



**ANNUAL UPDATE & INVENTORY REPORT/CAPITAL
IMPROVEMENT ELEMENT SCHEDULE
UPDATE ON PUBLIC FACILITIES
2014 AUIR/CIE**

**COLLIER COUNTY
BOARD OF COUNTY COMMISSIONERS
NOVEMBER 18, 2014**

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ANNUAL UPDATE AND INVENTORY REPORT ON PUBLIC FACILITIES 2014

CATEGORY “A” FACILITIES (Concurrency Regulated)

1. County Arterial & Collector Roads & Bridges
2. Stormwater Management System
3. Potable Water System
4. Wastewater Collection & Treatment Systems
5. Solid Waste Disposal
6. Collier County Schools – Capital Improvement Plan
7. Parks and Recreation Facilities
 - Community Park Land
 - Regional Park Land
8. CIE Amendment Submittals for Category A Facilities
 - Exhibit “A”, Capital Improvements (FY 2015 – 2019)
 - Appendix “H”, Capital Improvements (FY 2020 – 2024)

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COUNTY ROADS & BRIDGE FACILITIES

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2014 AUIR SUMMARY
ARTERIAL AND COLLECTOR ROADS AND BRIDGES

Facility Type: County Arterial and Collector Roads (Category A)

Level of Service Standard (LOSS): Variable - "D" or "E"

Unit Cost: Variable (Average = \$3,630,452/ lane mile) per current approved Transportation Impact Fee

Recommended Work Program FY 15-19	\$241,631,000
Recommended Revenues FY15-19	\$241,631,000
Five-Year Surplus or (Deficit)	\$0

1. Existing Revenue Sources:

A. Current Revenues CIE FY 15-19

Impact Fees	\$36,015,000
Gas Taxes	\$91,500,000
General Fund	\$65,360,000
Grants/Reimbursements/DCAs/Interest	\$22,131,000
SUB TOTAL	<u>\$215,006,000</u>
Available Cash for Future Projects/Payment of Debt Service	\$27,942,000 *
Less 5% Required by Law	<u>(\$1,317,000)</u>
TOTAL	<u>\$241,631,000</u>

2. Supplemental Revenue Sources:

A. Alternative I

None Required

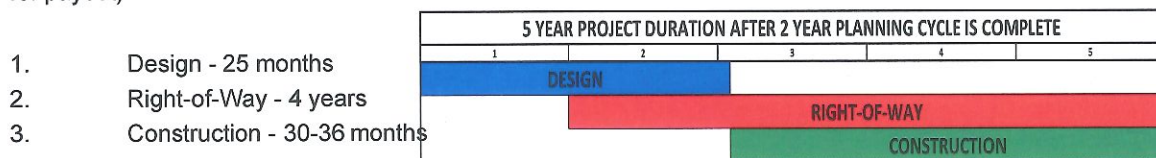
B. Alternative II

None Required

Recommendation:

That the BCC direct the County Manager or his designee to include County road projects appearing on "Proposed Transportation Five-Year Work Program," (Attachment D), as detailed in the "Collier County Transportation Planning Database" (Attachment F), in the next Annual CIE Update and Amendment with the application of revenues outlined on the Road Financing Plan (Attachment E) to establish statutorily required financial feasibility of the CIE, approve the proposed County Arterial and Collector Road Facilities AUIR, and adopt the CIE Update for FY 2014/15 – FY 2018/19.

* Available Cash for Future Projects/Payment of Debt Service includes the budgeted FY14 Available Cash and does not include project funding encumbered in prior fiscal years. The actual Available Cash for Future Projects/Payment of Debt Service number that includes the roll of encumbrances is not available until after October 1, 2014. Attachment J provides a snapshot of prior year FY14 project activity as of July 31, 2014 for continuing projects. Project costs are generally paid out over the following schedule for phases (average time for payout):

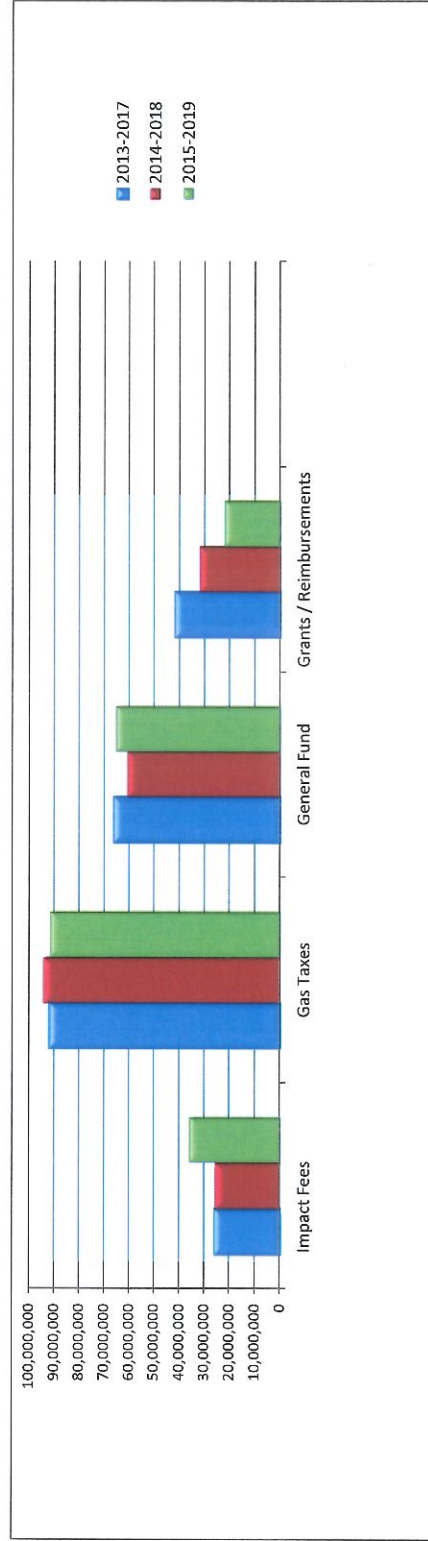
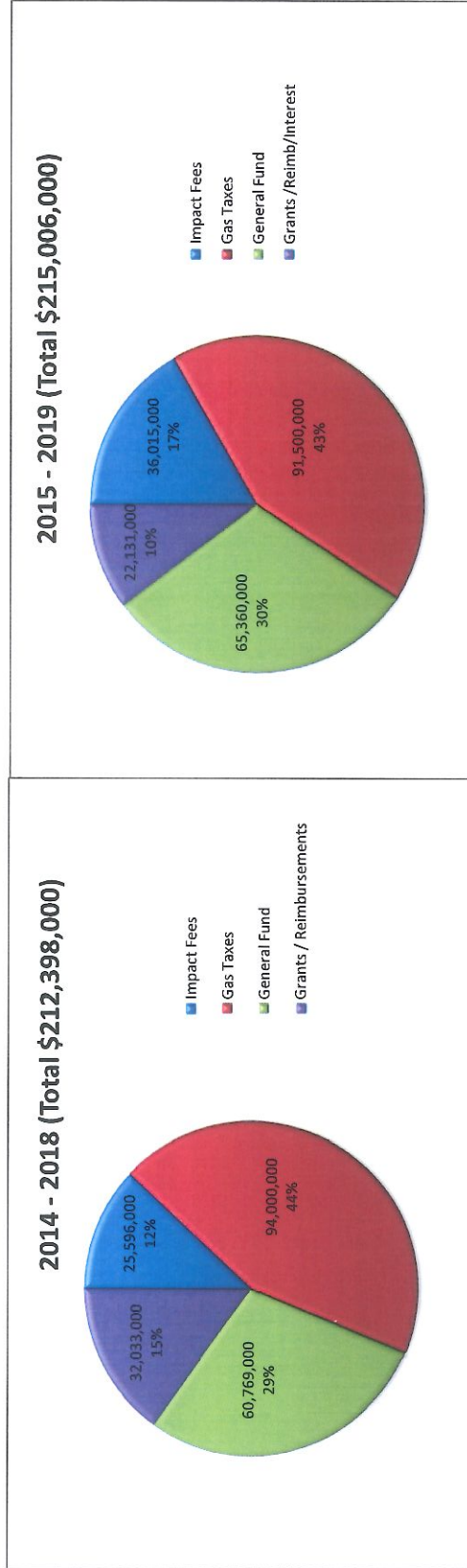


Note:

FY 2014

Revenues based on current adopted Impact Fee Schedule, projected gas tax revenues, budgeted general fund transfer, and approved grants and developer contribution agreements. Expenditures are based on current unit cost.

Five Year Revenues: 2013 AUIR vs. 2014 AUIR



*Charts do not include Carry Forward of \$ 26,442,000 or a negative Revenue Reserve of \$ 1,317,000.

Attachment “B”

TRANSPORTATION EXISTING CONDITIONS REPORT – 2014

Objective

To provide the Board of County Commissioners with an “existing conditions” analysis of the transportation system in Collier County.

Purpose

This analysis is provided to assist in the preparation of the Annual Update and Inventory Report (AUIR), and more specifically to assist in the determination of adequate (transportation) public facilities and to guide budgeting and project programming in the CIE.

Considerations:

- The traffic counts are collected on an annual, seasonal or quarterly basis, and are factored as needed to determine a peak hour peak directional volume. The factors used include a directional factor and a seasonal factor that varies depending on the week that the traffic count was conducted.
- The Level of Service (LOS) threshold volumes are calculated using ARTPLAN and HIGHPLAN software. Measured volume is based on the 250th highest hour, which essentially equates to the 100th highest hour after omitting February and March data, consistent with the Growth Management Plan and Land Development Code provisions. The remaining capacity is based on the difference between the LOS threshold volume and the calculated existing plus trip bank volume.
- The AUIR deals with system capacity and maintaining the established LOS through our Concurrency Management System. As the system expands, there is a growing need to focus our attention on the condition of existing facilities and the demand for Operations and Maintenance (O&M) funding. Our bridges and culverts are approaching, or are at their 50 year life-cycle. Over 250 additional lane miles of urban and rural, arterial and local roads have been added to the county system for maintenance since 2000. Historical funding for O&M has not addressed industry standards for anticipated life-cycles which are 6 to 8 years for urban roadways and 12 to 15 years for rural roadways. Gas taxes are already at the maximum allowed by statute. Complicating this issue is the reliance on impact fees as directed by our “growth pays for growth” policy which can only be used to add additional capacity or new lane miles to the system. The prior aggressive program to add capacity allowed existing system mileage to be rebuilt and the mileage to be maintained throughout the construction cycle by the contractor. Volatile impact fee rates and revenues alone cannot sustain a multi-year capital program that provides improvements concurrent with the impacts of development. Capacity expansion projects require a multi-year funding plan in order to meet the 7 year construction cycle that includes: planning, design, ROW acquisition, permitting and construction. LOS standards already set at the lowest acceptable levels of “D” or “E”.

Attachments

Attached is the 2014 Collier County Transportation Planning Database table, which incorporates the proposed FY 15 to FY 19 Capital Improvement Program (CIP).

Observations

Of the 129 stations (covering 140 unique Segment ID's and excluding those in the City of Naples) collecting traffic counts in the 2013/2014 program, the average increase in measured overall volume between 2013 and 2014 was 7.1%, system-wide. By comparison, the average increase between 2012 and 2013 reported in last year's AUIR was 3.2%.

When reviewing only higher capacity roadway segments in the County's network (only those with capacity over 1,000 vehicles per hour in the peak direction during the peak period) an average increase of 2.8% was experienced over 2013.

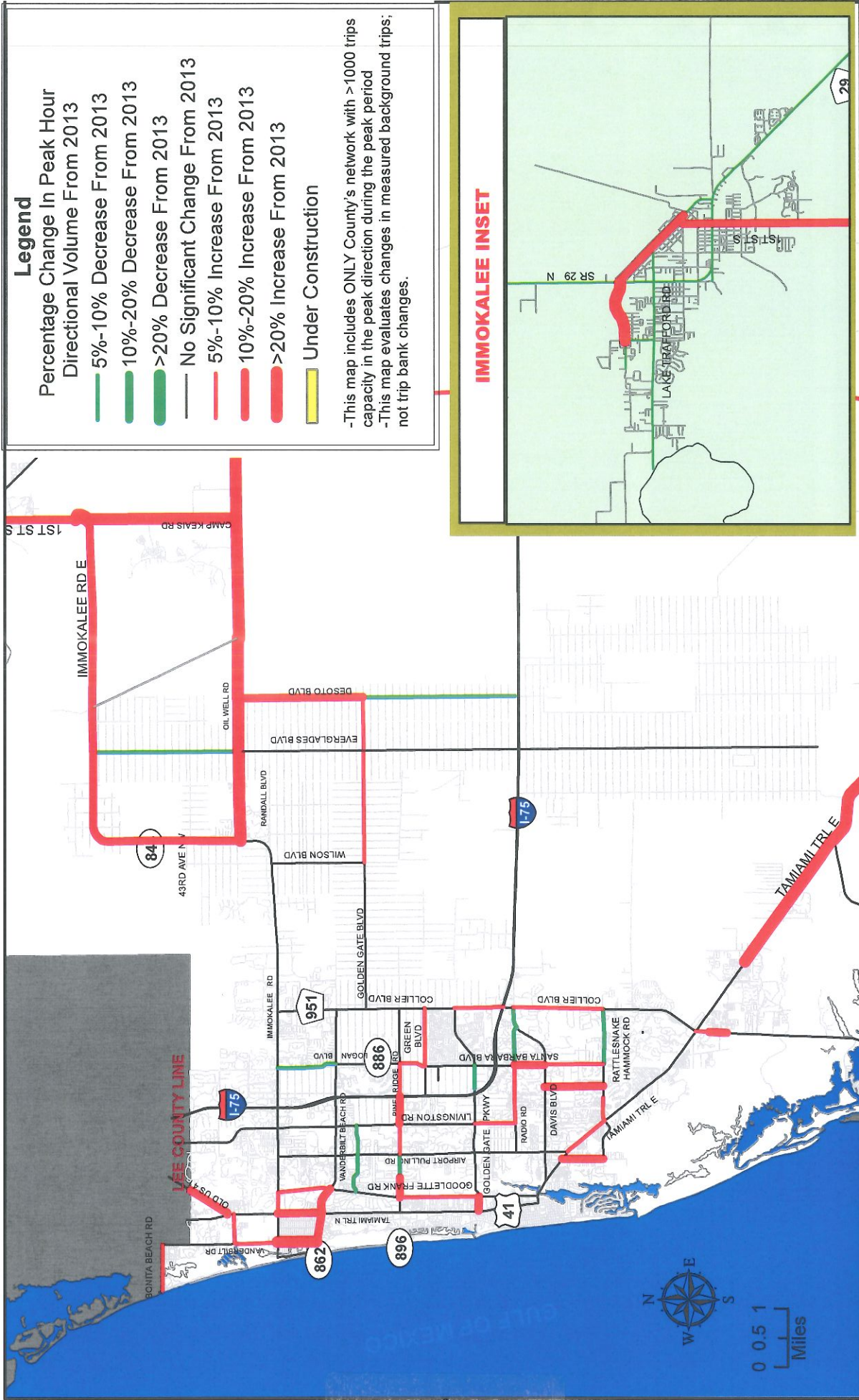
For the 2013/2014 traffic counts, 32 segments reflected a decrease, and 95 segments reflected an increase over the previous year. Listed below are the numbers and corresponding percentages for the count stations, including the percentage changes between 2013/2014:

- 9.3% (13 segments) show an increase greater than 20% compared to 2013
- 10.7% (15 segments) show an increase of 10-20% compared to 2013
- 19.3% (27 segments) show an increase of up to 5-10% compared to 2013
- 53.6% (75 segments) show an insignificant change of -5%-5% compared to 2013
- 6.4% (9 segments) show a decrease of 5-10% compared to 2013
- 0.7% (1 segments) show a decrease of 10-20% compared to 2013
- 0.0% (0 segments) show a decrease of greater than 20% compared to 2013

Note:

1. Some count stations experienced significant year-to-year fluctuations due to construction avoidance.
2. Stations and segment ID's may not correspond as some count stations serve multiple segments.

ATTACHMENT C



Percentage Change In Peak Hour Directional Volume From 2013

Attachment D
 FY15 - FY19 5 YEAR WORK PROGRAM/CIE (TIED TO FY15 ADOPTED BUDGET)
 (Dollars shown in Thousands)

Project #	Project Name	FY15 Amount		FY16 Amount		FY17 Amount		FY18 Amount		FY19 Amount		Amount
SUMMARY OF PROJECTS												
60044C	Oil Well (Everglades to Oil Well Grade)											-
60101	County Barn Road/Davis - CR864	2,500	C									2,500
60168	Vanderbilt Beach Rd/Collier Blvd-Wilson											-
60040	Golden Gate Blvd/Wilson to 16th	18,991	D/C/R	3,550	R/C							22,541
60040B	Golden Gate Blvd/16th to Desoto					4,091	R/D/A	5,430	R/DA	6,292	R/D/A	15,813
68056	Collier Blvd (GGB to Green)	18,183	C									18,183
68057	Collier Blvd (N GG Canal - Green)											-
60116	US41/SR 951 Intersection/Resurfacing	4,773	R									4,773
TBD	Wilson Blvd Extension (951 to North Belle Mead)											-
TBD	Logan (Immk to Bonita Beach Rd)				CBO							-
61001	Tree Farm/Woodcrest	900	C									900
TBD	Pine Ridge/US-41 Intersection											-
TBD	Collier Blvd/Immk Road Intersection											-
TBD	Rattlesnake Hammock Road Ext											-
TBD	Benfield Road Extension											-
TBD	Randall/Immokalee Intersection											-
TBD	8th, 16th and 47th Bridges	1,362	D			8,188	C					9,550
TBD	Contingency	1,786		408		1,000		1,000		1,000		5,194
	Total	48,495		3,958		13,279		6,430		7,292		79,454
Operations Improvements/Programs												
66066	Bridge Repairs/Improvements	2,948		6,000		6,000		6,000		6,000		26,948
60016	Intersection Safety/Capacity/Enhancements			2,000		2,000		2,000		2,000		8,000
60172	Traffic Ops Enhancements/Signals	795		1,100		1,200		1,200		1,200		5,495
60183	Sign Retroreflectivity Requirement	200		200		200		200		200		1,000
TBD	Wall/Barrier Replacement	100		100		100		100		100		500
60163	Traffic Studies	50		50		50		50		50		250
60118	Countywide Pathways/Sidewalks Non PIL/LAP	250		250		250		250		250		1,250
69081	Pathways/Sidewalks Bike Lanes/Repairs	-		-		-		-		-		-
61011	Transit Enhancements/Operations	2,000		2,000		2,000		2,000		2,000		10,000
60128	Limerock Road Conversion	300		300		300		300		300		1,500
60131	Road Resurfacing 111	3,560		3,500		2,500		2,500		2,000		14,060
60077	Road Refurbishing (includes striping)	2,643		700		800		800		800		5,743
	Subtotal Operations Improvements/Programs	12,846		16,200		15,400		15,400		14,900		74,746
60003	Marco Island/Asset Mgmt/Planning	1,310		1,450		1,450		450		450		5,110
60171	Multi Project			50		50		50		50		200
	Transfers to other funds (312)	2,835		3,000		3,000		3,000		3,000		14,835
	Impact Fee Refunds			400		400		400		400		1,600
	Debt Service Payments	13,142		13,142		13,134		13,136		13,132		65,686
	Total Funding Request All Funds	78,628		38,200		46,713		38,866		39,224		241,631
REVENUES												
	Impact Fees/COA Revenue	6,000		6,500		6,825		7,166		7,524		34,015
	Unforecasted Impact fees from FY 14	2,000										2,000
	DCA	900										900
	Gas Tax Revenue	18,300		18,300		18,300		18,300		18,300		91,500
	Grants/Reimbursements	11,030				8,188						19,218
	Transfer In	127										127
	Interest Fund 313 Gas Tax	120		200		200		200		200		920
	Interest Impact Fees	166		200		200		200		200		966
	Transfer in from Fund 111	3,860										3,860
	General Fund Transfer	9,500		13,000		13,000		13,000		13,000		61,500
	Revenue Reduction (Less 5% Required by Law)	(1,317)										(1,317)
	Total 5 Year Revenues	50,686		38,200		46,713		38,866		39,224		213,689
	Beginning Available Cash fr Future Projects/Payment of Debt Service	26,442										26,442
	Additional Roll Forward***	1,500										1,500
	Fiscal Year Surplus/(Shortfall)	-		-		-		-		-		(1,500)
	Fiscal Yr Available Cash fr Future Projects/Payment of Debt Service	-		-		-		-		-		-
	Cumulative Fiscal Year Balance Surplus/(Shortfall)	-		-		-		-		-		-

GRANT FUNDING SUMMARY

Project #		FY15	FY16	FY17	FY18	FY19
60073	Davis/Collier	1,624				
60116	US41/SR951					
68056	Collier Blvd	8,044				
68057	Collier ROW					
66066	Bridges	1,362		8,188		
	Total Grants	11,030	0	8,188	0	0

Notes:

- Expenditures: Based on current cost estimates.
- Revenues: Based on current adopted Impact Fee Schedule, projected gas tax revenues, budgeted general fund transfer, and approved grants and developer contribution agreements.

***Roll forward increase related to reduced FY 14 Intersections \$1.5M

Key:

- S = Study
- D = Design
- M = Mitigation
- C = Construction
- R = ROW
- L = Litigation
- A = Advanced Construction
- I = Inspection
- AM = Access Management
- LP = SIB Loan Repayment to State
- CBO = Constructed By Others
- DBO = Designed By Others

Attachment "E"

Road Financing Plan Update

	FY 15	FY 16	FY 17	FY 18	FY 19	5 Year Total
Project/Program Commitments	65,486,000	24,658,000	33,179,000	25,330,000	25,692,000	174,345,000
Existing Debt Service	13,142,000	13,142,000	13,134,000	13,136,000	13,132,000	65,686,000
Impact Fee Refunds		400,000	400,000	400,000	400,000	1,600,000
Total Expenses	78,628,000	38,200,000	46,713,000	38,866,000	39,224,000	241,631,000
Impact Fee Revenue	8,000,000	6,500,000	6,825,000	7,166,000	7,524,000	36,015,000
Gas Tax Revenue	18,300,000	18,300,000	18,300,000	18,300,000	18,300,000	91,500,000
Debt Svc General Fund Transfer	13,360,000	13,000,000	13,000,000	13,000,000	13,000,000	65,360,000
Interest Gas Tax/Impact Fee	286,000	400,000	400,000	400,000	400,000	1,886,000
Grants/Reimbursements *	12,057,000		8,188,000			20,245,000
Revenue Reserve (5% Budgeted by Statute)	(1,317,000)					(1,317,000)
Total Revenues	50,686,000	38,200,000	46,713,000	38,866,000	39,224,000	213,689,000
Available Cash for Future Projects/Payment of Debt Service **	26,442,000					26,442,000
Additional Roll Forward	1,500,000					1,500,000
Fiscal Year Balance (Surplus or Shortfall)	-	-	-	-	-	-
Cumulative Fiscal Year Balance (Surplus or Shortfall)	-	-	-	-	-	-

* Includes programmed FDOT Grants and Naples Reserve DCA

** Available Cash for Future Projects/Payment of Debt Service includes the budgeted FY14 Available Cash and does not include project funding encumbered (roll over) in prior fiscal years to be paid out over the following schedule for phases (average time for payout): This Available Cash for Future Projects/Payment of Debt Service number that includes the roll of encumbrances will not be available until after October 1, 2014 but Attachment J provides a listing of major projects previously budgeted with available funding anticipated to complete the project/phases.

Revenues based on current adopted Impact Fee Schedule, projected gas tax revenues, budgeted general fund transfer, and approved grants and developer contribution agreements.

ID#	CIE#	Proj#	Road#	Link	From	To	Exist Road	Cnt. Sta.	Min Sid	Peak Dir	2014 Peak Hour		2014		2014		2014		L O S	Remain. Capacity	Year Expected Deficient	100% Trip Bank		100% Total Trip Bank	100% Total Volume	100% Remaining Capacity	
											Peak Dir	Volume	Hour	Volume	17th Trip Bank	17th Total	17th Trip Bank	17th Total									
104.0			US41	Tamiami Trail North	Solana Road	Creech Road				#N/A											#N/A						
105.0			US41	Tamiami Trail North	Creech Road	Golden Gate Parkway				#N/A																	
106.0			US41	Tamiami Trail North	Golden Gate Parkway	Central Avenue				#N/A																	
107.0			US41	Tamiami Trail North	Central Avenue	Four Corners				#N/A																	
108.0			US41	Tamiami Trail North	Bayshore Drive	Tamiami Trail				#N/A																	
109.0	42	65071	CR862	Vanderbilt Beach Road	Gulfshore Drive	Tamiami Trail	2U	698	D	E	800	440	12	53	65	505	295	C									
110.1	23	67021	CR862	Vanderbilt Beach Road	Tamiami Trail	Goodlette-Frank Road	4D	646	D	E	1,400	1,520	0	0	0	1,000	380	D									
110.2	23	67021	CR862	Vanderbilt Beach Road	Goodlette-Frank Rd.	Alport Road	4D/6D	666	D	E	1,900	1,800	0	0	0	1,800	700	C									
111.1	63	63051	CR862	Vanderbilt Beach Road	Livingston Rd.	Livingston Rd.	6D	579	E	W	3,000	1,830	0	0	0	1,830	1,170	C									
111.2	63	63051	CR862	Vanderbilt Beach Road	Livingston Rd.	Livingston Rd.	6D	588	E	W	3,000	1,710	66	66	66	1,776	1,224	C									
112.0	24	63051	CR862	Vanderbilt Beach Road	Logan Boulevard	Logan Boulevard	6D	580	E	W	3,000	1,220	156	2	158	1,378	1,622	B									
114.0	25	69061	CR901	Vanderbilt Drive	Bontia Beach Road	Wiggins Pass Road	2U	578	D	N	1,000	410	32	32	32	442	558	B									
115.0	36	69061	CR901	Vanderbilt Drive	Wiggins Pass Road	Wiggins Pass Road	2U	611	D	W	800	210	0	0	0	210	590	B									
116.0		99228	CR888	Westing Pass Road	Carson Rd.	Carson Rd.	2U	669	D	E	1,000	380	2	13	15	305	605	B									
118.0				Wilson Blvd	Imмокalee Road	Imмокalee Road	2U	650	D	S	900	270	0	0	0	270	630	B									
119.0		60044	CR888	Oil Well Road	Imмокalee Road	Everglades Boulevard	4D	725	D	E	2,000	410	0	0	0	410	1,374	B									
120.0		60044	CR888	Oil Well Road	Everglades Road	Everglades	2U	694	D	W	1,100	230	0	0	0	230	430	B									
121.1				Oil Well Road	DeSoto	DeSoto	2U	694	D	W	1,100	230	0	0	0	230	430	B									
121.2				Oil Well Road	Oil Well Grade	Oil Well Grade	4D	694	D	W	2,000	230	0	0	0	230	430	B									
122.0				Oil Well Road	Camp Kensis Road	Camp Kensis	2U	694	D	W	800	230	0	0	0	230	430	B									
123.0		60040		Golden Gate Blvd.	Wilson	E of Everglades	2U	652	D	E	1,010	1020	0	0	0	1,020	(10)	F	Existing								
124.0		60040		Golden Gate Blvd.	DeSoto	DeSoto	2U	652	D	E	1,010	1020	0	0	0	1,020	(10)	F	Existing								
125.0				Pine Ridge Road	Logan Boulevard	Logan Boulevard	4D	535	D	E	2,400	1,290	7	7	7	1,297	1,103	C									
132.0				Randal Blvd.	Imмокalee	Everglades	2U	651	D	E	900	750	24	36	60	610	810	D									
133.0				Everglades	Everglades	Everglades	2U	651	D	E	900	750	24	36	60	610	810	D									
134.0				Everglades	Golden Gate Blvd.	Golden Gate Blvd	2U	637S	D	S	800	360	0	0	0	360	440	B									
135.0				Everglades	Golden Gate Blvd.	Golden Gate Blvd	2U	636S	D	N	800	260	0	0	0	260	280	B									
136.0				Everglades	Imмокalee	Imмокalee	2U	635S	D	N	800	300	0	0	0	300	520	B									
137.0				DeSoto Blvd.	Imмокalee	Imмокalee	2U	639A	D	S	800	110	0	0	0	110	690	B									
138.0				Orange Blossom	DeSoto Blvd.	DeSoto Blvd.	2U	638A	D	S	800	90	0	0	0	90	710	B									
142.0				Shadowlawn Dr.	Orange Blossom	Goodlette	2D	647	D	W	1,200	500	0	0	0	500	500	B									
143.0				Bridge Repairs/Improvements	Shadowlawn Dr.	Livingston Rd.	2U	647	D	W	1,000	500	0	0	0	500	500	B									
145.0		66066		Intersection Safety/Capacity Improve	Tamiami Trail	Davis	2U	523	D	N	800	240	0	0	0	240	560	B									
147.0		60016		Traffic Ops Enhancements	Bridge Repairs/Improvements																						
148.0		60172		Traffic Calming/Studies	Intersection Safety/Capacity Improve																						
150.0		60163		Pathways/Sidewalks/Bike Lanes	Traffic Ops Enhancements																						
151.0		69081		Transit Facility & Transfer Site	Traffic Calming/Studies																						
152.0		35010		Transit Enhancements	Pathways/Sidewalks/Bike Lanes																						
153.0		61010		Enhanced Resurfacing (Transfer to 10/1/11)	Transit Facility & Transfer Site																						
154.0		60077		Safety Enhancements	Transit Enhancements																						
155.0		60077		Collector Roads/Minor Arterial Roads	Enhanced Resurfacing (Transfer to 10/1/11)																						
156.0		60003		Advanced ROW	Safety Enhancements																						
157.0		60171		Transfers to other funds	Collector Roads/Minor Arterial Roads																						
158.0				Impact Fee Refunds	Advanced ROW																						
159.0				Debt Service Payments	Transfers to other funds																						
161.0				Contingency	Impact Fee Refunds																						
162.0					Debt Service Payments																						

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2014 AUIR Update Deficiencies Report

Results

Listed below are the roadway links that are currently deficient or are projected to be deficient under the concurrency system within the next five years and the programmed and proposed solutions to solve these deficiencies:

2014 Existing Deficiencies Based on Traffic Counts						
ID #	Map Roadway	From	To	Trip Bank	Remaining Capacity	Solutions
72.0	Rattlesnake Hammock Rd	US 41	Charlemagne Blvd	55	-105	No Add to TCEA?
123.0	Golden Gate Blvd	Wilson	E of Everglades	0	-5	No Widening to four lanes scheduled in 2015/16

2014 Existing Deficiencies based on vested trips added to traffic counts						
Item #	Map Roadway	From	To	Trip Bank	Remaining Capacity	Solutions
None at this time						

Projected Deficiencies <5 Years						
Item #	Map Roadway	From	To	Trip Bank	Remaining Capacity	Solutions
36.1	Collier Boulevard	US 41	Wal-Mart Driveway	117	307	No Projected failure 2018. Intersection currently under construction. Will re-evaluate.
42.1	Innokalee Rd	Airport Road	Livingston Rd.	24	276	Yes Projected failure 2019; Northwest TCMA
62.0	Old US 41	Lee County Line	Tamiami Trail	149	241	No Projected failure 2019; P.D & E Study programmed for FY 2018/19
67.1	Pine Ridge Road	Airport Road	Livingston Rd.	149	241	Yes Projected failure 2019; East Central TCMA

Projected Deficiencies 5-10 Years						
Item #	Map Roadway	From	To	Trip Bank	Remaining Capacity	Solutions
20.2	Golden Gate Pkwy	Livingston Rd.	I-75	2	588	Yes Projected failure 2024; East Central TCMA
22.0	Golden Gate Pkwy	Santa Barbara Blvd.	Collier Blvd.	53	267	Yes Projected failure 2023; East Central TCMA
36.2	Collier Boulevard	Wal-Mart Driveway	Manatee Rd.	117	183	No Projected failure 2020; State Road; P.D & E programmed 2014/15
92.0	Tamiami Trail East	Airport Rd.	Rattlesnake Hammock Rd.	269	341	No Projected failure 2022; TCEA
99.9	Tamiami Trail North	Wiggins Pass Road	Immokalee Road	36	474	Yes Projected failure 2023; Northwest TCMA
132.0	Randal Blvd.	Immokalee	Everglades	60	90	No Projected failure 2020; P. D & E programmed 2014/15

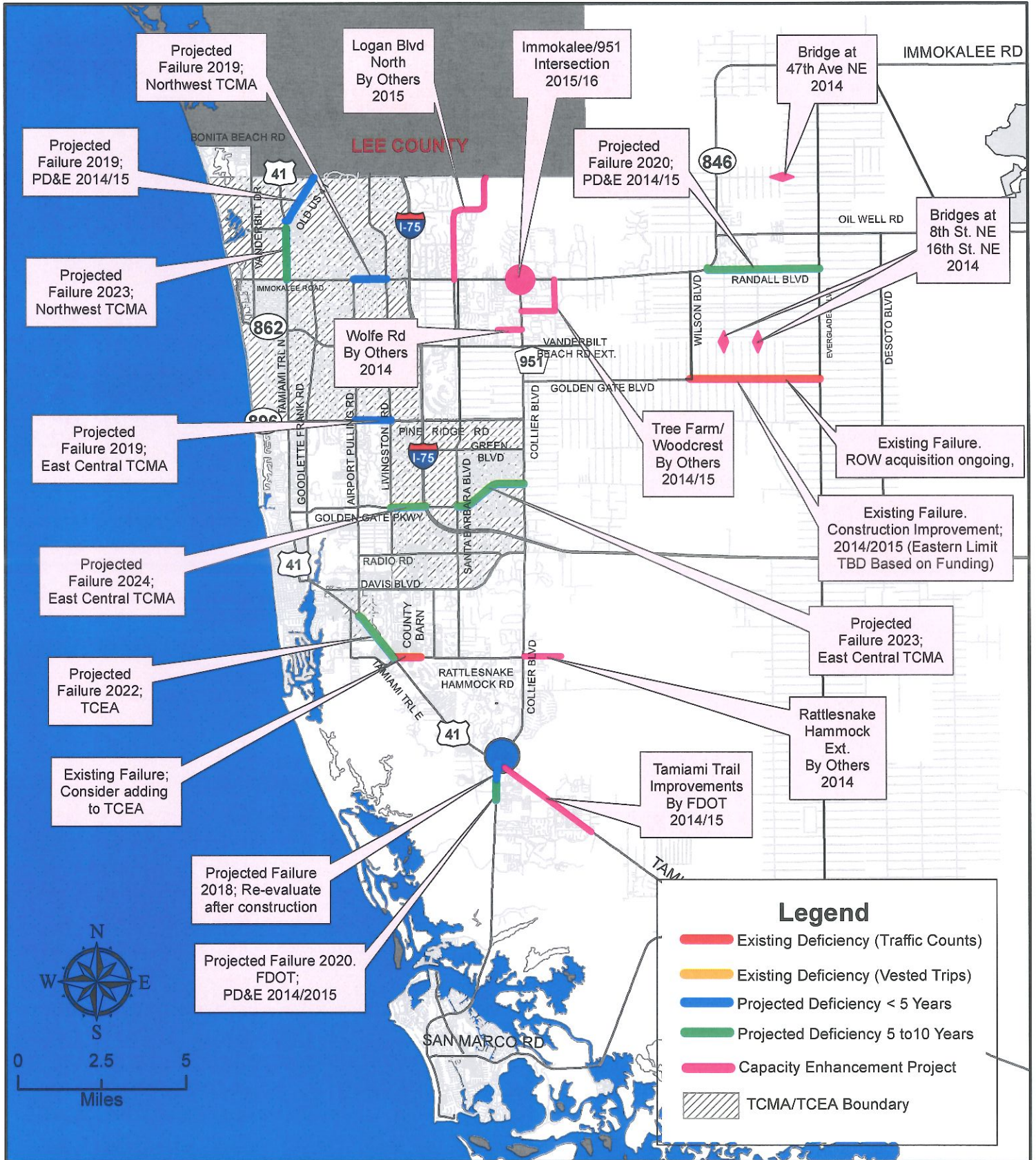
Prepared By: _____ Date: _____

Transportation Planning

*Note: Roadways projected to be deficient will be subject to a detailed LOS and capacity analysis within three years of projected failure.

