ANNUAL UPDATE & INVENTORY REPORT ON PUBLIC FACILITIES

2006 AUIR JANUARY 24, 2007



Prepared by:
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Division
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EXECUTIVE SUMMARY

Presentation to Board of County Commissioners (BCC) of the 2006 Annual Update and Inventory Report (AUIR) on Public Facilities as provided for in Chapter 6.02.02 of the Collier County Land Development Code.

OBJECTIVE: Request that the BCC review the 2006 Annual Update and Inventory Report (AUIR) on public facilities and consider recommendations from the Collier County Planning Commission (CCPC) and Productivity Committee (PC) on projects and associated funding sources identified within the 2006 AUIR, and their ramifications upon the FY08 proposed Annual Budget. The recommendations of the CCPC are contained in Exhibit "A", and the PC recommendations are contained in Exhibit "B", of this executive summary. Traditionally, the AUIR for Category "A" facilities is utilized to identify projects for inclusion in the Schedule of Capital Improvements of the Capital Improvement Element (CIE) during the annual update and amendment, and to identify capital improvement projects and land acquisition for Category "B" facilities to insure that the Level of Service Standards (LOSS) established within their respective impact fee studies are maintained. However, this year's AUIR is an anomaly and unlike any prior AUIR considered by the BCC. As the BCC is aware from its recent policy direction, the population methodology utilized to prepare the 2006 AUIR, is not the methodology prescribed for the Evaluation and Appraisal Report (EAR) amendments.

Therefore, the AUIR will not provide the basis for an annual update and amendment of the CIE in FY07, but will be utilized as a general planning tool and to ensure the LOSS associated with both Category "A" and Category "B" facilities are being maintained. Action on the AUIR is necessary to maintain the validity of all applicable impact fee ordinances.

This AUIR, like last years AUIR project, identifies capital needs for both new facilities to serve projected population growth, as well as for replacements of public facilities that will no longer be adequate in the 5-year AUIR time period as the useful life of those public facilities will be exceeded. Additionally, unlike last years AUIR, this year's AUIR presented two series of scheduled capital improvements. The utilization of the two alternatives for peak season (Four month and Six month) population influence was directed by the BCC during the 2005 AUIR process. It should be noted, that due to the Department of Community Affairs (DCA) objection to the current population methodology and the BCC's decision to modify the manner in which population is projected based on that objection, the decision between the two alternatives is no longer a relevant question. The CCPC and PC offered recommendations only on the schedule of improvements identified within the AUIR based on the existing population methodology. This action was consistent with the adopted GMP that has full force and legal effect at the present time. The schedule of improvements contained within the 2006 AUIR attached to this executive summary contains the series of improvements recommended upon by the CCPC/PC and previously labeled Four Month Peak Season within the 2006 AUIR presented to those bodies.

The percent of seasonal population increase will be a main component of the revised population method supported by the BCC with the EAR based amendments. The significance of this determination can be seen within the most recent population estimates and projections (August 4, 2006) completed by the Comprehensive Planning Department for the year 2004. For 2004, 311,987 persons were estimated for permanent population and 422,004 persons were estimated for peak season population. This peak season increase represents a 35.3 percent increase in population and corresponding demand upon infrastructure and services. Each division/department providing essential public services, pursuant to prior policy direction of the BCC, must account for this seasonal influx of demand upon the infrastructure and service they provide respectively, and the determination of the appropriate seasonal increase in population is required to ensure infrastructure and services will be available to both the permanent and seasonal residents of the County.

BACKGROUND: Chapter 163, Part II, Florida Statutes requires the County to adopt certain Land Development Regulations (LDR's) to implement its Growth Management Plan adopted on January 10, 1989. Section 6.02.00 of the LDC requires the County to, "Provide that public facilities and services meet or exceed the standards established in the CIE required by Section 163.3177 and are available when needed for the development..." This Section of Chapter 163, Part II, Florida Statutes is commonly known as the concurrency requirement. Accordingly, on March 21, 1990, the Board adopted the Collier County Adequate Public Facilities Ordinance No. 90-24. This Ordinance was subsequently codified in Chapter 6.02.02 of the Land Development Code (LDC).

Chapter 6.02.02 of the LDC established a management and monitoring program for public facilities, which provides for an annual determination of Level of Service Standard (LOSS) concurrency for Category "A" facilities and identification of additional facilities needs. Category "A" facilities are roads, solid waste, drainage canals and structures, parks and recreation, potable water, and sewer collection and treatment. The AUIR forms the basis for the annual CIE update for these facilities, but as noted, due to the 2006 AUIR being based upon a population methodology different than the one proposed for adoption with the EAR based amendments, this year's CIE annual update will be based upon the EAR based amendments and not the 2006 AUIR. The 2006 AUIR provides analysis and recommendations on Category "B" facilities for which the County has adopted LOSS and collects impact fees. This year's AUIR contains additional Category "B" facilities for Ochopee and Isle of Capri dependent fire districts, as impact fees were adopted for both districts in this past calendar year. The Category "B" facilities are Jails, Law Enforcement, Libraries, Emergency Medical Services, Government Buildings and the two dependent fire districts, Ochopee and Isle of Capri. Chapter 6.02.02 of the Land Development Code requires the preparation of an AUIR on Public Facilities for presentation to the Board of County Commissioners.

The findings of the AUIR related to Category "A" public facilities form the basis for the preparation of the Annual Update and Amendment to the Capital Improvement Element (not during this fiscal year due to change in population methodology) and Schedule of

Capital Improvements, all Category "A" and Category"B" proposed projects to be included in the next annual budget, the determination of any Area of Significant Influence (ASI) and the review of the issuance of development orders (excluding roads) during the next year. The AUIR provides an update to the ledger baseline for the real-time Transportation Concurrency Management System database.

Under the provisions of Chapter 6.02.02 of the LDC, the BCC's options in response to the needs identified in the AUIR include, but are not limited to, the following:

- 1. Establishment of Areas of Significant Influence (ASI) surrounding deficient road segments which are not in a TCMA or TCEA.
- Public Facility project additions to the financially feasible Schedule of Capital Improvements in the Capital Improvements Element (not during this fiscal year due to change in population methodology). Road projects must be in the first or second year of the next adopted Schedule of Capital Improvements in order to be factored as available capacity in the real-time Transportation Concurrency Management System database.
- 3. Deferral of development order issuance for development not vested by statute in areas affected by deficient Category "A" public facilities pending.
 - a. Modification of Level of Service Standards (LOSS) via Growth Management Plan Amendments.
 - b. Subsequent direction to Staff to include the necessary Category "A" Public Facility projects in a future Annual CIE Update and Amendment to be adopted by the Board (not during this fiscal year due to change in population methodology).
 - c. Future approval of new or increased revenue sources for needed Public Facility projects, by the Board of County Commissioners, the State Legislature or the County voters.
 - d. Developer constructed improvements guaranteed by an enforceable development agreement.

An additional method of addressing deficiencies with the Category "A" facilities will have to be added in the 2008 AUIR to the above section based upon SB 360, that of Proportionate Share. Proportionate share mitigation, based upon failing concurrency, may be used in certain instances, as provided by law, but shall be applied as a credit against impact fees where used to address some improvement.

