.87	0.50 (Min)
2015	113,744	11.37	0.25	16.00		16.00	4.63	0.50 (Min)
2016	116,403	11.64	0.27	16.00		16.00	4.36	0.50 (Min)
2017	119,115	11.91	0.27	16.00		16.00	4.09	0.50 (Min)
2018	121,882	12.19	0.28	16.00		16.00	3.81	0.50 (Min)
2019	124,702	12.47	0.28	16.00		16.00	3.53	0.50 (Min)
2020	127,422	12.74	0.27	16.00		16.00	3.26	0.50 (Min)
2021	130,035	13.00	0.26	16.00		16.00	3.00	0.50 (Min)
2022	132,696	13.27	0.27	16.00		16.00	2.73	0.50 (Min)
2023	135,403	13.54	0.27	16.00		16.00	2.46	0.50 (Min)
2024	138,159	13.82	0.28	16.00		16.00	2.18	0.50 (Min)
2025	140,771	14.08	0.26	16.00		16.00	1.92	0.50 (Min)
2026	143,236	14.32	0.25	16.00		16.00	1.68	0.50 (Min)
2027	145,738	14.57	0.25	16.00		16.00	1.43	0.50 (Min)
2028	148,279	14.83	0.25	16.00		16.00	1.17	0.50 (Min)
2029	150,859	15.09	0.26	16.00		16.00	0.91	0.50 (Min)
2030	153,281	15.33	0.24	16.00		16.00	0.67	0.50 (Min)
2031	155,000	15.50	0.17	16.00		16.00	0.50	0.50 (Min)

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

August 04, 2011

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

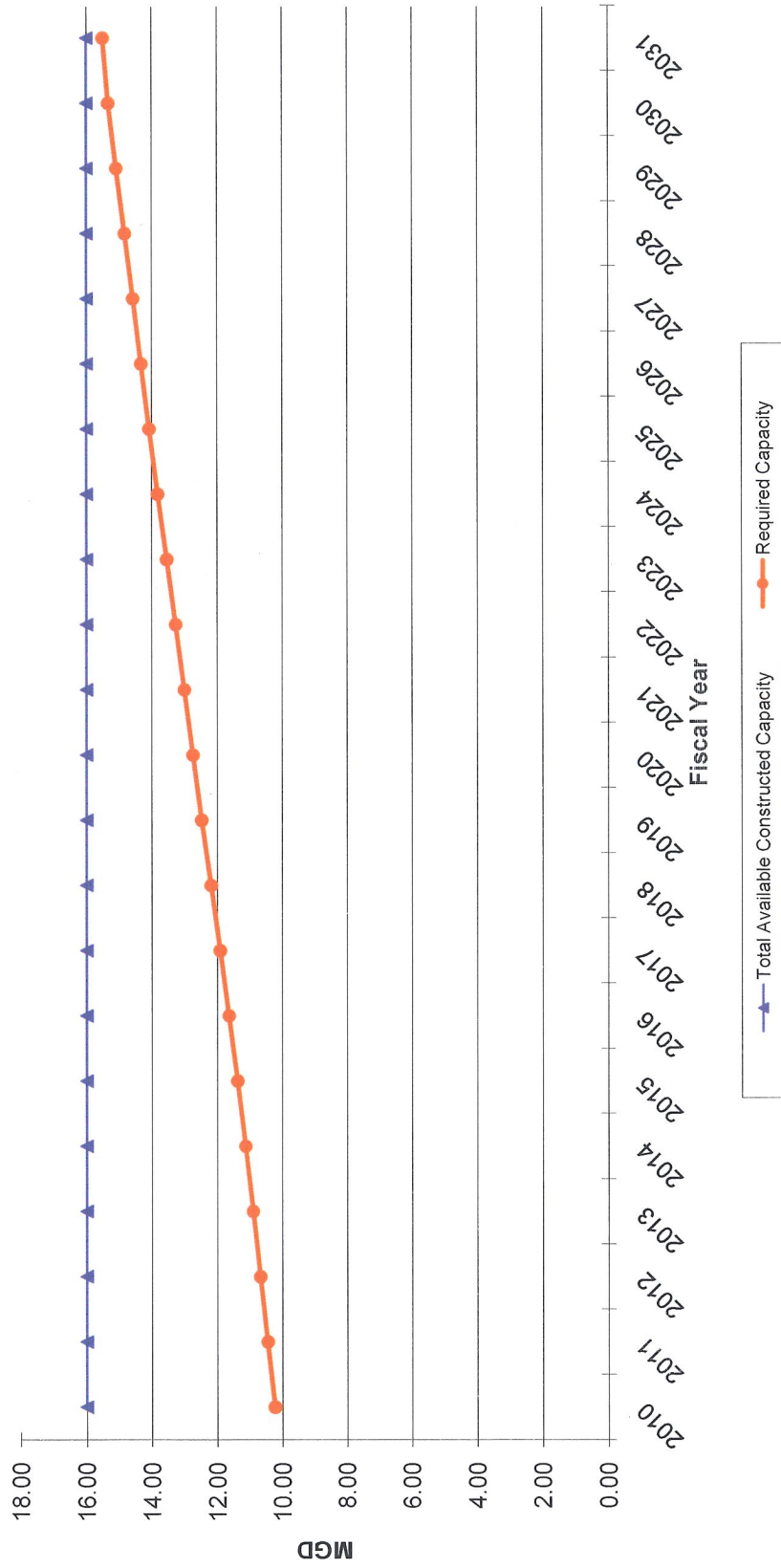
1. Fiscal Year starts October 1 and ends September 30.
2. Peak Population. Estimates and projections for the existing service area are based on the "Collier County Water & Sewer Districts Population Estimates and Projections" dated June 29, 2011, prepared by Collier County Comprehensive Planning Section. Populations are based on using Bureau of Economic and Business Research (BEBR) Medium Range growth rate through 2031.  
NOTE: The populations shown include the Southeast Service Area. The population shown in 2031 reflects the transfer of an estimated 50,000 gallons per day of wastewater flow through interconnects to the NCWRF.
3. Required Capacity at 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 at 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
		No new plant capacity is scheduled.