- NOTES:
- State Facility
 - Transportation Concurrency Exception Area
 - Transportation Concurrency Management Area
 - East Central TCMA
 - Northwest TCMA
 - Intelligent Traffic Management Systems

ATTACHMENT H



PROJECTED COLLIER COUNTY DEFICIENT ROADS FY 2014 - FY 2024

Transportation Services Division
Transportation Planning Department

Attachment I

TCMA Report
Collier County Transportation Concurrency Management System

AJUR ID	Street Name	From	To	PkHr-PkDir V/C Ratio	Length	#Lanes	Lane Miles	Lane Miles @ VC ≤ 1.00
East Central TCMA								
67.1	Pine Ridge Road	Airport Road	Livingston Rd.	0.92	2.09	6	12.6	12.56
68.0	Pine Ridge Road	I-75	Logan Boulevard	0.72	0.99	6	6.0	5.97
70.0	Radio Road	Livingston Road	Santa Barbara Boulevard	0.54	2.00	4	8.0	7.98
71.0	Radio Road	Santa Barbara Boulevard	Davis Boulevard	0.27	1.34	4	5.4	5.36
76.0	Santa Barbara Boulevard	Green Boulevard	Golden Gate Parkway	0.53	1.70	4	6.8	6.81
77.0	Santa Barbara Boulevard	Golden Gate Parkway	Radio Road	0.56	1.40	6	8.4	8.43
78.0	Santa Barbara Boulevard	Radio Road	Davis Boulevard	0.49	1.05	6	6.3	6.32
125.0	Pine Ridge Road	Logan Boulevard	Collier Boulevard	0.54	1.88	4	7.5	7.53
14.0	Davis Boulevard	Lakewood Boulevard	County Barn Road	0.75	1.71	4	6.8	6.83
15.0	Davis Boulevard	County Barn Road	Santa Barbara Boulevard	0.63	0.75	4	3.0	3.02
16.1	Davis Boulevard	Santa Barbara Boulevard	Radio Rd.	0.23	2.62	4	10.5	10.47
21.0	Golden Gate Parkway	I-75	Santa Barbara Boulevard	0.59	1.01	6	6.1	6.07
22.0	Golden Gate Parkway	Santa Barbara Boulevard	Collier Boulevard	0.85	2.21	4	8.8	8.84
27.0	Green Boulevard	Santa Barbara Boulevard	Collier Boulevard	0.72	1.99	2	4.0	3.99
31.1	Collier Boulevard	Pine Ridge Road	Green Boulevard	0.61	1.04	6	6.2	6.24
33.0	Collier Boulevard	I-75	Davis Boulevard	0.60	0.86	8	4.5	4.47
49.0	Logan Boulevard	Pine Ridge Road	Green Boulevard	0.73	0.88	4	3.5	3.53
54.0	Livingston Road	Pine Ridge Road	Golden Gate Parkway	0.48	2.60	6	15.6	15.59
55.0	Livingston Road	Golden Gate Parkway	Radio Road	0.43	1.41	6	8.5	8.49
16.2	Davis Boulevard	Radio Rd.	Collier Boulevard	0.35	2.32	6	13.9	13.93
32.2	Collier Boulevard	Golden Gate Pwky	Golden Gate Main Canal	0.59	1.01	4	4.0	4.04
32.3	Collier Boulevard	Golden Gate Main Canal	I-75	0.38	0.65	8	5.2	5.20
67.2	Pine Ridge Road	Livingston Rd.	I-75	0.82	2.20	6	13.2	13.20
					35.44		174.87	174.87

Total Lane Miles: 174.87

Lane Miles ≤ 1.00 V/C: 174.87

Percent Lane Miles Meeting Standard: 100.0%

TCMA Report

Collier County Transportation Concurrency Management System

AJUR ID	Street Name	From	To	PKHR-PkDir V/C Ratio	Length	#Lanes	Lane Miles	Lane Miles @ VC ≤ 1.00
Northwest TCMA								
66.0	Pine Ridge Road	Shirley Street	Airport Road	0.77	0.81	6	4.9	4.88
98.0	Tamiami Trail North	Lee County Line	Wiggins Pass Road	0.64	1.67	6	10.0	10.02
99.0	Tamiami Trail North	Wiggins Pass Road	Immokalee Road	0.85	1.52	6	9.1	9.11
100.0	Tamiami Trail North	Immokalee Road	Vanderbilt Beach Road	0.77	1.51	6	9.1	9.06
101.0	Tamiami Trail North	Vanderbilt Beach Road	Gulf Park Drive	0.71	1.26	6	7.6	7.58
102.0	Tamiami Trail North	Gulf Park Drive	Pine Ridge Road	0.72	1.44	6	8.6	8.64
109.0	Vanderbilt Beach Road	Gulfshore Drive	Tamiami Trail	0.71	1.34	2	2.7	2.68
110.1	Vanderbilt Beach Road	Tamiami Trail	Goodlette-Frank Road	0.80	1.87	4	7.5	7.50
111.1	Vanderbilt Beach Road	Airport Road	Livingston Rd.	0.61	3.22	6	19.3	19.30
114.0	Vanderbilt Drive	Lee County Line	Wiggins Pass Road	0.41	2.52	2	5.0	5.03
115.0	Vanderbilt Drive	Wiggins Pass Road	111th Avenue	0.40	1.49	2	3.0	2.99
117.0	Wiggins Pass Road	Vanderbilt Drive	Tamiami Trail	0.38	1.05	2	2.1	2.10
1.0	Airport Road	Immokalee Road	Vanderbilt Beach Road	0.62	1.97	4	7.9	7.89
2.1	Airport Road	Vanderbilt Beach Road	Orange Blossom Dr.	0.69	1.53	6	9.2	9.18
20.1	Golden Gate Parkway	Airport Road	Livingston Rd.	0.70	1.97	6	11.8	11.81
23.0	Goodlette-Frank Road	Immokalee Road	Vanderbilt Beach Road	0.78	1.80	2	3.6	3.60
24.1	Goodlette-Frank Road	Vanderbilt Beach Road	Orange Blossom Dr.	0.61	0.88	4	3.5	3.52
24.2	Goodlette-Frank Road	Orange Blossom Dr.	Pine Ridge Road	0.68	1.53	6	9.2	9.18
39.0	111th Avenue N.	Gulfshore Drive	Vanderbilt Drive	0.34	0.51	2	1.0	1.01
40.0	111th Avenue N.	Vanderbilt Drive	Tamiami Trail	0.43	1.00	2	2.0	2.01
41.1	Immokalee Road	Tamiami Trail	Goodlette-Frank Rd.	0.65	1.47	6	8.8	8.84
42.1	Immokalee Road	Airport Road	Livingston Rd.	0.91	1.96	6	11.8	11.79
51.0	Livingston Road	Imperial Street	Immokalee Road	0.47	3.31	6	19.8	19.85
52.0	Livingston Road	Immokalee Road	Vanderbilt Beach Road	0.55	1.99	6	12.0	11.96
53.0	Livingston Road	Vanderbilt Beach Road	Pine Ridge Road	0.53	2.21	6	13.3	13.26
63.0	Seagate Drive	Crayton Road	Tamiami Trail	0.50	0.48	4	1.9	1.93
64.0	Pine Ridge Road	Tamiami Trail	Goodlette-Frank Road	0.66	0.50	6	3.0	3.02
65.0	Pine Ridge Road	Goodlette-Frank Road	Shirley Street	0.75	0.67	6	4.0	4.05
2.2	Airport Road	Orange Blossom Dr.	Pine Ridge Rd.	0.67	2.92	6	17.5	17.51
20.2	Golden Gate Pkwy	Livingston Rd.	I-75	0.82	1.97	6	11.8	11.82
41.2	Immokalee Road	Goodlette-Frank Rd.	Airport Road	0.82	2.47	6	14.8	14.81
42.2	Immokalee Road	Livingston Rd.	I-75	0.66	1.78	7	12.5	12.48
110.2	Vanderbilt Beach Road	Goodlette-Frank Rd.	Airport Road	0.80	2.40	4	9.6	9.58
111.2	Vanderbilt Beach Road	Livingston Rd.	Logan Blvd.	0.61	3.11	6	18.7	18.68
							296.66	296.66
							58.16	
Total Lane Miles:							296.7	
Lane Miles ≤1.0 V/C:							296.7	
Percent Lane Miles Meeting Standard:							100.0%	

Attachment J

**FY14 Activity Report on continuing Projects under Contract/DCA/Advanced Construction
(Dollars shown in Thousands)**

Project Number	SUMMARY OF PROJECTS BY NAME	FY14 Amount
60116	US 41/CR 951	13,296
68056	Collier Blvd (Green to Golden Gate Blvd)	9,207
61001	Tree Farm/Woodcrest	1,106
	Total	23,609

****As of 7/31/14**

COUNTY STORMWATER MANAGEMENT SYSTEM

CONTENTS

- COUNTY STORMWATER MANAGEMENT SYSTEM
– SUMMARY
- EXISTING CANAL SYSTEMS AND CONTROL STRUCTURES –
OVERVIEW
- COUNTYWIDE STORMWATER CANAL SYSTEM – MAP
- COUNTYWIDE STORMWATER CONTROL STRUCTURES –
MAP
- PROPOSED STORMWATER MANAGEMENT 5-YEAR WORK
PROGRAM
- STORMWATER MANAGEMENT PROJECT DESCRIPTIONS
- STORMWATER MANAGEMENT PROJECT LOCATION MAP
- ATTACHMENT A: STORMWATER MANAGEMENT PROJECT
PLANNING PROCESS
- ATTACHMENT B: SYSTEM INVENTORY AND GIS DATABASE
REPORT
- ATTACHMENT “C”: TABLES
 - TABLE 2 – CURRENT CANAL SYSTEM INVENTORY
 - TABLE 3 – CANAL AND DITCH CONDITION RATING SYSTEM
 - TABLE 4 – CURRENT CONTROL STRUCTURE INVENTORY
 - TABLE 5 – CONTROL STRUCTURE INSPECTION RATING
SYSTEM

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2014 AUIR SUMMARY
STORMWATER MANAGEMENT SYSTEM

Facility Type: County Maintained System of Secondary Stormwater Management Canals & Structures (Category A)

Level of Service Standard (LOSS): Varies by individual watershed

System Maintained By Collier County:

Based on current Collier County GIS Database

Existing Canals	113	miles
Proposed Reconstruction/Additions within 5-Year Planning Period	5.1	miles
Existing Water Control Structures	55	
Proposed Additional Structures within 5-Year Planning Period	6	

Stormwater Program Summary FY 2015 thru FY 2019

Recommended Work Program	\$ 27,908,000
Recommended Operating Costs	\$ 5,600,000
Interest/Misc	\$ 175,000
Recommended Revenues	\$ <u>33,683,000</u>
Five-Year Surplus or (Deficit)	\$ 0

1. Existing Revenue Sources FY 15-19

Fund 001	\$ 23,498,000
Fund 111	\$ 9,890,000
Interest/Misc	\$ 175,000
Available Cash for Future Projects/Payment of Debt Service	\$ 130,000
Less 5% required by law	\$ <u>(10,000)</u>
TOTAL	\$ 33,683,000

2. Supplemental Revenue Sources

None Required

Recommendation:

That the BCC direct the County Manager or his designee to include County stormwater projects appearing on the proposed "Stormwater Five - Year Work Program," (Table 1) as detailed in the attached Project Descriptions and prioritized by the Stormwater Project Prioritization Process, in the next Annual CIE Update and Amendment with the application of revenues as outlined in the Program Revenue section of Table 1; and that it approve the proposed 2014 Stormwater Management System AUIR and adopt the CIE Update for FY 2014/15 – FY 2018/19.

EXISTING CANAL SYSTEMS AND CONTROL STRUCTURES

Currently, the County maintains 113 miles of canal (including ditches) and 55 stormwater control structures. Figures 1 and 2 show the locations for all canals (including ditches) and stormwater control structures maintained by the County, respectively. Table 2 and Table 3 identify all canals and ditches and control structures maintained by the County, respectively. Tables 2 and 3 are shown in Attachment "C".

In Table 2, detailed information regarding peak flow rates for all County maintained canal and ditch segments will be added as updated data becomes available. The overall condition rating ranks from Good (scheduled for inspection and to be sprayed a deemed necessary) to Poor (Schedule for spraying within 30 days). The ratings are based on Road Maintenance Condition perspectives. Table 3 explains each rating,

Each control structure (Table 4) has an overall condition rating based on a 2012 evaluation. The condition of the structure is based on two types of inspections: Structural and Civil. The overall condition rating ranks from C-1 (no action needed) to C-5 Critical (repair or replacement needed immediately). The ratings are based on identified deficiencies and the potential resulting impact. Table 5 explains each rating. Design of three (3) structure replacements is currently underway and reflected in the current work program and the proposed 5-year work program.

Collier County Stormwater Canal System

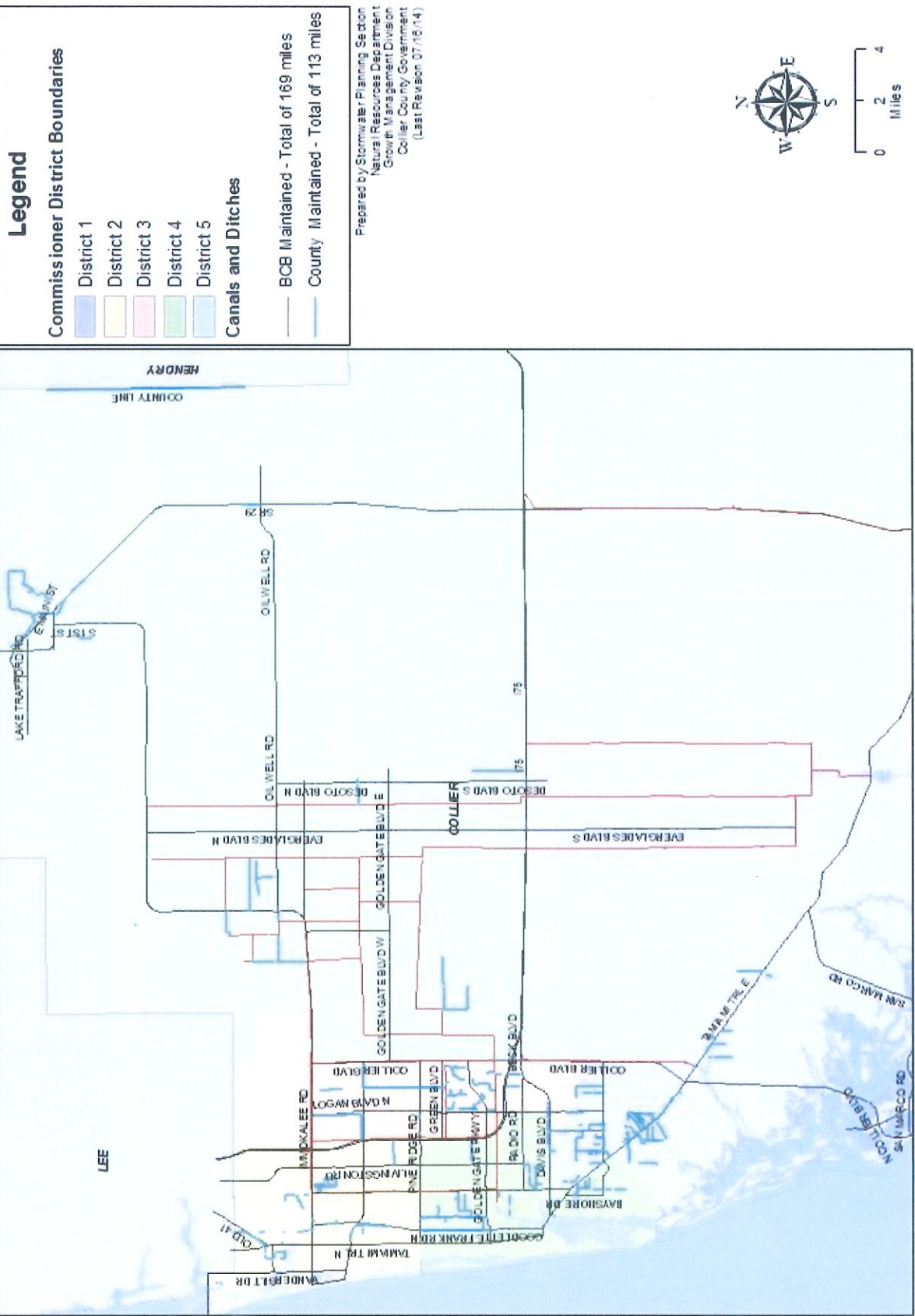


Figure 1: Collier County Stormwater Canal System

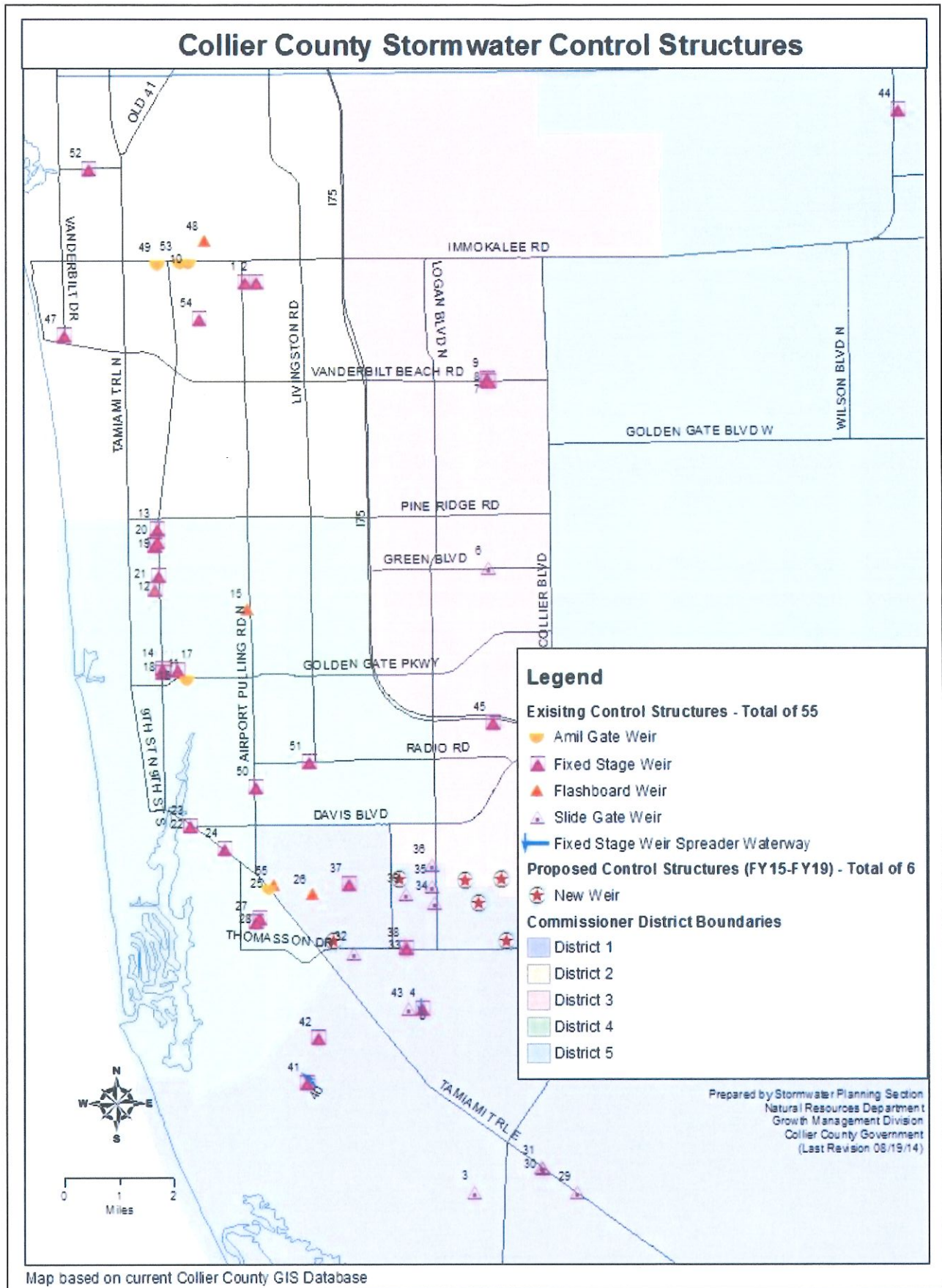


Figure 2: Collier County Stormwater Control Structures

2014 AUIR STORMWATER MANAGEMENT PROPOSED 5-YEAR WORK PROGRAM

Table 1: FY 15 - FY 19

Plan Year		1		2		3		4		5		5 - Year Totals
Fiscal Year		FY 15		FY 16		FY 17		FY 18		FY 19		
Proj. No.	Current Multi-Year Commitments											
51018	Gordon River WQ Park Monitoring and Main.			25	M	25	M	25	M	25	M	100
51101	LASIP	3,305	DRC	536	DRC							3,841
51144	Stormwater Feasibility and Preliminary Design	210	P	300	P	300	P	300	P	300	P	1,410
60121	NPDES MS4 Program			150	P	150	P	150	P	150	P	600
Infrastructure Maintenance Projects												
51029	GG City Outfall Replacements (6)	950	DC	1,350	DC	1,500	DC	1,700	DC	1,700	DC	7,200
60124	Eagle Creek Weir Replacement			350	DA	400	C					750
60103	Halderman Creek Weir Replacement					800	C					800
60126	Pine Ridge Mockingbird Lake Outfall	120	DRC									120
System Capacity Projects												
TBD	Palm Springs Outfall Improvements (10)									300	DC	300
TBD	Naples Park Swales - Coord. W Utilities (1)			1,600	DC	1,600	DC	1,600	DC	1,600	DC	6,400
TBD	Cooper Drive (2)			500	DC							500
TBD	Ridge Street (5)							600	DC			600
TBD	Harbor Lane Brookside (7)							600	DC			600
Watershed Management Plan Projects												
60127	North Golden Gate Estates Flowway Restoration *	100	P	100	DA	100	DA	325	DA	770	AR	1,395
TBD	North Belle Meade Spreader Swale * (8)			100	DA	100	DA	325	DA	770	AR	1,295
Water Quality Improvement Projects												
60102	Gordon River Ext. (9)									500	DC	500
TBD	Griffin Road Outfall (3)			490	DA	727	DA	280	C			1,497
Total Projects		4,685		5,501		5,702		5,905		6,115		27,908
Reserves		35		35		35		35		35		175
Stormwater Operating (Fund 324)		1,120		1,120		1,120		1,120		1,120		5,600
Total Program Cost		5,840		6,656		6,857		7,060		7,270		33,683

* Denotes projects that must still undergo detailed planning, coordinating, and matching fund efforts with SFWMD/BCB

(#) Denotes project ranking based on current prioritization process

P = Planning, D = Design & Permitting, R = Right-of-Way Acquisition, C = Construction, M = Maintenance/Monitoring, A = Advance Funding

Notes:

- All numbers are in thousands of dollars.
- 2015 outlay actual budget proposed, subsequent years proposed/estimated & subject to change.
- Const. funding level indicated for NNGE Flowway & Northern Belle Meade requires 50% SFWMD match.
- The #4 ranked project, Karen Drive, was awarded a Housing, Human and Veteran Services grant & therefore is not shown in this AUIR

Program Revenue (Fund 325)

Plan Year		1		2		3		4		5		5 - Year Totals
Fiscal Year		FY 15		FY 16		FY 17		FY 18		FY 19		
	Trans fm 001	4,627		5,073		5,124		4,677		3,997		23,498
	Trans fm 111 Unincorporated	1,050		1,550		1,700		2,350		3,240		9,890
	Interest/Misc	35		35		35		35		35		175
	Neg 5% Revenue Reserve	(2)		(2)		(2)		(2)		(2)		(10)
	Available Cash for Future Projects/ Payment of Debt Service	130										130
Total Program Revenue		5,840		6,656		6,857		7,060		7,270		33,683

FY 15 – 19 PROJECT DESCRIPTIONS

Current Multi-Year Commitments

1. Gordon River WQ Park (Freedom Park) (P/N 51018)
Maintenance and Monitoring - Recurring maintenance efforts of the man-made wetlands & filter marsh stormwater treatment train; collection and laboratory analysis of surface water intake and discharge samples for water quality treatment monitoring, tracking the effectiveness of the system.
2. LASIP (P/N 51101)
Major improvements to the Lely Canal, Lely Branch Canal, and Lely-Manor Canal Systems in the East Naples area. Three (3) construction segments have yet to be completed of the original 27 component project which began in 2006. Efforts are currently underway to extend the Environmental Resource Permit issued jointly by the US Army Corps of Engineers and the South Florida Water Management District.
3. Stormwater Planning (P/N 51144)
Long range strategic planning for future program progression, capital improvement project identification and prioritization, specific basin issue evaluation and funding appropriation analysis. Individual Project Feasibility Studies will be funded from this Project and guided by the project ranking criteria established the Planning process identified in Attachment A.
4. NPDES MS4 Program (P/N 60121)
Continued development of and compliance with the federally mandated National Pollutant Discharge Elimination System (NPDES) permitting program for the County operated Municipal Separate Storm Sewer System (MS4).

Infrastructure Maintenance Projects

5. Golden Gate City Outfall Replacements (P/N 51029)
Sequential replacement including planning, design and construction of antiquated system of stormwater structures and outfall pipes located within the public right-of-ways and drainage easements of an existing, four square mile, developed area known as Golden Gate City.
6. Eagle Creek Weir (P/N 60124)
Due to documented structural and mechanical deficiencies as well as operational and maintenance issues (2012 CH2MHill Report), this project has been initiated to first evaluate the existing conditions of the basin, verifying peak discharge rates and stages, and based on findings, recommend the degree of necessary remediation. Subsequent efforts will include design, permitting and construction activities necessary for either weir gate mechanism replacement or entire weir replacement.
7. Halderman Creek & Winter Park Weirs (P/N 60103)
Due to documented structural and mechanical deficiencies as well as operational and maintenance issues (2012 CH2MHill Report), this project has been initiated to first evaluate the existing conditions of the basin, verifying peak discharge rates and stages, and based on findings, recommend the degree of necessary remediation. Due to the weir's proximity to the Winter Park (WP) weir, as well as a similar current conditional rating, evaluation of the WP weir is also included. Subsequent efforts will include design, permitting and construction activities necessary for weir repairs, removal of one weir, weir replacement, or combination thereof.

8. Pine Ridge Mockingbird Lake Outfall (P/N 60126)

Reconstruction of the Mockingbird Lake Outfall is complete. One additional outfall improvement is needed in the southeast area of Pine Ridge Estates. Acquisition of a drainage easement is necessary from 122 Ridge Drive to remedy documented ongoing, seasonal street and yard flooding.

System Capacity Projects

9. Palm Springs Outfall Improvements (P/N TBD)

Upgrades are necessary to one remaining, unimproved section of the surface water management conveyance system for the Palm Springs area. Easements and existing ditch improvements are necessary for an approximately 1,000 foot-long section.

10. Naples Park Swales (Coord. w/ Utilities) (P/N TBD)

In coordination with the Utilities Division water main and possibly sanitary sewer collection system replacements, this potential project is consideration of roadside swale reconstruction in conjunction with utility replacement work, should funds become available; includes all east-west streets in the Naples Park Subdivision.

11. Cooper Drive

The eastern section of Cooper Drive experienced street and yard flooding during the 2013 rainy season near the intersection of 14th Street North. A preliminary assessment determined that conveyance of stormwater runoff through existing culverts located within the road right of way may be restricting flow to the outfall – the ditch along the west side of Goodlette Frank Road. A feasibility analysis will precede development of any remedial project plans.

12. Ridge Street

The center section of Ridge Street, located between US 41 and Goodlette Road just south of the High Point community, has no stormwater collection and conveyance system. The lack of any stormwater management system, coupled with the low lying topography has created a documented area of chronic street and yard flooding during most rainy seasons. Staff considers that one possible remedy is the installation of basic stormwater runoff collection and conveyance system located within existing right of way. A feasibility analysis will precede development of any remedial project plans.

13. Harbor Lane Brookside

The street has minimal to no slope which results in numerous locations of ponding stormwater runoff following normal/average rainfall events. The street also has no engineered stormwater management system to collect and convey runoff. The few, existing outfall pipes are in various states of deterioration and failure. A feasibility analysis will precede development of any remedial project plans.

Watershed Management Plan Projects

14. North Golden Gate Estates Flowway Restoration (P/N 60127)

Development of plans to restore the Northern Golden Gate Estates (NGGE) Flowway by redirecting surface water flows currently conveyed to the canal system into surrounding low-lying wetland areas. The work includes analysis of potential linking of areas by multiple culvert installation under estates roads.

15. North Belle Meade Spreader Swale (P/NTBD)

Further development of plans to redirect an appropriate amount of flow from the Golden Gate Main Canal into the North Belle Meade area providing environmental benefit for Naples Bay and the wetlands of North Belle Meade, increased ground water recharge improving the neighboring public water supply well field sustainability.

Water Quality Improvement Projects

16. Gordon River Ext. Burning Tree Drive Diversion (P/N 60102)

This effort is the evaluation phase of a potential project which may result in the diversion of additional surface water flow into areas adjacent to the Gordon River Extension to provide additional water quality treatment prior to discharge into the Gordon River.

17. Griffin Road Outfall (P/N TBD)

The Griffin Road Stormwater Improvement Project is located near the southwestern terminus of Griffin Road in the East Naples area of Collier County off of US41 Tamiami Trail and Barefoot Williams Road. The project includes construction of a water quality treatment area on Rookery Bay National Estuarine Research Reserve property. The focus of the project is to provide water quality treatment facilities and an adequate stormwater outfall for the area.

CURRENT YEAR (FY 14) CONTINUING – PROJECT DESCRIPTIONS

The following projects were listed in the 5-year work program of the 2013 AUIR. They are not listed in Table 3: FY 15 – 19 above, as no additional funding appropriation is anticipated. The first three (3) projects are currently on-going, utilizing FY 13 and 14 approved funding, and are planned to be completed in 2015. The fourth project was an on-demand contingency or emergency repair work effort. These project responsibilities have been transferred to the Road Maintenance Department.

1. Vanderbilt Drive (Coord. w/ Utilities – P/N 60122)

This project is the reconstruction of the roadside swale along the east side of Vanderbilt Drive adjacent to Naples Park designed to be completed in conjunction with installation of a new potable water main.

2. 28th Ave SE Culvert Crossing Over Miller Canal (P/N 60123)

Existing Miller Canal culverts at the 28th Ave SE roadway crossing are undersized creating a restriction to flow. Additional right of way is being purchased for installation of a new bridge crossing restoring sufficient canal flow. This is a cooperative cost share project with the South Florida Water Management District.

3. Pine Ridge Canal Weir No.1 Replacement (P/N 60119)

The weir has current documented structural and mechanical deficiencies as well as operational and maintenance issues (2012 CH2MHill Report). Existing conditions of the basin/sub-basin, peak discharge rates and stages, and design storm analysis has been completed. Design, permitting and construction plans for the new structure are underway.

4. Secondary System (Emergency) Repair (P/N 60094)

Planning and execution on an as-needed or contingency basis of unexpected necessary system infrastructure repairs or replacements; These efforts are characteristically slightly more complex than typical operation and maintenance repairs, needing some basic planning, permitting, design and construction oversight.

Stormwater 2014 AUIR Project Location Map

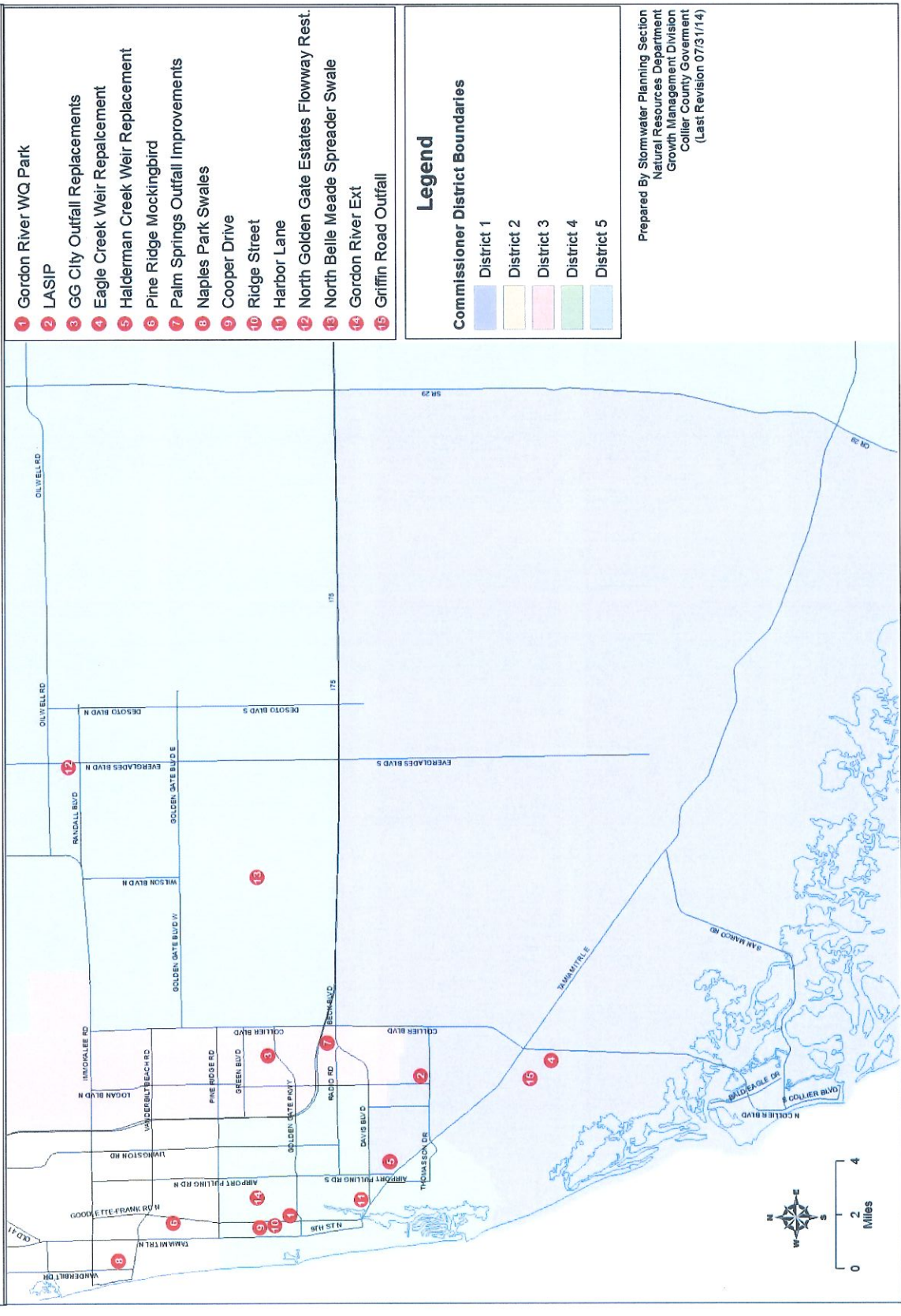


Figure 3: 2014 AUIR Project Location Map

Attachment "A"

COLLIER COUNTY STORMWATER MANAGEMENT PROJECT PLANNING PROCESS

Objective: To adequately identify and prioritize stormwater management projects to include in the County's AUIR/5-year Plan and Budgeting process.