Population methodology – The issue of population projections and the methodology of how the County arrives at these projections has been an issue of critical concern not only for the proposed EAR based amendments, but also for this year's AUIR. Based upon the

direction of the Department of Community Affairs (DCA), and with staff's concurrence as recently ratified by the BCC, it became clear that the population projections utilized with the 2006 AUIR were not based upon the methodology the County will be utilize at the conclusion of the EAR based amendments process. Changes in the population methodology will have a change upon the population projected and this change will have a direct effect upon the capital improvement programming of each of the County's infrastructure and service providing divisions/departments identified in the 2006 AUIR. As indicated, both the CCPC and the PC recognized this discrepancy, but both bodies also recognized that until the population projection methodology has been officially modified by the BCC as part of the EAR based hearings, and accepted by DCA, the numbers presented within the 2006 AUIR are required to be based upon the currently adopted population projection methodology. The BCC adoption public hearing for the EAR based amendments is scheduled on January 25 and 26, 2007. Barring any challenges, which may subsequently result in an administrative hearing, the earliest the County will have a new method of projecting population will be May of 2007. Based upon this time schedule, the 2006 AUIR was required to be presented utilizing the currently adopted policy for population projections. Due to this discrepancy, every recommendation made by the CCPC and PC in regards to divisions/departments that base the provision of their services upon population contains a caveat regarding the uncertainty related to the population numbers utilized in the 2006 AUIR, and the surpluses and/or revenues that this may create as the County moves to the revised population method for the 2007 AUIR. An in depth discussion of the current population methodology is contained within Exhibit "C" of this executive summary.

GROWTH MANAGEMENT IMPACT: The preparation and presentation of the AUIR to the BCC, CCPC and PC meets the requirements of Chapter 6.02.02 of the Land Development Code for an annual determination of the status of public facilities. Traditionally the Board direction to include the projects identified in the AUIR in a financially feasible Annual CIE Update and Amendment will establish and maintain concurrency for Category "A" public facilities, except roads, for the next twelve (12) months, but as noted there will be a departure from the practice this year due to the changing population method. The 2007 Annual CIE update will be based upon the EAR based amendments and will establish and maintain concurrency for Category "A" public facilities.

IMPACT OF SB 360 UPON FUTURE GROWTH MANAGEMENT: The following are some of the key highlights of SB 360 which provides and mandates a better link between land use planning, the capital improvements element (CIE) and local government budgeting with respect to:

CIE/Financial Feasibility

• <u>CIE amendments adopted after July 1, 2005</u>, must demonstrate financial feasibility, which means <u>committed revenues</u> (ad valorem taxes, bonds, state and federal funds, tax revenues, impact fees, and developer contributions) for the

years 1-3 of the CIE and planned revenues (future grants, planned new sources of revenues such as taxes approved through referendum) for years 4 and beyond. Additionally, on March 1, 2008, Collier County will have to provide a financially feasible CIE to the Department of Community Affairs (DCA). DCA has indicated that projects slated for years 4 and 5 should not be included unless the identified funding source will exist with absolute certainty or if there is a back-up funding solution. It is strongly recommended by DCA and county staff that extreme caution should be exercised in years 4 and 5 if absolute funding certainty does not exists as this could affect the role rate of Ad Valorem taxes or the distribution of projected Ad Valorem tax revenue based on the existing mileage rate. Any subsequent changes to the CIE each following December will have to be justified with a substantive rationale. Thus, the AUIR will have to be a financially feasible document as well.

• <u>CIE amendments</u> which <u>delay</u> a scheduled project beyond years 1-3 can only be done <u>after</u> a public hearing is held. An ordinance to accomplish this without a public hearing is <u>not</u> permitted.

Land Use Planning

- Schools
 - 1. Requires Collier County to adopt a school concurrency by March 1, 2008, to comply with Section 163.3177 (12), F.S. The local government can adopt the school's required 5-year plan by referencing it and stating that the CIE is consistent with the school's CIE;
 - 2. Requires land us map changes that increase residential densities to assess impacts on schools; and
 - 3. All local governments must amend their intergovernmental coordination element consistent with Sections 163.3177 (6) (h) 1 and 2, F.S.
- Water
 - 1. Requires 20-year planning period for region; and
 - 2. Identification of traditional and alternative water supply development projects (i.e. saltwater and brackish water, surface water capture during wet weather, and new storage, reclaimed water, storm water for consumptive use, etc.); and
 - 3. Conservation element, including a 10-year assessment of needs and sources.
 - 4. Collier County must adopt its local water facilities supply plan prior to the spring of 2008.
- Transportation
 - 1. Must include MPO improvements if relied upon to ensure concurrency and financial feasibility; and
 - 2. Transportation facilities must be in place or under construction within 3 years after issuance of <u>building permit</u> and element must be adopted no later than March 1, 2008; and
 - 3. Must be evaluated in the Evaluation and Appraisal Report (EAR); and
 - 4. Must consult and coordinate with FDOT to mitigate impacts to the Stategic Intermodal System; and
 - 5. Must meet new requirements by July 1, 2006 or at EAR plan update, whichever is later; and

6. Proportionate share mitigation, based upon failing concurrency, may be used in certain instances, as provided by law, but shall be applied as a credit against impact fees where used to address some improvement (DOT to develop model ordinance by December 1, 2005 and local governments must adopt ordinance and include in transportation concurrency management system by December 1, 2006. Collier County adopted the requisite ordinance in November, 2006.

FISCAL IMPACT: The following public facilities are projected <u>not</u> to have impact fees sufficient to maintain statutorily mandated financial feasibility of the CIE utilizing the four month peak season and thus these public facilities will require supplemental revenue sources:

- County Jail (Category "B")
- Emergency Medical Services (Category "B")
- Government Buildings (Category "B")

Current and proposed revenues needed to fund public facility construction/expansion for the FY06-07 thru FY10-11 CIE planning period are set forth in each respective capital facilities section of the 2006 AUIR. Project expenditures in excess of estimated impact fee, gas tax, and user fee revenues receipts and funded bonds, are reflected as being augmented by General Fund Revenues in the body of this document or with no identified source of revenue. "General Fund Revenues" is defined as existing sales tax revenues and other state shared revenues, or ad valorem allocations at the discretion of the BCC. Where funding sources are not identified, the BCC will make a policy decision to either dedicate a funding source or in the alternative reduce the existing level of service. Either alternative will result in a financially feasible AUIR. It should be noted that both dependent fire districts contained in the 2006 AUIR are deficient in impact fee revenue to satisfy their capital expenditures, but have not been included due to both district's being MSTU's with the ability to generate additional revenue within their specific tax authority. An explanation of the current Collier County policy on impact fee updates and indexing is attached (Exhibit "D") which explains the fiscal viability of Collier County impact fees related to capital improvements attributed to new growth.

The recommendations of the CCPC and the PC for the 2006 AUIR are contained within Exhibit "A" and "B" of this executive summary. The recommendations of the CCPC and PC both contain recommendations applicable to specific components of the AUIR, but also recommend modifications or refinements to the AUIR process as a whole. An example of a specific component is contained within the CCPC recommendation for Law Enforcement.

The Planning Commission recommended approval of the 2006 law enforcement portion of the AUIR to the BCC, with the additional recommendation that the BCC review the basis used to determine capital facilities need/justification and level of service within the AUIR. Currently population is used to determine level of service. Specifically for Law Enforcement the CCPC did not agree with the current method of

determining capital facility needs which includes the population of the incorporated municipalities, but does not include the officers provided by those municipalities in calculating need. Moreover, the CCPC indicated that population may not be the best indicator of level of service. For example, response time might be a more appropriate measure of level of service if practicable and legally defensible for the purpose of establishing impact fees.

An example of a recommendation to the AUIR process as a whole is contained within the first page of the PC's letter to the BCC (Exhibit"B").

With your approval, we would be willing to create a Productivity Committee subcommittee, with a Planning Commission representative, to work with the AUIR planning staff and facility representatives to help implement recommendations that you think would improve the AUIR process. Many of these issues should be resolved before the next AUIR is prepared.