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 2031. 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  
**2011 ANNUAL UPDATE AND INVENTORY REPORT (AUJR)**  
**Wastewater-South County Water Reclamation Facility (SCWRF)**  
 Level of Service Standard: 100 gpcd

August 04, 2011





Collier County Government  
Public Utilities Division  
2011 ANNUAL UPDATE AND INVENTORY REPORT (AUIR)

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

August 04, 2011

1	2	3	4	5	6	7	8	9
Fiscal Year	Peak Population	Required Capacity at 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
2010	0	0.00		0.00		0.00	0.00	
2011	0	0.00	0.00	0.00		0.00	0.00	
2012		0.00	0.00	0.00		0.00	0.00	
2013	6,091	0.73	0.73	0.00	1.10	1.10	0.37	0.1 (Min) - 1.0 (Max)
2014	6,193	0.74	0.01	1.10		1.10	0.36	0.1 (Min) - 1.0 (Max)
2015	6,302	0.76	0.01	1.10		1.10	0.34	0.1 (Min) - 1.0 (Max)
2016	6,418	0.77	0.01	1.10		1.10	0.33	0.1 (Min) - 1.0 (Max)
2017	6,537	0.78	0.01	1.10		1.10	0.32	0.1 (Min) - 1.0 (Max)
2018	6,658	0.80	0.01	1.10		1.10	0.30	0.1 (Min) - 1.0 (Max)
2019	6,781	0.81	0.01	1.10		1.10	0.29	0.1 (Min) - 1.0 (Max)
2020	6,900	0.83	0.01	1.10		1.10	0.27	0.1 (Min) - 1.0 (Max)
2021	7,014	0.84	0.01	1.10		1.10	0.26	0.1 (Min) - 1.0 (Max)
2022	7,130	0.86	0.01	1.10		1.10	0.24	0.1 (Min) - 1.0 (Max)
2023	7,249	0.87	0.01	1.10		1.10	0.23	0.1 (Min) - 1.0 (Max)
2024	7,369	0.88	0.01	1.10		1.10	0.22	0.1 (Min) - 1.0 (Max)
2025	7,483	0.90	0.01	1.10		1.10	0.20	0.1 (Min) - 1.0 (Max)
2026	7,591	0.91	0.01	1.10		1.10	0.19	0.1 (Min) - 1.0 (Max)
2027	7,701	0.92	0.01	1.10		1.10	0.18	0.1 (Min) - 1.0 (Max)
2028	7,812	0.94	0.01	1.10		1.10	0.16	0.1 (Min) - 1.0 (Max)
2029	7,925	0.95	0.04	1.10		1.10	0.15	0.1 (Min) - 1.0 (Max)
2030	8,030	0.96	0.04	1.10		1.10	0.14	0.1 (Min) - 1.0 (Max)
2031	8,129	0.98	0.04	1.10		1.10	0.12	0.1 (Min) - 1.0 (Max)