Purpose: To provide the Board County Commissioners with a general outline of the ongoing Project Planning and Prioritization Process.

Considerations:

On December 13, 2011, the BCC approved the County Watershed Management Plan and a Surface Water Management Business Plan. The Business Plan serves as a strategic guide for future Stormwater Management program progression and funding analysis decisions. Guiding principles from this Business Plan have been used in developing the Stormwater Planning Program's AUIR/5-year Plan and Budget Process.

The ultimate goal of the Stormwater Management Project Planning Process is to move potential projects that are identified on a Comprehensive Stormwater Needs database to actual funding and construction within the County's AUIR/5-year Plan and annual budget process. Key to this process is the identification of projects for which Feasibility Studies will be preformed. Information from these Studies will then be used to finalize ranking of the projects for eventual approval and funding. The Feasibility Studies will also provide staff with better project cost estimates for preparing budget requests. Input from external stakeholders will also be used to recommend projects for the AUIR/5-year Plan.

Plan Elements:

➤ **Potential Project Database**

Staff has developed a Comprehensive Stormwater Needs database that contains all potential future stormwater improvement projects. Projects are provided from three main sources: customer complaint database, staff knowledge and Planning Studies. This database is periodically updated to reflect new information as projects are implemented and sources provide new potential projects.

➤ **Project Profiles**

Staff selects potential projects from the database to gather detailed information to develop Project Profiles. Project Profiles are based by first determining the Objective of the Project, Benefit Area and Preliminary Conceptual Cost. Once those three basic items are defined, staff can provide information regarding affected acreage and population, per parcel cost, per acre cost, per capita cost, and per \$1,000 of assessed value cost. A narrative explaining the objective, purpose and needs of the project is also provided in the Project Profile. As of 07/15/2014, staff has developed 15 draft project profiles.

➤ **Scoring Committee and Project Ranking Criteria**

A Stormwater Planning Process Committee has been established to review and score the Project Profiles. The seven (7) committee members, all county staff, come from different

departments such as Stormwater, Comprehensive and Floodplain Management Planning, Engineering, Road Maintenance, and Pollution Control. Scoring is based on four major aspects: Health and Safety, Project Feasibility, Project Support, and Environmental Benefits. As part of a "Test Drive" process, the Scoring Committee has ranked ten projects. The committee will have the opportunity re-score those 10 original projects based on subsequent meeting discussions and the addition of more projects into the ranking queue.

➤ **Feasibility Studies**

Top ranked Project Profiles will be selected for Feasibility Studies which will provide more detailed and secured information regarding the project's cost, life, and stages. Project Profiles will be updated with information from the feasibility studies. The Scoring Committee will re-score each project to advance to the AUIR/5-Year Plan as funds become available.

The Stormwater Management Planning Process is currently being implemented while still under development. As part of a "Test Drive" process, the Scoring Committee has ranked ten projects; some current and ongoing, and some conceptual projects. The ranking and evaluation process and input from the committee has been deemed extremely useful and valid. As such, ranking information is referenced and, to some degree, utilized in this current AUIR/5-year Plan. The process will be fully in effect by FY16.

Attachment "B"

SYSTEM INVENTORY AND GIS DATABASE REPORT

Objective

To maintain a complete and current inventory of all existing county maintained stormwater and surface water management system assets.

Purpose

To provide the Board of County Commissioners with an update on progress made to date with establishment of the Stormwater Management System Inventory GIS Database

Considerations:

For the past four years staff has been identifying existing stormwater management assets and sequentially building the stormwater management system geodatabase. The database currently includes 100% of the main canals and ditches and water level and flow control structures and 90% of the arterial roadway drainage infrastructure. Several hundred miles of collector and minor roadway swales, culverts and inlets are yet to be added to the dataset. They represent the majority of stormwater assets maintained on a day to day basis. All of the water control structures are field verified and have conditional ratings. Field verification is ongoing for the arterial roadway stormwater management infrastructure.

Current data collection is being coordinated with Operation and Maintenance staff (O&M) activities to the greatest extent possible. When data collection technicians log entrees associated to geodatabase objects in advance of a scheduled O&M activity, subsequent O&M activity entrees can then be associated to geodatabase objects. In this way, a work history for each asset is created that is now associated to geodatabase objects. Creating a work history for each asset can result in high level reporting such as required by the state for the County National Pollutant Discharge Elimination System Municipal Separate Storm Sewer System (NPDES MS4) Permit, Permit # FLR04E037. Some examples are pesticide sprayers accounting for chemical usage including location and acreage and sediment removal tied to asset type (inlet, culvert, swale).

Other information being collected and added to the database includes information collected during the right of way permitting process, roadside assets in neighborhoods, roadside improvements completed as part of a neighborhood stormwater improvements, remedial work or existing condition assessments (surveys), roadway outfalls to canals or tidal waters, secondary county roadway swales, culverts, inlets and manholes including all Golden Gate Estates roads and the urban county roads, and outfalls from private developments discharging into the county maintained system.

The existing Stormwater Management System Inventory GIS Database is substantial, functioning, and has become an important tool used daily by O&M staff as well as Stormwater Planning staff. All the data, maps and asset tables produced for this AUIR were generated using the database. The database is being used to capture information that is essential for mandated reporting to the state as part of the County's NPDES MS4 Permit requirements, as well as reporting for the County's participation in the National Flood Insurance Program Community Rating System (NFIP CRS). The effort to complete the database is ongoing and will continue for several more years. Updates will continue perpetually.

Attachment "C"

Table 2 - Current Collier County Canal System

Canal ID	Facility Name	Length (Miles)	Design Peak Flow	Condition Rating
ARN-01-C0005	Four Seasons Perimeter Ditch	0.386	-	Good
ARN-01-C0015	Four Seasons Perimeter Ditch	0.521	-	Good
ARN-01-C0025	Four Seasons Perimeter Ditch	0.679	-	Good
ARN-02-C0005	Four Seasons Perimeter Ditch	0.035	-	Good
ARN-02-C0015	Four Seasons Perimeter Ditch	0.002	-	Good
ARN-02-C0025	Four Seasons Perimeter Ditch	0.187	-	Good
ARN-02-C0035	Four Seasons Perimeter Ditch	0.015	-	Good
ARN-02-C0035	Four Seasons Perimeter Ditch	1.012	-	Good
ARN-03-C0005	Four Seasons Lateral Ditches	0.051	-	Good
ARN-04-C0005	Four Seasons Lateral Ditches	0.055	-	Good
ARN-05-C0005	Four Seasons Lateral Ditches	0.048	-	Good
ARN-06-C0005	Four Seasons Lateral Ditches	0.054	-	Good
ARN-06-C0015	Four Seasons Lateral Ditches	0.054	-	Good
ARN-07-C0005	Four Seasons Lateral Ditches	0.053	-	Good
ARN-07-C0015	Four Seasons Lateral Ditches	0.057	-	Good
ARN-08-C0015	Four Seasons Lateral Ditches	0.057	-	Good
ARN-09-C0005	Four Seasons Lateral Ditches	0.053	-	Good
ARN-09-C0015	Four Seasons Lateral Ditches	0.018	-	Good
ARN-09-C0035	Four Seasons Lateral Ditches	0.022	-	Good
ARN-09-C0045	Four Seasons Lateral Ditches	0.048	-	Good
ARN-10-C0005	Four Seasons Lateral Ditches	0.053	-	Good
ARN-10-C0015	Four Seasons Lateral Ditches	0.046	-	Good
ARN-10-C0035	Four Seasons Lateral Ditches	0.041	-	Good
ARN-10-C0045	Four Seasons Lateral Ditches	0.02	-	Good
ARN-11-C0005	Four Seasons Lateral Ditches	0.049	-	Good
ARN-11-C0015	Four Seasons Lateral Ditches	0.022	-	Good
ARN-12-C0005	Four Seasons Lateral Ditches	0.052	-	Good
ARN-12-C0015	Four Seasons Lateral Ditches	0.024	-	Good
ARN-13-C0005	Four Seasons Lateral Ditches	0.049	-	Good
ARN-13-C0015	Four Seasons Lateral Ditches	0.052	-	Good
ARN-14-C0015	Four Seasons Lateral Ditches	0.018	-	Good
ARN-15-C0005	Four Seasons Lateral Ditches	0.052	-	Good
ARN-16-C0005	Four Seasons Lateral Ditches	0.051	-	Good
ARN-16-C0015	Four Seasons Lateral Ditches	0.024	-	Good
ARN-17-C0005	Four Seasons Lateral Ditches	0.05	-	Good
ARN-17-C0015	Four Seasons Lateral Ditches	0.024	-	Good
ARN-18-C0005	Four Seasons Lateral Ditches	0.052	-	Good
ARN-18-C0015	Four Seasons Lateral Ditches	0.017	-	Good
ARN-20-C0005	Four Seasons Lateral Ditches	0.057	-	Good
ARN-21-C0005	Four Seasons Lateral Ditches	0.05	-	Good
ARN-21-C0015	Four Seasons Lateral Ditches	0.053	-	Good
ARN-22-C0005	Four Seasons Lateral Ditches	0.039	-	Good
ARN-22-C0015	Four Seasons Lateral Ditches	0.038	-	Good
BRC-00-C0300-1	SR 29 Canal (Barron River)	0.019	-	NA
BRN-00-C0005-1	Barron River North Canal	0.019	-	NA
BRN-00-C0055	Barron River North Canal	0.723	-	NA
BRN-00-C0105	Barron River North Canal	0.311	-	NA
BRN-00-C0115	Barron River North Canal	0.42	-	NA
BRN-01-C0015	Immokalee Airport Perimeter Canal	0.734	-	Good
BRN-01-C0025	Immokalee Airport Perimeter Canal	0.149	-	Good
BRN-01-C0035	Immokalee Airport Perimeter Canal	2.678	-	Good
BRN-02-C0005	Immokalee Airport Perimeter Canal	1.37	-	Good
BRN-04-C0005	BRN-04-C0005 (Internal Airport Ditches)	0.223	-	TBD
BRN-04-C0005	BRN-04-C0005 (Internal Airport Ditches)	0.02	-	TBD
BRN-05-C0005	BRN-05-C0005 (Internal Airport Ditches)	0.136	-	TBD
C4C-00-C0045	Eagle Creek Canal	0.156	-	Fair
C4C-01-C0005	Wing South (Privately - Not Maintained)	1.449	-	NA
C4C-02-C0005	Skyway Drive (Privately - Not Maintained)	0.367	-	NA
C4C-02-C0015	Skyway Drive (Privately - Not Maintained)	0.031	-	NA
C4C-02-C0025	Skyway Drive (Privately - Not Maintained)	0.318	-	NA
CCB-01-C0025	Twin Eagles Ditch	1.11	-	Fair

CCB-01-C0035	Twin Eagles Ditch	0.118	-	Fair
CCB-01-C0045	Twin Eagles Ditch	0.873	-	Fair
CCB-02-C0005	Twin Eagles Ditch	1.02	-	Fair
CCB-03-C0005	Twin Eagles Ditch	0.373	-	Fair
CCB-05-C0025	Corkscrew Sanctuary Ditch	0.073	-	Fair
CCB-07-C0005	Corkscrew Sanctuary Ditch	1.036	-	Fair
CRB-05-C0005	Encore Way Outfall	0.228	-	Good
CRB-05-C0015	CRB-05-C0015 (Roadside)	0.016	-	NA
CRB-05-C0025	CRB-05-C0025 (Roadside)	0.012	-	NA
CRB-05-C0045	CRB-05-C0045 (Roadside)	0.02	-	NA
CRB-05-S0035	CRB-05-S0035 (Roadside)	0.004	-	NA
CRB-06-C0015	Encore Way Outfall	0.099	-	Good
CSB-04-C0005	CSB-04-C0005	0.403	-	Poor
CSB-05-C0045	Corkscrew Slough	0.763	-	Good
D1C-00-C0005	Lambert Canal	0.115	-	Fair
D1C-00-C0015	Lambert Canal	0.011	-	Fair
D1C-00-C0025	Lambert Canal	0.015	-	Fair
D1C-00-C0035	Harvey Canal	0.848	-	Fair
D1C-00-C0045	Harvey Canal	2.163	-	Fair
D1C-00-C0055	Harvey Canal	0.003	-	Fair
D1C-01-C0005	D1C-01-C0005 (Roadside)	0.005	-	NA
D1C-01-C0015	D1C-01-C0015 (Roadside)	0.021	-	NA
D1C-01-C0025	D1C-01-C0025 (Roadside)	0.893	-	NA
D2C-01-C0005	Napa Ditch	0.132	-	Fair
D2C-01-C0035	D2C-01-C0035 (Roadside)	0.198	-	NA
D2C-02-C0005	Oaks/ Vanderbilt Canal	0.083	-	Good
D2C-02-C0015	Oaks/ Vanderbilt Canal	0.895	-	Good
D2C-03-C0005	Wyndemere south outfall	0.798	-	Good
D2C-04-C0005	Livingston Woods Outfall	0.918	-	Good
D2C-06-C0005	Oaks/ Vanderbilt Canal	1.372	-	Good
D2C-06-C0025	Oaks/ Vanderbilt Canal	0.243	-	Good
D2C-06-C0035	Oaks/ Vanderbilt Canal	0.303	-	Good
D2C-07-C0035	D2C-07-C0035 (Roadside)	0.909	-	NA
D2C-08-C0005	D2C-08-C0005 (Roadside)	0.227	-	NA
D2C-08-C0005	D2C-08-C0005 (Roadside)	0.005	-	NA
D2C-08-C0015	D2C-08-C0015 (Roadside)	0.245	-	NA
D2C-08-C0025	D2C-08-C0025 (Roadside)	0.227	-	NA
D2C-08-C0035	D2C-08-C0035 (Roadside)	0.102	-	NA
D2C-08-C0045	D2C-08-C0045 (Roadside)	0.076	-	NA
D2C-09-C0005	D2C-09-C0005 (Roadside)	0.013	-	NA
Davis	Davis (Roadside)	0.059	-	NA
Davis	Davis (Roadside)	0.049	-	NA
EBC-00-C0005	Coco East Outfall	0.002	-	Good
EMC-02-C0025	Desoto Ditch	1.06	-	Good
EMC-02-C0035	Desoto Ditch	0.987	-	Good
FKC-04-C0005	Desoto Ditch	0.81	-	Good
FKC-04-C0015	Desoto Ditch	0.215	-	Good
GCB-00-C0035	Sunrise Canal	0.733	-	Fair
GCB-01-C0005	Neptune Canal	0.593	-	Fair
GCB-02-C0005	Hunter Canal	0.557	-	Fair
GCB-02-C0015	Hunter Canal	0.344	-	Fair
GCB-03-C0005	Tahiti Canal	0.193	-	Fair
GCB-04-C0005	Lucerne Canal	0.211	-	Fair
GCB-05-C0005	Sunset Canal	0.184	-	Fair
GCB-06-C0005	Sunshine Canal	0.367	-	Fair
GCB-06-C0015	Sunshine Canal	0.384	-	Fair
GCB-07-C0005	Serenade Canal	0.12	-	Fair
GRE-00-C0013	Gordon River	0.003	-	Good
GRE-00-C0015	Gordon River	0.163	-	Good
GRE-00-C0015	Gordon River	0.447	-	Good
GRE-00-C0015	Gordon River	0.995	-	Good
GRE-00-C0025	Forest Lakes West Side	0.302	-	Good
GRE-00-C0025	Forest Lakes West Side	0.063	-	Good
GRE-00-C0025	Forest Lakes West Side	0.678	-	Good
GRE-00-C0025	Forest Lakes West Side	0.038	-	Good
GRE-01-C0015	GRE-01-C0015	0.022	-	Good
GRE-01-C0025	Goodlette Rd. Pine Ridge to GG Blvd.	0.049	-	Good

GRE-01-C0035	Goodlette Rd. Pine Ridge to GG Blvd.	0.061	-	Good
GRE-01-C0045	Goodlette Rd. Pine Ridge to GG Blvd.	0.072	-	Good
GRE-01-C0055	Goodlette Rd. Pine Ridge to GG Blvd.	0.199	-	Good
GRE-01-C0065	Goodlette Rd. Pine Ridge to GG Blvd.	0.298	-	Good
GRE-01-C0075	Goodlette Rd. Pine Ridge to GG Blvd.	0.134	-	Good
GRE-01-C0085	Goodlette Rd. Pine Ridge to GG Blvd.	0.263	-	Good
GRE-01-C0095	Goodlette Rd. Pine Ridge to GG Blvd.	0.429	-	Good
GRE-01-C0105	Goodlette Rd. Pine Ridge to GG Blvd.	0.061	-	Good
GRE-01-C0105	Goodlette Rd. Pine Ridge to GG Blvd.	0.452	-	Good
GRE-01-C0115	Goodlette Rd. Pine Ridge to GG Blvd.	0.266	-	Good
GRE-01-C0125	Goodlette Rd. Pine Ridge to GG Blvd.	0.006	-	Good
GRE-01-C0135	Goodlette Rd. Pine Ridge to GG Blvd.	0.112	-	Good
GRE-03-C0005	Wilderness Ditch	0.406	-	Good
GRE-04-C0005	Poinciana Village (Estuary Canal)	0.251	-	Good
GRE-04-C0015	Poinciana Village (Coach House Lane)	0.26	-	Good
GRE-04-C0025	Poinciana Village	0.976	-	Fair
GRE-05-C0005	Poinciana Village	0.645	-	Fair
GRE-07-C0005	GRE-07-C0005 (Burning Tree)	0.182	-	Good
GRE-08-C0005	Forest Lakes South Side	0.392	-	Fair
GRE-08-C0005	Forest Lakes South Side	0.082	-	Fair
GRE-51-C0005	Baily Lane Ditch	0.121	-	Fair
GRE-52-C0005	Baily Lane Ditch	0.036	-	Fair
GTB-05-C0005	Manorca Street Swale	0.05	-	Good
GTB-05-C0005	GTB-05-C00065	0.1	-	Fair
GTB-05-C0015	Manorca Street Swale	0.029	-	Good
GTB-14-C0005	Village Plaza Ditch	0.109	-	Good
HCB-00-C0005	Haldeman Creek	0.563	-	Good
HCB-00-C0015	Haldeman Creek	0.039	-	Good
HCB-00-C0025	Haldeman Creek	0.017	-	Good
HCB-00-C0035	Haldeman Creek	0.05	-	Good
HCB-00-C0045	Haldeman Creek	0.209	-	Good
HCB-00-C0115	Haldeman Creek	0.287	-	Good
HCB-00-C0125	Haldeman Creek	0.121	-	Good
HCB-01-C0005	Lake Kelly Outfall	0.567	-	Good
HCB-02-C0005	Sugden Park (Lake Avalon) Parks & Rec Maintained	0.026	-	TBD
HCB-02-C0045	United Telephone Ditch	0.044	-	Good
HCB-03-C0005	Lake Kelly Outfall	0.334	-	Good
HCB-07-C0005	Guilford Rd.	0.426	-	NA
HCB-08-C0005	Guilford Rd.	0.301	-	NA
HCB-09-C0055	HCB-09-C0055 Rich King Trail - Parks & Rec Maintained	0.247	-	TBD
HEC-04-C0025	HEC-04-C0025 FDOT Maint	0.373	-	NA
HEC-07-C0005	Roost Rd	0.175	-	Fair
HEC-07-C0015	Roost Rd	0.321	-	Fair
HEC-07-C0025	Roost Rd	0.316	-	Fair
HEC-07-C0035	Roost Rd	0.091	-	Fair
HEC-07-C0045	Roost Rd	0.149	-	Fair
IDO-00-C0025	Palm River Eastwood Ditched	0.215	-	Good
IDO-00-C0035	Palm River Eastwood Ditched	0.025	-	Good
IDO-00-C0045	Palm River Eastwood Ditched	0.028	-	Good
IWO-00-C0005	Imperial/FPL Ditch	0.006	-	Good
IWO-00-C0015	Imperial/FPL Ditch	0.037	-	Good
IWO-01-C0005	Imperial/FPL Ditch	0.246	-	Good
LCB-00-C0025	Lely Main Canal North-South	0.335	-	Fair
LCB-00-C0035	Lely Main Canal East-West	0.11	-	Fair
LCB-00-C0041	Lely Main Canal East-West	0.005	-	Fair
LCB-00-C0045	Lely Main Canal East-West	0.11	-	Fair
LCB-00-C0055	Lely Main Canal East-West	0.308	-	Fair
LCB-00-C0065	Lely Main Canal East-West	0.341	-	Fair
LCB-00-C0073	Naples Mobile Estates Ditch	0.019	-	Good
LCB-00-C0155	Santa Barbara Ext Canal	0.115	-	Good
LCB-00-C0165	Santa Barbara Ext Canal	0.133	-	Good
LCB-00-C0175	Santa Barbara Ext Canal	0.106	-	Good
LCB-00-C0175	Santa Barbara Ext Canal	0.008	-	Good
LCB-00-C0185	Santa Barbara Ext Canal	0.22	-	Good
LCB-01-C0005	Lely Main Canal North-South	0.078	-	Fair
LCB-01-C0015	Riviera Powerline Canal	0.358	-	Good
LCB-01-C0025	Riviera Powerline Canal	0.626	-	Good

LCB-01-C0035	Riviera Golf Estates Ditch	0.048	-	Good
LCB-01-C0085	Davis Blvd. ditch	0.096	-	Good
LCB-01-C0095	Davis Blvd. ditch	0.378	-	Good
LCB-01-C0105	Davis Blvd. ditch	0.493	-	Good
LCB-01-C0115	Davis Blvd. ditch	0.117	-	Good
LCB-01-C0125	Davis Blvd. ditch	0.036	-	Good
LCB-01-C0135	Davis Blvd. ditch	0.023	-	Good
LCB-01-C0145	Davis Blvd. ditch	0.018	-	Good
LCB-01-C0155	Davis Blvd. ditch	0.167	-	Good
LCB-01-C0159	Davis Blvd. ditch	0.009	-	Good
LCB-01-C0165	Davis Blvd. ditch	0.099	-	Good
LCB-02-C0005	Hawaii Blvd Ditches	0.059	-	Good
LCB-02-C0015	Hawaii Blvd Ditches	0.031	-	Good
LCB-02-C0025	Boca Ciega Ditch	0.491	-	Good
LCB-03-C0005	Boca Ciega Ditch	0.056	-	Good
LCB-04-C0005	Saint Peters Swales	0.218	-	Good
LCB-05-C0005	Hawaii Blvd Ditches	0.189	-	Good
LCB-06-C0005	Queens Park North	0.051	-	Good
LCB-07-C0005	Hawaii Blvd Ditches	0.177	-	Good
LCB-08-C0005	Colony Pines Ditch	0.177	-	Good
LCB-10-C0005	Riviera Golf Estates Ditch	0.938	-	Good
LCB-10-C0015	County Barn Rd	0.02	-	Good
LCB-10-C0025	County Barn Rd	0.091	-	Good
LCB-10-C0035	County Barn Rd	0.083	-	Good
LCB-10-C0045	County Barn Rd	0.085	-	Good
LCB-10-C0055	County Barn Rd	0.038	-	Good
LCB-10-C0065	County Barn Rd	0.02	-	Good
LCB-10-C0075	County Barn Rd	0.12	-	Good
LCB-10-C0085	County Barn Rd	0.066	-	Good
LCB-10-C0091	County Barn Rd	0.042	-	Good
LCB-10-C0095	County Barn Rd	0.014	-	Good
LCB-10-C0105	County Barn Rd	0.102	-	Good
LCB-10-C0115	County Barn Rd	0.005	-	Good
LCB-10-C0125	County Barn Rd	0.08	-	Good
LCB-10-C0135	County Barn Rd	0.083	-	Good
LCB-10-C0145	County Barn Rd	0.045	-	Good
LCB-10-C0155	County Barn Rd	0.105	-	Good
LCB-11-C0005	Naples Mobile Estates Ditch	0.71	-	Good
LCB-12-C0015	Lely Canal Branch	0.25	-	Good
LCB-13-C0005	Lely Main Canal East-West	0.059	-	Fair
LCB-13-C0015	Lake Lenore Ditch	0.365	-	Good
LCB-15-C0005	Naples Mobile Estates Ditch	0.005	-	Good
LCB-15-C0015	Naples Mobile Estates Ditch	0.003	-	Good
LCB-17-C0005	Lely Main Canal North-South	0.02	-	Fair
LCB-19-C0005	LCB-19-C0005	0.107	-	Good
LCB-19-C0015	LCB-19-C0015	0.019	-	Good
LCB-20-C0005	LCB-20-C0005	0.004	-	Good
LCB-20-C0015	LCB-20-C0015	0.007	-	Good
LMB-00-C0005	Lely Manor Outfall South Section	0.73	-	Fair
LMB-00-C0009	Lely Manor Outfall South Section	0.037	-	Fair
LMB-00-C0025	Lely Manor Outfall Canal	0.823	-	Fair
LMB-00-C0035	Naples Manor North Canal	0.1	-	Good
LMB-00-C0045	Naples Manor North Canal	0.349	-	Good
LMB-00-C0065	Naples Manor North Canal	0.046	-	Good
LMB-00-C0075	Naples Manor North Canal	0.012	-	Good
LMB-00-C0075	Naples Manor North Canal	0.074	-	Good
LMB-00-C0095	Naples Manor North Canal	0.588	-	Good
LMB-00-C0105	Naples Manor North Canal	0.128	-	Good
LMB-01-C0005	Myrtle Cove West	0.472	-	Good
LMB-01-C0015	Myrtle Cove West	0.06	-	Good
LMB-01-C0025	Naples Manor Perimeter Ditch	0.394	-	Fair
LMB-01-C0035	Naples Manor Perimeter Ditch	0.02	-	Fair
LMB-01-C0045	Naples Manor Perimeter Ditch	0.277	-	Fair
LMB-03-C0005	Myrtle Cove East	0.477	-	Good
LMB-03-C0007	Naples Manor Ditches	0.05	-	Fair
LMB-03-C0013	Naples Manor Ditches	0.002	-	Fair
LMB-03-C0025	Naples Manor Ditches	0.035	-	Fair

LMB-03-C0035	Naples Manor Ditches	0.233	-	Fair
LMB-03-C0045	Naples Manor Ditches	0.141	-	Fair
LMB-03-C0055	Naples Manor Ditches	0.043	-	Fair
LMB-04-C0005	Lely Manor Canal	0.007	-	Fair
LMB-04-C0015	Lely Manor Canal	0.046	-	Fair
LMB-04-C0025	Lely Manor Canal	0.076	-	Fair
LMB-04-C0035	Lely Manor Canal	0.057	-	Fair
LMB-04-C0045	Lely Manor Canal	0.008	-	Fair
LMB-04-C0055	Lely Manor Canal	0.009	-	Fair
LMB-04-C0065	Lely Manor Canal	0.015	-	Fair
LMB-05-C0005	Naples Manor Ditches	0.012	-	Fair
LMB-05-C0015	Naples Manor Ditches	0.012	-	Fair
LMB-05-C0025	Naples Manor Ditches	0.075	-	Fair
LMB-05-C0035	Naples Manor Ditches	0.063	-	Fair
LMB-05-C0045	Naples Manor Ditches	0.046	-	Fair
LMB-05-C0055	Naples Manor Ditches	0.152	-	Fair
LMB-05-C0065	Naples Manor Ditches	0.233	-	Fair
LMB-05-C0075	Naples Manor Ditches	0.265	-	Fair
LMB-06-C0005	Lely Manor Canal	0.069	-	Fair
LMB-06-C0011	Lely Manor Canal	0.152	-	Fair
LMB-06-C0015	Lely Manor Canal	0.231	-	Fair
LMB-06-C0025	Lely Manor Canal	0.26	-	Fair
LMB-07-C0025	Treviso Canal East	0.858	-	Fair
LMB-07-C0035	Treviso Canal West	0.498	-	Fair
LMB-07-C0045	Naples Manor Ditches	0.049	-	Fair
LMB-07-C0055	Naples Manor Ditches	0.152	-	Fair
LMB-07-C0065	Naples Manor Ditches	0.083	-	Fair
LMB-07-C0075	Naples Manor Ditches	0.144	-	Fair
LMB-08-C0015	Lely Manor Canal	0.031	-	Fair
LMB-08-C0025	Lely Manor Canal	0.032	-	Fair
LMB-08-C0035	Lely Manor Canal	0.024	-	Fair
LMB-08-C0045	Lely Manor Canal	0.088	-	Fair
LMB-09-C0015	Lely Manor Canal	0.073	-	Fair
LMB-09-C0025	Lely Manor Canal	0.124	-	Fair
LMB-09-C0035	Lely Manor Canal	0.01	-	Fair
LMB-10-C0005	Lely Manor Canal	0.039	-	Fair
LMB-10-C0015	Lely Manor Canal	0.058	-	Fair
LMB-10-C0025	Naples Manor Perimeter Ditch	0.127	-	Fair
LMB-11-C0005	Lely Manor Canal	0.229	-	Fair
LMB-11-C0015	Saint Andrews Daycare Ditch	0.034	-	Good
LMB-13-C0005	Lely Manor Canal	0.006	-	Fair
LMB-13-C0015	Naples Manor Ditches	0.004	-	Fair
LMB-13-C0025	Naples Manor Ditches	0.018	-	Fair
LMB-13-C0035	Naples Manor Ditches	0.13	-	Fair
LMB-13-C0045	Naples Manor Ditches	0.069	-	Fair
LMB-14-C0005	Four Fountains Ditch	0.088	-	Fair
LMB-15-C0005	Lely Manor Canal	0.159	-	Fair
MCB-07-C0005	MCB-07-C0005 (Not Maintained)	0.489	-	NA
MCB-07-C0015	MCB-07-C0015	0.262	-	Good
MCB-09-C0015	MCB-09-C0015 (Not Maintained)	0.007	-	NA
MCB-09-C0025	MCB-09-C0025 (Not Maintained)	0.028	-	NA
MCB-09-C0035	MCB-09-C0035 (State Maintenance)	0.224	-	NA
MCB-09-C0045	MCB-09-C0045 (State Maintenance)	0.194	-	NA
MCB-10-C0005	MCB-10-C0005 (State Maintenance)	0.139	-	NA
MCB-10-C0015	MCB-10-C0015 (State Maintenance)	0.582	-	NA
MCB-11-C0015	MCB-11-C0015 (Not Maintained)	0.002	-	NA
MCB-12-C0005	Trail Acres	0.394	-	Good
MCB-12-C0015	Trail Acres	0.339	-	Good
MCB-15-C0005	Lake Park Rd	0.118	-	Fair
MCB-15-C0005	Lake Park Rd	0.026	-	Fair
MCB-15-C0015	Lake Park Rd	0.056	-	Fair
MCB-15-C0025	Lake Park Rd	0.057	-	Fair
MCB-15-C0035	Lake Park Rd	0.063	-	Fair
MCB-15-C0045	Lake Park Rd	0.022	-	Fair
MCB-17-C0015	MCB-17-C0015	0.121	-	Fair
MCB-17-C0035	MCB-17-C0035	0.085	-	Fair
MGG-01-C0005	Sunflower Canal	0.303	-	Fair

MGG-02-C0005	Shell Canal	0.031	-	Fair
MGG-02-C0015	Shell Canal	0.195	-	Fair
MGG-02-C0019	Shell Canal	0.14	-	Fair
MGG-02-C0025	Tropicana Canal	0.009	-	Fair
MGG-02-C0035	Tropicana Canal	0.999	-	Fair
MGG-03-C0005	Sunfish Canal	0.308	-	Fair
MGG-04-C0015	Santa Barbara Canal	0.187	-	Fair
MGG-04-C0025	Coronado Canal	0.097	-	Fair
MGG-04-C0025	Coronado Canal	0.476	-	Fair
MGG-04-C0035	Coronado Canal	0.007	-	Fair
MGG-04-C0045	Coronado Canal	0.484	-	Fair
MGG-05-C0005	Ibis Canal	0.199	-	Fair
MGG-06-C0005	Coronado Canal	0.129	-	Fair
MGG-09-C0005	C-2 North/South canal	0.129	-	Fair
MGG-09-C0015	C-2 North/South canal	0.123	-	Fair
MGG-09-C0025	C-2 North/South canal	0.903	-	Fair
MGG-09-C0035	C-2 North/South canal	0.742	-	Fair
MGG-10-C0005	C-2 East/West Canal	0.122	-	Fair
MGG-10-C0015	C-2 East/West Canal	0.238	-	Fair
MGG-10-C0025	C-2 East/West Canal	0.24	-	Fair
MGG-10-C0035	C-2 East/West Canal	0.238	-	Fair
MGG-10-C0045	C-2 East/West Canal	1.22	-	Fair
MGG-12-C0005	Fairgrounds Canal	1.622	-	Good
MGG-12-C0015	Fairgrounds Canal	0.237	-	Good
MGG-12-C0025	Fairgrounds Canal	0.061	-	Good
MGG-12-C0035	Fairgrounds Canal	0.058	-	Good
MGG-15-C0015	MGG-15-C0015	0.16	-	Good
MGG-15-C0025	MGG-15-C0025	0.004	-	Good
MGG-15-C0045	Palm Springs Outfall	0.495	-	Good
MGG-16-C0035	Radio Rd outfall	0.043	-	Good
MGG-16-C0045	Radio Rd outfall	0.557	-	Good
MGG-17-C0015	Coconut Outfall Swale	0.203	-	Good
MGG-18-C0005	Transfere Station Ditch	0.298	-	Fair
MGG-18-C0025	Transfere Station Ditch	0.126	-	Fair
MGG-18-C0035	Transfere Station Ditch	0.285	-	Fair
MGG-18-C0045	Transfere Station Ditch	0.009	-	Fair
MGG-19-C0005	Bolt Canal	0.671	-	Good
MGG-19-C0015	Bolt Canal	0.729	-	Good
MGG-20-C0005	Bolt Canal	0.186	-	Good
MGG-20-C0015	Bolt Canal	0.061	-	Good
MGG-20-C0015	MGG-20-C0015	0.028	-	Good
MGG-20-C0025	Bolt Canal	0.388	-	Good
MGG-20-C0035	Bolt Canal	0.071	-	Good
OSB-01-C0015	County Line Rd Canal	0.991	-	Good
OSB-01-C0025	County Line Rd Canal	1.179	-	Good
OSB-01-C0035	County Line Rd Canal	0.713	-	Good
OSB-01-C0045	County Line Rd Canal	1.003	-	Good
OSB-01-C0055	County Line Rd Canal	0.935	-	Good
OSB-01-C0065	County Line Rd Canal	0.962	-	Good
OSB-01-C0075	County Line Rd Canal	0.98	-	Good
OSB-01-C0085	County Line Rd Canal	0.838	-	Good
PLM-00-C0015	Palm River Canal	0.1	-	Good
PLM-00-C0025	Palm River Canal	0.55	-	Good
PLM-00-C0045	Palm River Raven Way Ditch	0.365	-	Good
PRC-00-C0005	Pine Ridge 1 Canal	0.399	-	Good
PRC-00-C0015	Pine Ridge 1 Canal	0.145	-	Good
PRC-00-C0025	Pine Ridge 1 Canal	0.015	-	Good
PRC-00-C0035	Pine Ridge 1 Canal	0.041	-	Good
PRC-00-C0105	Goodlette Rd. VBR to Pine Ridge	0.182	-	Good
PRC-00-C0115	Goodlette Rd. VBR to Pine Ridge	0.738	-	Good
PRC-00-C0125	Goodlette Rd. VBR to Pine Ridge	0.547	-	Good
PRC-01-C0015	Hickory Road Ditch	0.01	-	Good
PRC-01-C0025	Hickory Road Ditch	0.433	-	Good
PRC-02-C0005	Carica Road Ditch	0.089	-	Fair
PRC-02-C0015	Carica Road Ditch	0.004	-	Fair
PRC-02-C0025	Carica Road Ditch	0.163	-	Fair
PRC-02-C0035	Carica Road Ditch	0.065	-	Fair