Please note that this recommendation of the Productivity Committee would most likely work best outside the scope of the preparation of an annual AUIR and then be implemented in the preparation of a subsequent AUIR. Otherwise, the focus of the AUIR during a fiscal year will be distorted from what has been BCC directed to a focus on change in process. The AUIR has always been used as a planning tool for updating the CIE and projecting other capital facility needs within the County. It is prudent to always evaluate levels of service for all capital facilities, and justifications for existing levels of service should be provided in conjunction with every annual AUIR. However, any change in levels of service might come with ramifications which would warrant additional study and scrutiny. For example, would the new type of level of service be legally defensible and would impact fee ordinances need to be changed. Therefore, based on the CCPC and PC recommendations, staff is seeking direction from the BCC with respect to the existing methodologies that are currently being used for levels of service for all capital facilities.

In essence, the CCPC and PC were inquiring whether or not the existing levels of service used for projecting capital facilities expenditures were the most appropriate from a planning and budgetary perspective. The methodologies have been deemed proper by impact fee legal counsel and staff concurs with the interpretation set forth by counsel. Regardless staff wholeheartedly agrees that level of service should be periodically reevaluated to insure that the best legally defensible method of determining levels of service are being utilized for capital facility planning.

Many of the specific recommendations from the CCPC and the PC request the BCC to consider a different statistical manner in determining need other than population and/or a different manner in calculating the assets which determine need. The most practical manner to address these recommendations would involve the appropriate divisions, impact fee staff, and impact fee counsel. Most likely a three step process would be involved. First, analysis of the appropriateness and effectiveness of the existing level of

service while providing supportive data and analysis. Second, identification of alternative methods of determining levels of service. Third, verify which alternatives can withstand legal scrutiny per the legal opinion of impact fee counsel.

It should be noted that modifications to manner in which the County determines LOSS for each of the Divisions/Departments would then be initiated at the AUIR stage. Any Category "A" level of service changes would require amendment of the CIE. It would be prudent to concurrently adopt changes to the consolidated impact fee ordinances if practical or soon thereafter. The impact fees, as noted with the memo Exhibit "D" of this executive summary, establish the floor for which Level-of-Service can not legally fall below. Any adjustment to the calculation of need in future AUIR's will have to be coordinated with the Impact Fee office and subsequent updated impact fee studies.

RECOMMENDATION: That the Collier County Board of County Commissioners take the following action:

- 1. Find upon analysis, review, actions taken and directions given, based on the 2006 AUIR that adequate Roads, Drainage Canals and Structures will be available, as defined by the Collier County Concurrency Management System, as implemented by Chapter 6.02.02 of the LDC, to support development order issuance until presentation of the 2007 AUIR.
- 2. Find upon analysis, review, actions taken and directions given, based on the 2006 AUIR that adequate facilities within Category "B" facilities will be available to maintain the LOSS established within the impact fee studies associated with each Category "B" facility.
- 3. Accept and adopt the attached document as the 2006 Annual Update and Inventory Report on Public Facilities as a planning and budgetary tool.
- 4. Provide direction upon Planning Commission and Productivity Committee recommendations to evaluate the manner in which need is calculated for every component of the AUIR with the exception of Transportation and the Independent Fire Districts.
- 5. Provide direction upon the Strategic and Organizational Level Observations contained within Exhibit "B" of this executive summary, which includes consideration of options and the prioritization and coordination of interdepartmental initiatives, and the manner in which the AUIR process is organized, guided and monitored.

PREPARED BY:	Mate: 1-11-07
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	REDEVELOPMENT, MANAGER COMPREHENSIVE PLANNING
	DEPARTMENT //
APPROVED BY:	100 Date: 1-11-07
	RANDALL ČOHEN, AICP, DIRECTOR
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APPROVED BY:	Jasuse & Schmitt Date: 1/11/07
	JOSEPH K. SCHMITT, ADMINISTRATOR
	COMMUNITY DEVELOPMENT & ENVIRONMENTAL SERVICES

MEMORANDUM

TO: Collier County Board of County Commissioners

FROM: Mike Bosi, AICP, Community Planning Manager, Comprehensive

Planning

SUBJ: Planning Commission Recommendations on the 2006 AUIR

DATE: December 27, 2006

The Collier County Planning Commission (CCPC) and Productivity Committee conducted special meetings on November 20, 29, and 30, 2006 pertaining to the 2006 AUIR. During each of the meetings the CCPC provided section by section analysis and recommendations for BCC consideration. The PC at their December 20, 2006 scheduled meeting indicated section by section recommendations for BCC consideration. What follows is a synopsis of the CCPC recommendations. The PC recommendations are contained within a separate memorandum.

CATEGORY "A" FACILITIES

1. COUNTY ROADS

The Planning Commission recommended approval of the County Roads component of the 2006 AUIR with the following changes and recommendations:

- Attachment "D" provide a fuller explanation of Grants/Reimbursements category on the Road Financing Plan Update.
- Attachment "F" provide clarification between the term Construction readiness and Production readiness. Also on same attachment, add to the list of deficient roadways the segment of Immokalee Road between Livingston Road and Oaks Boulevard.

These changes have been made in accordance with the CCPC directive.

2. DRAINAGE CANALS AND STRUCTURES

The Planning Commission tabled action on this element of the AUIR on November 20, pending additional information from the drainage staff and recommended approval of this element of the AUIR as modified on 11-30-06. The additional information sought by the CCPC has been incorporated within the 2006 AUIR.

3. POTABLE WATER

The Planning Commission tabled action on this element of the AUIR on November 20, pending additional information from the Utilities staff and recommended approval of this element of the AUIR as modified on 11-29-06, with the inclusion of spreadsheets showing anticipated revenue, with reservation over the population methodology presented.

Although not a recommendation for the 2006 AUIR, the CCPC recommended to the BCC due to the variation in population numbers contained in the 2006 AUIR and the difficulty on express usage of the facilities, that the BCC make policy decisions on population to be utilized in next years AUIR. In addition the CCPC recommended the BCC consider policy on how statistics are utilized for AUIR process and recommended utilizing housing units to measure LOS standards as an option alternative to using population as the LOS determinant.

4. SEWER TREATMENT AND COLLECTION

The Planning Commission tabled action on this element of the AUIR on November 20, pending additional information from the Utilities staff and recommended approval of the sewer treatment and collection element of the AUIR as presented on 11-29-06 with a caveat requesting the BCC to consider a possible different statistic for calculation of need. The additional information sought by the CCPC has been incorporated within the 2006 AUIR.

5. SOLID WASTE

The Planning Commission tabled action on this element of the AUIR on November 20, pending additional information from the Utilities staff and recommended approval of the solid waste element of the AUIR as presented on 11-29-06 with a caveat requesting the BCC to consider a possible different statistic for calculation of need. The additional information sought by the CCPC has been incorporated within the 2006 AUIR.

RECREATION FACILITIES AND PARKS

The Planning Commission tabled action on this element of the AUIR on November 20 and 29, pending additional information from the Parks and Recreation staff. The additional information sought by the CCPC has been incorporated within the 2006 AUIR. On November 30, 2006 the Planning Commission made the following recommendations:

- 1. Recreation Facilities The Planning Commission recommended approval to the Board of County Commissioners of the 2006 AUIR, with the additional recommendation that the BCC review the existing means of determining level of service in order to determine if there is a better basis to determine LOS instead of population. In addition, the CCPC within the motion expressed disagreement with the current method of omitting the facilities in the City of Naples and the City of Marco Island while calculating and using their population to calculate need.
- 2. Community Park Land The Planning Commission recommended approval to the BCC with regard to the 2006 AUIR summary for community parks, with the further recommendation that the basis used to determine need within the AUIR, currently population, would be reviewed with the intent to determine if population is the best means of determining LOS or if a more appropriate measure of calculating LOS exists.
- 3. Regional Park Land The Planning Commission recommended approval of the 2006 AUIR summary for regional park and with the additional recommendation

that the BCC review the basis used to determine the AUIR, which is currently population, with the intent that all LOS alternatives be evaluated to determine if there is a more effective methodology.