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

August 04, 2011

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

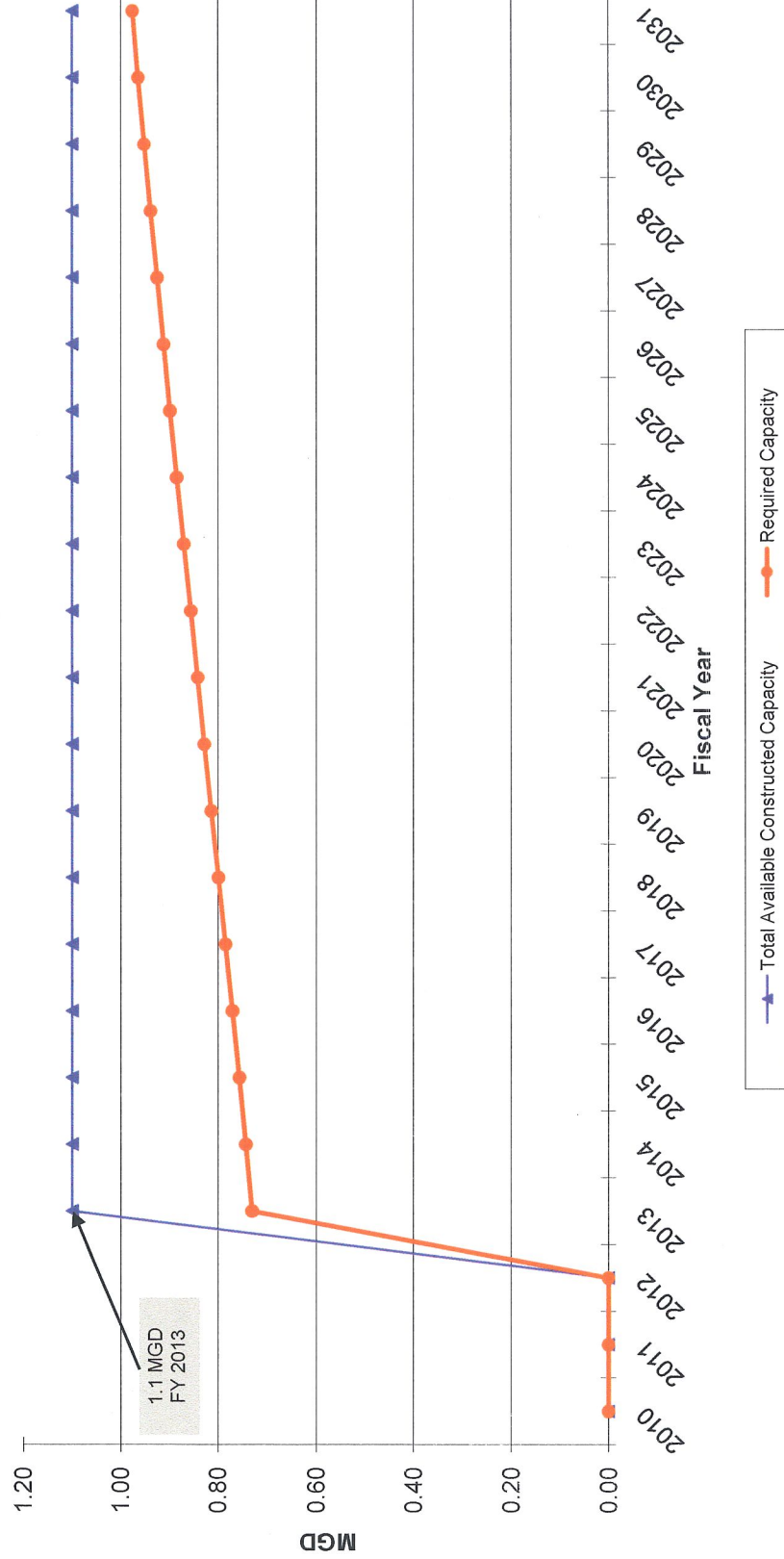
1. Fiscal Year starts October 1 and ends September 30.
2. Peak Population. Estimates and projections for the existing service area are based on the "Collier County Water & Sewer Districts Population Estimates and Projections" dated June 29, 2011, prepared by Collier County Comprehensive Planning Section. Populations are based on using Bureau of Economic and Business Research (BEBR) Medium Range growth rate through 2031.  
NOTE: The populations shown reflect wastewater flow for the Orange Tree Service Area to be treated by the Orange Tree WRF. The non-Orange Tree Northeast Service Area population is currently, and is planned to continue, to be treated at the NCWRF.
3. Required Capacity at 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 at 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
2013	1.1 MGD	Existing 1.1 MGD Orange Tree WRF continues to serve Orange Tree Service Area.	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 2031. 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  
 2011 ANNUAL UPDATE AND INVENTORY REPORT (AUIR)  
**Wastewater-Proposed Northeast Water Reclamation Facility (NEWRF)**  
 Level of Service Standard: 120 gpcd