PSB-00-C0005	Palm Street Outfall (Not Maintained)	0.104	-	NA
RCB-02-C0005	Gail/Hazel Ditches	0.025	-	Good
RCB-02-C0015	Gail/Hazel Ditches	0.245	-	Good
RCB-02-C0025	Gail/Hazel Ditches	0.263	-	Good
RCB-02-C0035	Gail/Hazel Ditches	0.099	-	Good
RCB-02-C0045	Gail/Hazel Ditches	0.118	-	Good
RCB-02-C0055	Gail/Hazel Ditches	0.013	-	Good
RCB-02-C0065	Gail/Hazel Ditches	0.023	-	Good
RCB-02-C0075	Gail/Hazel Ditches	0.177	-	Good
RCB-03-C0005	North Rd Ditch	0.183	-	Fair
RCB-03-C0005	North Rd Ditch	0.131	-	Fair
RCB-03-C0015	North Rd Ditch	0.223	-	Fair
RCB-03-C0025	North Rd Ditch	0.345	-	Fair
RCB-03-C0035	North Rd Ditch	0.027	-	Fair
RCB-04-C0005	RCB-04-C0005	0.306	-	Good
RCB-05-C0005	Estey/San Remo ditch	0.05	-	Good
RCB-05-C0015	Estey/San Remo ditch	0.183	-	Good
RCB-06-C0005	Flamingo/Bluebird ditch	0.249	-	Good
RCB-08-C0005	Lotus Swale	0.026	-	Good
S1S-00-C0055	Paradise Point Canal	0.478	-	Good
S1S-04-C0035	Manatee Canal	0.562	-	Good
S1S-05-C0005	S1S-05-C0005 (Not Maintained)	0.36	-	NA
SPO-01-C0005	Riggs Rd	1.023	-	Good
UIB-00-C0005	Immokalee Main Canal	0.722	-	Good
UIB-00-C0025	Immokalee Main Canal	0.203	-	Good
UIB-00-C0035	Immokalee Main Canal	0.63	-	Good
UIB-00-C0045	Immokalee Main Canal	1.152	-	Good
UIB-00-C0055	Immokalee Main Canal	0.587	-	Good
UIB-03-C0003	Urban Immokalee Canals (Roadside Swale)	0.35	-	NA
UIB-03-C0005	Urban Immokalee Canals (Not Maintained)	0.014	-	NA
UIB-03-C0015	Urban Immokalee Canals (Not Maintained)	0.149	-	NA
UIB-03-C0035	UIB-03-C0035 (Roadside Swale)	0.029	-	Fair
UIB-03-C0045	UIB-03-C0045 (Roadside Swale)	0.028	-	Fair
UIB-03-C0055	UIB-03-C0055 (Roadside Swale)	0.021	-	Fair
WBB-00-C0003	Wiggins Bay (Wetland/Saltwater)	0.373	-	NA
WBB-00-C0005	Wiggins Bay (Wetland/Saltwater)	0.565	-	NA
WBB-00-C0015	Tarpon Cove Canal	0.419	-	Good
WBB-00-C0025	Tarpon Cove Canal	0.262	-	Good
WBB-00-C0035	Old US41 Swales	0.091	-	Fair
WBB-00-C0045	Old US41 Swales	0.319	-	Fair
WBB-00-C0045	Old US41 Swales	0.04	-	Fair
WBB-00-C0055	Old US41 Swales	0.144	-	Fair
WBB-00-C0065	Old US41 Swales	0.279	-	Fair
WBB-00-C0075	Old US41 Swales	0.461	-	Fair
WBB-01-C0005	WBB-01-C0005 (Not Maintained)	0.279	-	NA
WBB-01-C0015	WBB-01-C0015 (Not Maintained)	0.014	-	NA
WBB-01-C0025	Weir	0.018	-	Good
WBC-00-C0021	Coco West Outfall	0.004	-	Good
WBC-00-C0025	Coco West Outfall	0.145	-	Good
WBC-00-C0075	North Naples Water Treatment	0.007	-	Fair
WBC-00-C0085	North Naples Water Treatment	0.252	-	Fair
WBC-00-C0095	North Naples Water Treatment	0.139	-	Fair
WBC-00-C0105	North Naples Water Treatment	0.066	-	Fair
WBC-00-C0115	Victoria Park Outfall West End	0.227	-	Good
WBC-01-C0005	West Branch Cocohatchee River	0.016	-	Fair
WPO-00-C0005	Haldemann Glades Outfall	0.005	-	Good
WPO-00-C0015	Haldemann Glades Outfall	0.283	-	Good
WPO-00-C0025	Haldemann Glades Outfall	0.196	-	Good

Table based on current Collier County GIS Database
Design peak flow to be determined

Table 3: Canal and Ditch Segments - Road Maintenance Condition Rating System

Overall Rating	Description	Application
Good	Flowing with minimal to no vegetative growth	Scheduled for inspection and to be sprayed as deemed necessary
Fair	Flowing with moderate vegetative growth	Scheduled for spraying in 3 months.
Poor	Potential to impede or block flow due to vegetative growth	Scheduled for spraying within 30 days.

** TBD -Current conditions not known at this time. Update upon next inspection.

** NA -Not applicable as conditions are maintained by other or the areas are not subject to maintenance such as wetlands or saltwater areas.

Table 4: Existing Collier County Stormwater Control Structures

	Structure ID	Facility Name	Conveyance Capacity	Overall Rating
1	ARN-02-S0110	Four Seasons Outfall	-	C2
2	ARN-02-S0120	Four Seasons	-	C2
3	C4C-00-S0110	Eagle Creek	-	C2
4	C4C-04-S0090	C4C-04-S0090 (fixed stage weir)	-	TBD
5	C4C-04-S0090	C4C-04-S0090 (spreader waterway)	-	TBD
6	D1C-00-S0120	Harvey #1	-	C2
7	D1C-00-S0150	Harvey #2	-	C1
8	D1C-01-S0102	VBR Weir	-	C1
9	D2C-08-S0110	Islandwalk Inflow	-	C1
10	EBC-00-S0110	Coco East	-	C2
11	GRE-00-S0100	Gordon River	-	C2
12	GRE-01-S0480	Goodlette Road Canal #1	-	C3
13	GRE-01-S0510	Goodlette Road Canal #2	-	C1
14	GRE-03-S0100	Freedom Park Overflow (Bypass) Weir	-	C1
15	GRE-04-S0110	Poinciana	-	TBD
16	GRE-36-S0100	FP Spreader Berm	-	TBD
17	GRE-36-S0120	FP Wetlands Weir	-	C1
18	GRE-36-S0240	FP Waterfall	-	TBD
19	GRE-39-S0100	West Lake Outfall	-	C1
20	GRE-41-S0130	Twin Lakes Outfall	-	C1
21	GRE-44-S0140	Sperling Lake Outfall	-	C1
22	GTB-00-S0100	Flap Gates	-	C2
23	GTB-01-S0090	Flap Gates	-	TBD
24	GTB-04-S0110	Gateway Triangle	-	C2
25	HCB-00-S0130	Haldeman Creek	-	TBD
26	HCB-00-S0200	Lakewood County Club Weir	-	C1
27	HCB-01-S0100	Lake Kelly	-	C1
28	HCB-02-S0106	Lake Avalon	-	C2
29	HEC-03-S0100	Henderson #2	-	C2
30	HEC-04-S0100	Henderson #4	-	TBD
31	HEC-05-S0100	Henderson #5	-	TBD
32	LCB-00-S0122	Lely Main	-	C1
33	LCB-00-S0150	Royal Wood	-	C1
34	LCB-00-S0190	Santa Barbara #1	-	C1
35	LCB-00-S0210	Santa Barbara #2	-	C1
36	LCB-00-S0230	Santa Barbara #3	-	C1
37	LCB-01-S0140	Crown Pointe	-	C2
38	LCB-15-S0100	Rattlesnake Rd. Weir	-	C1
39	LCB-20-S0230	Whitaker Rd Weir	-	TBD
40	LMB-00-S0100	LMB-00-S0100 (spreader waterway)	-	TBD
41	LMB-00-S0100	Manor South (fixed stage weir)	-	C1
42	LMB-00-S0120	Manor North	-	C1
43	LMB-00-S0150	Warren Street Weir	-	TBD
44	MGG-12-S0120	Fairgrounds	-	TBD
45	MGG-16-S0140	Radio Rd.	-	C1
46	MGG-19-S0020	Bolt Canal	-	TBD
47	NPS-00-S0110	Naples Park	-	C1
48	PLM-00-S0100	Palm River Weir	-	C2
49	PRC-00-S0110	Pine Ridge 1	-	C4
50	RCB-02-S0110	Hazel Rd. Weir	-	C2
51	RCB-04-S0110	Production Park South	-	C2
52	WBB-01-S0110	Wiggins Pass Weir	-	C2
53	WBC-00-S0110	Coco West	-	C2
54	WBC-04-S0130	Victoria Park West Outfall	-	TBD
55	WPO-00-S0100	Winter Park Weir	-	C2

Table based on current Collier County GIS Database
 Conveyance Capacity to be determined

Table 5: Control Structure Inspection Rating System

Overall Rating	Description for the Overall Structure	Application
C1	All old deficiencies noted from the previous inspection have been corrected.	Applied when no further action is recommended for the structure.
C2	Most old deficiencies noted from the previous inspection have been corrected.	Applied when the overall recommendation is to monitor minor deficiencies. Deficiencies will generally be re-evaluated at the next five-year inspection of the structure. Provide overall recommendation on when (timeframe) to monitor deficiencies previous to the next structure inspection cycle.
C3	Deficiencies and/or several old deficiencies noted in the last inspection have not been corrected.	Applied when the overall recommendation is to repair the structure during the next maintenance cycle or within 5 to 10 year capital repair schedule. Maintenance repairs are generally estimated to cost less than \$50,000; will not require engineering design.
C4	Serious deficiencies exist that if not immediately corrected may lead to or cause deterioration of the structure.	Applied when the overall recommendation is to elevate repairs to the County's five-year capital repair program. Includes repairs that are generally estimated to cost \$50,000 or more, will require engineering design, or should be repaired within a five-year period.
C5	Major deficiencies exist such that the structural integrity of the structure will probably not withstand a major flood event.	Applied when the overall recommendation is to elevate repairs to the County's capital repair program, but repairs should be conducted in the next cycle of repairs. Generally the next cycle of repairs would include repair design in the fiscal year following inspection with repair in the fiscal year following design (two-year process).
C5 Critical	Emergency deficiencies exist that must be addressed immediately. Deficiencies include those that impede operation of the structure or jeopardize public safety.	Applied when immediate repairs are recommended. Generally the County would respond by dispatching its Field Station personnel to triage the deficiency (e.g., block access to the structure, reduced structure operating capacity) until repairs could be affected. Responding County design engineers would be altered to fast track repairs if triage does not ameliorate the deficiencies.

**TBD: Current condition not known at this time. Update upon next inspection.

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COUNTY WATER - SEWER DISTRICT – POTABLE WATER SYSTEM

CONTENTS

- **DISTRICT POTABLE WATER SYSTEM FACILITIES – SUMMARY**
- **INTRODUCTION**
- **TREATMENT FACILITIES LEVEL OF SERVICE STANDARD (LOSS) ASSESSMENT FOR SERVICE AREA**
- **TREATMENT FACILITIES LEVEL OF SERVICE STANDARD (LOSS) FOR SERVICE AREA – CHART**
- **EXISTING AND FUTURE WATER SERVICE AREAS – MAP**
- **POTABLE WATER SYSTEM SCHEDULES OF CAPITAL IMPROVEMENTS**

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2014 AUIR FACILITY SUMMARY
POTABLE WATER SYSTEM FACILITIES

Facility Type: Collier County Water-Sewer District – Potable Water System Facilities

Level of Service Standard: 150 gallons per capita per day (gpcd) ⁽¹⁾

Capacity:

Constructed On-line Treatment Capacity, FY 15	52.75 MGD
Required Treatment Capacity, FY 15	32.10 MGD
Constructed On-line Treatment Capacity, FY 24	52.75 MGD
Required Treatment Capacity, FY 24	40.50 MGD

Expenditures FY15-FY19 ⁽²⁾

Expansion Related Projects	\$0
Replacement & Rehabilitation (R&R) Projects	\$76,450,000
Departmental Capital	\$2,869,500
Debt Service	\$47,628,000
Reserve for Contingencies - R&R Projects ⁽³⁾	<u>\$7,645,000</u>
TOTAL	\$134,592,500

Existing Revenue Sources FY15-19

Water System Development Fees / Impact Fees	\$28,600,000
Water Capital Account	\$2,869,500
Rate Revenue	<u>\$103,123,000</u>
TOTAL	\$134,592,500

Surplus or (Deficit) for Five Year Program \$0

Recommended Action:

That the BCC find the Collier County Water-Sewer District Potable Water System in compliance with concurrency requirements found in FS Section 163, the Collier County Comprehensive Plan and the Land Development Code; and that it approve the proposed 2014 CCWSD Potable Water System Facilities AUIR and adopt the CIE Update for FY 2014/15 -- FY 2018/19.

Conclusion: No new facility capacity is scheduled in the ten-year timeframe based on the Level of Service Standard, population projections and capacity as shown in the AUIR.

⁽¹⁾ Per 2014 Water, Wastewater and Irrigation Quality Water Master Plan Update

⁽²⁾ CIE consistent with Board approved: FY15 budget; 2014 Rate Study and CIP

⁽³⁾ As per Florida Statutes, contingency reserves are up to 10% of expenses

Collier County Government
Public Utilities Division
2014 ANNUAL UPDATE AND INVENTORY REPORT (AUIR)

COLLIER COUNTY WATER SEWER DISTRICT - POTABLE WATER SYSTEM

Introduction:

The Public Utilities Division's 2014 AUIR submittals are based on "Collier County Water & Sewer Districts Population Estimates and Projections" dated June 9, 2014, prepared by Collier County Comprehensive Planning Section. Populations are based on using Bureau of Economic and Business Research (BEBR) Medium Range growth rate through 2024. There are three notable changes from the 2013 Collier County Water-Sewer District (CCWSD) Potable Water System AUIR; the fourth note is a long range planning comment:

1. Concurrency is shown for 10 years rather than 20 years. This format provides greater consistency with the State mandated CIE, concurrency regulations and other Collier County Divisions' AUIR submittals.
2. The Level of Service Standard (LOSS) was adjusted from 170 gpcd to 150 gpcd, reflecting updated historical analysis contained in the draft 2014 Public Utilities Master Plan.
3. The Orange Tree Water Treatment Plant is anticipated to be integrated into the CCWSD in FY 2015.
4. Additional plant production capacity of 6 MGD will be needed by 2034; siting for new capacity should be established by 2026.

The 2014 potable water AUIR is presented as a snapshot of concurrency conditions. The CCWSD is in compliance with concurrency requirements for FY 2015 and FY 2016, as required by FS Section 163, the Collier County Comprehensive Plan and the Land Development Code

Recommendation:

The Public Utilities Division's staff recommends that the Collier County Board of County Commissioners approve the 2014 CCWSD Potable Water System AUIR.

Collier County Government
Public Utilities Division
2014 ANNUAL UPDATE AND INVENTORY REPORT (AUIR)

**POTABLE WATER SYSTEM - TREATMENT FACILITIES
LEVEL OF SERVICE STANDARDS (LOSS) ASSESSMENT FOR SERVICE AREA**

July 30, 2014

1	2	3	4	5	6	7	8	9
Fiscal Year	Population Served	Required Treatment Capacity @ 150 gpcd	Required Treatment Capacity Increase from Previous Year	Constructed Plant Capacity On-line	Additional Plant Capacity	Total Available Constructed Capacity	Retained/ (Deficit) Constructed System Capacity	Retained/ (Deficit) Constructed System Capacity Target Values
		MGD	MGD	MGD	MGD	MGD	MGD	MGD
2010	182,792	27.4		52.00		52.00	24.6	0.9 (Min) - 9.5 (Max)
2011	186,922	28.0	0.6	52.00		52.00	24.0	0.9 (Min) - 9.5 (Max)
2012	191,832	28.8	0.7	52.00		52.00	23.2	0.9 (Min) - 9.5 (Max)
2013	195,971	29.4	0.6	52.00		52.00	22.6	0.9 (Min) - 9.5 (Max)
2014	201,082	30.2	0.8	52.00		52.00	21.8	0.9 (Min) - 9.5 (Max)
2015	213,814	32.1	1.9	52.75		52.75	20.7	0.9 (Min) - 9.5 (Max)
2016	220,080	33.0	0.9	52.75		52.75	19.7	0.9 (Min) - 9.5 (Max)
2017	226,469	34.0	1.0	52.75		52.75	18.8	0.9 (Min) - 9.5 (Max)
2018	232,982	34.9	1.0	52.75		52.75	17.8	0.9 (Min) - 9.5 (Max)
2019	239,622	35.9	1.0	52.75		52.75	16.8	0.9 (Min) - 9.5 (Max)
2020	245,924	36.9	0.9	52.75		52.75	15.9	0.9 (Min) - 9.5 (Max)
2021	251,872	37.8	0.9	52.75		52.75	15.0	0.9 (Min) - 9.5 (Max)
2022	257,921	38.7	0.9	52.75		52.75	14.1	0.9 (Min) - 9.5 (Max)
2023	264,072	39.6	0.9	52.75		52.75	13.1	0.9 (Min) - 9.5 (Max)
2024	270,327	40.5	0.9	52.75		52.75	12.2	0.9 (Min) - 9.5 (Max)

Collier County Government
Public Utilities Division
2014 ANNUAL UPDATE AND INVENTORY REPORT (AUIR)

**POTABLE WATER SYSTEM - TREATMENT FACILITIES
LEVEL OF SERVICE STANDARDS (LOSS) ASSESSMENT FOR SERVICE AREA**

July 30, 2014

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

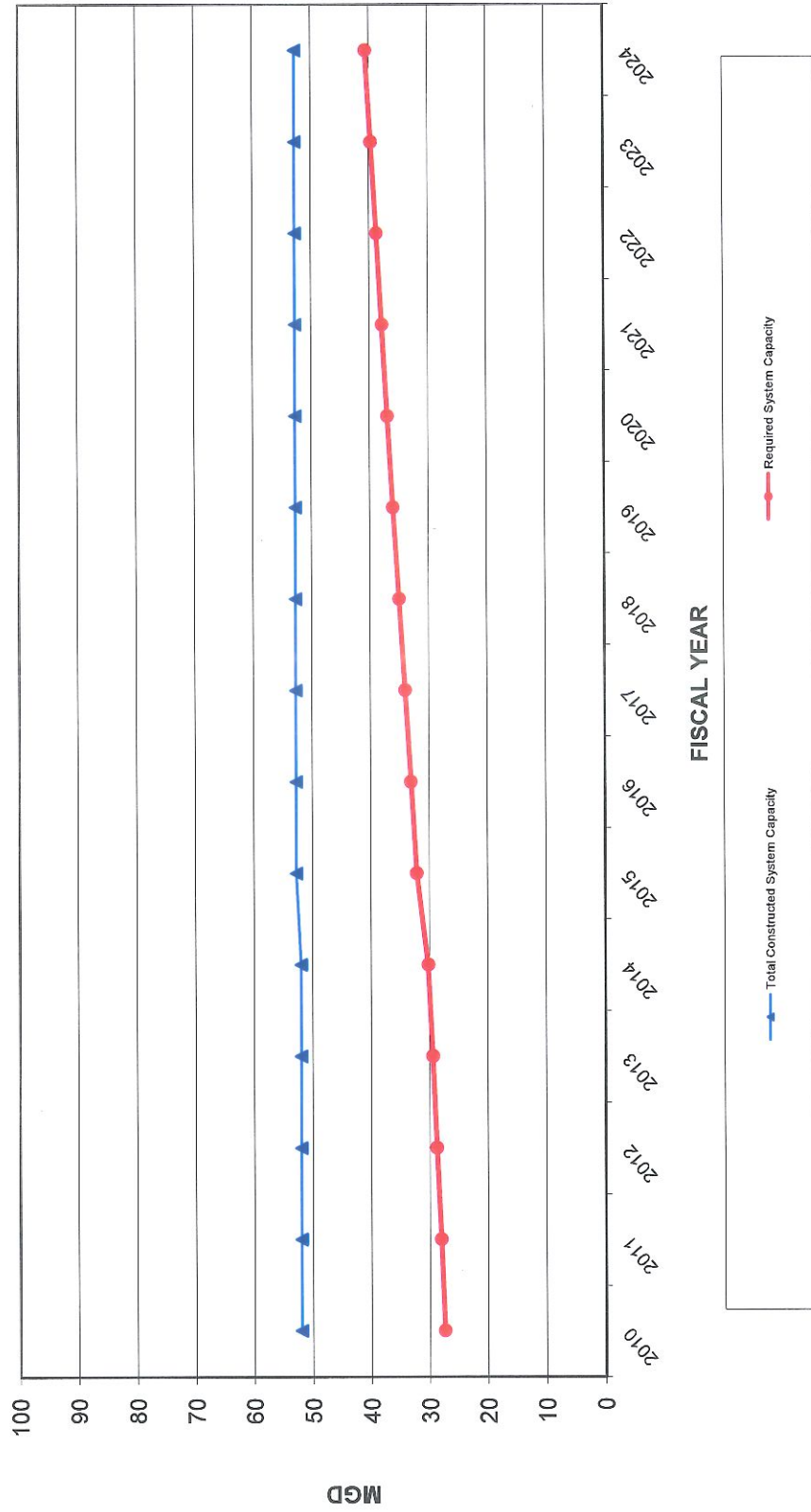
1. Fiscal Year starts October 1 and ends September 30.
2. Population Served. Estimates and projections for the served area are based on "Collier County Water & Sewer Districts Population Estimates and Projections" dated June 19, 2014, prepared by Collier County Comprehensive Planning Section. Populations are based on Bureau of Economic and Business Research (BEBR) Medium Range growth rate through 2024. The peak population projections include the Orange Tree service area beginning in FY 2015.
3. Required Treatment Capacity @ 150 gpcd is obtained by multiplying the Peak Population (Column 2) times 150 gallons per capita per day (gpcd). 150 gpcd is the established Level of Service Standard (LOSS) as adopted in the 2014 Water Master Plan Update approved by the Board of County Commissioners on September 9, 2014.
4. Required Treatment Capacity Increase from Previous Year is the increase of the Required Treatment Capacity @ 150 gpcd (Column 3) for the year listed from the previous year.
5. Constructed Plant Capacity On-line is the total finished water treatment capacity at the beginning of the Fiscal Year in Million Gallons per Day (MGD). All plant capacities are stated in Maximum Month Daily Demand (MMDD). Capacity in FY 2015 is increased by 0.75 mgd when Orange Tree Utilities is anticipated to be integrated into CCWSD.
6. Additional Plant Capacity schedule is as follows:

Fiscal year	New Plant Constructed Capacity	Description	Source of Information
		No new plant capacity is scheduled	

7. Total Available Constructed Capacity is total of Total Constructed Plant Capacity On-line (Column 5) plus Additional Plant Capacity (Column 6).
8. Retained/(Deficit) Constructed System Capacity is the difference between Total Constructed Plant Capacity (Column 7) and Required Treatment Capacity (Column 3).
9. Retained/(Deficit) Constructed System Capacity Target Values for planning purposes are 0.9 MGD minimum and 9.5 MGD maximum through FY 2024. The target minimum capacities represent the projected increase in the next year's demand and the target maximum capacities represent the projected increase in demand for the next eight years.

Collier County Government
 Public Utilities Division
2014 ANNUAL UPDATE AND INVENTORY REPORT (AUJR)
POTABLE WATER SYSTEM
 Level of Service Standard: 150 gpcdd

July 30, 2014



Existing and Future Water Service Areas 2014 Water AUIR

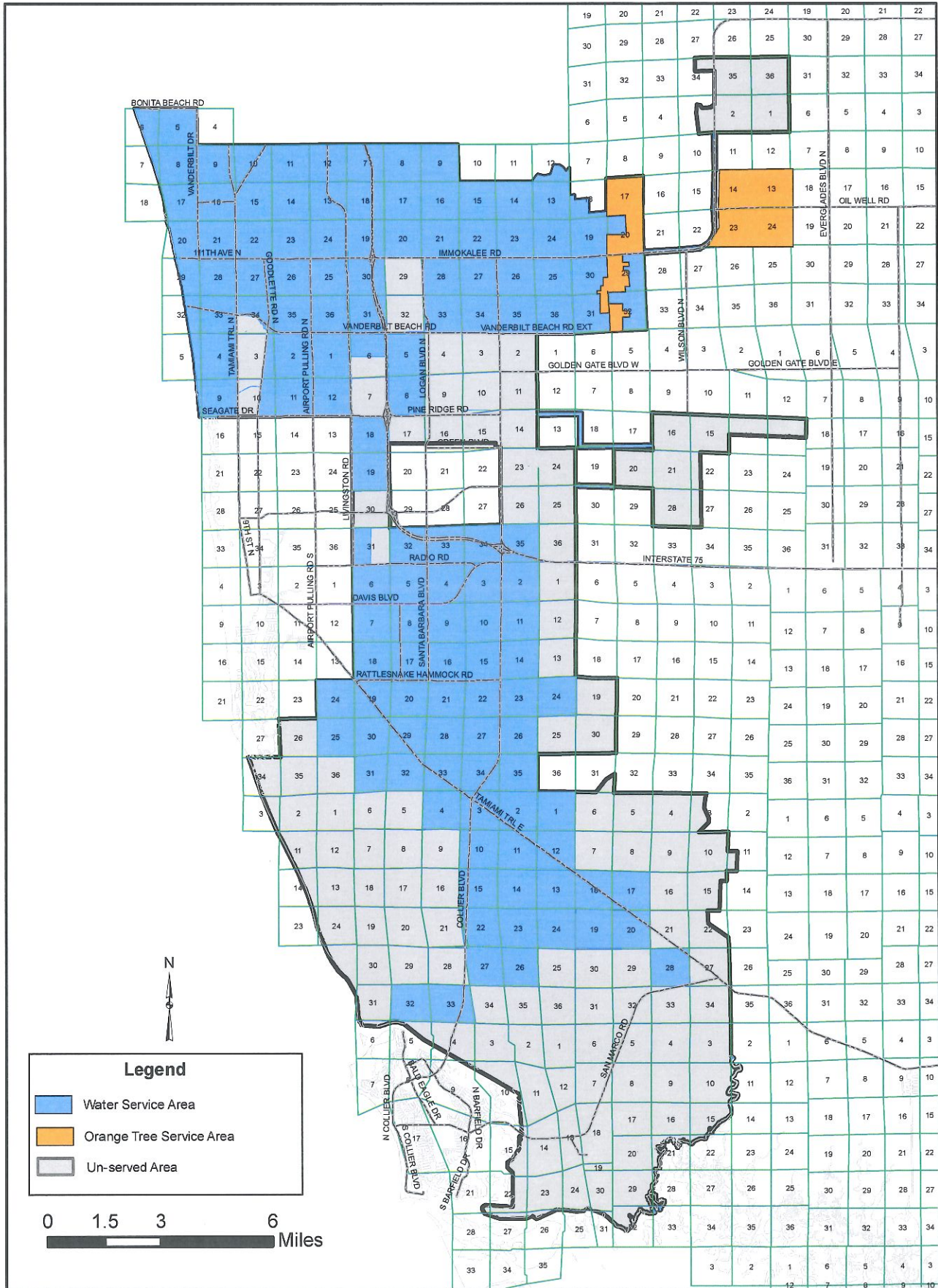


EXHIBIT "A"
COLLIER COUNTY SCHEDULE OF CAPITAL IMPROVEMENTS
FISCAL YEARS 2015-2019

CIE #	PROJECT	CONSTRUCTION SCHEDULE NOTES	\$ AMOUNT					\$ AMOUNT TOTAL
			FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	
	Debt Service		\$10,613,000	\$9,512,000	\$9,315,000	\$9,316,000	\$8,872,000	\$47,628,000
	Expansion Related Projects - Other		\$0	\$0	\$0	\$0	\$0	\$0
	Replacement & Rehabilitation Projects - Other		\$18,550,000	\$14,400,000	\$14,400,000	\$14,550,000	\$14,550,000	\$76,450,000
	Departmental Capital		\$684,500	\$550,000	\$560,000	\$538,000	\$537,000	\$2,869,500
	Reserve for Contingencies - Replacement & Rehabilitation Projects		\$1,855,000	\$1,440,000	\$1,440,000	\$1,455,000	\$1,455,000	\$7,645,000
	POTABLE WATER SYSTEM PROJECT TOTALS		\$31,702,500	\$25,902,000	\$25,715,000	\$25,859,000	\$25,414,000	\$134,592,500

REVENUE KEY - REVENUE SOURCE		FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	TOTAL
WIF - Water System Development Fees / Impact Fees		\$6,000,000	\$5,400,000	\$5,600,000	\$5,700,000	\$5,900,000	\$28,600,000
RR - Reserve Reduction (less 5% required by law)		\$0	\$0	\$0	\$0	\$0	\$0
BT - Bonds		\$0	\$0	\$0	\$0	\$0	\$0
LOC - Commercial Paper		\$0	\$0	\$0	\$0	\$0	\$0
SRF - State Revolving Fund Loans		\$0	\$0	\$0	\$0	\$0	\$0
WCA - Water Capital Account		\$684,500	\$550,000	\$560,000	\$538,000	\$537,000	\$2,869,500
REV - Rate Revenue		\$25,018,000	\$19,952,000	\$19,555,000	\$19,621,000	\$18,977,000	\$103,123,000
REVENUE TOTAL		\$31,702,500	\$25,902,000	\$25,715,000	\$25,859,000	\$25,414,000	\$134,592,500

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.

DATA SOURCES:
 - Expansion Related and Replacement & Rehabilitation Projects:
 FY 2015 is obtained from the 2015 Proposed Budget.
 FY 2016 to FY 2019 are obtained from 2014 Proposed Master Plan and 2014 Board Approved User Rate Study.
 - Department Capital:
 FY 2015 is obtained from the 2015 Proposed Budget, split 50/50 between Water and Wastewater.
 FY 2016 to FY 2019 is obtained from the 2014 User Rate Study.
 - Debt Service:
 FY 2015-19 reflect the partial refunding of the CCWSD Water and Sewer Revenue Bonds, Series 2006 and the final amendments for SRF Loans DW1111 030 and DW1111 040. Total Debt Service amount is split 50/50 between Water and Wastewater.
 - Reserve for Contingencies - Replacement and Rehabilitation Projects:
 As per Florida Statutes, contingency reserves are up to 10% of expenses.

APPENDIX H
FUTURE COSTS AND REVENUES BY TYPE OF PUBLIC FACILITY
 FISCAL YEARS 2020-2024

POTABLE WATER PROJECTS									
CIE #	PROJECT	CONSTRUCTION SCHEDULE NOTES	\$ AMOUNT		\$ AMOUNT		\$ AMOUNT		\$ AMOUNT TOTAL
			FY 2020	FY 2021	FY 2022	FY 2023	FY 2024		
	Expansion Related Projects - Generally		\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Replacement & Rehabilitation Projects - Generally		\$14,885,000	\$14,682,000	\$18,036,000	\$21,237,000	\$18,769,000	\$87,609,000	\$87,609,000
	Debt Service		\$8,872,000	\$8,872,000	\$8,303,000	\$5,893,000	\$5,893,000	\$37,833,000	\$37,833,000
	Departmental Capital		\$577,000	\$589,000	\$601,000	\$613,000	\$625,000	\$3,005,000	\$3,005,000
	Reserve for Contingencies - Replacement & Rehabilitation Projects		\$1,489,500	\$1,468,200	\$1,803,600	\$2,123,700	\$1,876,900	\$8,760,900	\$8,760,900
	POTABLE WATER PROJECT TOTALS		\$25,822,500	\$25,611,200	\$28,743,600	\$29,866,700	\$27,163,900	\$137,207,900	\$137,207,900

REVENUE KEY - REVENUE SOURCE											
REVENUE SOURCE	FY 2020		FY 2021		FY 2022		FY 2023		FY 2024		TOTAL
REV - Rate Revenue	\$19,030,500	\$0	\$18,665,200	\$0	\$21,641,600	\$22,605,700	\$19,741,900	\$101,684,900	\$0	\$0	
RR - Operating Reserve Revenues	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
WCA - Water Capital Account	\$577,000	\$569,000	\$589,000	\$601,000	\$601,000	\$613,000	\$625,000	\$3,005,000	\$3,005,000	\$3,005,000	
WIF - Water System Development Fees	\$6,215,000	\$6,357,000	\$6,501,000	\$6,501,000	\$6,501,000	\$6,648,000	\$6,797,000	\$32,518,000	\$32,518,000	\$32,518,000	
REVENUE TOTAL	\$25,822,500	\$25,611,200	\$28,743,600	\$29,866,700	\$27,163,900	\$29,866,700	\$27,163,900	\$137,207,900	\$137,207,900	\$137,207,900	

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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.