CATEGORY "B" FACILITIES

LAW ENFORCEMENT AND JAILS

The Planning Commission tabled action on this element of the AUIR on November 20, pending additional information from the Law Enforcement staff. On November 30, 2006 the Planning Commission made the following recommendations:

Jails – The Planning Commission recommended approval of the jails portion of the 2006 AUIR. Brackets within the line of additional revenue needed on the summary page have been removed. Additional, the Planning Commission recommended that the BCC review the basis used to determine need within the AUIR, currently population, with the intent that there may be a more effective basis to determine LOS.

Law Enforcement - The Planning Commission recommended approval of the 2006 law enforcement portion of the AUIR to the BCC, with the additional recommendation that the BCC review the basis used to determine capital facilities need/justification and level of service within the AUIR. Currently population is used to determine level of service. Specifically for Law Enforcement the CCPC did not agree with the current method of determining capital facility needs which includes the population of the incorporated municipalities, but does not include the officers provided by those municipalities in calculating need. Moreover, the CCPC indicated that population may not be the best indicator of level of service. For example, response time might be a more appropriate measure of level of service if practicable and legally defensible for the purpose of establishing impact fees.

LIBRARIES

The Planning Commission tabled action on these elements of the AUIR on November 29, pending additional information from the Libraries' staff. The additional information sought by the CCPC has been incorporated within the 2006 AUIR. On November 30, 2006 the Planning Commission made the following recommendations:

Library Building - The Planning Commission recommended approval of the 2006 library buildings portion of the AUIR, with the additional recommendation that the BCC review the basis used to determine need within the AUIR, currently population, and with the intent that there may be a more effective basis, and to evaluate or to look at the level of service standard of decimal 33 square foot per capita as a question of its relevance today.

Library Book Stock - The Planning Commission recommended approval of the 2006 library book stock portion of the AUIR, with the additional recommendation that the BCC review of the basis which is ultimately used to determine need within the AUIR, in

currently population, with the intent that there may be a more effective basis in determining need.

EMERGENCY MEDICAL SERVICES (EMS)

The Planning Commission tabled action on the EMS portion of the AUIR on November 29, pending additional information from the EMS' staff. On November 30, 2006 the Planning Commission recommended approval to the BCC and recommended that the BCC consider an alternative method of calculating demand other than population; suggested that an adjustment to the level of service including the fire districts and their capacities be considered as highlighted within the PC recommendation upon the EMS component of the AUIR; there needs to be a clarification as to the repayment and the use of the 7.3 general fund loan, because that is certainly an undefined amount of money right now in this budget that isn't clear on how it's going to be paid back.

A footnote to the summary sheets has been added to address repayment of the \$7.3 million general fund loan. The additional information sought by the CCPC has been incorporated within the 2006 AUIR.

GOVERNMENT BUILDINGS

Planning Commission recommended approval the 2006 AUIR with regard to government buildings, with the understanding that the CCPC urges the Board of County Commissioners to consider looking for a better way to look at the Government Buildings portion of the AUIR for calculation purposes, other than strictly population.

DEPENDENT FIRE DISTRICTS

Isle of Capri - The Planning Commission recommended approval of the proposed Isle of Capri Fire District 2006 AUIR as presented, contingent upon the funding through the MSTU process and the land donation from WCI on Mainsail Drive.

Ochopee - The Planning Commission recommended approval of the proposed Ochopee Fire District 2006 AUIR as presented, so long as the funding falls within the existing maximum millage rate of the MSTU. And that keeps it off the county-wide.

SYNOPSIS

All recommendations of the CCPC have been incorporated into the 2006 AUIR. The CCPC during their AUIR workshops expressed sever reservations pertaining to using population as the sole measure of determining LOS in many of the AUIR components. The CCPC is requesting that the BCC provide policy direction to staff to analyze all existing measures of calculating LOS, provide substantive data and analysis to support

these methodologies, and where appropriate, develop alternative measures of calculating LOS which appropriately address existing needs and deficiencies.

COLLIER COUNTY GOVERNMENT PRODUCTIVITY COMMITTEE

3301 East Tamiami Trail Naples, FL 34112

January 2, 2007

Board of County Commissioners 3301 East Tamiami Trail Harmon Turner Building Naples, FL 34112

Dear Commissioners,

The Productivity Committee participated in the 2006 AUIR with the Planning Commission. The joint session was very productive since each group approached the review from its own individual perspective and the resulting analysis was more comprehensive than either group would have conducted alone.

The following recommendations and comments were unanimously approved at the December 20, 2006 Productivity Committee meeting. Attachment 1 provides Specific Observations and Recommendations relating to the individual Category A and Category B Facilities. Attachment 2 provides General Observations and Recommendations relating to the overall process. Some of these recommendations are short-term, some medium-term and some long-term.

With your approval, we would be willing to create a Productivity Committee subcommittee, with a Planning Commission representative, to work with the AUIR planning staff and facility representatives to help implement recommendations that you think would improve the AUIR process. Many of these issues should be resolved before the next AUIR is prepared.

We are available to discuss these issues in more detail at your convenience.

Sincerely yours,

Dr. James A. Van Fleet

Chairman

Productivity Committee

Attachment 1 Specific AUIR Observations and Recommendations Attachment 2 General AUIR Observations and Recommendations

Specific AUIR Observations and Recommendations

Category A Facilities

1. We recommend approval of the Road program; however, it is important to note that, while the 5-year program is considered financially feasible, it is subject to significant uncertainty. The cost per lane mile for the last 2 awarded projects is double the unit cost used in the AUIR. If this trend continues, expenses will greatly exceed projections.

Also, revenue for the 5-year period is uncertain. About \$180 million in revenue is included in Developer Contribution Agreements and Advance Reimbursements, most of which is very uncertain at this point. This funding would be used primarily for construction planned in the 4th year. Transportation representatives have stated that, while they are not sure all the revenues will be available, they are required to balance the program based on the projections of revenue and cost to meet concurrency.

The program appears to be the best that can be identified at the current time so we recommend approval.

2. We recommend approval of the Drainage Canal and Structures program; however, it appears that Municipal Services Taxing Unit (MSTU) revenue for projects that benefit individual property owners will not be sufficient to support applicable capital projects. According to BCC policy, certain capital projects are subject to cost sharing where 1/3 is paid by county funds, 1/3 by grants and 1/3 by MSTUs (including homeowner contributions, developer agreements and other local source contributions, such as donated right-of-way easements). No MSTU cost share funding was collected in FY04 through FY06; however, \$25.8 million in MSTU and other unidentified revenue is included in the 5-year AUIR program. This funding is questionable unless actions are taken to establish required MSTUs.

Transportation representatives have stated that, without MSTU cost share funding, only the county and grant funding (if available) would be spent on the projects. However, this calls into question the viability of the Board policy that was intended to have homeowners pay a share of the projects that would correct flooding and presumably increase their property values. We recommend the BCC evaluate the implications of failure to collect funding from MSTUs on the viability of the total program.

- 3. We recommend approval of the Potable Water facilities.
- 4. We recommend approval of the Sewer Treatment facilities.
- 5. We recommend approval of the Solid Waste program.
- 6. We recommend approval of the Parks and Recreation facilities program; however, we recommend that more useful Level of Service Standards be developed. Using a specific dollar amount per capita Level of Service Standard (LOSS) for recreational facilities does not keep up with cost increases, leading to understated requirements, large surpluses (\$27 million over the AUIR period) and excess revenues due to the

impact fee change to include beach and boat access projects.

Additionally, large land donations/transfers can create a surplus (\$74 million over the AUIR period) according to the acreage LOSS for regional park land, but these properties may have limited use that does not meet other specific regional needs. Such large donations or transfers can satisfy the LOSS for years, delaying other needed projects. We recommend identification of more specific functional criteria than acres/1000 population.