August 04, 2011



Collier County Government  
Public Utilities Division  
2011 ANNUAL UPDATE AND INVENTORY REPORT (AUIR)

**WASTEWATER SYSTEM - LEVEL OF SERVICE STANDARDS (LOSS) ASSESSMENT  
CHANGES FROM 2010 AUIR**

August 04, 2011

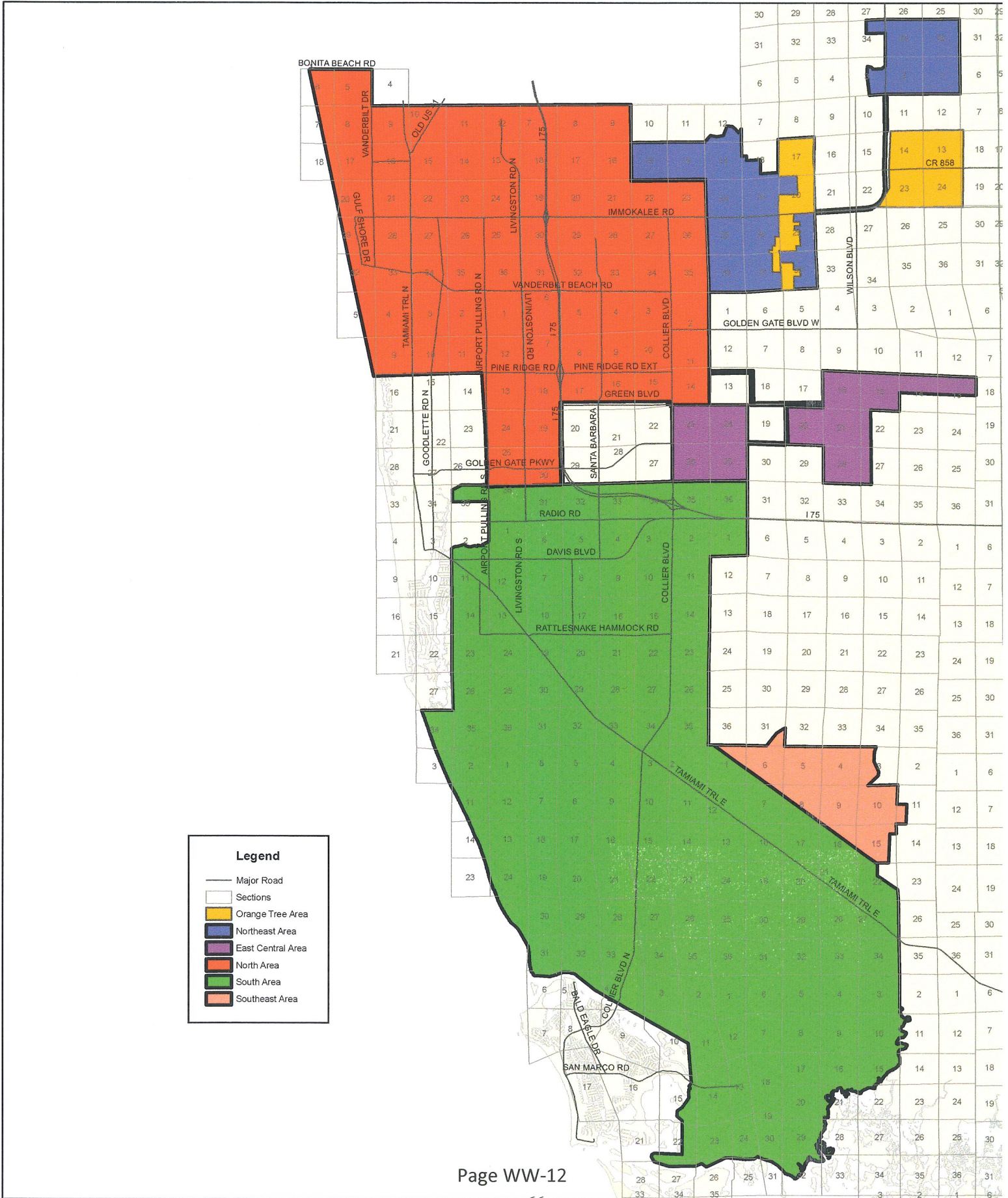
New Plant Constructed Capacity Schedule:

The following changes were made from the 2010 AUIR to match the June 29, 2011 Comprehensive Planning Section's populations and resulting system demands:

- A. SCWRF: An estimated 50,000 gallons per day of flow in 2031 is transferred through interconnects to the NCWRF. In the 2010 AUIR 300,000 gallons per day was estimated to be transferred through interconnects in FY28 and FY29
- B. NEWRF: Collier County Water-Sewer District's assumption of operation and maintenance of Orange Tree Utilities requires a one year notice and will now be in 2013 at the earliest subject to the Board of County Commissioners of Collier County approval as ex-officio the Governing Board of the Water-Sewer District.