COUNTY WATER - SEWER DISTRICT – WASTEWATER TREATMENT SYSTEMS

CONTENTS

- **DISTRICT WASTEWATER TREATMENT SYSTEM FACILITIES – SUMMARY**
- **INTRODUCTION**
- **TREATMENT FACILITIES LEVEL OF SERVICE STANDARD (LOSS) ASSESSMENT FOR SOUTH COUNTY WATER RECLAMATION FACILITY (SCWRF) SERVICE AREA, CHART & TABLE**
- **TREATMENT FACILITIES LEVEL OF SERVICE STANDARD (LOSS) ASSESSMENT FOR NORTH COUNTY WATER RECLAMATION FACILITY (NCWRF) SERVICE AREA, CHART & TABLE**
- **EXISTING AND FUTURE WASTEWATER SERVICE AREA MAP**
- **WASTEWATER TREATMENT SYSTEM SCHEDULES OF CAPITAL IMPROVEMENTS**

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2014 AUJR FACILITY SUMMARY
WASTEWATER TREATMENT SYSTEM FACILITIES

Facility Type: Collier County Water-Sewer District – Wastewater Treatment System

Level of Service Standard: 100 gallons per capita per day (gpcd) ⁽¹⁾

Capacity: South Service Area (SCWRF)

Constructed On-line Treatment Capacity, FY 15	16.0 MGD
Required Treatment Capacity, FY 15	10.9 MGD
Constructed On-line Treatment Capacity, FY 24	16.0 MGD
Required Treatment Capacity, FY 24	13.3 MGD

Capacity: North Service Area (NCWRF)

Constructed On-line Treatment Capacity, FY 15	24.7 MGD
Required Treatment Capacity, FY 15	13.1 MGD
Constructed On-line Treatment Capacity, FY 24	24.7 MGD
Required Treatment Capacity, FY 24	16.2 MGD

Expenditures FY15-FY19 ⁽²⁾

Expansion Related Projects	\$0
Replacement & Rehabilitation (R&R) Projects ⁽³⁾	\$152,556,000
Departmental Capital	\$3,232,500
Debt Service	\$47,628,000
Reserve for Contingencies - R&R Projects	<u>\$15,255,600</u>
TOTAL	\$218,672,100

Existing Revenue Sources FY15-FY19

Wastewater System Development Fees / Impact Fees	\$28,400,000
Water Capital Account	\$3,232,500
Rate Revenue	<u>\$187,039,600</u>
TOTAL	\$218,672,100

Surplus or (Deficit) for Five Year Program \$0

Recommended Action:

That the BCC find the Collier County Water-Sewer District Wastewater Treatment System in compliance with concurrency requirements found in FS Section 163, the Collier County Comprehensive Plan and the Land Development Code; and that it approve the proposed 2014 CCWSD Wastewater Treatment System Facilities AUJR and adopt the CIE Update for FY 2014/15 – FY 2018/19.

Conclusion: No new facility capacity is scheduled in the ten-year timeframe based on the Level of Service Standard, population projections and capacity as shown in the AUJR.

⁽¹⁾ Per 2014 Water, Wastewater and Irrigation Quality Water Master Plan Update

⁽²⁾ CIE consistent with Board approved: FY15 budget; 2014 Rate Study and CIP

⁽³⁾ As per Florida Statutes, reserve for contingencies are up to 10% of expenses

Collier County Government
Public Utilities Division
2014 ANNUAL UPDATE AND INVENTORY REPORT (AUIR)

COLLIER COUNTY WATER SEWER DISTRICT - WASTEWATER SYSTEM

Introduction:

The Public Utilities Division's 2014 AUIR submittals are based on the "Collier County Water & Sewer Districts Population Estimates and Projections" dated June 19, 2014, prepared by Collier County Comprehensive Planning Section. Populations are based on using Bureau of Economic and Business Research (BEBR) Medium Range growth rate through 2024. There are three notable changes from the 2013 Collier County Water Sewer District (CCWSD) Wastewater System AUIR; the fourth note is a long range planning comment.

1. Concurrency is shown for 10 years rather than 20 years. This format provides greater consistency with the State mandated CIE, concurrency regulation and other Collier County Divisions' AUIR submittals.
2. The Level of Service Standard (LOSS) was adjusted from 120 gpcd to 100 gpcd in the North County Service Area, reflecting updated historical analysis contained in the draft 2014 Public Utilities Master Plan.
3. The Orange Tree Service Area is anticipated to be integrated into the Collier County Water-Sewer District in FY 2015 as the Northeast Service Area.
4. Additional plant production capacity of 2 MGD will be needed by 2030; siting for new capacity should be established by 2022.

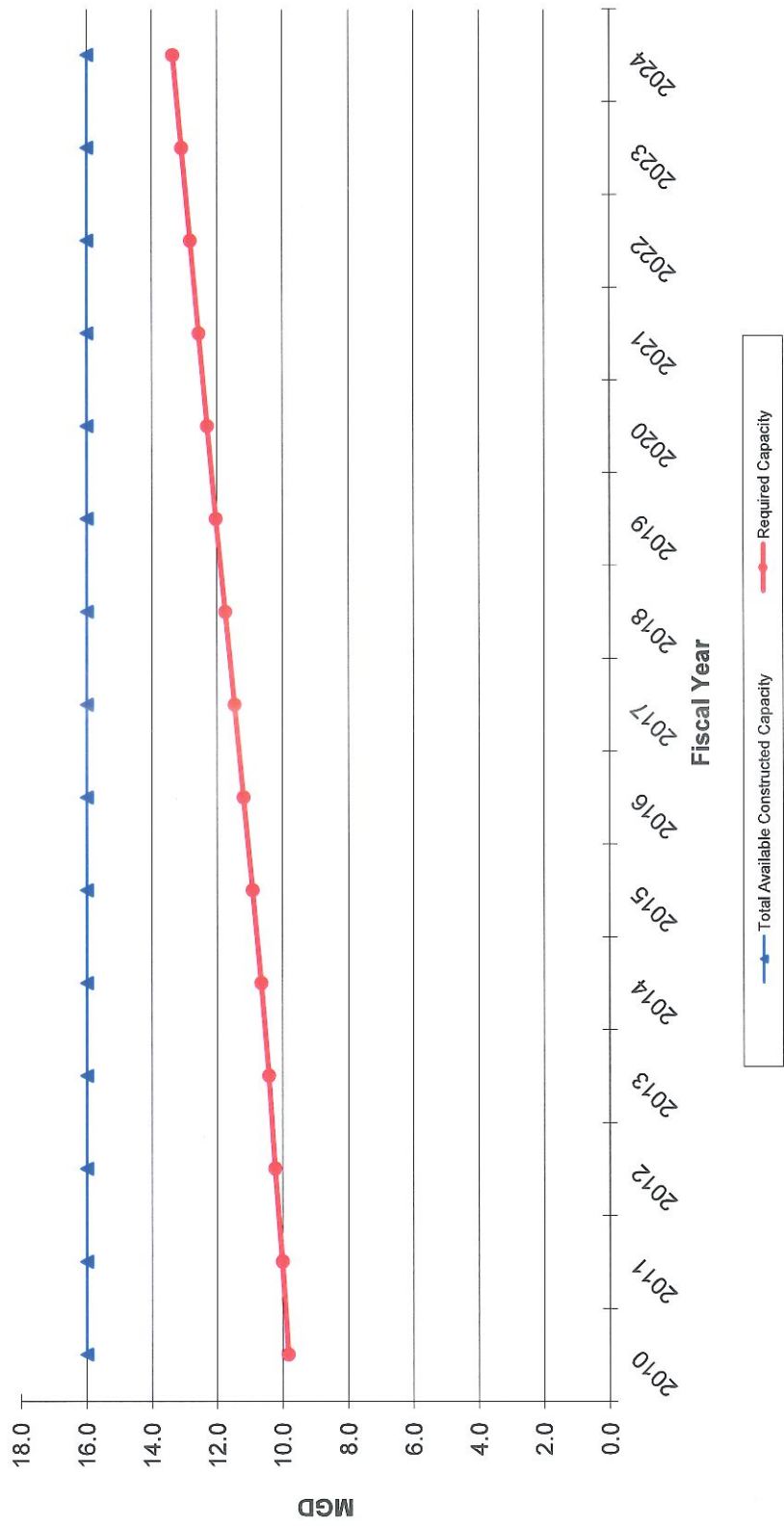
The 2014 wastewater AUIR is presented as a snapshot of concurrency conditions. The CCWSD is in compliance with concurrency requirements for FY 2015 and FY 2016, as required by FS Section 163, the Collier County Comprehensive Plan and the Land Development Code.

Recommendation:

The Public Utilities Division's staff recommends that the Collier County Board of County Commissioners approve the 2014 CCWSD Wastewater System AUIR.

Collier County Government
 Public Utilities Division
2014 ANNUAL UPDATE AND INVENTORY REPORT (AUJR)
Wastewater- South County Water Reclamation Facility (SCWRF)
 Level of Service Standard: 100 gpcd

July 30, 2014



Collier County Government
Public Utilities Division
2014 ANNUAL UPDATE AND INVENTORY REPORT (AUIR)

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

July 30, 2014

1	2	3	4	5	6	7	8	9
Fiscal Year	Population Served	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	98,210	9.8		16.0		16.0	6.2	0.5 (Min)
2011	100,023	10.0	0.2	16.0		16.0	6.0	0.5 (Min)
2012	102,210	10.2	0.2	16.0		16.0	5.8	0.5 (Min)
2013	104,110	10.4	0.2	16.0		16.0	5.6	0.5 (Min)
2014	106,451	10.6	0.2	16.0		16.0	5.4	0.5 (Min)
2015	109,099	10.9	0.3	16.0		16.0	5.1	0.5 (Min)
2016	111,797	11.2	0.3	16.0		16.0	4.8	0.5 (Min)
2017	114,549	11.5	0.3	16.0		16.0	4.5	0.5 (Min)
2018	117,354	11.7	0.3	16.0		16.0	4.3	0.5 (Min)
2019	120,214	12.0	0.3	16.0		16.0	4.0	0.5 (Min)
2020	122,928	12.3	0.3	16.0		16.0	3.7	0.5 (Min)
2021	125,490	12.5	0.3	16.0		16.0	3.5	0.5 (Min)
2022	128,095	12.8	0.3	16.0		16.0	3.2	0.5 (Min)
2023	130,745	13.1	0.3	16.0		16.0	2.9	0.5 (Min)
2024	133,439	13.3	0.3	16.0		16.0	2.7	0.5 (Min)

Collier County Government
Public Utilities Division
2014 ANNUAL UPDATE AND INVENTORY REPORT (AUIR)

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

July 30, 2014

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

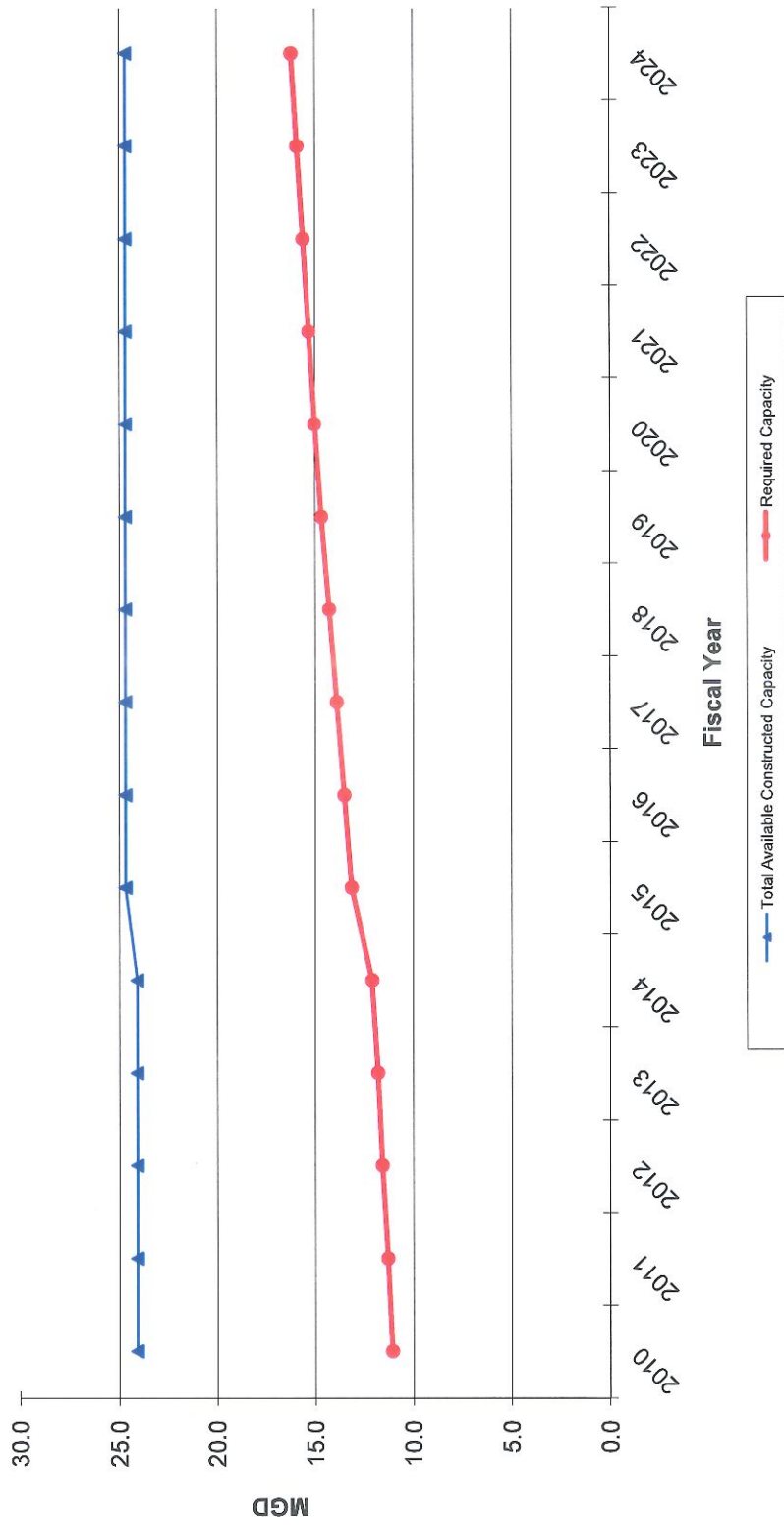
1. Fiscal Year starts October 1 and ends September 30.
2. Population Served. Estimates and projections for the served area are based on the "Collier County Water & Sewer Districts Population Estimates and Projections" dated June 19, 2014, prepared by Collier County Comprehensive Planning Section. Populations are based on using Bureau of Economic and Business Research (BEBR) Medium Range growth rate through 2024.
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 2014 Wastewater Master Plan Update, illustrated on page WW-4.
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-4.
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 0.5 MGD minimum through 2024. 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
 2014 ANNUAL UPDATE AND INVENTORY REPORT (AUJR)
 Wastewater-North County Water Reclamation Facility (NCWRF)
 Level of Service Standard: 100 gpcd

July 30, 2014



Collier County Government
Public Utilities Division
2014 ANNUAL UPDATE AND INVENTORY REPORT (AUIR)

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

July 30, 2014

1	2	3	4	5	6	7	8	9
Fiscal Year	Population Served	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 Values MGD
2010	110,655	11.1		24.1		24.1	13.0	0.4 (Min) - 3.0 (Max)
2011	113,004	11.3	0.2	24.1		24.1	12.8	0.4 (Min) - 3.0 (Max)
2012	115,786	11.6	0.3	24.1		24.1	12.5	0.4 (Min) - 3.0 (Max)
2013	118,113	11.8	0.2	24.1		24.1	12.3	0.4 (Min) - 3.0 (Max)
2014	121,010	12.1	0.3	24.1		24.1	12.0	0.4 (Min) - 3.0 (Max)
2015	131,239	13.1	1.0	24.7		24.7	11.6	0.4 (Min) - 3.0 (Max)
2016	134,954	13.5	0.4	24.7		24.7	11.2	0.4 (Min) - 3.0 (Max)
2017	138,740	13.9	0.4	24.7		24.7	10.8	0.4 (Min) - 3.0 (Max)
2018	142,601	14.3	0.4	24.7		24.7	10.4	0.4 (Min) - 3.0 (Max)
2019	146,538	14.7	0.4	24.7		24.7	10.0	0.4 (Min) - 3.0 (Max)
2020	150,070	15.0	0.4	24.7		24.7	9.7	0.4 (Min) - 3.0 (Max)
2021	153,036	15.3	0.3	24.7		24.7	9.4	0.4 (Min) - 3.0 (Max)
2022	155,902	15.6	0.3	24.7		24.7	9.1	0.4 (Min) - 3.0 (Max)
2023	158,817	15.9	0.3	24.7		24.7	8.8	0.4 (Min) - 3.0 (Max)
2024	161,781	16.2	0.3	24.7		24.7	8.5	0.4 (Min) - 3.0 (Max)

Collier County Government
Public Utilities Division
2014 ANNUAL UPDATE AND INVENTORY REPORT (AUIR)

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

July 30, 2014

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

1. Fiscal Year starts October 1 and ends September 30.
2. Population Served. Estimates and projections for the served area are based on the "Collier County Water & Sewer Districts Population Estimates and Projections" dated June 19, 2014, prepared by Collier County Comprehensive Planning Section. Populations are based on using Bureau of Economic and Business Research (BEBR) Medium Range growth rate through 2024.
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 North Service Area as adopted in the 2014 Wastewater Master Plan Update. 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. Capacity in 2015 is increased by 0.6 mgd when Orange Tree Utilities is anticipated to be integrated into CCWSD.
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-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 Values for planning purposes are 0.4 MGD minimum and 3.0 MGD maximum through FY 2024. 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.

Existing and Future Wastewater Service Areas 2014 Wastewater AUIR

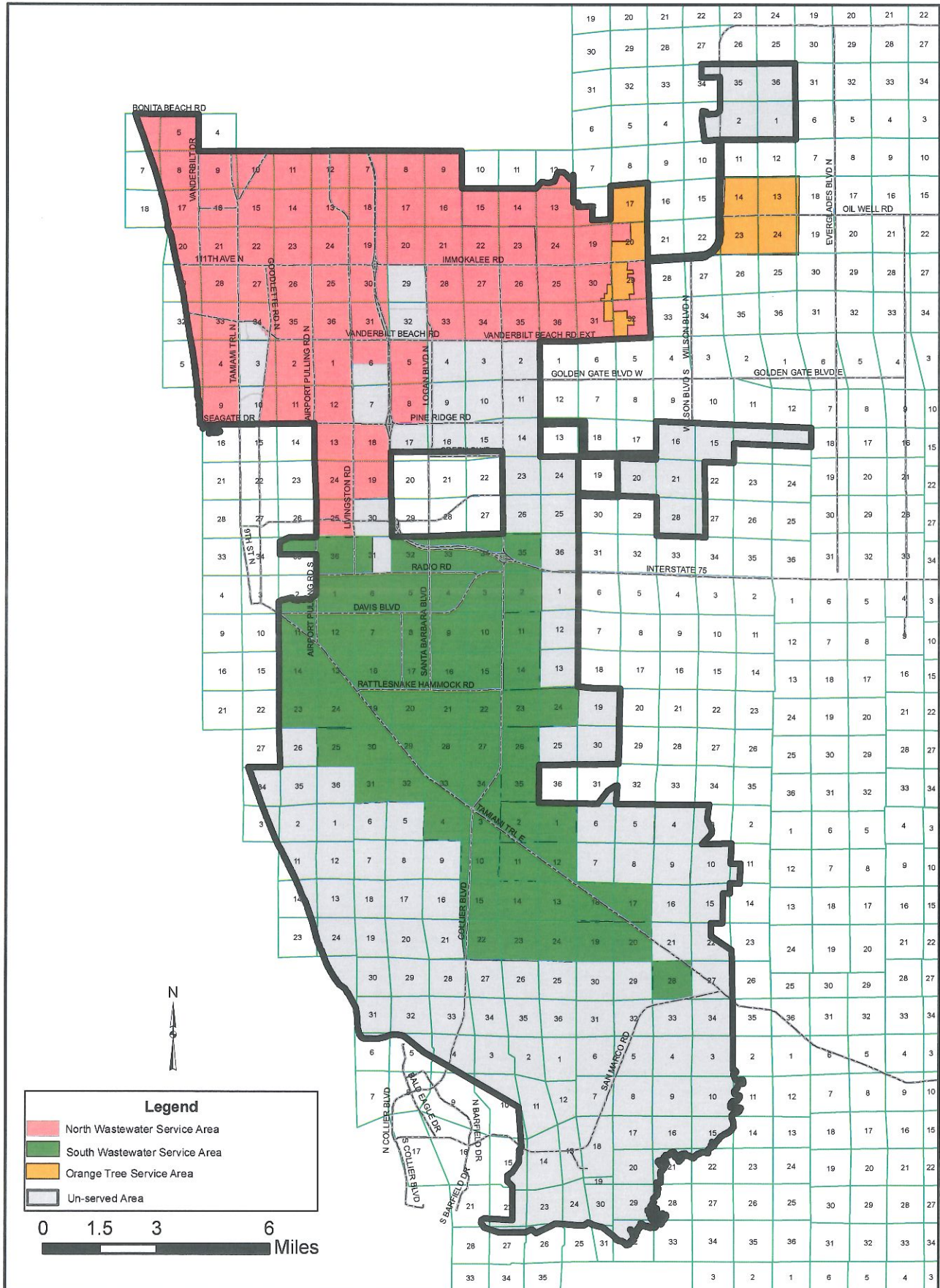


EXHIBIT "A"
COLLIER COUNTY SCHEDULE OF CAPITAL IMPROVEMENTS
FISCAL YEARS 2015-2019

WASTEWATER TREATMENT SYSTEM PROJECTS									
CE #	PROJECT	CONSTRUCTION SCHEDULE NOTES	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	TOTAL	\$ AMOUNT
	Debt Service		\$0	\$9,512,000	\$5,315,000	\$9,316,000	\$8,872,000	\$47,628,000	\$0
	Expansion Related Projects - Other		\$29,150,000	\$25,710,000	\$33,826,000	\$31,060,000	\$32,810,000	\$152,556,000	\$0
	Replacement & Rehabilitation Projects - Other		\$684,500	\$766,000	\$595,000	\$593,000	\$594,000	\$3,232,500	\$0
	Departmental Capital		\$2,915,000	\$2,571,000	\$3,382,600	\$3,106,000	\$3,281,000	\$15,255,600	\$0
	Reserve for Contingencies - Replacement & Rehabilitation Projects		\$43,362,500	\$38,559,000	\$47,118,600	\$44,075,000	\$45,557,000	\$218,672,100	\$0
	WASTEWATER TREATMENT SYSTEM PROJECT TOTALS								

REVENUE KEY - REVENUE SOURCE									
	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	TOTAL			
SIF - Wastewater System Development Fees / Impact Fees	\$6,000,000	\$5,400,000	\$5,500,000	\$5,700,000	\$5,800,000	\$28,400,000			
RR - Reserve Reduction (less 5% required by law)	\$0	\$0	\$0	\$0	\$0	\$0			
BI - Bonds	\$0	\$0	\$0	\$0	\$0	\$0			
SRF - State Revolving Fund Loans	\$0	\$0	\$0	\$0	\$0	\$0			
LOC - Commercial Paper	\$0	\$0	\$0	\$0	\$0	\$0			
SCA - Wastewater Capital Account - Transfers	\$684,500	\$766,000	\$595,000	\$593,000	\$594,000	\$3,232,500			
REV - Rate Revenue	\$36,678,000	\$32,393,000	\$41,023,600	\$37,782,000	\$39,163,000	\$187,039,600			
REVENUE TOTAL	\$43,362,500	\$38,559,000	\$47,118,600	\$44,075,000	\$45,557,000	\$218,672,100			

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.

DATA SOURCES:
 - Expansion Related and Replacement & Rehabilitation Projects:
 FY 2015 is obtained from the 2015 Proposed Budget.
 FY 2016 to FY 2019 are obtained from 2014 Proposed Master Plan and 2014 Board Approved User Rate Study.
 - Department Capital:
 FY 2015 is obtained from the 2015 Proposed Budget, split 50/50 between Water and Wastewater.
 FY 2016 to FY 2019 is obtained from the 2014 User Rate Study.
 - Debt Service:
 FY 2015-19 reflect the partial refunding of the CCWSD Water and Sewer Revenue Bonds, Series 2006 and the final amendments for SRF Loans DW1111 030 and DW1111 040. Total Debt Service amount is split 50/50 between Water and Wastewater.
 - Reserve for Contingencies - Replacement and Rehabilitation Projects:
 As per Florida Statutes, reserve for contingencies are up to 10% of expenses.

WASTEWATER PROJECTS									
CIE #	PROJECT	CONSTRUCTION	\$ AMOUNT	\$ AMOUNT	\$ AMOUNT	\$ AMOUNT	\$ AMOUNT	\$ AMOUNT	\$ AMOUNT
		SCHEDULE NOTES	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	TOTAL
	Expansion Related Projects - Other		\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Replacement & Rehabilitation Projects - Other		\$77,762,000	\$70,777,000	\$61,089,000	\$67,007,000	\$70,336,000	\$346,981,000	\$346,981,000
	Departmental Capital		\$577,000	\$589,000	\$607,000	\$613,000	\$625,000	\$3,005,000	\$3,005,000
	Debt Service		\$8,872,000	\$8,872,000	\$6,303,000	\$5,893,000	\$5,893,000	\$37,833,000	\$37,833,000
	Reserve for Contingencies - Replacement & Rehabilitation Projects		\$7,778,200	\$7,077,700	\$6,108,900	\$6,700,700	\$7,033,600	\$34,686,100	\$34,686,100
	SEWER - WASTEWATER PROJECT TOTALS		\$95,009,200	\$87,315,700	\$76,101,900	\$80,213,700	\$83,887,600	\$422,528,100	\$422,528,100

REVENUE KEY - REVENUE SOURCE									
			FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	TOTAL
	REV - Rate Revenue		\$68,532,200	\$90,626,700	\$69,300,900	\$73,300,700	\$76,862,800	\$368,623,100	\$368,623,100
	RR - Operating Reserve Revenues		\$0	\$0	\$0	\$0	\$0	\$0	\$0
	SCA - Wastewater Capital Account - Transfers		\$577,000	\$589,000	\$607,000	\$613,000	\$625,000	\$3,005,000	\$3,005,000
	SIF - Wastewater System Development Fees / Impact Fees		\$5,900,000	\$6,100,000	\$6,200,000	\$6,300,000	\$6,400,000	\$30,900,000	\$30,900,000
	REVENUE TOTAL		\$95,009,200	\$87,315,700	\$76,101,900	\$80,213,700	\$83,887,600	\$422,528,100	\$422,528,100

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.

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SOLID WASTE DISPOSAL FACILITIES

CONTENTS

- **SOLID WASTE DISPOSAL FACILITIES – SUMMARY**
- **INTRODUCTION**
- **TABLE 1 – COLLIER COUNTY LANDFILL DISPOSAL CAPACITY LEVEL OF SERVICE STANDARD: TEN YEARS OF PERMITTED LANDFILL CAPACITY AT PREVIOUS THREE YEARS AVERAGE TONS PER CAPITA DISPOSAL RATE, INC. NOTES**
- **CHART 1 – TEN YEARS OF PERMITTED LANDFILL CAPACITY**
- **TABLE 2 – COLLIER COUNTY LANDFILL DISPOSAL CAPACITY LEVEL OF SERVICE STANDARD: TWO YEARS OF LINED CELL CAPACITY AT PREVIOUS THREE YEARS AVERAGE TONS PER CAPITAL DISPOSAL RATE, INC. NOTES**
- **CHART 2 – TWO YEARS OF LINED CELL CAPACITY**
- **SOLID WASTE DISPOSAL FACILITIES SCHEDULES OF CAPITAL IMPROVEMENTS**

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2014 AUIR FACILITY SUMMARY
SOLID WASTE DISPOSAL FACILITIES

Facility Type: Solid Waste Disposal Facilities

Level of Service Standard: 10 years of permitted landfill capacity and 2 years of lined cell capacity at previous 3 years average tons per capita disposal rate

Capacity:

Total Permitted Landfill Capacity Remaining, 2014	18,305,000 Tons
Required Permitted Landfill Capacity, 2014	2,365,000 Tons
Total Lined Cell Capacity Remaining, 2014	2,019,000 Tons
Required Lined Cell Capacity, 2014	440,000 Tons
Estimated Life of Landfill	55 Years

The Collier County Landfill is financed and operated under a design/build/operate Landfill Operating Agreement (LOA) with Waste Management Inc. of Florida (WMIF). All capital revenue and expenses incurred, including cell expansion, are paid through tipping fees paid to WMIF.

Under the LOA:

- No debt is carried by Collier County
- Design/build/operate provisions ensure proper cell capacity
- Landfill cells vary by size and disposal capacity

Recommendation:

That the BCC find the Collier County Landfill Disposal Capacity in compliance with concurrency requirements found in FS Section 163, the Collier County Comprehensive Plan and the Land Development Code; that it continue its support of the Integrated Solid Waste Management Strategy initiatives to increase recycling to reach the 75% state goal; and that it approve the proposed 2014 Solid Waste Disposal Facilities AUIR and adopt the CIE Update for FY 2014/15 – FY 2018/19.

Note: The Solid and Hazardous Waste Management Department reached a milestone in 2013, achieving a 60% recycling rate as reported by FDEP.

Collier County Government
Public Utilities Division
2014 Annual Update and Inventory Report (AUIR)

COLLIER COUNTY LANDFILL DISPOSAL CAPACITY

Introduction:

The Public Utilities Division's 2014 AUIR submittals are based on "Collier County Peak Season Population Estimates and Projections" dated June 12, 2014, prepared by Collier County Comprehensive Planning Section. Populations are derived from data obtained from: The 2010 Census; Bureau of Economic and Business Research (BEBR) population bulletins; Collier County Comprehensive Planning staff; and, Planning staff from the Cities of Naples and Marco Island. FY 2035 - FY 2070 projected populations are based on average annual percentage increases for FY 2032 - FY 2034 (1.27%). There are two notable changes from the 2013 Collier County Landfill Disposal Capacity AUIR; the third item is a long range planning comment:

1. The 2014 Solid Waste AUIR projects that the Collier County Landfill will have zero capacity remaining in FY 2069, while the 2013 Solid Waste AUIR projected that the Collier County Landfill would have zero capacity remaining in FY 2070. The decrease of one year of capacity reflects the impacts of a rebounding economy, increased tourism and population.
2. The projected Tons Per Capita Disposal Rate in the 2014 Solid Waste AUIR for 2015 forward is 0.52, which is an increase from the projected Tons Per Capita Disposal Rate in the 2013 Solid Waste AUIR of 0.51. This is again reflective of the business and tourism rebound, reflected in a higher projected per capita tonage for FY 2014.
3. Based on an estimate of 10 years for all federal, state and local permitting, site selection for a new landfill should be completed by 2049, to allow for permitting by 2059, preserving ten years of permitted landfill capacity in advance of 2069.

The 2014 Solid Waste AUIR is presented as a snapshot of concurrency conditions. The Collier County Solid and Hazardous Waste Management Department is in compliance with concurrency requirements for FY 2015 and FY 2016, as required by FS Section 163, the Collier County Comprehensive Plan and the Land Development Code.

Recommendations:

The Solid and Hazardous Waste Management Department reached a milestone, achieving a recycling rate of 60% in 2013, as reported by FDEP. The Public Utilities Division's staff recommends that the Collier County Board of County Commissioners approve the 2014 Collier County Landfill Disposal Capacity AUIR and continue to support the Integrated Solid Waste Management Strategy initiatives to increase recycling to reach the 75% State goal, and to divert recyclables and hazardous waste from the Collier County Landfill.