Category B Facilities

- 1. We recommend approval of the County Jail program. While \$3.1 million in additional revenue is identified for the AUIR period, specific funding requirements should await the Jail study next month. It will include an analysis of the effectiveness of initiatives by the Judges to forestall the need to build additional jail beds by expediting cases and reducing the jail holding time. If this program has been successful, the number of beds required during the AUIR period could be significantly reduced. Modular addition of 64 beds at the Immokalee jail, with minimal work needed for expansion, is expected to cost less than the \$3.1 million identified additional revenue.
- 2. We recommend approval of the Law Enforcement facilities. We also recommend a review to determine if there is a more accurate Level of Service Standard for these facilities. The LOSS identifies 1.96 police officers/1000 population and that standard is applied to the countywide population. However, City of Naples and City of Marco Island have their own police departments and would not require that level of support. Using only the unincorporated population (excluding cities of Naples and Marco) would understate CCSO needs since they do support the city populations serving warrants, deputies in schools, crime prevention and other assistance. A review could evaluate whether a change in LOSS is warranted.
- 3. We recommend approval of Library Collection and Facilities. We recommend the building LOSS of .33 square feet/capita be evaluated to determine if it is still a relevant measure of service. With new technology allowing library usage electronically rather than through personal visits, this trend could modify the need for physical library structures in the future. We also recommend evaluation of co-location opportunities with other county facilities and schools.

We recommend that the Library Book Stock LOSS be reevaluated. Books are becoming less representative of the total media available in libraries. New Florida Library Standards lists "number of item in all formats, per capita" as a more useful standard.

4. We unanimously recommend disapproval of the EMS facility increases and the additional funding identified in the AUIR. Failure to account for all the EMS service being provided in the county is contributing to overbuilding of facilities.

Using the current LOSS, EMS wants to add 11 units to current inventory of 22.5 units during the AUIR period, requiring \$17.0 million in additional revenue. We question

whether the program is financially feasible. Impact fees do not cover debt service on existing bonds and new commercial paper loans. The General Fund will make \$7.3 million in "loans" over the 5-year period, but it is unclear whether EMS will actually be able to repay these loans.

EMS LOSS has been 1 unit/15,000 population for many years (sometimes using weighted population and sometimes using permanent population). However, during recent years, 3 fire districts and both the City of Naples and the City of Marco fire departments have added a total of 19 Advanced Life Support (ALS) units that can respond to medical emergencies and provide paramedic intervention. Five of those units carry Dr. Tober-trained county EMS paramedics under the exchange program. None of these units are included in the inventory and, to that extent, much more service is being provided to the countywide population than is identified in the EMS LOS "available inventory."

With 4 units coming on line in FY07, EMS is hopeful that their response time will be close to the 8-minute response/90% of the time goal. We strongly recommend that before adding any more units in FY08 or later, EMS determine the contributions to the LOSS in Collier County made by the 19 units providing emergency medical service to the community from the fire districts and city fire departments. If even a part of the response provided by these units were counted, it would save millions of dollars.

We recommend a reevaluation of the relationship between the current LOSS of 1 unit/15,000 population and the real goal of an 8-minute response 90% of the time. The 4 new units in FY07 will improve the current performance of an 8-minute response/80.75% of the time. It is possible that the response time goal could be achieved with an LOSS of 1 unit for a population greater than 15,000. If so, the number of required units in future years would be reduced. Conversations with 2 of the fire districts indicate that their ALS response times are significantly lower than 8-minutes, so including their ALS units would reduce the current system-wide response time. The performance standard (8-minute response for both urban and rural areas) should also be validated.

- 5. We recommend approval of the Government Buildings program as revised during the AUIR meetings. We recommend evaluation of whether current government buildings should be expanded to include all government buildings rather than just those covered by impact fees, and whether there is any benefit to dividing buildings into those supporting countywide population versus those supporting only the unincorporated population.
- 6. We recommend approval of the Isles of Capri fire district program only if it can be accomplished within their current 1.5 mil ad valorem tax rate. This program is new to the AUIR process. The district has added a new fire station during the AUIR period, primarily to serve the high-rise development on Mailsail Drive. Their stated LOSS is a 4-minute response time for fire suppression and they want the new station because their only fire station is 6 minutes away from the Mainsail Drive development.

They are expecting a land donation from WCI and impact fees will fund the ladder truck and equipment. However, their impact fees do not include the new station, so the \$1.25 million additional revenue requirement will come from ad valorem funding

provided by their weighted population of 3,739 (in 2011).

7. We recommend approval of the Ochopee fire district program only if it can be accomplished within their current maximum 4 mil ad valorem tax rate. This program is new to the AUIR process. The district has added 2 new fire stations, one to support Port of the Islands and another on I-75, east of State Road 29. They are expecting land donations and already have one of the fire trucks. However, their impact fees do not include the new stations, so the \$2.8 million additional revenue requirement will come from ad valorem funding provided by their weighted population of 2,959 (in 2011).

Category A and B Facilities

All facilities are experiencing significantly higher construction costs than were included in the impact fee studies conducted just months ago. Since most AUIR expenses are based on impact fee unit costs, these expenses are understated. Revenues, on the other hand, accurately reflect the expected collections. Unless impact fees are revised, there will be large unfunded requirements in the future.

General AUIR Observations and Recommendations

<u>Strategic Level Observations</u> which include consideration of options and the prioritization and coordination of interdepartmental initiatives.

- 1. No senior management, over-arching vision statement or planning guideline was provided that would signal to the organization the direction and speed with which the County desires to expand. Priorities and basic instructions should be clearly stated prior to development of the AUIR, including summary level operating projections for spending, personnel and new initiatives linked to capital projects. This could be similar to, or an adjunct to, the Budget Guidelines issued annually by the Finance Department. Over time, the AUIR guidance should be brought into closer alignment with the operating budget process to eliminate inconsistencies. An overview of the full process is needed.
- 2. Options for service delivery are not identified. For the most part, current delivery approach and related capital investments are projected into the future. There is little, if any, attempt to consider the impact of technology or productivity improvements or sharing assets such as through co-location or consolidation. Rather, each Department presents its requirements in isolation from those of other Departments.
- 3. Capital investment projections carry with them operational expense requirements for staffing, maintenance, support services, etc. that may seriously underestimate the economic impact on the County of such investments. Private sector long-range plans project both operating and capital requirements to insure that the combined plans are coherent, feasible and consistent with the organization's resources and strategy. We should consider making the AUIR a subset of a larger long-term planning exercise.

<u>Organizational Level Observations</u> which include the manner in which the process is organized, guided and monitored.

- 1. The "Smokestack" organization of BCC and the Collier Constitutional offices noted in our June 2006 presentation on Administrative Efficiency and Effectiveness pervades the projections made by each organization unit. It does not appear that there is any top-down prioritization or rationalization of projected requirements to recognize financial or other constraints. The Summary that we reviewed appeared to be the arithmetic sum of all the Departmental requirements.
- 2. It is not clear how the Finance Department reviews the individual Department requirements with respect to the accounting for different assets or how they account for the funding provided by the sale and servicing of bonds, commercial paper, grants, etc. We recommend that a summary schedule of borrowing and repayment be included as an Addendum to the AUIR. As noted in June, the absence of a County Chief Financial Officer could address this type of coordination.

- 3. The Unit Costs presented by the individual Departments are the averages of recent experience without any amount of Value Engineering review or Procurement Strategy review. Further, future unit costs are based on the compound growth of the current costs through the year 2020 plus a contingency allowance. In view of the huge numbers involved, a more thoughtful, less analytical approach is recommended. As noted in June, the appointment of a County Chief Construction Executive could address this type of coordination.
- 4. Consistency with and reliance upon prior AUIR contents and Impact Fee data may place undue reliance on the accuracy of these sources given the rapid growth and changing demands of our residents. The objectives of Impact Fee calculations and the AUIR are somewhat different and reliance of the former's data and methodology may be misleading.