# Existing and Future Wastewater Service Areas

## 2011 Wastewater AUIR



# Schedule of Capital Improvement

## “Exhibit A & Exhibit H”

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EXHIBIT "A"  
COLLIER COUNTY SCHEDULE OF CAPITAL IMPROVEMENTS  
FISCAL YEARS 2012-2016

CIE #	PROJECT	CONSTRUCTION SCHEDULE NOTES	\$ AMOUNT					\$ AMOUNT TOTAL
			FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	
	Debt Service (CAFR)		\$10,800,601	\$10,273,564	\$10,273,071	\$10,267,922	\$8,832,420	\$60,447,578
	Expansion Related Projects - Other		\$117,500	\$130,000	\$330,000	\$130,000	\$130,000	\$837,500
	Replacement & Rehabilitation Projects - Other		\$26,368,600	\$14,272,500	\$15,282,500	\$19,247,500	\$25,807,500	\$100,978,600
	Departmental Capital		\$284,350	\$294,302	\$304,603	\$315,264	\$326,298	\$1,524,817
	<b>WASTEWATER TREATMENT SYSTEM PROJECT TOTALS</b>		<b>\$37,571,051</b>	<b>\$24,970,366</b>	<b>\$26,190,174</b>	<b>\$29,960,686</b>	<b>\$35,096,218</b>	<b>\$153,788,495</b>