Collier County Government
Public Utilities Division
2014 Annual Update and Inventory Report (AUIR)

**Table 1: Collier County Landfill Disposal Capacity
Level of Service Standard: Ten Years of Permitted Landfill Capacity
at Previous Three Years Average Tons Per Capita Disposal Rate**

July 30, 2014

1	2	3	4	5	6	7
Fiscal Year	Peak Population	Tons Per Capita Disposal Rate	Annual Tons Disposed	Total Landfill Capacity Balance (tons)	Next Ten Years Landfill Capacity Requirement (tons)	Ten Year Permitted Landfill Capacity Surplus or Deficiency (tons)
2000	309,511	1.23	381,499	4,537,914	2,851,851	1,686,063
2001	325,159	1.32	430,511	4,107,403	2,623,566	1,483,837
2002	341,954	1.07	366,547	3,740,856	2,460,204	1,280,652
2003	359,191	0.80	288,409	5,820,359	2,381,106	3,439,253
2004	374,384	0.78	291,903	9,130,976	2,308,066	6,822,910
2005	386,668	0.71	274,777	9,695,124	2,251,040	7,444,084
2006	396,310	0.70	278,384	9,920,278	2,194,538	7,725,740
2007	400,027	0.64	254,889	9,594,647	2,165,740	7,428,907
2008	399,532	0.61	241,816	9,282,412	2,154,305	7,128,108
2009	399,979	0.54	215,338	9,067,074	2,173,718	6,893,357
2010	387,183	0.54	209,277	8,857,797	2,203,351	6,654,447
2011	392,180	0.52	202,226	8,655,571	2,243,974	6,411,597
2012	398,107	0.51	203,185	18,566,434	2,287,642	16,278,792
2013	403,435	0.52	209,311	18,524,000	2,329,255	16,194,745
2014	410,297	0.53	218,863	18,305,137	2,365,452	15,939,685
2015	418,048	0.52	217,751	18,087,386	2,406,699	15,680,687
2016	425,979	0.52	221,882	17,865,504	2,447,547	15,417,958
2017	434,060	0.52	226,091	17,639,413	2,487,969	15,151,444
2018	442,295	0.52	230,380	17,409,032	2,527,942	14,881,090
2019	450,685	0.52	234,751	17,174,281	2,567,440	14,606,842
2020	458,670	0.52	238,910	16,935,371	2,606,488	14,328,883
2021	466,233	0.52	242,849	16,692,522	2,645,118	14,047,404
2022	473,920	0.52	246,853	16,445,669	2,683,308	13,762,361
2023	481,734	0.52	250,923	16,194,745	2,721,038	13,473,707
2024	489,677	0.52	255,060	15,939,685	2,758,286	13,181,398
2025	497,236	0.52	258,998	15,680,687	2,795,299	12,885,387
2026	504,399	0.52	262,729	15,417,958	2,832,330	12,585,628
2027	511,666	0.52	266,514	15,151,444	2,869,372	12,282,072
2028	519,037	0.52	270,353	14,881,090	2,906,418	11,974,672
2029	526,514	0.52	274,248	14,606,842	2,943,463	11,663,379
2030	533,638	0.52	277,959	14,328,883	2,980,739	11,348,144
2031	540,396	0.52	281,479	14,047,404	3,018,488	11,028,916
2032	547,239	0.52	285,043	13,762,361	3,056,714	10,705,646
2033	554,170	0.52	288,653	13,473,707	3,095,425	10,378,283
2034	561,188	0.52	292,309	13,181,398	3,134,625	10,046,773
2035	568,295	0.52	296,011	12,885,387	3,174,322	9,711,065
2036	575,492	0.52	299,760	12,585,628	3,214,522	9,371,106
2037	582,780	0.52	303,556	12,282,072	3,255,231	9,026,841
2038	590,160	0.52	307,400	11,974,672	3,296,455	8,678,217
2039	597,634	0.52	311,293	11,663,379	3,338,201	8,325,178
2040	605,203	0.52	315,235	11,348,144	3,380,476	7,967,668
2041	612,867	0.52	319,227	11,028,916	3,423,286	7,605,630
2042	620,628	0.52	323,270	10,705,646	3,466,639	7,239,008
2043	628,488	0.52	327,364	10,378,283	3,510,540	6,867,742
2044	636,447	0.52	331,510	10,046,773	3,554,998	6,491,775
2045	644,507	0.52	335,708	9,711,065	3,600,018	6,111,047
2046	652,669	0.52	339,959	9,371,106	3,645,609	5,725,497

Collier County Government
Public Utilities Division
2014 Annual Update and Inventory Report (AUIR)

**Table 1: Collier County Landfill Disposal Capacity
Level of Service Standard: Ten Years of Permitted Landfill Capacity
at Previous Three Years Average Tons Per Capita Disposal Rate**

July 30, 2014

1	2	3	4	5	6	7
Fiscal Year	Peak Population	Tons Per Capita Disposal Rate	Annual Tons Disposed	Total Landfill Capacity Balance (tons)	Next Ten Years Landfill Capacity Requirement (tons)	Ten Year Permitted Landfill Capacity Surplus or Deficiency (tons)
2047	660,934	0.52	344,265	9,026,841	3,691,777	5,335,064
2048	669,305	0.52	348,624	8,678,217	3,738,530	4,939,687
2049	677,781	0.52	353,039	8,325,178	3,785,874	4,539,303
2050	686,364	0.52	357,510	7,967,668	3,833,819	4,133,849
2051	695,056	0.52	362,038	7,605,630	3,882,370	3,723,260
2052	703,858	0.52	366,622	7,239,008	3,931,537	3,307,471
2053	712,772	0.52	371,265	6,867,742	3,981,326	2,886,417
2054	721,798	0.52	375,967	6,491,775	4,031,745	2,460,030
2055	730,939	0.52	380,728	6,111,047	4,082,803	2,028,244
2056	740,196	0.52	385,550	5,725,497	4,134,508	1,590,989
2057	749,570	0.52	390,432	5,335,064	4,186,867	1,148,197
2058	759,062	0.52	395,377	4,939,687	4,239,890	699,798
2059	768,675	0.52	400,384	4,539,303	4,293,584	245,720
2060	778,410	0.52	405,454	4,133,849	N/A	N/A
2061	788,267	0.52	410,589	3,723,260	N/A	N/A
2062	798,250	0.52	415,789	3,307,471	N/A	N/A
2063	808,359	0.52	421,054	2,886,417	N/A	N/A
2064	818,596	0.52	426,387	2,460,030	N/A	N/A
2065	828,963	0.52	431,786	2,028,244	N/A	N/A
2066	839,461	0.52	437,255	1,590,989	N/A	N/A
2067	850,092	0.52	442,792	1,148,197	N/A	N/A
2068	860,857	0.52	448,399	699,798	N/A	N/A
2069	871,759	0.52	454,078	245,720	N/A	N/A

Collier County Government
Public Utilities Division
2014 Annual Update and Inventory Report (AUIR)

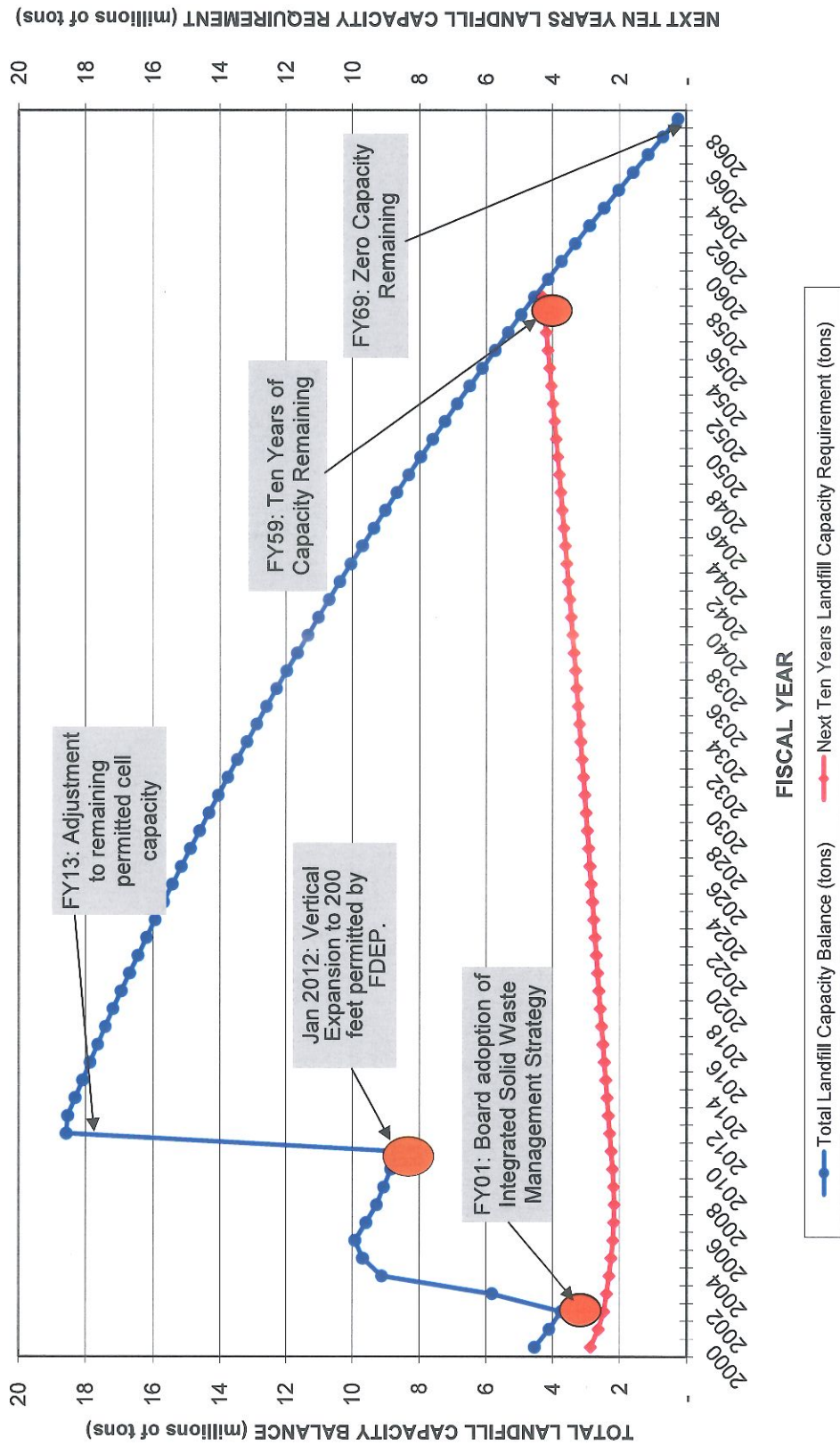
**Table 1: Collier County Landfill Disposal Capacity
Level of Service Standard: Ten Years of Permitted Landfill Capacity
at Previous Three Years Average Tons Per Capita Disposal Rate**

July 30, 2014

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 "Collier County Peak Season Population Estimates and Projections" dated June 12, 2014, prepared by Collier County Comprehensive Planning Section. Populations are derived from data obtained from: 2010 Census; Bureau of Economic and Business Research (BEBR) population bulletins; Collier County Comprehensive Planning staff; and, Planning staff from Naples and Marco Island. FY 2035 - FY 2069 projected based on average annual percentage increase for FY 2032 - FY 2034 (1.27%).
3. Tons Per Capita Disposal Rate for FY 2000 - FY 2014 is calculated by dividing the actual Annual Tons Disposed (column 4) by the Peak Population (column 2). FY 2015 forward is the average Tons Per Capita Disposal Rate (column 3) of previous 3 years (FY 2012, FY 2013, and FY 2014).
4. Annual Tons Disposed for FY 2013 is actual tonnage amount buried at the Collier County Landfill. FY 2014 reflects the projected tons disposed from the current year forecast. FY 2015 forward are derived from Peak Population (column 2) multiplied by the Tons Per Capita Disposal Rate (column 3).
5. Total Landfill Capacity Balance (tons) is the previous years Total Landfill Capacity Balance (column 5) minus Annual Tons Disposed (column 4) at the Collier County Landfill. The bolded value in the Total Landfill Capacity Balance (column 5) is from Waste Management, Inc. of Florida's (WMIF) Annual Estimate of Remaining Life and Capacity Letter that includes the Board approved and FDEP permitted vertical expansion plus 930,000 tons of contracted disposal capacity at the Okeechobee Landfill. See graph on page SW-5.
6. Next Ten Years Landfill Capacity Requirement (tons) is the sum of the next ten years of Annual Tons Disposed (column 4) at the Collier County Landfill. See graph on page SW-5.
7. Ten Year Permitted Landfill Capacity Surplus or Deficiency (tons) is the Total Landfill Capacity Balance (column 5) minus the Next Ten Years Landfill Capacity Requirement (column 6).

CHART 1: TEN YEARS OF PERMITTED LANDFILL CAPACITY
 Level of Service Standard = Ten Years of Permitted Landfill Capacity at Previous Three Years Average Tons Per Capita Disposal Rate
 July 30, 2014



Collier County Government
Public Utilities Division
2014 Annual Update and Inventory Report (AUIR)

**Table 2: Collier County Landfill Disposal Capacity
Level of Service Standard: Two Years of Lined Cell Capacity
at Previous Three Years Average Tons Per Capita Disposal Rate**

July 30, 2014

1	2	3	4	5	6	7
Fiscal Year	Peak Population	Tons Per Capita Disposal Rate	Annual Tons Disposed	Lined Cell Capacity Balance (tons)	Next Two Years Lined Cell Capacity Requirement (tons)	Projected Lined Cell Capacity Surplus or Deficiency (tons)
2000	309,511	1.23	381,499	1,019,063	797,058	222,005
2001	325,159	1.32	430,511	588,552	654,956	(66,404)
2002	341,954	1.07	366,547	2,325,580	580,312	1,745,268
2003	359,191	0.80	288,409	2,037,171	566,680	1,470,491
2004	374,384	0.78	291,903	1,745,268	553,161	1,192,107
2005	386,668	0.71	274,777	1,470,491	533,273	937,218
2006	396,310	0.70	278,384	1,973,878	496,705	1,477,173
2007	400,027	0.64	254,889	1,718,989	457,154	1,261,835
2008	399,532	0.61	241,816	1,477,173	424,615	1,052,558
2009	399,979	0.54	215,338	2,107,085	411,503	1,695,582
2010	387,183	0.54	209,277	2,027,287	405,411	1,621,876
2011	392,180	0.52	202,226	1,825,061	412,496	1,412,565
2012	398,107	0.51	203,185	1,621,876	428,174	1,193,702
2013	403,435	0.52	209,311	2,237,565	436,614	1,800,951
2014	410,297	0.53	218,863	2,018,702	439,633	1,579,069
2015	418,048	0.52	217,751	1,800,951	447,973	1,352,978
2016	425,979	0.52	221,882	2,959,069	456,472	2,502,598
2017	434,060	0.52	226,091	2,732,978	465,131	2,267,847
2018	442,295	0.52	230,380	2,502,598	473,661	2,028,937
2019	450,685	0.52	234,751	2,267,847	481,759	1,786,087
2020	458,670	0.52	238,910	2,028,937	489,703	1,539,234
2021	466,233	0.52	242,849	1,786,087	497,777	1,288,310
2022	473,920	0.52	246,853	1,539,234	505,984	1,033,250
2023	481,734	0.52	250,923	1,288,310	514,058	774,252
2024	489,677	0.52	255,060	1,033,250	521,727	511,523
2025	497,236	0.52	258,998	774,252	529,243	245,009
2026	504,399	0.52	262,729	511,523	N/A	N/A
2027	511,666	0.52	266,514	245,009	N/A	N/A

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Collier County Government
Public Utilities Division
2014 Annual Update and Inventory Report (AUIR)

**Table 2: Collier County Landfill Disposal Capacity
Level of Service Standard: Two Years of Lined Cell Capacity
at Previous Three Years Average Tons Per Capita Disposal Rate**

July 30, 2014

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

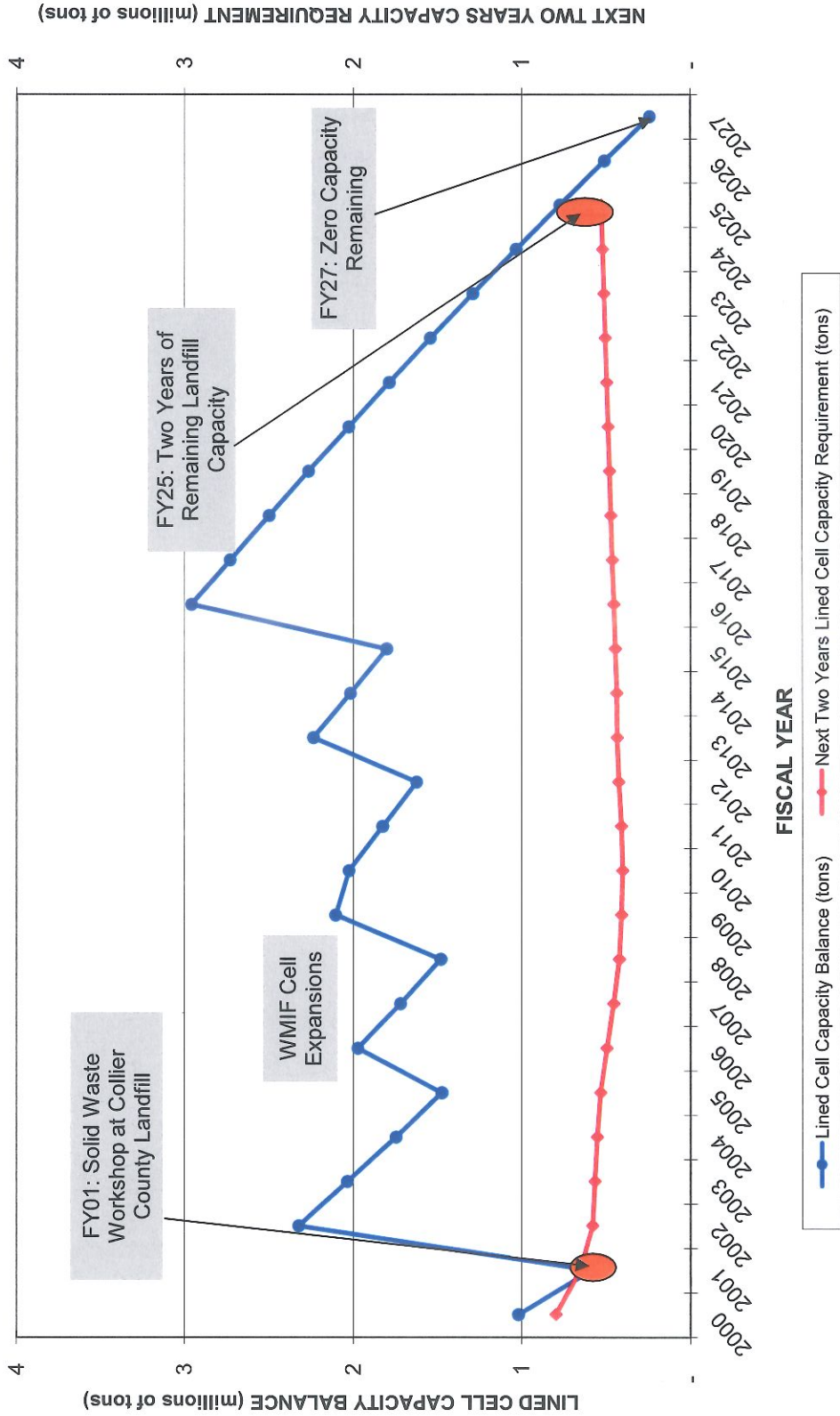
1. Fiscal Year starts October 1 and ends September 30.
2. Peak Population. Estimates and projections for the existing service area are based on "Collier County Peak Season Population Estimates and Projections" dated June 12, 2014, prepared by Collier County Comprehensive Planning Section. Populations are derived from data obtained from: 2010 Census; Bureau of Economic and Business Research (BEBR) population bulletins; Collier County Comprehensive Planning staff; and, Planning staff from Naples and Marco Island.
3. Tons Per Capita Disposal Rate for FY 2000 - FY 2014 is calculated by dividing the actual Annual Tons Disposed (column 4) by the Peak Population (column 2). FY 2015 forward is the average Tons Per Capita Disposal Rate (column 3) of previous 3 years (FY 2012, FY 2013, and FY 2014).
4. Annual Tons Disposed for FY 2000 - FY 2013 are actual tonnage amounts buried at the Collier County Landfill. FY 2014 reflects the projected tons disposed from the current year forecast. FY 2015 forward are derived from Peak Population (column 2) multiplied by the Tons Per Capita Disposal Rate (column 3).
5. Lined Cell Capacity Balance (tons) is the previous years Lined Cell Capacity Balance (column 5) minus Annual Tons Disposed (column 4) at the Collier County Landfill. See below for explanations of the bolded values in the Lined Cell Capacity Balance (column 5).

Fiscal Year	New Capacity (tons)	Description	Source of Information
2002	930,000	Contracted disposal capacity at the Okeechobee Landfill.	June 12, 2001 Disposal Capacity Agreement, as amended.
2002	1,173,575	Lined Cell Expansion	Complete.
2006	911,250	Lined Cell Expansion	Complete.
2009	845,250	Lined Cell Expansion	Complete.
2013	825,000	Lined Cell Expansion	Waste Management, Inc. of Florida (WMIF) 5-year Cell Development Schedule received 03/25/14.
2016	1,380,000	Lined Cell Expansion	WMIF 5-year Cell Development Schedule dated 03/25/14.

6. Next Two Years Lined Cell Capacity Requirement (tons) is the sum of the next two years of Annual Tons Disposed (column 4) at the Collier County Landfill.
7. Projected Lined Cell Capacity Surplus or Deficiency (tons) is the Lined Cell Capacity Balance (column 5) minus the Next Two Years Lined Cell Capacity Requirement (column 6).

CHART 2: TWO YEARS OF LINED CELL CAPACITY

Level of Service Standard = Two Years of Lined Cell Capacity at Previous Three Years Average Tons Per Capita Disposal Rate
 July 30, 2014



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EXHIBIT "A"
COLLIER COUNTY SCHEDULE OF CAPITAL IMPROVEMENTS
 FISCAL YEARS 2015-2019

SOLID WASTE DISPOSAL FACILITIES PROJECTS									
CIE #	PROJECT	CONSTRUCTION SCHEDULE NOTES	\$ AMOUNT FY 2015	\$ AMOUNT FY 2016	\$ AMOUNT FY 2017	\$ AMOUNT FY 2018	\$ AMOUNT FY 2019	\$ AMOUNT TOTAL	\$ AMOUNT TOTAL
TBD	County Landfill Cell Construction		\$0	\$0	\$0	\$0	\$0	\$0	\$0
SOLID WASTE PROJECT TOTALS			\$0	\$0	\$0	\$0	\$0	\$0	\$0

REVENUE KEY - REVENUE SOURCE	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	TOTAL
LIF - Landfill Tipping Fees *	\$0	\$0	\$0	\$0	\$0	\$0
REVENUE TOTAL	\$0	\$0	\$0	\$0	\$0	\$0

* Pursuant to the Landfill Operating Agreement (LOA) with Waste Management, Inc. of Florida (WMIF), landfill cell construction is scheduled and guaranteed by WMIF over the life of the Collier County Landfill. Collier County landfill expansion costs are paid for by WMIF through agreed upon Collier County landfill tipping fees. By contract under the LOA, WMIF will construct any future required cells. Landfill cells vary in size and disposal capacity.

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.

SOLID WASTE PROJECTS										
CIE #	PROJECT	CONSTRUCTION	\$ AMOUNT FY 2020	\$ AMOUNT FY 2021	\$ AMOUNT FY 2022	\$ AMOUNT FY 2023	\$ AMOUNT FY 2024	\$ AMOUNT TOTAL		
TBD	County Landfill Cell Construction	SCHEDULE NOTES	\$0	\$0	\$0	\$0	\$0	\$0		
SOLID WASTE PROJECT TOTALS			\$0	\$0	\$0	\$0	\$0	\$0		

REVENUE KEY - REVENUE SOURCE	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
LIF - Landfill Tipping Fees *	\$0	\$0	\$0	\$0	\$0	\$0
REVENUE TOTAL	\$0	\$0	\$0	\$0	\$0	\$0

* Pursuant to the Landfill Operating Agreement (LOA) with Waste Management, Inc. of Florida (WMIF), landfill cell construction is scheduled and guaranteed by WMIF over the life of the Collier County Landfill. Collier County landfill expansion costs are paid for by WMIF through agreed upon Collier County landfill tipping fees. By contract under the LOA, WMIF will construct any future required cells. Landfill cells

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.

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COLLIER COUNTY SCHOOL CAPITAL IMPROVEMENT PLAN

CONTENTS

- **SUMMARY OF DISTRICT SCHOOL BOARD OF COLLIER COUNTY CAPITAL IMPROVEMENT PLAN (CIP) FOR FY 2015 – 2019**

Recommendation:

That the BCC include the District School Board of Collier County Capital Improvement Plan for FY 15–34, and the District Facilities Work Program for FY 15–19, by reference with the FY 2014/15 – FY 2018/19 Schedule of Capital Improvement update and amendment.

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5 Year Capital Budget Summary

Project	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	Five Year Total
Capital Construction Program							
Additions Remodeling Renovations							
Immokalee Middle Addition/Renovation	5,420,000						5,420,000
Subtotal Additions Remodeling Renovations	5,420,000						5,420,000
Capital Maintenance/Renovations (see Chapter 6)							
Electrical	851,000	1,310,000	1,425,000	1,234,000	1,985,000	1,985,000	6,805,000
Emergency Maintenance Projects	1,800,000	1,800,000	1,800,000	1,800,000	1,800,000	1,800,000	9,000,000
Facilities Renovation Other	1,755,000	210,000	205,000	50,000	94,000	94,000	2,314,000
Facility Modifications/Special Needs	400,000	400,000	368,000	400,000	400,000	400,000	1,968,000
HVAC	7,905,000	7,770,000	5,780,000	9,635,000	8,175,000	8,175,000	39,265,000
Roofing	3,355,000	587,000	5,181,000	2,950,000	5,458,000	5,458,000	17,531,000
School Maintenance and Renovations	3,953,000	3,816,000	3,319,000	2,888,000	3,315,000	3,315,000	17,291,000
Subtotal Capital Maintenance/Renovations (see Chapter 6)	20,019,000	15,893,000	18,078,000	18,957,000	21,227,000	21,227,000	94,174,000
Subtotal Capital Construction Program	25,439,000	15,893,000	18,078,000	18,957,000	18,957,000	21,227,000	99,594,000
Other Items							
Site Acquisition/Asset Management							
Property Management	60,000	45,000	50,000	50,000	50,000	50,000	255,000
Site Acquisition	65,000	50,000	120,000				235,000
Subtotal Site Acquisition/Asset Management	125,000	95,000	170,000	50,000	50,000	50,000	490,000
Health and Safety							
Fire Safety	713,546	720,681	727,887	735,165	742,516	742,516	3,639,795
Health, Safety, and Security	361,473	368,702	376,076	383,597	391,269	391,269	1,881,117
Security Camera Replacements/Additions	280,908	286,526	292,257	298,102	304,064	304,064	1,461,857
Surveillance/Security Camera Maintenance	140,454	143,263	146,128	149,051	152,032	152,032	730,928

Project	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	Five Year Total
	2015	2016	2017	2018	2019	2019	
Subtotal Health and Safety	1,496,381	1,519,172	1,542,348	1,565,915	1,589,881		7,713,697
Portables							
Portable Leasing	562,885	429,134	442,008	455,268	468,926		2,358,221
Portable Renovation	135,000	135,000	135,000	135,000	135,000		675,000
Portable Setup	269,320	140,000	140,000	140,000	140,000		829,320
Subtotal Portables	967,205	704,134	717,008	730,268	743,926		3,862,541
Technology (*Transfer to General)							
Classroom Technology Equipment *	3,687,000	3,397,000	2,977,000	3,780,000	5,485,000		19,326,000
Enterprise Software/Current Year	2,000,000	2,000,000	2,000,000				6,000,000
Enterprise Software/Prior Year	12,100,000						12,100,000
Technology Infrastructure *	2,863,000	2,863,000	3,233,000	3,673,000	4,208,000		16,860,000
Technology Retrofit *	1,308,470	1,399,098	1,407,099	1,426,154	1,429,446		6,970,267
Subtotal Technology (*Transfer to General)	21,958,470	9,679,098	9,617,099	8,879,154	11,122,446		61,256,267
Equipment and Vehicles (*Transfer to General)							
Districtwide Equipment *	938,695	924,138	938,161	957,172	951,526		4,709,692
Equipment/Portables *	45,000	45,000	45,000	45,000	45,000		225,000
School Buses	5,811,404	2,647,959	5,510,066	9,378,132	9,395,205		32,742,766
Vehicles other than Buses	414,000	414,000	310,000	390,000	315,000		1,843,000
Subtotal Equipment and Vehicles (*Transfer to General)	7,209,099	4,031,097	6,803,227	10,770,304	10,706,731		39,520,458
Planning and Staff Support							
Building & Equipment Maintenance Staff	10,382,768	10,644,664	10,914,400	11,192,218	11,478,390		54,612,440
Facilities Staff	1,303,076	1,338,563	1,375,111	1,412,974	1,451,756		6,881,480
Other Capital Staff	604,011	620,493	637,376	654,686	696,449		3,213,015
Permitting Services	135,000	135,000	135,000	135,000	135,000		675,000
Printing Services	18,000	18,000	18,000	18,000	18,000		90,000
Professional Services Retainer-Engineer/Architect/Other	90,000	90,000	90,000	90,000	90,000		450,000
Site/Facility Testing	45,000	45,000	45,000	45,000	45,000		225,000
Subtotal Planning and Staff Support	12,577,855	12,891,720	13,214,887	13,547,878	13,914,595		66,146,935

Project	FY	FY	FY	FY	FY	FY	FY	Five Year Total
	2014	2015	2016	2017	2018	2019	2019	
Carry Forward/Debt Service/Insurance/Transfer/Contingency								
Carry Forward for Subsequent Years	50,657,931	30,156,831	14,845,470	7,070,519	1,159,076			103,889,827
Charter School Capital Flow Thru	200,000	200,000	200,000	200,000	200,000	200,000		1,000,000
Debt Service	43,840,000	43,885,000	43,934,000	44,050,000	44,027,000	44,027,000		219,736,000
Property Insurance	4,400,000	4,447,000	4,492,000	4,537,000	4,582,000	4,582,000		22,458,000
Reserve for Future Schools/Current Year	32,000,000	20,000,000	20,000,000	15,000,000	15,000,000	15,000,000		102,000,000
Reserve for Future Schools/Prior Years	32,000,000							32,000,000
Self-Insured Retention	15,000,000	15,000,000	15,000,000	15,000,000	15,000,000	15,000,000		75,000,000
Transfer to General Maintenance	3,225,000	3,325,000	3,425,000	3,525,000	3,525,000	3,625,000		17,125,000
Subtotal Carry Forward/Debt Service/Insurance/Transfer/Contingency	181,322,931	117,013,831	101,896,470	89,382,519	83,593,076	83,593,076		573,208,827
Subtotal Other Items	225,556,941	145,934,052	133,961,039	124,926,038	121,720,655	121,720,655		752,198,725
Total Projects	251,095,941	161,827,052	152,039,039	143,883,038	142,947,655	142,947,655		851,792,725

Summary of Estimated Revenue

Estimated Revenue	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	Five Year Total
	2015	2016	2017	2018	2019	2019	
Local Sources							
Impact Fees	9,500,000	9,500,000	9,500,000	9,500,000	9,500,000	9,500,000	47,500,000
Interest Income	500,000	400,000	300,000	300,000	300,000	300,000	1,800,000
Capital Improvement Tax	90,587,402	100,417,121	111,230,208	118,385,568	125,225,136	125,225,136	545,845,435
Beginning Balance	149,556,539	50,657,931	30,155,831	14,845,470	7,070,519	7,070,519	252,387,290
Other	12,000	12,000	12,000	12,000	12,000	12,000	60,000
Subtotal Local Sources	250,255,941	160,987,052	151,199,039	143,043,038	142,107,555	142,107,555	847,592,725
State							
CO & DS	640,000	640,000	640,000	640,000	640,000	640,000	3,200,000
PECO Maint.							
Charter Capital Flow Thru	200,000	200,000	200,000	200,000	200,000	200,000	1,000,000
Subtotal State	840,000	840,000	840,000	840,000	840,000	840,000	4,200,000
Total	251,095,941	161,827,052	152,039,039	143,883,038	142,947,555	142,947,555	851,792,725

Revenue Definitions

Impact Fee – Impact fees are a charge on new development to pay for the construction or expansion of Schools related to growth created by new residential construction. Impact fees are levied against the construction of a dwelling unit at the same time that a permit is issued.

Interest Income – Interest earned on (idle) funds invested by the District in accordance with board policy on investments.

Capital Improvement Tax – Capital improvement tax is an ad-valorem tax authorized by Florida Statute 236.25 and allows School Boards to levy up to 1.5 mills for construction projects, remodeling and renovation, purchase of school buses and other eligible equipment purchases. Our voter approved referendum allowed a reduction of .25 mills in capital millage in exchange for an offsetting increase in operating millage leaving 1.25 mills for capital projects.

Beginning Balance – Beginning balance is the unencumbered and unspent funds available after all accounting records have been closed for a given fiscal year. Some of the beginning fund balance may represent rollover of unspent funds from the prior year for which projects have not yet been completed or encumbered.

Other – Other income represents the refund of fuel taxes and any other miscellaneous revenue that could be received during the year.

Capital Outlay and Debt Service (CO&DS) – are derived from the motor vehicle license tax collected and distributed by the state.

PECO Maintenance – Gross Receipts Utility Taxes are the source of revenues for Public Education Capital Outlay (PECO) funding which is appropriated annually by the legislature.

Charter Capital Flow Thru – State funds that are received on behalf of Charter Schools.

COUNTY PARKS AND RECREATION FACILITIES

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2014 AUIR SUMMARY
COMMUNITY AND REGIONAL PARK LANDS

Facility Type: Community and Regional Park Land (Category A)

Level of Service Standard (LOSS): 1.2 acres per 1,000/population (Community)
2.7 acres per 1,000/population (Regional)

Unit Cost: \$176,906 per acre*

Community Parks: Using the Peak Season population for unincorporated area of the County, the following is set forth:

	<u>Acres</u>	<u>Value</u>
Available Inventory as of 9/30/2014	594.74	\$105,213,074
Required Inventory as of 9/30/2019	484.84 **	\$85,771,105
Proposed AUIR FY 2014/15-2018/19	<u>(47.00) ****</u>	<u>(\$8,314,582)</u>
5-year Surplus or (Deficit)	62.90	\$11,127,387

Regional Parks: Using the Countywide Peak Season population, the following is set forth:

Available Inventory as of 9/30/2014	1,125.51	\$199,109,472
Required Inventory as of 9/30/2019	1,216.85 ***	\$215,268,066
Proposed AUIR FY 2014/15-2018/19	<u>112.00 ****</u>	<u>\$19,813,472</u>
5-year Surplus or (Deficit)	20.66	\$3,654,878

Expenditures

Proposed AUIR FY 14/15-18/19 (value of) Acquisitions	\$10,968,172
Debt Service Payments for 2006/2012 Bonds	<u>\$17,290,478</u>
Total Expenditures	\$28,258,650

Revenues

Impact Fees anticipated	\$32,221,521
Interest/Misc	\$241,800
Grant/Reimbursement	\$65,000
Available Cash for Future Projects/Payment of Debt Service	\$10,396,100
Proposed added value through commitments, leases and governmental transfers	<u>\$0</u>
Total Revenues	\$42,924,421

Surplus or (Deficit) Revenues***** \$14,665,771

Revenues needed to maintain existing LOSS none

Recommendation:

That the BCC approve the proposed Community and Regional Park Lands AUIR and adopt the CIE Update for FY 2014/15- FY 2018/19.

Notes:

* Unit cost value per Impact Fee Update as indexed.

** Peak Season population for the unincorporated area of the County of 404,037 x 0.0012 LOSS
= 484.84 acres

*** Countywide Peak Season population of 450,685 x 0.0027 LOSS = 1,216.85 acres

**** **Proposed AUIR FY 2014/15- FY 2018/19**

FY 2014/15: 62 ac Intragovernmental Transfer Big Corkscrew Island Regional Park

FY 2014/15: 50 ac Intradepartmental Partnership Pepper Ranch

The 47 acres (Randall Curve) is anticipated to transfer next year. Delayed transferring in FY 14 due to interest from other Department's (Transportation) in the County. Will determine if the interest will necessitate a swap with that department for exchange of funds that could be used for park development to benefit the Golden Gate Estate residents.