<u>Technical Level Observations</u> which include the assumptions, data bases, computational methodology and the arithmetic and accounting accuracy of the data presented.

- 1. The extrapolation of historical population growth, even at variable rates, makes little allowance for the dramatic local changes in housing costs, property taxes, property insurance and other living costs all in relation to residents incomes. In addition, changes in County demographics and ethnic composition change the types of public services demanded. The link between population and asset requirements should be reviewed periodically to make allowance for productivity or changes in service delivery methods. Staff and reviewing organizations (including BCC) should agree on population projections prior to AUIR development.
- 2. Level of Service Standards in several cases ignored the service provided by other municipalities (city police departments) and districts (fire Advanced Life Support units) in computing countywide service. Staff and reviewing organizations should agree on LOSS prior to AUIR development.
- 3. Level of Service Standards in several cases are recommended by professional or trade organizations or ranges suggested by State Government. Several we reviewed appeared to promote more intensive investment in resources and, again, ignore possible economies and productivity improvement opportunities. Comparison with actual level of service of other counties would provide real benchmarks.
- 4. In several cases, no reference was made to potential major realignments (EMS and fire district merger) and technological changes anticipated during the AUIR period. A discussion of potential impacts in LOSS and facilities funding in those instances should be included. There should be an explanation for changes from the prior year AUIR, along with year-to-year percentage increases.

- 5. The AUIR describes only one possible level of investment and level of service. Identification of investment options and the sensitivity of changes with respect to the LOSS would provide better information.
- 6. In a small number of cases, inventory of assets was incomplete or inaccurate, numbers didn't add up, surpluses and deficits were mislabeled and other clerical and arithmetic errors found that suggest that some Departments lack staff resources and/or management's attention to the details of their presentations.

POPULATION METHODOLOGY

Introduction

Collier County staff prepares/updates population estimates and projections annually. Population data is used for capital facilities planning purposes. Also, it is provided as requested by various members of the public, including businesses and other entities contemplating expansion or re-location, and those completing applications for government grants or loans.

A. PERMANENT POPULATION

The University of Florida's Bureau of Economic and Business Research (BEBR) is under contract with the State of Florida to annually produce permanent population estimates for Florida and all cities and counties therein; and, projections for Florida and its counties, in three different ranges – low, medium and high. These projections are provided as of April 1 (the Census year).

As planning for most capital facilities is done for the first five years, as reflected in the CIE, it is the most critical time period. However, land use and infrastructure planning is also done beyond this first five-year period and should be as accurate as reasonably possible.

For most years since the GMP was adopted in 1989, Collier County's growth rate has been very close to the BEBR high range growth rate; the medium and low range growth rates were too low. However, population growth rates are periodically adjusted, via a GMP amendment, as necessary. Originally, the high range growth rate was used; that has been modified twice, most recently in 2003. The present methodology, noted in CIE Policy 1.1.2 and FLUE Policy 4.8, calls for using the BEBR high range growth rate for the first five years on a continuously rolling basis (that is, for any given year, the BEBR high range growth rate is used for the first five years) and 95% of the BEBR high range growth rate beyond the first five years.

April 1 population figures are converted to October 1 (fiscal year) figures by determining the difference between population in two consecutive years, then adding one-half that amount to the first year, since October 1 is exactly half way between two April 1 dates (see example).

Example: ((4/1/01 population - 4/1/00 population)/2) + 4/1/00 population = 10/1/00 population

B. PEAK SEASON POPULATION

Collier County has become increasingly popular as a vacation spot or winter home for many individuals due to the unique qualities the area has to offer. In addition, the Immokalee area experiences an influx of farm workers during the winter harvest months.

It is estimated that during the peak seasonal months in the coastal area (all Planning Communities, minus Immokalee, plus both incorporated cities), the functional population is approximately 33% larger than the October 1 permanent population. It is also estimated that the Immokalee Planning Community experiences an influx of approximately 15,000 people during the winter which is an increase of approximately 92%. Seasonal estimates, prepared in 1987 and 1996, are provided in the following table.

Table

1995 SEASONAL POPULATION ESTIMATES

AREA	POPULATION	AREA	<u>POPULATION</u>
Coastal	147,046	Coastal	231,472
Immokalee	25,035	Immokalee	32,378
TOTAL	1 72,080	TOTAL	263,850

Source: Collier County Planning Services Department, 1987 and 1996

1986 SEASONAL POPULATION ESTIMATES

In 1987, several factors were utilized to develop the 33% increase in the coastal population including the rate of increase in taxable sales (for items within the defined tourism category), traffic counts, gasoline sales, and electrical customer hookups. The aforementioned variables were used based on their close correlation to seasonal population fluctuations. The average rate increase for each variable was determined as follows:

1.	Taxable Sales	+	51.76%
2.	Traffic Count	+	20.10%
3.	Gasoline Sales	+	25.97%
4.	Electric Hookup Data	+	25.66%

Data from the 1980 Census and 1990 Census was also used to develop seasonal population estimates for the years 1986 and 1995, respectively. The following method was used:

- % of vacant housing units held for occasional use
- X number of vacant housing units
- X persons per household
- + total hotel and motel occupants
- = seasonal increase

This Census technique resulted in a 39% increase over the permanent population.

The percentage developed for each of the above factors was applied to the October 1 permanent population to generate a seasonal population estimate per factor. The estimates were then averaged to develop one seasonal estimate. The estimate was determined to be a 33% seasonal increase for the coastal area October 1 permanent population.

In 1996, Planning staff applied the same methodology as was used in 1987 to more recent data for the same categories (except that electric hook-up data was excluded as it showed little difference between season and non-season – most customers kept their power on year-round so it was no longer a good indicator of seasonal change). Analysis of this newer data revealed some percentages had changed for individual categories. However, the overall seasonal population increase remained at approximately 33%.

The permanent population projections (October 1) are used to generate seasonal population projections for the coastal area. The 33% rate increase is applied to the coastal permanent population projection, less Immokalee, to generate seasonal population projections for the coastal area. The peak season calculations are not done countywide since the reliability of the

Immokalee data is low, relative to the coastal area, due to concern about persons per household rates.

The seasonal population for the Immokalee Planning Community was previously obtained from the State Department of Labor and Employment Security. They estimated that 12,000 seasonal farm workers migrate to Immokalee during the winter months. Staff increased the number to 15,000 after the year 1992 to reflect the expansion of the citrus industry.

Peak Season Population, prepared in 2006

COUNTY REGIONS	2000 estimate	2005 projection	2010 projection	2015 projection	2020 projection	2025 projection
Coastal Area	313,739	401,860	528,422	638,577	751,676	866,114
Immokalee	37,032	39,455	41,836	43,916	46,058	48,236
Peak Season Total	350,771	441,314	570,258	682,493	797,733	914,350

C. WEIGHTED AVERAGE POPULATION

This population is a combination of the October 1 permanent population and the peak season population; specifically, 67% of the permanent population and 33% of the peak season population (Oct. 1 permanent pop X 67% + peak season population X 33% = weighted average pop). It is more conservative than permanent population only, but less conservative than peak season population only. This methodology has been employed since at least 1989 when the GMP was adopted.