REVENUE KEY - REVENUE SOURCE	\$ AMOUNT					\$ AMOUNT TOTAL
	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	
SIF - Wastewater System Development Fees / Impact Fees	\$3,000,000	\$3,000,000	\$3,000,000	\$3,000,000	\$3,000,000	\$15,000,000
RR - Operating Reserve Revenues	\$7,918,101	\$7,403,564	\$7,603,071	\$7,397,922	\$5,962,420	\$36,285,078
B - 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	\$284,350	\$294,302	\$304,603	\$315,264	\$326,298	\$1,524,817
REV - Rate Revenue	\$26,368,600	\$14,272,500	\$15,282,500	\$19,247,500	\$25,807,500	\$100,978,600
<b>REVENUE TOTAL</b>	<b>\$37,571,051</b>	<b>\$24,970,366</b>	<b>\$26,190,174</b>	<b>\$29,960,686</b>	<b>\$35,096,218</b>	<b>\$153,788,495</b>

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. To the extent that the user rates and impact fees are not adequate to cover the project costs and debt service, any shortfall will be funded by the reserves.

DATA SOURCES:  
 - Expansion Related and Replacement & Rehabilitation Projects:  
 FY 2012 is obtained from the 2012 Proposed Budget.  
 FY 2013 to FY 2021 are obtained from an internal master plan review.  
 - Department Capital:  
 FY 2012 is obtained from the 2012 Proposed Budget, split 50/50 between Water and Wastewater.  
 FY 2013 to FY 2021 uses the FY 2012 amount and increases it 3.5% each year.  
 - Debt Service:  
 FY 2012 to FY 2016 are obtained from the 2010 Comprehensive Annual Financial Report, Summary of Debt Service requirements to maturity. Total Debt Service amount is split 50/50 between Water and Wastewater.

WASTEWATER PROJECTS		CONSTRUCTION SCHEDULE NOTES	\$ AMOUNT					\$ AMOUNT
CIE #	PROJECT		FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	
	Expansion Related Projects - Other		\$330,000	\$160,000	\$130,000	\$330,000	\$130,000	\$1,080,000
	Replacement & Rehabilitation Projects - Other		\$19,782,500	\$13,207,500	\$13,207,500	\$13,407,500	\$13,207,500	\$72,812,500
	Departmental Capital		\$337,718	\$337,718	\$337,718	\$337,718	\$337,718	\$1,688,590
	Debt Service		\$8,832,420	\$8,832,420	\$8,832,420	\$8,832,420	\$7,862,992	\$43,192,672
	<b>SEWER - WASTEWATER PROJECT TOTALS</b>		<b>\$29,282,638</b>	<b>\$22,537,638</b>	<b>\$22,507,638</b>	<b>\$22,907,638</b>	<b>\$21,538,210</b>	<b>\$118,773,762</b>

REVENUE KEY - REVENUE SOURCE		\$ AMOUNT					\$ AMOUNT
		FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	
SIF - Wastewater System Development Fees / Impact Fees		\$3,000,000	\$3,000,000	\$3,000,000	\$3,000,000	\$3,000,000	\$15,000,000
RR - Operating Reserve Revenues		\$6,162,420	\$5,982,420	\$5,982,420	\$6,162,420	\$4,982,992	\$29,272,672
B - 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		\$337,718	\$337,718	\$337,718	\$337,718	\$337,718	\$1,688,590
REV - Rate Revenue		\$19,782,500	\$13,207,500	\$13,207,500	\$13,407,500	\$13,207,500	\$72,812,500
<b>REVENUE TOTAL</b>		<b>\$29,282,638</b>	<b>\$22,537,638</b>	<b>\$22,507,638</b>	<b>\$22,907,638</b>	<b>\$21,538,210</b>	<b>\$118,773,762</b>

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. To the extent that the user rates and impact fees are not adequate to cover the project costs and debt service, any shortfall will be funded by the reserves.