***** Surplus earmarked for future parks projects, including completion of Big Corkscrew Island Regional Park

2014 AUJR

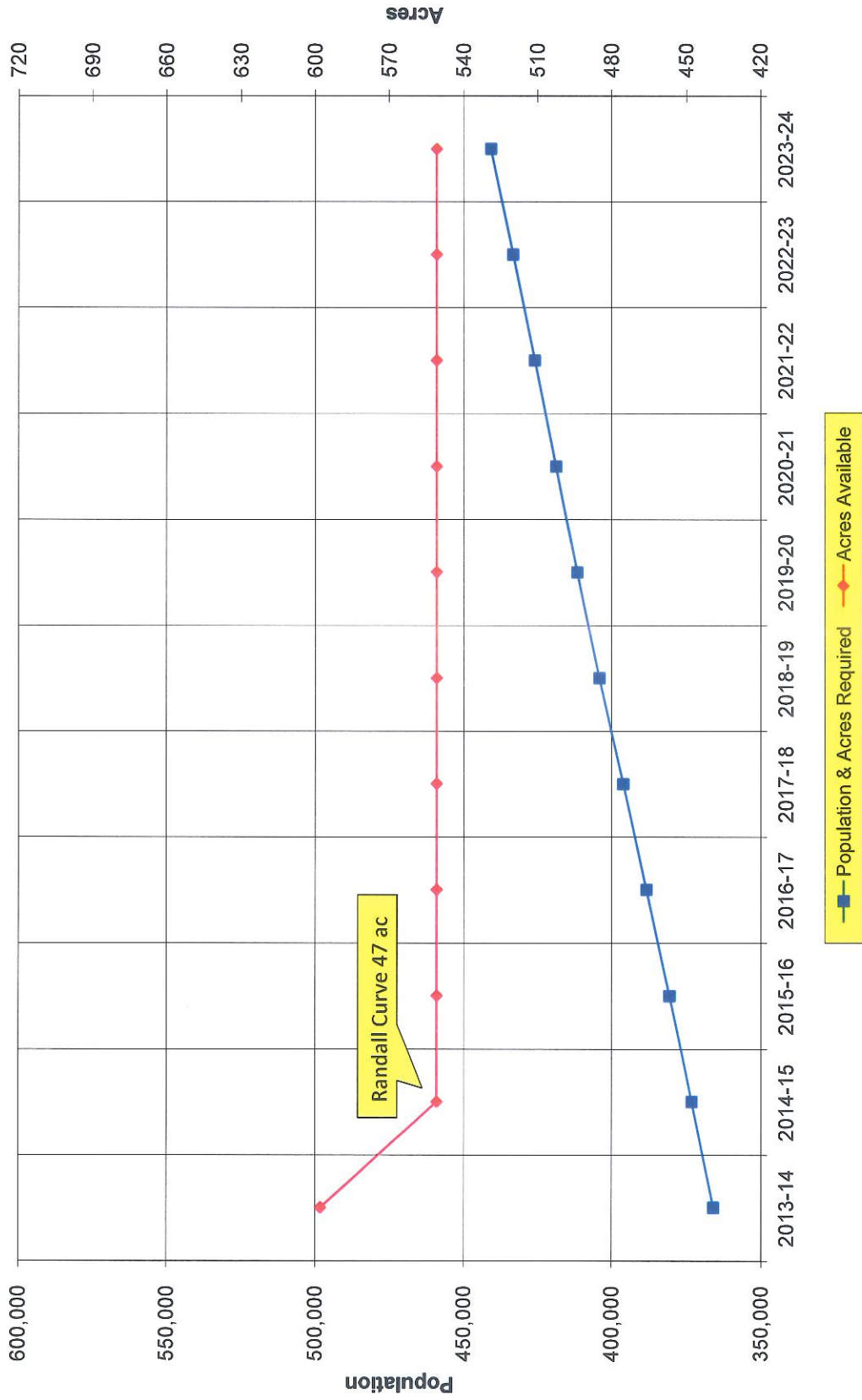
Community Park Acres

LOSS: 1.2 Acres/1000 Population

FISCAL YEAR	POPULATION UNINCORPORATED	PARK ACRES REQUIRED 0.0012000	PARK ACRES PLANNED IN AUJR	PARK ACRES AVAILABLE *	SURPLUS/ (DEFICIENCY)	REQUIRED COST AT	TOTAL VALUE AVAILABLE
2013-14	365,869	439.04		597.74	158.70	\$77,668,810	\$105,743,792
2014-15	373,211	447.85	(47.00)	550.74	102.89	\$79,227,352	\$97,429,210
2015-16	380,695	456.83		550.74	93.91	\$80,815,968	\$97,429,210
2016-17	388,326	465.99		550.74	84.75	\$82,436,427	\$97,429,210
2017-18	396,105	475.33		550.74	75.41	\$84,088,729	\$97,429,210
2018-19	404,037	484.84		550.74	65.90	\$85,771,105	\$97,429,210
1st 5-Year Growth (2015-2019)	38,168	45.80	(47.00)				
2019-20	411,563	493.88		550.74	56.86	\$87,370,335	\$97,429,210
2020-21	418,668	502.40		550.74	48.34	\$88,877,574	\$97,429,210
2021-22	425,893	511.07		550.74	39.67	\$90,411,349	\$97,429,210
2022-23	433,240	519.89		550.74	30.85	\$91,971,660	\$97,429,210
2023-24	440,711	528.85		550.74	21.89	\$93,556,738	\$97,429,210
2nd 5-Year Growth (2020-2024)	36,674	44.01	0.00				
Total 10-Year Growth (2015-2024)	74,842	89.81	(47.00)				

*Note: The 47 acres (Randall Curve) is anticipated to transfer next year. Delayed transferring in FY 14 due to interest from other Department's (Transportation) in the County. Will determine if the interest will necessitate a swap with that department for exchange of funds that could be used for park development to benefit the Golden Gate Estate residents.

2014 AUJR Community Park Acres, LOSS: 1.2 Acres / 1,000 Population



Anticipated Changes in Community Park Land Inventory FY 14/15 to FY 23/24

FY	Action	Acquisition Type	Location	Acres	Value	Cash Expenditure
2014/15	Remove	Land Transfer - Randall Curve		47	\$176,906	
					\$8,314,582	
2015/16			FY 14/15 TOTAL	47	\$8,314,582	\$0
2016/17			FY 15/16 TOTAL	0	\$0	\$0
2017/18			FY 16/17 TOTAL	0	\$0	\$0
2018/19			FY 17/18 TOTAL	0	\$0	\$0
			FY 18/19 TOTAL	0	\$0	\$0
			FY 14/15 TO FY 18/19 FIVE-YEAR SUBTOTAL	47	\$8,314,582	\$0
2019/20					\$0	
2020/21			FY 19/20 TOTAL	0	\$0	\$0
2021/22			FY 20/21 TOTAL	0	\$0	\$0
2022/23			FY 21/22 TOTAL	0	\$0	\$0
2023/24			FY 22/23 TOTAL	0	\$0	\$0
			FY 23/24 TOTAL	0	\$0	\$0
			FY 19/20 TO FY 23/24 FIVE-YEAR SUBTOTAL	0	\$0	\$0
			FY 14/15 TO FY 23/24 TEN-YEAR TOTAL	47	\$8,314,582	\$0

*Note: The 47 acres (Randall Curve) is anticipated to be removed from the Community Park Inventory in 2014-2015 and transferred to another internal department. This acreage is expected to be part of a future land exchange for the Big Corkscrew Island Regional Park acquisition strategy.

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2014 AUIR

Regional Park Land Acres

LOSS: 2.7 Acres / 1000 Population

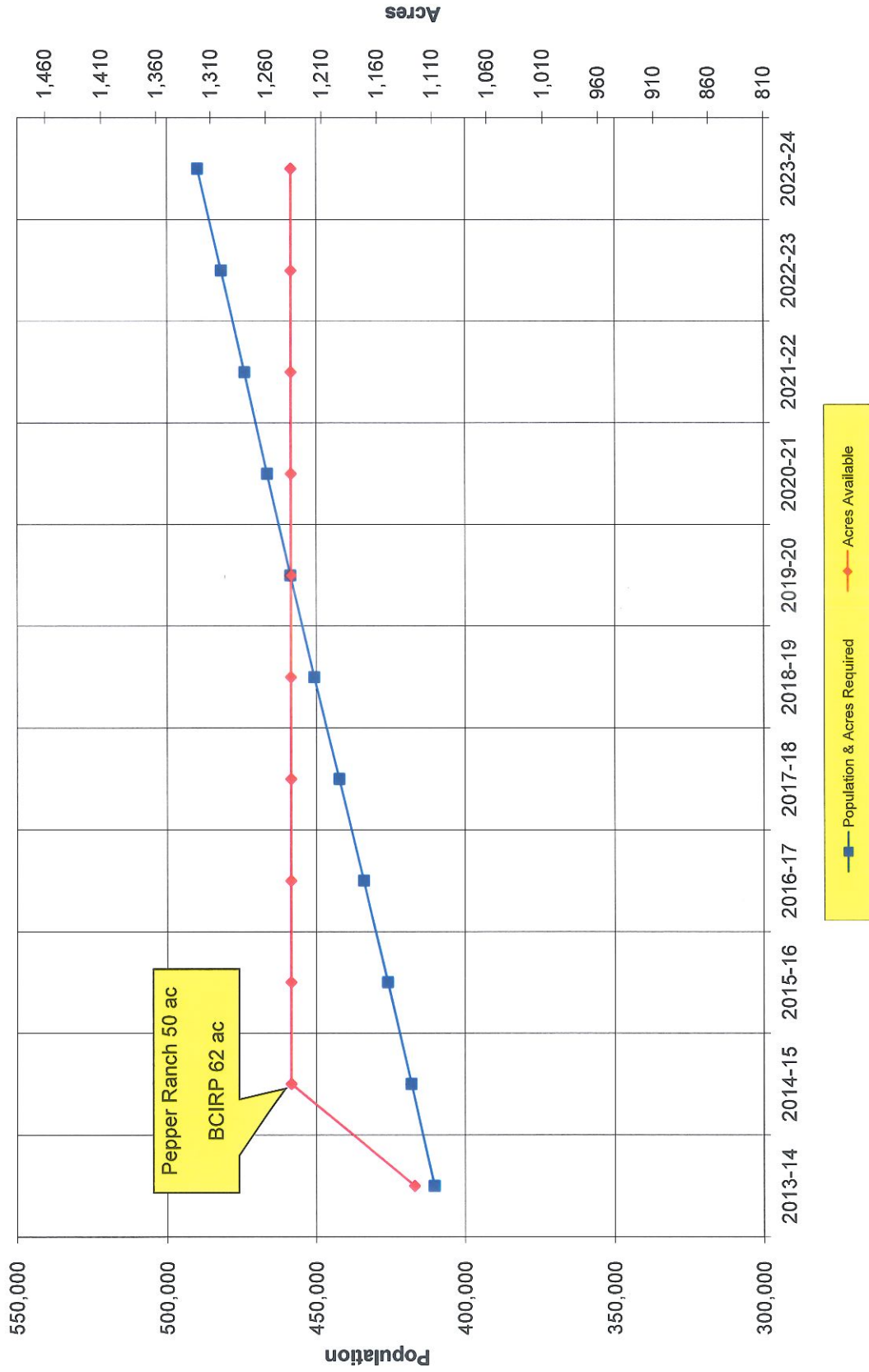
FISCAL YEAR	POPULATION CO-WIDE	FACILITIES REQUIRED 0.0027000	FACILITIES PLANNED IN AUIR	PARK ACRES AVAILABLE*	PARK ACRES SURPLUS/ (DEFICIENCY)	REQUIRED COST AT \$176,906	TOTAL/VALUE AVAILABLE \$176,906
2013-14	410,297	1,107.80	0.00	1,125.51	17.71	\$195,976,467	\$199,109,472
2014-15	418,048	1,128.73	112.00	1,237.51	108.78	\$199,679,109	\$218,922,944
2015-16	425,979	1,150.14	0.00	1,237.51	87.37	\$203,466,667	\$218,922,944
2016-17	434,060	1,171.96	0.00	1,237.51	65.55	\$207,326,756	\$218,922,944
2017-18	442,295	1,194.20	0.00	1,237.51	43.31	\$211,261,145	\$218,922,944
2018-19	450,685	1,216.85	0.00	1,237.51	20.66	\$215,268,066	\$218,922,944
1st 5-Year Growth (2015-2019)	40,388	109.05	112.00				
2019-20	458,670	1,238.41	0.00	1,237.51	(0.90)	\$219,082,159	\$218,922,944
2020-21	466,233	1,258.83	0.00	1,237.51	(21.32)	\$222,694,580	\$218,922,944
2021-22	473,920	1,279.58	0.00	1,237.51	(42.07)	\$226,365,379	\$218,922,944
2022-23	481,734	1,300.68	0.00	1,237.51	(63.17)	\$230,098,096	\$218,922,944
2023-24	489,677	1,322.13	0.00	1,237.51	(84.62)	\$233,892,730	\$218,922,944
2nd 5-Year Growth (2020-2024)	38,992	105.28	0.00				
Total 10-Year Growth (2015-2024)	79,380	214.33	112.00				

Note:

2014-2015: 50 ac Intradepartmental Partnership Pepper Ranch

2014-2015: 62 ac Intragovernmental Transfer Big Corkscrew Island Regional Park

2014 AUJR Regional Park Acres, LOSS: 2.7 Acres/1000 Population



Anticipated Changes in Regional Park Land Inventory FY 14/15 to FY 23/24

FY	Action	Acquisition Type	Location	Acres	Value	Cash Expenditure
2014/15	Add	Intrdepartmental Partnership	Pepper Ranch	50.00	\$176,906	
	Add	Intragovernmental Transfer	Big Corkscrew Island RP	62.00	\$8,845,300	
			FY 14/15 TOTAL	112.00	\$19,813,472	\$0
2015/16					\$0	\$0
			FY 15/16 TOTAL	0.00	\$0	\$0
2016/17					\$0	\$0
			FY 16/17 TOTAL	0.00	\$0	\$0
2017/18					\$0	\$0
			FY 17/18 TOTAL	0.00	\$0	\$0
2018/19					\$0	\$0
			FY 18/19 TOTAL	0.00	\$0	\$0
			FY 14/15 TO FY 18/19 FIVE-YEAR SUBTOTAL	112.00	\$19,813,472	\$0
2019/20				0.00	\$0	\$0
			FY 19/20 TOTAL	0.00	\$0	\$0
2020/21				0.00	\$0	\$0
			FY 20/21 TOTAL	0.00	\$0	\$0
2021/22				0.00	\$0	\$0
			FY 21/22 TOTAL	0.00	\$0	\$0
2022/23				0.00	\$0	\$0
			FY 22/23 TOTAL	0.00	\$0	\$0
2023/24				0.00	\$0	\$0
			FY 23/24 TOTAL	0.00	\$0	\$0
			FY 19/20 TO FY 23/24 FIVE-YEAR SUBTOTAL	0.00	\$0	\$0
			FY 14/15 TO FY 23/24 TEN-YEAR TOTAL	112.00	\$19,813,472	\$0

2014 Collier County Park Land Inventory

Commissioner & District	District	Location	Type	Acreage	Community Park Acres	Regional Park Acres	Regional Park Pathway Acres	Neighborhood Park Acres	Notes
Fiola - 1	Marco	Caxambas Park	Regional	4.20					
Fiola - 1	Marco	Collier Blvd Boating Park	Regional	0.50		0.50			
Fiola - 1	Marco	Goodland Boating Park	Regional	5.00		5.00			
Fiola - 1	Marco	Isle of Capri Land Parcels	Neighborhood	0.11				0.11	
Fiola - 1	Marco	Isles of Capri NP	Neighborhood	0.15				0.15	
Fiola - 1	Marco	Isles of Capri Paddlercraft Park	Regional	9.00		9.00			
Fiola - 1	Marco	Mar Good Harbor Park	Regional	2.50		2.50			
Fiola - 1	Marco	South Marco Beach Access	Regional	5.00		5.00			
Fiola - 1	Marco	Tigerlail Beach Park	Regional	31.60		31.60			
Hiller - 2	North Naples	Barefoot Beach Access	Regional	5.00		5.00			
Hiller - 2	North Naples	Barefoot Beach Preserve	Regional	159.60		159.60			
Hiller - 2	North Naples	Barefoot Beach State Land	Regional	186.00		186.00			
Hiller - 2	North Naples	Cham Pass Park	Regional	35.00		35.00			
Hiller - 2	North Naples	Cocahatchee River Park	Regional	7.20		7.20			
Hiller - 2	North Naples	Conner Park	Regional	5.00		5.00			
Hiller - 2	North Naples	Naples Park Elementary	Community	5.00	5.00				
Hiller - 2	North Naples	North Collier RP	Regional	207.70		207.70			
Hiller - 2	North Naples	North Naples NP (Best Friends-surplus)	Regional	0.50		0.50			
Hiller - 2	North Naples	North Naples NP	Neighborhood	2.00				2.00	
Hiller - 2	North Naples	Oakes NP	Community	3.20	3.20				
Hiller - 2	North Naples	Osceola Elementary	Community	15.00	15.00				
Hiller - 2	North Naples	Palcan Bay CP	Community	0.30				0.30	
Hiller - 2	North Naples	Poinciana NP	Regional	5.00		5.00			
Hiller - 2	North Naples	Vanderbilt Beach	Community	43.64	43.64				
Hiller - 2	North Naples	Veterans Memorial Elementary	Community	4.00	4.00				
Hiller - 2	North Naples	Veterans Memorial Elementary	Community	35.50	35.50				
Hiller - 2	North Naples	Vineyards CP	Neighborhood	1.20				1.20	
Hiller - 2	North Naples	Willoughby Park	Neighborhood	3.20				3.20	
Hiller - 2	North Naples	Aaron Lutz NP	Neighborhood	1.20				1.20	
Hiller - 2	North Naples	Coconut Circle NP	Neighborhood	1.20				1.20	
Hiller - 2	North Naples	Golden Gate	Community	21.00	21.00				
Hiller - 2	North Naples	Golden Gate Community Center	Community	35.00	35.00				
Hiller - 2	North Naples	Golden Gate CP	Community	3.00	3.00				
Hiller - 2	North Naples	Golden Gate Greenway / Pathway	Community	6.70				6.70	
Hiller - 2	North Naples	Golden Gate	Neighborhood	4.80				4.80	
Hiller - 2	North Naples	Rita Eaton NP	Neighborhood	1.34		1.34			
Hiller - 2	North Naples	Bay Street Land Parcels	Regional	6.27		6.27			
Hiller - 2	North Naples	Bayview Park	Community	5.00	5.00				
Hiller - 2	North Naples	Cherry Myself CP	Community	47.00	47.00				
Hiller - 2	North Naples	East Naples CP	Neighborhood	0.30				0.30	
Hiller - 2	North Naples	Naples Manor NP	Regional	120.00		120.00			
Hiller - 2	North Naples	Sudgen RP	Community	32.00	32.00				
Hiller - 2	North Naples	Eagle Lakes CP	Community	60.00	60.00				
Hiller - 2	North Naples	Manatee CP	Community	0.50				0.50	
Hiller - 2	North Naples	Panther NP	Neighborhood	5.55		5.55			
Hiller - 2	North Naples	Port of The Islands	Regional	25.16		25.16			
Hiller - 2	North Naples	Freedom Park	Regional	79.00		79.00			
Hiller - 2	North Naples	Gordon River Greenway Park	Regional	50.00		50.00			
Hiller - 2	North Naples	Naples Zoo	Neighborhood	0.10				0.10	
Hiller - 2	North Naples	Rock Harbor Parcels	Community	19.00	19.00				
Hiller - 2	North Naples	Alport Park	Community	2.30		2.30			
Hiller - 2	North Naples	Ann Oleski Park	Neighborhood	0.50				0.50	
Hiller - 2	North Naples	Dreamland NP - *School fenced in area	Community	2.80	2.80				
Hiller - 2	North Naples	Eden Park Elementary	Community	23.00	23.00				
Hiller - 2	North Naples	Immokalee High School	Community	1.00	1.00				
Hiller - 2	North Naples	Immokalee Sports Complex	Community	14.00	14.00				
Hiller - 2	North Naples	Oil Well Park	Neighborhood	5.50				5.50	
Hiller - 2	North Naples	Immokalee South Park	Community	3.20	3.20				
Hiller - 2	North Naples	Tony Rosbough CP	Community	7.00	7.00				
Hiller - 2	Urban Estates	Big Corkscrew Island RP - Lake	Regional	90.00		90.00			
Hiller - 2	Urban Estates	Corkscrew Elementary/Middle	Community	16.90	16.90				
Hiller - 2	Urban Estates	Livingston Woods NP (surplus)	Neighborhood	20.00				20.00	
Hiller - 2	Urban Estates	Max A. Hasse CP	Community	2.00	2.00				
Hiller - 2	Urban Estates	Palmetto Elementary	Community	47.00	47.00				
Hiller - 2	Urban Estates	Randall Curve Property	Community	37.50				37.50	
Hiller - 2	Urban Estates	Rich King Greenway - (FPL)	Regional	9.50				9.50	
Hiller - 2	Urban Estates	Sabal Palm Elementary	Community	120.00	120.00				
Hiller - 2	Urban Estates	Vanderbilt Extension CP	Community	1,707.22	1,707.22				
		Total Collier Units			694.74	1,048.42	37.50	26.56	

2014 Collier County Park Land Inventory

District	Location	Type	Acreage	Community Park Acres	Regional Park Acres	Regional Park Pathway Acres	Neighborhood Park Acres
City of Naples	Beach Accesses	Regional	0.50		0.50		
City of Naples	Naples Landings	Regional	3.81		3.81		
City of Naples	Fleischmann Park	Community	25.26				
City of Naples	Gambler Park	Community	12.84				
City of Naples	Pulling Park	Regional	15.20		15.20		
City of Naples	Lowdermilk Park	Regional	10.30		10.30		
City of Naples	River Park CC	Community	1.61				
City of Naples	Naples Preserve	Regional	9.78		9.78		
City of Naples	Anthony Park	Neighborhood	7.00				
	Total Naples Units		86.30		39.59		
City of Marco Island	Jane Hillier	Neighborhood	0.25				
City of Marco Island	Veterans Memorial	Neighborhood	0.25				
City of Marco Island	Leigh Plummer	Neighborhood	3.50				
City of Marco Island	Racquet Center	Community	2.97				
City of Marco Island	Frank Mackle	Community	30.00				
City of Marco Island	Winterberry	Neighborhood	5.00				
	Total Marco Units		41.97				
Everglades City	Community Park	Community	0.86				
Everglades City	McLeod Park	Community	1.04				
	Total Everglades Units		1.90				
	Total Units		1,837.39	594.74	1,125.51		26.56

Totals	Acreage	Community Park Acres	Regional Park Acres	Neighborhood Park Acres
Value per Unit	\$176,906			
Total Value	\$325,045,315	\$105,213,074.44	\$199,109,472.06	\$4,698,623.36

Note: Only acreage within municipalities that have regional park type designations are inventoried for purposes of the AUJR

Notes: Inmatealee South Park changed from a Neighborhood Park to a Community Park

Summary of Changes in Parks and Recreation Inventory FY 13 to FY 14

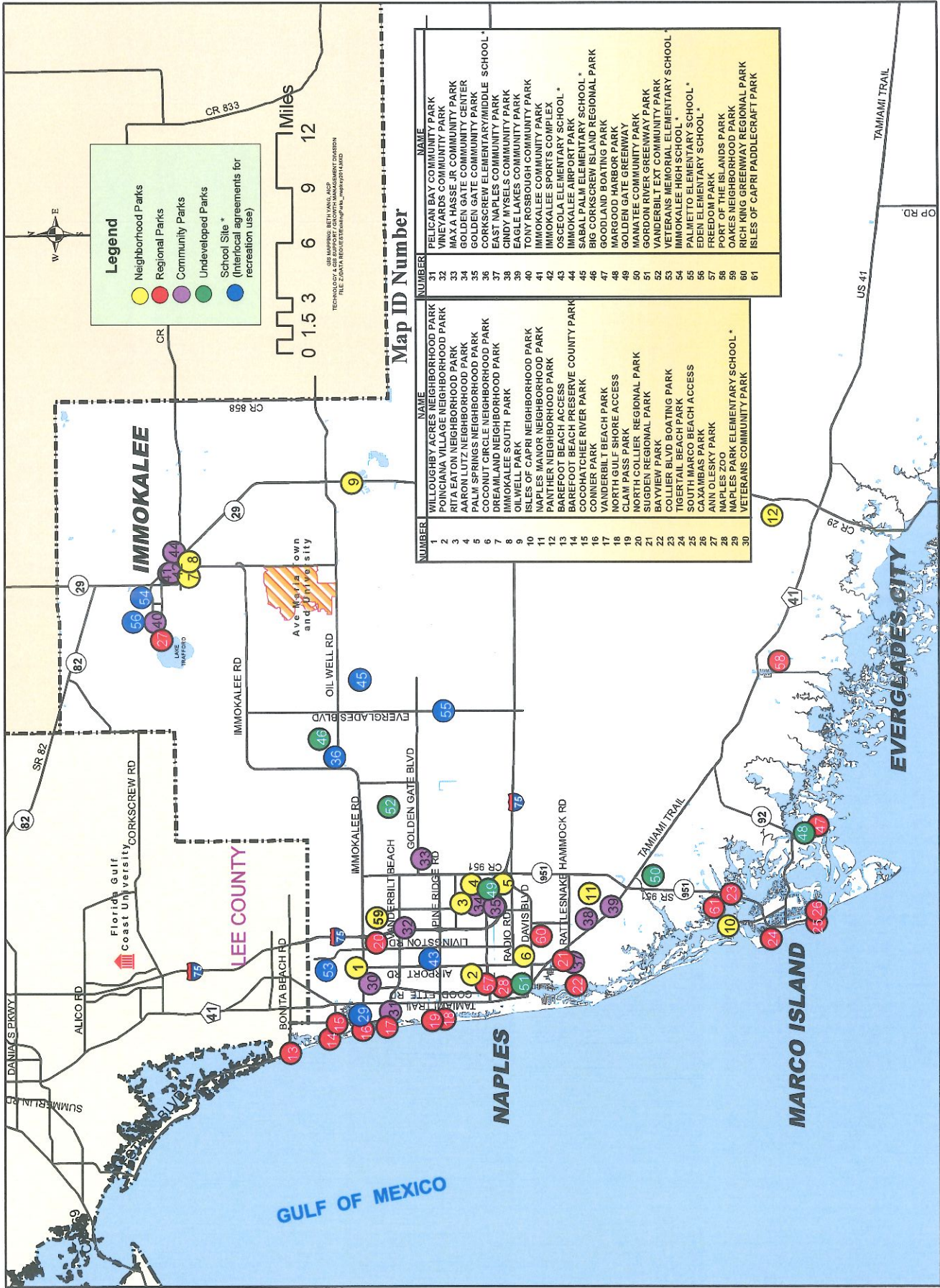
Community Park Land Changes

Action	Location	Acres	Explanation
Added	Immokalee South Park	3.2	Park was upgraded from a Neighborhood Park to a Community Park with the addition of a Community Center
NET CHANGE TO COMMUNITY PARK ACREAGE		3.2	

Regional Park Land Changes

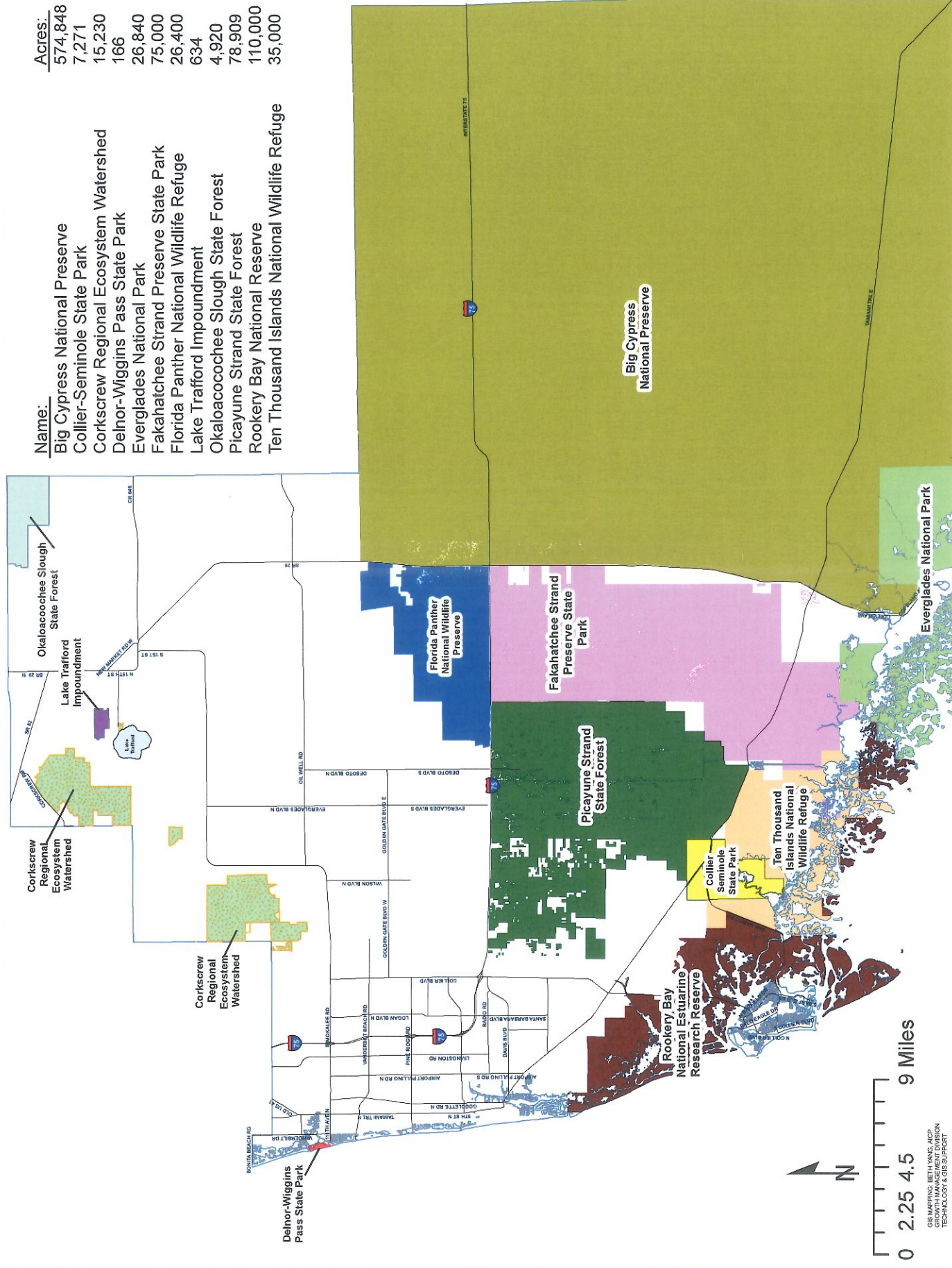
Action	Location	Acres	Explanation
NET CHANGE TO REGIONAL PARK ACREAGE		0	

2014 PARKS INVENTORY



NUMBER	NAME	NUMBER	NAME
1	WILLOUGHBY ACRES NEIGHBORHOOD PARK	31	PELICAN BAY COMMUNITY PARK
2	POINCIANA VILLAGE NEIGHBORHOOD PARK	32	VINEYARDS COMMUNITY PARK
3	RITA EATON NEIGHBORHOOD PARK	33	MAX A HASSE JR COMMUNITY CENTER
4	AARON LUTZ NEIGHBORHOOD PARK	34	GOLDEN GATE COMMUNITY CENTER
5	PALM SPRINGS NEIGHBORHOOD PARK	35	GOLDEN GATE COMMUNITY PARK
6	COCONUT CIRCLE NEIGHBORHOOD PARK	36	CORKSCREW ELEMENTARY/MIDDLE SCHOOL
7	DREAMLAND NEIGHBORHOOD PARK	37	CORKSCREW ELEMENTARY PARK
8	IMMOKALEE SOUTH PARK	38	EAGLE LAKE COMMUNITY PARK
9	IMMOKALEE NORTH PARK	39	EAGLE LAKES COMMUNITY PARK
10	ISLES OF CAPRI NEIGHBORHOOD PARK	40	TONY ROSBOUGH COMMUNITY PARK
11	NAPLES MANOR NEIGHBORHOOD PARK	41	IMMOKALEE COMMUNITY PARK
12	PANTHER NEIGHBORHOOD PARK	42	IMMOKALEE SPORTS COMPLEX
13	BARFOOT BEACH ACCESS	43	OSCEOLA ELEMENTARY SCHOOL *
14	BARFOOT BEACH PRESERVE COUNTY PARK	44	IMMOKALEE AIRPORT PARK
15	COCOHATCHEE RIVER PARK	45	SABAL PALM ELEMENTARY SCHOOL *
16	CONNOR PARK	46	BIG CORKSCREW ISLAND REGIONAL PARK
17	VANDERBILT BEACH PARK	47	GOODLAND BOATING PARK
18	NORTH GULF SHORE ACCESS	48	MARGOOD HARBOR PARK
19	CLAM PASS PARK	49	GOLDEN GATE GREENWAY
20	NORTH COLLIER REGIONAL PARK	50	MANATEE COMMUNITY PARK
21	SUGDEN REGIONAL PARK	51	GORDON RIVER GREENWAY PARK
22	BAYVIEW PARK	52	VANDERBILT COMMUNITY PARK
23	COLLIER BLVD BOATING PARK	53	VETERANS ELEMENTARY SCHOOL
24	TIGER HAWK BEACH PARK	54	IMMOKALEE HIGH SCHOOL
25	STONEY HILL BEACH ACCESS	55	PALMETTO ELEMENTARY SCHOOL *
26	CAXAMBAS PARK	56	EDEN ELEMENTARY SCHOOL *
27	ANN OLESKY PARK	57	FREEDOM PARK
28	NAPLES ZOO	58	PORT OF THE ISLANDS PARK
29	NAPLES PARK ELEMENTARY SCHOOL *	59	OAKES NEIGHBORHOOD PARK
30	VETERANS COMMUNITY PARK	60	RICH KING GREENWAY REGIONAL PARK
		61	ISLES OF CAPRI PADDLECRAFT PARK

FEDERAL AND STATE OWNED PARK LAND



CAPITAL IMPROVEMENT ELEMENT (CIE) AMENDMENT SUBMITTALS FOR CATEGORY “A” FACILITIES

CONTENTS

- **EXHIBIT “A”, SCHEDULE OF CAPITAL IMPROVEMENTS FOR FISCAL YEARS 2015 – 2019**
- **APPENDIX “H”, SCHEDULE OF CAPITAL IMPROVEMENTS FOR FISCAL YEARS 2020 – 2024**

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EXHIBIT "A"
COLLIER COUNTY SCHEDULE OF CAPITAL IMPROVEMENTS
FISCAL YEARS 2015-2019