Weighted Average Population, prepared in 2006

	2000 estimate	2005 projection	2010 projection	2015 projection	2020 projection	2025 projection
Permanent Population (Oct. 1)	257,926	326,605	424,145	509,049	596,227	684,449
Peak Season Population	350,771	441,314	570,258	682,493	797,733	914,350
Weighted Average Population	288,565	364,459	472,362	566,285	662,724	760,316
Weighted Average as % of Permanent Population	112%	112%	111%	111%	111%	111%

D. PEAK SEASON POPULATION AS COMPONENT OF WEIGHTED AVERAGE POPULATION

The Board of County Commissioners previously directed staff to evaluate whether the peak season period was four months or six months long, thus determining whether a change should be made in the weighted average formula (33% vs. 50%). However, at that time, staff didn't

recall, therefore did not advise the BCC, that historical data shows the peak season lasts approximately six months. The issue is not the length of the season, rather just how much of a population increase occurs during that peak season. As noted above, the peak season increase in population has historically been approximately 33%. Staff believes this percentage may have changed some as two seasonal population determinants have changed, based upon comparison between 1990 and 2000 Censuses: % of vacant housing units held for occasional use was 69.4% per 1990 Census but 82.6% per 2000 Census; and, % of total housing units that are vacant was 34.5% per 1990 Census and 28.8% per 2000 Census.

During the next fiscal year, traffic counts – another one of the seasonal population determinants - should be available at specific locations throughout the County which will provide further data needed to allow for re-analysis of the population increase during peak season. Because of the potential for some of the determinants to change, thereby affecting the actual peak season population resulting, staff requests a policy directive from the BCC to analyze seasonal population on an annual basis.

E. FUTURE METHODOLOGY

As previously noted, population projection methodology is periodically evaluated. Presently, the Evaluation and Appraisal Report-based GMP amendments are under review and modification by County staff in response to the ORC (Objections, Recommendations and Comments) Report from the Florida Department of Community Affairs (DCA). DCA raised Objections in the Report pertaining to population methodology, both the use of high range projections and the use of weighted average. As of Nov. 6, 2006, this methodology issue has not been resolved though County and DCA staffs continue their dialogue. It is possible that a change in methodology is forthcoming.

population methodology - ORC response #3

G: Comp/EAR Amendment Modifications

dw/11-6-06



Memorandum

To: Randall Cohen, AICP, Director, Comprehensive Planning

Michael Bosi, AICP, Planning Manager

From: Amy Patterson, Impact Fee Manager

Date: November 3, 2006

Subject: Collier County Impact Fees

Pursuant to your request, the purpose of the memorandum is to provide an update and outline the current Collier County policy on impact fee updates and indexing.

Each of Collier County's impact fees is on a schedule to be reviewed and updated at least every three years. During the formal update of the fee each component of the calculation is reviewed to ensure accuracy, validity and consistency with applicable case law(s). Such a review also includes the review and update of all relevant data that is incorporated to develop the study methodology.

In the mid-years between the formal updates several of the impact fees are "indexed" based on an adopted formula, currently using a combination of national data sets (i.e. the Engineering News, Record, the Consumer Price Index, etc.) and when appropriate, local information is also used related to land costs. Prior to the FY 2007 indexing cycle, the use of national data will be replaced with a localized construction cost component. This change was directed by the BCC in order to best capture the increases construction costs in Collier County and is consistent with the newly enacted "Florida Impact Fee Act" (Section 163.31801, Florida Statutes) regarding the use of localized data. The indexing of the impact fee provides for impact fee rates to remain more consistent with the demands of growth in the years between the required three year formal update studies and will help to avoid large impact fee increases related to the three-year cycle. Indexing formulas are in place for each of the County's 12 impact fees. While the indexing formulas provide a conservative rate by which the fee can be increased on an annual basis, it in no way is designed to replace the formal study process which captures all aspects of the changes that have occurred over a three-year period.

When impact Fees rates are developed there is a maximum legal limit on the fee which represents the largest amount that can be charged within the confines of the law. This approach also includes any appropriate credits for other revenue sources (ad valorem, grants, gas tax, etc) that are used for the same purpose as the impact fee. In the past, Collier County has adopted impact fees at less than the maximum legal limit, which allowed a portion of the infrastructure costs related to growth to be funded by other revenue sources. Current Board of County Commissioner's policy is for new/updated impact fees rates to be adopted and implemented at 100%. However, an impact fee study takes a retrospective view on cost, meaning that all actual costs may be incorporated into a study while anticipated costs, increases, etc, are not. Therefore, upon adoption of an impact fee study all increases in costs subsequent to the adoption will be captured in part by the indexing the following year and in whole in the next formal update. In areas of extremely high growth and escalating prices, it is likely that impact fee cost components can become outdated very quickly, thereby possibly requiring a full update of the fee sooner than three years.

Impact Fees provide a revenue source to fund the construction of capital improvements necessitated by growth. Impact fees may not be collected in excess of the amount reasonably anticipated to be generated by the new development. A level of service standard that is established by an impact fee study represents the standard that has been achieved for a particular facility, but does not dictate that a local government can not adopt a level of service that is higher than the achieved level of service. However, the difference between the achieved level of service and the adopted level of service will require supplemental funding from a source other than impact fees. The adopted level of service may never be lower than the achieved level of service (used for the impact fee) because growth would then be required to contribute toward the improvement of public facilities beyond its fair share.

In conclusion, Collier County has been very proactive in regard to keeping its impact fee program current with the demands of growth, but acknowledges that escalating costs may generate the need for more frequent updates as well as temporary offsets of supplemental revenue.

If you have any questions or require any additional information related to this matter, please let me know.

Thank you.

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2006 AUIR

TOTAL ADDITIONAL REVENUE REQUIRED OR LEVEL OF SERVICE STANDARD REDUCTION

4 MONTH PEAK SEASON

FACILITY TYPE	AD	DITIONAL TUE REQUIRED
County Jail Emergency Medical Services Government Buildings		3,125,087 16,430,020 2,267,671
	TOTAL	\$21,822,778*

"Additional Revenue Required" could be greatly offset by increase in impact fees in the Spring and each summer if the BCC provides that policy direction in conjunction with new impact fee studies. Furthermore, additional revenue generated by increases in assessed property values county wide could be used to provide some of the funding for each facility type. It is also possible that the Board may provide policy direction which would move a capital project or expenditure outside of the 5-year capital improvement program. As a last resort, the Board could provide policy directives to reduce levels of service for specific Category A or Category B type facilities. Assuming that none of these other options would be pursued by the Board, which would appear unlikely, an analysis of what the "Additional Revenue Required" (\$21,822,778) in terms of millage was undertaken by staff. If Ad Valorem taxes alone were used to cover the above capital shortfalls, which again is highly unlikely, this would be the equivalent of 0.0608 mills for the next 5 years or \$6.08 per \$100,000 of taxable value per home to each Collier County taxpayer to satisfy the revenue deficit.

*It should be noted that the Isle of Capri Fire District (\$1,252,478) and the Ochopee Fire District (\$2,808,349) both lack projected impact fee revenue to satisfy their respective capital improvement programs, but as MSTU's both districts will be responsible to satisfy their projected debt through the specific tax authority.