Schedule of Capital Improvements Tables: 2014 Amendments

ARTERIAL & COLLECTOR ROADS AND BRIDGE PROJECTS		CAPITAL IMPROVEMENT	\$ AMOUNT	\$ AMOUNT	\$ AMOUNT	\$ AMOUNT	\$ AMOUNT	\$ AMOUNT	\$ AMOUNT	\$ AMOUNT	\$ AMOUNT	\$ AMOUNT
PROJECT No.	PROJECT	SCHEDULE NOTES	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2019	FY 2019	FY 2019	FY 2019	TOTAL
60101	County Barn Rd/Davis - CR 864	Construction	\$2,500,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,500,000
60040	Golden Gate Blvd - Phase 1 E to end of Phase 2	D 15, R/C 15-16	\$18,991,000	\$3,550,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$22,541,000
60040B	Golden Gate Blvd - W of Wilson E to end of Phase 1	A/D/R 17-19	\$0	\$0	\$4,091,000	\$5,430,000	\$6,282,000	\$6,282,000	\$0	\$0	\$0	\$15,813,000
68056	Collier Blvd - Golden Gate Blvd to Green Blvd	Construction	\$16,183,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,183,000
60116	US 41/SR 951 Intersection Improvements/Resurfacing	Right-of-Way Acquisition	\$4,773,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,773,000
61001	Tree Farm/Woodcrest	Construction	\$900,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$900,000
TBD	8th, 16th and 47th Bridges	Design 15, Construction 17	\$1,362,000	\$0	\$8,188,000	\$0	\$0	\$0	\$0	\$0	\$0	\$9,550,000
	Contingency		\$1,786,000	\$408,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$5,194,000
Sbtl	Operations Improvements/Programs		\$12,846,000	\$16,200,000	\$15,400,000	\$15,400,000	\$14,900,000	\$14,900,000	\$14,900,000	\$14,900,000	\$14,900,000	\$74,746,000
60003	Collector Rds / Minor Arterial Rds		\$1,310,000	\$1,450,000	\$1,450,000	\$450,000	\$450,000	\$450,000	\$450,000	\$450,000	\$450,000	\$5,110,000
60171	Multi Project		\$0	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$200,000
	Transfers to Other Funds (312)		\$2,835,000	\$3,000,000	\$3,000,000	\$3,000,000	\$3,000,000	\$3,000,000	\$3,000,000	\$3,000,000	\$3,000,000	\$14,835,000
	Impact Fee Refunds		\$0	\$400,000	\$400,000	\$400,000	\$400,000	\$400,000	\$400,000	\$400,000	\$400,000	\$1,600,000
	Debt Service Payments		\$13,142,000	\$13,142,000	\$13,134,000	\$13,136,000	\$13,132,000	\$13,132,000	\$13,132,000	\$13,132,000	\$13,132,000	\$65,686,000
	ARTERIAL & COLLECTOR ROADS AND BRIDGE PROJECT TOTALS		\$78,628,000	\$38,200,000	\$46,713,000	\$38,866,000	\$39,224,000	\$39,224,000	\$39,224,000	\$39,224,000	\$39,224,000	\$241,631,000
REVENUE KEY - REVENUE SOURCE												
IF - Impact Fees / COA Revenue			\$8,000,000	\$6,500,000	\$6,825,000	\$7,166,000	\$7,524,000	\$7,524,000	\$7,524,000	\$7,524,000	\$7,524,000	\$36,015,000
GA - Gas Tax Revenue			\$18,300,000	\$18,300,000	\$18,300,000	\$18,300,000	\$18,300,000	\$18,300,000	\$18,300,000	\$18,300,000	\$18,300,000	\$91,500,000
GR - Grants / Reimbursements			\$12,057,000	\$0	\$8,188,000	\$0	\$0	\$0	\$0	\$0	\$0	\$20,245,000
CF - Available Cash for Future Projects/Payment of Debt Service			\$26,442,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$26,442,000
GF - General Fund			\$13,360,000	\$13,000,000	\$13,000,000	\$13,000,000	\$13,000,000	\$13,000,000	\$13,000,000	\$13,000,000	\$13,000,000	\$65,360,000
IN - Interest Revenue - Fund 313 Gas Tax & Impact Fees			\$286,000	\$400,000	\$400,000	\$400,000	\$400,000	\$400,000	\$400,000	\$400,000	\$400,000	\$1,886,000
ARF - Additional Role Forward			\$1,500,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,500,000
RR - Revenue Reduction <i>(less 5% required by law)</i>			(\$1,317,000)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$1,317,000)
REVENUE TOTAL			\$78,628,000	\$38,200,000	\$46,713,000	\$38,866,000	\$39,224,000	\$39,224,000	\$39,224,000	\$39,224,000	\$39,224,000	\$241,631,000
CUMMULATIVE FOR FY19 CAPITAL FUNDING												
			\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

EXHIBIT "A"
COLLIER COUNTY SCHEDULE OF CAPITAL IMPROVEMENTS
 FISCAL YEARS 2015-2019

PARKS & RECREATION FACILITIES PROJECTS								
PROJECT No.	PROJECT	CAPITAL IMPROVEMENT	\$ VALUE	\$ VALUE	\$ VALUE	\$ VALUE	\$ VALUE	\$ VALUE
			FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	TOTAL
TBD	Randall Curve Park	SCHEDULE NOTES 47.0 ac. Intra departmental Transfer	\$8,314,582	\$0	\$0	\$0	\$0	(\$8,314,582)
80002-14	Big Corkscrew Island Regional Park	62.0 ac. Interdepartmental Transfer	\$10,968,172	\$0	\$0	\$0	\$0	\$10,968,172
800012-15B	Pepper Ranch (active recreation facility w/ trailhead)	50.0 ac. Interdepartmental Partnership	\$8,845,300	\$0	\$0	\$0	\$0	\$8,845,300
	Debt Service Payments (2006/2012 Bonds)		\$2,929,900	\$2,937,030	\$2,940,566	\$2,940,955	\$5,542,027	\$17,290,478
	PARKS & RECREATION FACILITIES		\$14,428,790	\$2,937,030	\$2,940,566	\$2,940,955	\$5,542,027	\$37,103,950
	PROJECT TOTALS							

REVENUE KEY - REVENUE SOURCE								
		FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	TOTAL	
IF - Impact Fees / COA Revenue		\$6,110,000	\$6,319,833	\$6,441,963	\$6,566,435	\$6,783,290	\$32,221,521	
DIF - Deferred Impact Fees		\$0	\$0	\$0	\$0	\$0	\$0	
GR - Grants / Reimbursements		\$65,000	\$0	\$0	\$0	\$0	\$65,000	
IN - Interest / Misc.		\$39,500	\$50,250	\$50,250	\$50,250	\$50,250	\$240,500	
RR - Revenue Reduction (less 5% required by law)		\$0	\$0	\$0	\$0	\$0	\$0	
CF - Available Cash for Future Projects/Payment of Debt Service		\$10,396,100	\$0	\$0	\$0	\$0	\$10,396,100	
TR - Added Value through Commitments, Leases & Transfers		\$0	\$0	\$0	\$0	\$0	\$0	
GF - General Fund		\$0	\$0	\$0	\$0	\$0	\$0	
REVENUE TOTAL		\$16,610,600	\$6,370,083	\$6,492,213	\$6,616,685	\$6,833,540	\$42,923,121	

NOTE: All Community Park Land and Regional Park Land transactions are being facilitated through interdepartmental transfers exchanging land holdings for park lands, or using other methods not involving expenditure of capital funds. These transactions represent changes to the value of land holdings only.

EXHIBIT "A"
COLLIER COUNTY SCHEDULE OF CAPITAL IMPROVEMENTS
 FISCAL YEARS 2015-2019

STORMWATER MANAGEMENT SYSTEM PROJECTS								
PROJECT No.	PROJECT	CAPITAL IMPROVEMENT	\$ AMOUNT	\$ AMOUNT	\$ AMOUNT	\$ AMOUNT	\$ AMOUNT	\$ AMOUNT
			FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	TOTAL
		SCHEDULE NOTES						
51018	Freedom Park (Gordon River) Freedom Park (Gordon River)	16-19 WQ Monitoring & Exotic Veg.	\$0	\$25,000	\$25,000	\$25,000	\$25,000	\$100,000
51101	Lely Area (LASIF)	15-16 D/C/R	\$3,305,000	\$536,000	\$0	\$0	\$0	\$3,841,000
51144	Stormwater Feasibility & Preliminary Design		\$210,000	\$300,000	\$300,000	\$300,000	\$300,000	\$1,410,000
60121	NPDES MS4 Program		\$0	\$150,000	\$150,000	\$150,000	\$150,000	\$600,000
	Replacement & Rehabilitation Projects		\$1,170,000	\$4,490,000	\$5,227,000	\$5,430,000	\$5,640,000	\$21,957,000
	STORMWATER MANAGEMENT SYSTEM PROJECT TOTALS		\$4,685,000	\$5,501,000	\$5,702,000	\$5,905,000	\$6,115,000	\$27,908,000
	Stormwater Management Operating		\$1,120,000	\$1,120,000	\$1,120,000	\$1,120,000	\$1,120,000	\$5,600,000
	Debt Service / Reserves		\$35,000	\$35,000	\$35,000	\$35,000	\$35,000	\$175,000
	Total		\$5,840,000	\$6,656,000	\$6,857,000	\$7,060,000	\$7,270,000	\$33,683,000

REVENUE KEY - REVENUE SOURCE								
		FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	TOTAL	
GR - Grants / Reimbursements		\$0	\$0	\$0	\$0	\$0	\$0	
CF - Available Cash for Future Projects/Payment of Debt Service		\$130,000	\$0	\$0	\$0	\$0	\$130,000	
RR - Revenue Reduction (less 5% required by law)		(\$2,000)	(\$2,000)	(\$2,000)	(\$2,000)	(\$2,000)	(\$10,000)	
IN - Interest Revenue - misc.		\$35,000	\$35,000	\$35,000	\$35,000	\$35,000	\$175,000	
MSTD - General Fund		\$1,050,000	\$1,550,000	\$1,700,000	\$2,350,000	\$3,240,000	\$9,890,000	
GF - General Fund		\$4,627,000	\$5,073,000	\$5,124,000	\$4,577,000	\$3,997,000	\$23,498,000	
REVENUE TOTAL		\$5,840,000	\$6,656,000	\$6,857,000	\$7,060,000	\$7,270,000	\$33,683,000	

EXHIBIT "A"
COLLIER COUNTY SCHEDULE OF CAPITAL IMPROVEMENTS
 FISCAL YEARS 2015-2019

PROJECT No.	PROJECT	CAPITAL IMPROVEMENT SCHEDULE NOTES	\$ AMOUNT					\$ AMOUNT	
			FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2019	TOTAL
	Debt Service		\$10,613,000	\$9,512,000	\$9,315,000	\$9,316,000	\$8,872,000	\$47,628,000	
	Expansion Related Projects		\$0	\$0	\$0	\$0	\$0	\$0	
	Replacement & Rehabilitation Projects		\$18,550,000	\$14,400,000	\$14,400,000	\$14,550,000	\$14,550,000	\$76,450,000	
	Departmental Capital		\$684,500	\$550,000	\$560,000	\$538,000	\$637,000	\$2,869,500	
	Reserves for Contingencies - Replacement & Rehabilitation Projects		\$1,865,000	\$1,440,000	\$1,440,000	\$1,455,000	\$1,455,000	\$7,645,000	
	POTABLE WATER SYSTEM PROJECT TOTALS		\$31,702,500	\$25,902,000	\$25,715,000	\$25,859,000	\$25,414,000	\$134,592,500	

REVENUE KEY - REVENUE SOURCE		FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	TOTAL
WIF - Water System Development Fees / Impact Fees		\$6,000,000	\$5,400,000	\$5,600,000	\$5,700,000	\$5,900,000	\$28,600,000
RR - Reserve Reduction (less 5% required by law)		\$0	\$0	\$0	\$0	\$0	\$0
B - Bonds		\$0	\$0	\$0	\$0	\$0	\$0
LOC - Commercial Paper		\$0	\$0	\$0	\$0	\$0	\$0
SRF - State Revolving Fund Loans		\$0	\$0	\$0	\$0	\$0	\$0
WCA - Water Capital Account		\$684,500	\$550,000	\$560,000	\$538,000	\$637,000	\$2,869,500
REV - Rate Revenue		\$25,018,000	\$19,952,000	\$19,555,000	\$19,621,000	\$18,977,000	\$103,123,000
REVENUE TOTAL		\$31,702,500	\$25,902,000	\$25,715,000	\$25,859,000	\$25,414,000	\$134,592,500

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.

DATA SOURCES:
 - Expansion Related and Replacement & Rehabilitation Projects:
 FY 2015 is obtained from the 2015 Proposed Budget.
 FY 2016 to FY 2019 are obtained from 2014 Proposed Master Plan and 2014 Board Approved User Rate Study.
 - Department Capital:
 FY 2015 is obtained from the 2015 Proposed Budget, split 50/50 between Water and Wastewater.
 FY 2016 to FY 2019 is obtained from the 2014 User Rate Study.
 - Debt Service:
 FY 2015-19 reflect the partial refunding of the CCWSD Water and Sewer Revenue Bonds, Series 2006 and the final amendments for SRF Loans DW111 030 and DW111 040. Total Debt Service amount is split 50/50 between Water and Wastewater.
 - Reserve for Contingencies - Replacement and Rehabilitation Projects:
 As per Florida Statutes, contingency reserves are up to 10% of expenses.

EXHIBIT "A"
COLLIER COUNTY SCHEDULE OF CAPITAL IMPROVEMENTS
 FISCAL YEARS 2015-2019

SOLID WASTE DISPOSAL FACILITIES PROJECTS									
PROJECT No.	PROJECT	NOTES	CAPITAL IMPROVEMENT	\$ AMOUNT	\$ AMOUNT	\$ AMOUNT	\$ AMOUNT	\$ AMOUNT	\$ AMOUNT
TBD	County Landfill Cell Construction		SCHEDULE NOTES	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	TOTAL
				\$0	\$0	\$0	\$0	\$0	\$0
	SOLID WASTE DISPOSAL FACILITIES PROJECT TOTALS			\$0	\$0	\$0	\$0	\$0	\$0

REVENUE KEY - REVENUE SOURCE	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	TOTAL
LTF - Landfill Tipping Fees	\$0	\$0	\$0	\$0	\$0	\$0
REVENUE TOTAL	\$0	\$0	\$0	\$0	\$0	\$0

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.

* Pursuant to the Landfill Operating Agreement (LOA) with Waste Management, Inc. of Florida (WMIF), landfill cell construction is scheduled and guaranteed by WMIF over the life of the Collier County Landfill. Collier County landfill expansion costs are paid for by WMIF through agreed upon Collier County landfill tipping fees. By contract under the LOA, WMIF will construct any future required cells. Landfill cells vary in size and disposal capacity.

EXHIBIT "A"
COLLIER COUNTY SCHEDULE OF CAPITAL IMPROVEMENTS
 FISCAL YEARS 2015-2019

PROJECT No.	PROJECT	WASTEWATER COLLECTION & TREATMENT SYSTEM PROJECTS					
		CAPITAL IMPROVEMENT		\$ AMOUNT		\$ AMOUNT	
	SCHEDULE NOTES	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	TOTAL
	Debt Service (CAFR)	\$10,613,000	\$9,512,000	\$9,315,000	\$9,316,000	\$8,872,000	\$47,628,000
	Expansion Related Projects	\$0	\$0	\$0	\$0	\$0	\$0
	Replacement & Rehabilitation Projects	\$29,150,000	\$25,710,000	\$33,826,000	\$31,060,000	\$32,810,000	\$152,556,000
	Departmental Capital	\$684,500	\$766,000	\$595,000	\$593,000	\$594,000	\$3,232,500
	Reserve for Contingencies - Replacement & Rehabilitation Projects	\$2,915,000	\$2,571,000	\$3,382,600	\$3,106,000	\$3,281,000	\$15,258,600
	WASTEWATER COLLECTION & TREATMENT SYSTEM PROJECT TOTAL	\$43,362,500	\$38,559,000	\$47,118,600	\$44,075,000	\$45,557,000	\$218,672,100

REVENUE KEY - REVENUE SOURCE		FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	TOTAL
SIF - Wastewater System Development Fees / Impact Fees		\$6,000,000	\$5,400,000	\$5,500,000	\$5,700,000	\$5,800,000	\$28,400,000
RR - Reserve Reduction (less 5% required by law)		\$0	\$0	\$0	\$0	\$0	\$0
B - Bonds		\$0	\$0	\$0	\$0	\$0	\$0
SRE - 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		\$684,500	\$766,000	\$595,000	\$593,000	\$594,000	\$3,232,500
REV - Rate Revenue		\$36,678,000	\$32,393,000	\$41,023,600	\$37,782,000	\$39,163,000	\$187,039,600
REVENUE TOTAL		\$43,362,500	\$38,559,000	\$47,118,600	\$44,075,000	\$45,557,000	\$218,672,100

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.

DATA SOURCES:
 - Expansion Related and Replacement & Rehabilitation Projects:
 FY 2015 is obtained from the 2015 Proposed Budget.
 FY 2016 to FY 2019 are obtained from 2014 Proposed Master Plan and 2014 Board Approved User Rate Study.
 - Department Capital:
 FY 2015 is obtained from the 2015 Proposed Budget, split 50/50 between Water and Wastewater.
 FY 2016 to FY 2019 is obtained from the 2014 User Rate Study.
 - Debt Service:
 FY 2015-19 reflect the partial refunding of the CCWSD Water and Sewer Revenue Bonds, Series 2006 and the final amendments for SRF Loans DW1111 030 and DW1111 040. Total Debt Service amount is split 50/50 between Water and Wastewater.
 - Reserve for Contingencies - Replacement and Rehabilitation Projects:
 As per Florida Statutes, reserve for contingencies are up to 10% of expenses.

EXHIBIT "A"
COLLIER COUNTY SCHEDULE OF CAPITAL IMPROVEMENTS
COST AND REVENUE SUMMARY TABLE
FISCAL YEARS 2015-2019

The table below itemizes the types of public facilities and the sources of revenue. The "Revenue Amount" column contains the 5-Year amount of facility revenues. The right column is a calculation of expenses versus revenues for each type of public facility. All deficits are accumulated as a subtotal. The subtotal deficit is the source of additional revenue utilized by Collier County to fund the deficit in order to maintain the levels of service standards as referenced in the Capital Improvement Element.

Projects	Revenue Sources	Expenditure	Revenue Amount	Total
ARTERIAL & COLLECTOR ROADS AND BRIDGE PROJECTS				
Revenues:	IF - Impact Fees / COA Revenue		\$38,015,000	
	GA - Gas Tax Revenue		\$91,500,000	
	GR - Grants / Reimbursements		\$20,245,000	
	CF - Available Cash for Future Projects/Payment of Debt Service		\$26,442,000	
	TR - Transfers		\$65,360,000	
	GF - General Fund		\$1,886,000	
	ARF - Additional Roll Forward		\$1,500,000	
	IN - Interest Revenue - Impact Fees		-\$1,317,000	\$241,631,000
Less Expenditures:		\$241,631,000		<u>\$241,631,000</u>
			Balance	<u>\$0</u>
POTABLE WATER SYSTEM PROJECTS				
Revenues:	WIF - Water System Development Fees/Impact Fees		\$28,600,000	
	RR - Revenue Reduction (less 5% required by law)		\$0	
	B - Bonds		\$0	
	LOC - Commercial Paper 1		\$0	
	SRF - State Revolving Fund Loans		\$0	
	WCA - Water Capital Account		\$2,869,500	
	REV - Rate Revenue		\$95,478,000	\$126,947,500
Less Expenditures:		\$126,947,500		<u>\$126,947,500</u>
			Balance	<u>\$0</u>
WASTEWATER COLLECTION & TREATMENT SYSTEM PROJECTS				
Revenues:	SIF - Wastewater System Development Fees/Impact Fees		\$28,400,000	
	RR - Revenue Reduction (less 5% required by law)		\$0	
	B - Bonds		\$0	
	SRF - State Revolving Fund Loans		\$0	
	LOC - Commercial Paper, Additional Senior Lien		\$0	
	SCA - Wastewater Capital Account, Transfers		\$3,232,500	
	REV - Rate Revenue		\$171,784,000	\$203,416,500
Less Expenditures:		\$203,416,500		<u>\$203,416,500</u>
			Balance	<u>\$0</u>
SOLID WASTE DISPOSAL FACILITIES PROJECTS				
Revenues:	LTF - Landfill Tipping Fees		\$0	\$0
Less Expenditures:		\$0		<u>\$0</u>
			Balance	<u>\$0</u>
PARKS & RECREATION FACILITIES PROJECTS				
Revenues:	IF - Impact Fees		\$32,221,521	
	DIF - Deferred Impact Fees		\$0	
	GR - Grants / Reimbursements		\$65,000	
	IN - Interest		\$241,800	
	RR - Revenue Reduction (less 5% required by law)		\$0	
	CF - Available Cash for Future Projects/Payment of Debt Service		\$10,396,100	
	TR - Added Value through Commitments, Leases & Transfers		\$0	
	GF - General Fund		\$0	\$42,924,421
Less Expenditures:		\$28,258,650		<u>\$42,924,421</u>
			Balance	<u>\$14,665,771</u>
STORMWATER MANAGEMENT SYSTEM PROJECTS				
Revenues:	GR - Grants / Reimbursements		\$0	
	CF - Available Cash for Future Projects/Payment of Debt Service		\$130,000	
	IN - Interest Revenue		\$175,000	
	RR - Revenue Reduction (less 5% required by law)		(\$10,000)	
	MSTD - General Fund		\$9,890,000	
	GF - General Fund		\$23,498,000	\$33,683,000
Less Expenditures:		\$33,683,000		<u>\$33,683,000</u>
			Balance	<u>\$0</u>
TOTAL PROJECTS		\$633,936,650	TOTAL REVENUE SOURCES	\$648,602,421

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APPENDIX H
FUTURE COSTS AND REVENUES BY TYPE OF PUBLIC FACILITY
FISCAL YEARS 2020-2024

ARTERIAL AND COLLECTOR ROAD PROJECTS		CAPITAL IMPROVEMENT					\$ AMOUNT				
PROJECT No.	PROJECT SCHEDULE NOTES	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL				
	PROJECT Contingency	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$5,000,000				
Sbtl	Operations Improvements/Programs	\$15,100,000	\$15,100,000	\$15,100,000	\$15,100,000	\$15,100,000	\$75,500,000				
Sbtl	Transfers to Other Funds (312)	\$3,000,000	\$3,000,000	\$3,000,000	\$3,000,000	\$3,000,000	\$15,000,000				
	Impact Fee Refunds	\$400,000	\$400,000	\$400,000	\$400,000	\$400,000	\$2,000,000				
60003	Collector Rds / Minor Arterial Rds	\$1,450,000	\$1,450,000	\$1,450,000	\$1,450,000	\$1,450,000	\$7,250,000				
60171	Advanced ROW	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$250,000				
	Capacity Improvement Projects - All Phases	\$3,000,000	\$3,000,000	\$3,000,000	\$3,000,000	\$3,000,000	\$15,000,000				
	Debt Service Payments	\$14,600,000	\$14,600,000	\$14,600,000	\$14,600,000	\$14,600,000	\$73,000,000				
	ARTERIAL AND COLLECTOR ROAD PROJECT TOTALS	\$38,600,000	\$38,600,000	\$38,600,000	\$38,600,000	\$38,600,000	\$193,000,000				

REVENUE KEY - REVENUE SOURCE		\$ AMOUNT					\$ AMOUNT				
		FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL				
IF - Impact Fees / CCA Revenue		\$5,600,000	\$5,600,000	\$5,600,000	\$5,600,000	\$5,600,000	\$28,000,000				
GA - Gas Tax Revenue		\$18,300,000	\$18,300,000	\$18,300,000	\$18,300,000	\$18,300,000	\$91,500,000				
GR - Grants / Reimbursements		\$0	\$0	\$0	\$0	\$0	\$0				
CF - Available Cash for Future Projects/Payment of Debt Service		\$0	\$0	\$0	\$0	\$0	\$0				
TR - Transfers		\$0	\$0	\$0	\$0	\$0	\$0				
GF - General Fund		\$13,700,000	\$13,700,000	\$13,700,000	\$13,700,000	\$13,700,000	\$68,500,000				
DC - Developer Contribution Agreements / Advanced		\$0	\$0	\$0	\$0	\$0	\$0				
IN - Interest - Fund 313 (Gas Tax & Interest Impact Fees		\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$5,000,000				
RR - Revenue Reduction (less 6% required by law)		\$0	\$0	\$0	\$0	\$0	\$0				
	REVENUE TOTAL	\$38,600,000	\$38,600,000	\$38,600,000	\$38,600,000	\$38,600,000	\$193,000,000				

**APPENDIX H
FUTURE COSTS AND REVENUES BY TYPE OF PUBLIC FACILITY
FISCAL YEARS 2020-2024**

PARKS AND RECREATION FACILITIES PROJECTS		CAPITAL IMPROVEMENT SCHEDULE NOTES	\$ VALUE					\$ VALUE TOTAL
PROJECT No.	PROJECT		FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
80002	Developer Contributions		\$0	\$0	\$0	\$0	\$0	\$0
PARKS AND RECREATION FACILITIES PROJECT TOTALS			\$0	\$0	\$0	\$0	\$0	\$0

REVENUE KEY - REVENUE SOURCE		\$ VALUE					\$ VALUE TOTAL
		FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
IF - Impact Fees / COA Revenue		\$2,940,000	\$2,940,000	\$2,940,000	\$2,940,000	\$2,940,000	\$14,700,000
GR - Grants / Reimbursements		\$0	\$0	\$0	\$0	\$0	\$0
GF - General Fund		\$0	\$0	\$0	\$0	\$0	\$0
REVENUE TOTAL		\$2,940,000	\$2,940,000	\$2,940,000	\$2,940,000	\$2,940,000	\$14,700,000

NOTE: All Community Park Land and Regional Park Land transactions are being facilitated through interdepartmental transfers exchanging land holdings for park lands, or using other methods not involving expenditure of capital funds. These transactions represent changes to the value of land holdings only.

**APPENDIX H
FUTURE COSTS AND REVENUES BY TYPE OF PUBLIC FACILITY
FISCAL YEARS 2020-2024**

STORMWATER MANAGEMENT SYSTEM PROJECTS									
PROJECT No.	PROJECT	CAPITAL IMPROVEMENT		\$ AMOUNT		\$ AMOUNT		\$ AMOUNT	
		SCHEDULE NOTES	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	
	Stormwater Management Facilities - Capital Improvements	Continuous	\$5,861,000	\$6,037,000	\$6,218,000	\$6,404,000	\$6,596,000	\$31,116,000	
	STORMWATER MANAGEMENT SYSTEM PROJECT TOTALS		\$5,861,000	\$6,037,000	\$6,218,000	\$6,404,000	\$6,596,000	\$31,116,000	

REVENUE KEY - REVENUE SOURCE										
	FY 2020		FY 2021		FY 2022		FY 2023		FY 2024	
										TOTAL
GR - Grants / Reimbursements	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CF - Available Cash for Future Projects/Payment of Debt Service	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CRA - Community Redevelopment Area / Municipal Service Taxing Unit	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
GF - General Fund	\$5,861,000	\$6,037,000	\$6,218,000	\$6,404,000	\$6,596,000	\$6,404,000	\$6,596,000	\$31,116,000		\$31,116,000
REVENUE TOTAL	\$5,861,000	\$6,037,000	\$6,218,000	\$6,404,000	\$6,596,000	\$6,404,000	\$6,596,000	\$31,116,000		\$31,116,000

APPENDIX H
FUTURE COSTS AND REVENUES BY TYPE OF PUBLIC FACILITY
 FISCAL YEARS 2020-2024

POTABLE WATER SYSTEM PROJECTS									
PROJECT No.	PROJECT	CAPITAL IMPROVEMENT SCHEDULE NOTES	\$ AMOUNT FY 2020	\$ AMOUNT FY 2021	\$ AMOUNT FY 2022	\$ AMOUNT FY 2023	\$ AMOUNT FY 2024	\$ AMOUNT TOTAL	\$ AMOUNT TOTAL
	Expansion Related Projects		\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Replacement & Rehabilitation Projects		\$14,985,000	\$14,682,000	\$18,036,000	\$21,237,000	\$18,769,000	\$87,509,000	\$87,509,000
	Debt Service		\$8,872,000	\$8,872,000	\$8,303,000	\$5,893,000	\$5,893,000	\$37,833,000	\$37,833,000
	Departmental Capital		\$577,000	\$589,000	\$601,000	\$613,000	\$625,000	\$3,005,000	\$3,005,000
	Reserve for Contingencies - Replacement & Rehabilitation Projects		\$1,488,500	\$1,488,200	\$1,803,600	\$2,123,700	\$1,876,900	\$8,760,900	\$8,760,900
	POTABLE WATER SYSTEM PROJECT TOTALS		\$25,922,500	\$25,611,200	\$28,743,600	\$29,866,700	\$27,163,900	\$137,207,900	\$137,207,900

REVENUE KEY - REVENUE SOURCE									
		FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	TOTAL	TOTAL
WIF - Water System Development Fees		\$19,030,500	\$18,665,200	\$21,641,600	\$22,605,700	\$19,741,900	\$101,684,900	\$101,684,900	\$101,684,900
RR - Revenue Reduction (less 6% required by law)		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
WCA - Water Capital Account		\$577,000	\$589,000	\$601,000	\$613,000	\$625,000	\$3,005,000	\$3,005,000	\$3,005,000
REV - Rate Revenue		\$6,215,000	\$6,357,000	\$6,501,000	\$6,648,000	\$6,797,000	\$32,518,000	\$32,518,000	\$32,518,000
REVENUE TOTAL		\$25,822,500	\$25,611,200	\$28,743,600	\$29,866,700	\$27,163,900	\$137,207,900	\$137,207,900	\$137,207,900

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.

**APPENDIX H
FUTURE COSTS AND REVENUES BY TYPE OF PUBLIC FACILITY
FISCAL YEARS 2020-2024**

SOLID WASTE DISPOSAL FACILITIES PROJECTS		CAPITAL IMPROVEMENT	\$ AMOUNT	\$ AMOUNT	\$ AMOUNT	\$ AMOUNT	\$ AMOUNT	\$ AMOUNT
PROJECT No.	PROJECT	SCHEDULE NOTES	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
TBD	County Landfill Cell Construction		\$0	\$0	\$0	\$0	\$0	\$0
	SOLID WASTE DISPOSAL FACILITIES PROJECT TOTALS		\$0	\$0	\$0	\$0	\$0	\$0

REVENUE KEY - REVENUE SOURCE	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
LTF - Landfill Tipping Fees	\$0	\$0	\$0	\$0	\$0	\$0
REVENUE TOTAL	\$0	\$0	\$0	\$0	\$0	\$0

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.

* Pursuant to the Landfill Operating Agreement (LOA) with Waste Management, Inc. of Florida (WMIF), landfill cell construction is scheduled and guaranteed by WMIF over the life of the Collier County Landfill. Collier County landfill expansion costs are paid for by WMIF through agreed upon Collier County landfill tipping fees. By contract under the LOA, WMIF will construct any future required cells.

APPENDIX H
FUTURE COSTS AND REVENUES BY TYPE OF PUBLIC FACILITY
FISCAL YEARS 2020 - 2024

PROJECT No.	PROJECT	CAPITAL IMPROVEMENT SCHEDULE NOTES	\$ AMOUNT					\$ AMOUNT TOTAL
			FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
	Expansion Related Projects		\$0	\$0	\$0	\$0	\$0	\$0
	Replacement & Rehabilitation Projects		\$77,782,000	\$70,777,000	\$61,089,000	\$67,007,000	\$70,336,000	\$346,991,000
	Departmental Capital		\$577,000	\$589,000	\$601,000	\$613,000	\$625,000	\$3,005,000
	Debt Service		\$8,872,000	\$8,872,000	\$8,303,000	\$5,893,000	\$5,893,000	\$37,633,000
	Reserve for Contingencies - Replacement & Rehabilitation Projects		\$7,778,200	\$7,077,700	\$6,108,900	\$6,700,700	\$7,033,600	\$34,699,100
	WASTEWATER TREATMENT SYSTEM PROJECT TOTALS		\$95,009,200	\$87,315,700	\$69,993,000	\$80,213,700	\$83,887,600	\$422,528,100

REVENUE KEY - REVENUE SOURCE	\$ AMOUNT					TOTAL
	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
SIF - Wastewater System Development Fees / Impact Fees	\$5,900,000	\$6,100,000	\$6,200,000	\$6,300,000	\$6,400,000	\$30,900,000
RIR - Revenue Reduction (less 5% required by law)	\$0	\$0	\$0	\$0	\$0	\$0
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	\$577,000	\$589,000	\$601,000	\$613,000	\$625,000	\$3,005,000
SCA - Wastewater Capital Account - Transfers	\$88,532,200	\$80,626,700	\$69,300,900	\$73,300,700	\$76,862,600	\$388,623,100
REVENUE TOTAL	\$95,009,200	\$87,315,700	\$76,101,900	\$80,213,700	\$83,887,600	\$422,528,100

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.

**APPENDIX H
FUTURE COSTS AND REVENUES BY TYPE OF PUBLIC FACILITY
COST AND REVENUE SUMMARY TABLE
FISCAL YEARS 2020-2024**

The table below itemizes the types of public facilities and the sources of revenue. The "Revenue Amount" column contains the 5-Year amount of facility revenues. The right column is a calculation of expenses versus revenues for each type of public facility. All deficits are accumulated as a subtotal. The subtotal deficit is the source of additional revenue utilized by Collier County to fund the deficit in order to maintain the levels of service standards as referenced in the Capital Improvement Element.

Projects	Revenue Sources	Expenditure	Revenue Amount	Total
ARTERIAL AND COLLECTOR ROAD PROJECTS				
Revenues:	IF - Impact Fees / COA Revenue		\$28,000,000	
	GA - Gas Tax Revenue		\$91,500,000	
	GR - Grants / Reimbursements		\$0	
	CF - Available Cash for Future Projects/Payment of Debt Service		\$0	
	TR - Transfers		\$0	
	GF - General Fund		\$68,500,000	
	DC - Developer Contribution Agreements / Advanced		\$0	
	IN - Interest - Fund 313 (Gas Tax & Interest Impact Fees)		\$5,000,000	
	RR - Revenue Reduction (<i>less 5% required by law</i>)		\$0	\$193,000,000
Less Expenditures:		\$193,000,000		\$193,000,000
			Balance	\$0
POTABLE WATER SYSTEM PROJECTS				
Revenues:	WIF - Water System Development Fees		\$101,684,900	
	RR - Revenue Reduction (<i>less 5% required by law</i>)		\$0	
	WCA - Water Capital Account		\$3,005,000	
	REV - Rate Revenue		\$32,518,000	\$137,207,900
Less Expenditures:		\$137,207,900		\$137,207,900
			Balance	\$0
WASTEWATER TREATMENT SYSTEM PROJECTS				
Revenues:	SIF - Wastewater System Development Fees		\$30,900,000	
	RR - Revenue Reduction (<i>less 5% required by law</i>)		\$0	
	B - Bonds		\$0	
	SRF - State Revolving Fund Loans		\$0	
	LOC - Commercial Paper, Additional Senior Lien		\$0	
	SCA - Wastewater Capital Account		\$3,005,000	
	REV - Rate Revenue		\$388,623,100	\$422,528,100
Less Expenditures:		\$422,528,100		\$422,528,100
			Balance	\$0
SOLID WASTE DISPOSAL FACILITIES PROJECTS				
Revenues:	LTF - Landfill Tipping Fees		\$0	\$0
Less Expenditures:		\$0		\$0
			Balance	\$0
PARKS & RECREATION FACILITIES PROJECTS				
Revenues:	IF - Impact Fees		\$0	
	GR - Grants / Reimbursements		\$0	
	GF - General Fund		\$0	\$0
Less Expenditures:		\$0		\$0
			Balance	\$0
STORMWATER MANAGEMENT SYSTEM PROJECTS				
Revenues:	GR - Grants / Reimbursements		\$0	
	CF - Available Cash for Future Projects/Payment of Debt Service		\$0	
	CRA - Community Redevelopment Area/Municipal Service Taxing		\$0	
	GF - General Fund		\$31,116,000	\$31,116,000
Less Expenditures:		\$31,116,000		\$31,116,000
			Balance	\$0
TOTAL PROJECTS		\$783,852,000	TOTAL REVENUE SOURCES	\$783,852,000

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