COUNTY ROADS

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- COUNTY ARTERIAL AND COLLECTOR ROADS FACILITY SUMMARY FORM
 - ATTACHMENT A: CURRENT REVENUES CIE FY 06/07-10/11
 - ATTACHMENT B: 2006 TRANSPORTATION EXISTING CONDITIONS REPORT
 - ATTACHMENT C: PROPSED TRANSPORTATION 10 YEAR WORK PROGRAM
 - ATTACHMENT D: ROAD FINANCING PLAN
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 - ATTACHMENT F: PROJECTED COLLIER COUNTY DEFICIENT ROADS TABLE AND MAP
 - ATTACHMENT G: TRANSPORTATION
 CONCURRENCY MANAGEMENT AREA
 REPORT

ANNUAL UPDATE AND INVENTORY REPORT ON PUBLIC FACILITIES 2006

CATEGORY "A" FACILITIES (Concurrency Regulated)

- 1. County Roads
- 2. Drainage Canals and Structures
- 3. Potable Water System
- 4. Sewer Treatment and Collector Systems
- 5. Solid Waste
- 6. Parks and Facilities

2006 AUIR FACILITY SUMMARY FORM

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

Level of Service Standard: Variable - "D" or "E"

Unit Cost: Variable (Average = \$6,300,248 / lane mile)

	Capital Roads
Recommended Work Program 9/30/11	\$1,025,716,000
Recommended Revenues FY07-11	\$1,025,716,000
Five-Year Surplus or (Deficit)	\$0
1. Existing Revenue Sources:	
A. Current Revenues CIE FY 07-11	
Impact Fees including Ave Maria	\$237,111,000
Gas Taxes	\$112,642,000
General Fund	\$120,500,000
Grants/Reimbursements	\$87,912,000
DCAs/Advanced Reimbursements	\$173,884,000
Carry Forward including Bonds	\$293,667,000 **
TOTA	L \$1,025,716,000

2. <u>Supplemental Revenue Sources:</u>

- A. Alternative I

 None Required
- B. Alternative II

 None Required

Productivity Committee Recommendation - The Productivity Committee recommended approval of the Road program, with comment. "It is important to note that, while the 5-year program is considered financially feasible, it is subject to significant uncertainty. The cost per lane mile for the last 2 awarded projects is double the unit cost used in the AUIR. If this trend continues, expenses will greatly exceed projections. Also, revenue for the 5-year period is uncertain. About \$180 million in revenue is included in Developer Contribution Agreements and Advance Reimbursements, most of which is very uncertain at this point. This funding would be used primarily for construction planned in the 4th year. Transportation representatives have stated that, while they are not sure all the revenues will be available, they are required to balance the program based on the projections of revenue and cost to meet concurrency. The program appears to be the best that can be identified at the current time so we recommend approval."

<u>Planning Commission Recomendation</u> - The Planning Commission recommended approval of the County Roads component of the 2006 AUIR with the following changes and recommendations:

• Attachment "D", provide a fuller explanation of Grants/Reimbursements category on the Road Financing Plan Update.

• Attachment "F", provide clarification between the term Construction readiness and Production readiness. Also on same attachment, add to the list of deficient roadways the segment of Immokalee Road between Livingston Road and Oaks Boulevard.

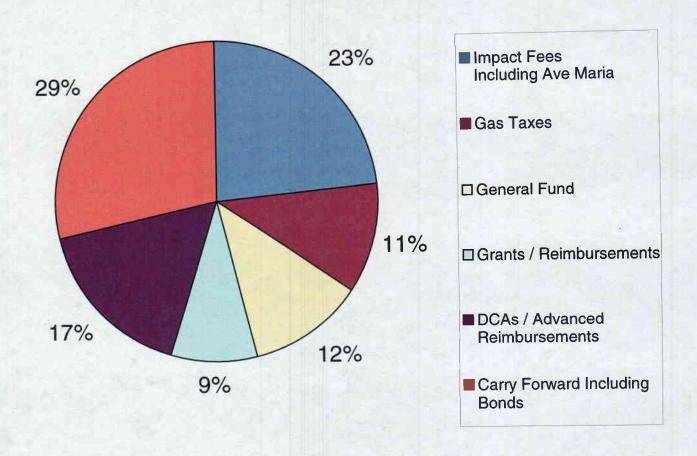
These changes have been made in accordance with the CCPC directive.

Staff Recommendation - That the BCC direct staff to include County road projects appearing on "Proposed Transportation Five-Year Work Program," (Attachment C), as detailed in the "Collier County Transportation Planning Database" (Attachment E), in the next Annual CIE Update and Amendment with the application of revenues outlined on the Road Financing Plan (Attachment D) to establish statutorily required financial feasibility of the CIE.

** Carry Forward includes project funding encumbered in prior fiscal years to be paid out over the following schedule for phases (average time for payout):

- 1. Design 25 months
- 2. Right-of-Way 4 years
- 3. Construction 30-36 months

CURRENT REVENUES - CIE FY 07-11



Attachment B

TRANSPORTATION EXISTING CONDITIONS REPORT - 2006

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.

Considerations

The following considerations apply to this analysis:

- The traffic counts are based on factoring the four quarterly traffic counts to average annual daily traffic and taking an average of those counts. These factors include an axle factor of .9524 and a peak season weekday factor that varies depending on the week that the traffic count was conducted.
- The level of service (LOS) threshold volumes are calculated using Synchro software and 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 and Land Development Code provisions.

Attachments

Attached is the 2006 Collier County Transportation Planning Database table, which incorporates the proposed FY 07 to FY 11 Capital Improvement Program. In addition, we have included a projected FY 12 through FY 16 work plan based on projected revenues and future needs.

Observations

Of the 117 traffic count stations collected in the year 2005 traffic count program, the average increase in traffic volume was 5.08%. Eighty-two traffic counts experienced an increase over the previous year. Listed below are the number and percentage of stations, including their corresponding change over the previous year:

- 27% (32 stations) show an increase greater than 10% over 2004
- 21% (24 stations) show an increase of 5-10% over 2004
- 22% (26 stations) show an increase of up to 5% over 2004
- 19% (22 stations) show an decrease of 5% or less over 2004
- 8% (9 stations) show a decrease of 5-10% over 2004
- 3% (4 stations) show a decrease of greater than 10% over 2004

Proposed Transportation 5 Year Work Program*
(Dollars shown in Thousands)

				(Donars s	iowii iii	Thousands)				THE O		
Project	Project Name			A COLOR		-		FY10		FY11		1000
#	Name -	FY07	8.9	FY 08		FY09		Amount				Amount
	SUMMARY OF PROJECTS	Amount		Amount	-	Amount		Amount				12,417
60005	Goodlette Frank (PRR-GGPKWY)	12,417					A PARTY					20,808
60006	Golden Gate Pkwy Overpass	20,808	C/I	100	111	2,448	LS					15,419
60018	Immokalee Rd/Collier Blvd -43rd	12,971	C/I			1,193	LS					23,694
66045	Immokalee Rd I75 - Collier Blvd.	22,501 19,527	C/I	565	LS	14.000	DESTRUCTION OF THE PARTY OF THE	W 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		- 1 2 1		20,092
60169	Rattlesnake Polly to Collier Blvd	66,217	C/I							1		66,217 3,972
	SBB Ph I Cst/Ph I ROW	1,972	R	2,000	R		SEL					27,212
62081B	SBB - Copperleaf to Green Vanderbilt Bch Rd/Airport-Collier Blvd.	27,212			***							43,812
63051 65061	Collier Blvd./Immk Rd-GG Blvd.	42,962	C/I			850	LD/LS					23,960
66042	Immokalee Rd/US41-I75	22,925	C/I			1,035	LS	07.070	C/I			43,757
60001A	Collier Blvd (US 41 to G.G. Main Canal	6,687	D/R			THE REAL PROPERTY.		37,070	200			48,938
	Santa Barbara Blvd/Polly	7,406	D/R	2,865	R			38,667	C/I			
60091		4,465	D/R				-	44,472	C/I		~ 1	48,937
60101	County Barn Road/Davis - CR864	5,395		1								5,395
60166	Logan Boulevard/PRR to IMMK	10,717		12,200	R	11,921	R			6,451		41,289
60168	Vanderbilt Beach Rd/Collier Blvd-Wilson	6,331		12,200	100			54,272	C/I			60,603
60044	Oil Well (Immk - Everglades)	0,001		0.11				53,367	C/I			53,367
60044	Oil Well (E Desoto - Camp Keis)	0.744	-	3,000	R	17,224	B	51,286	C/I	TOTAL TOTAL		78,254
60040	Golden Gate Blvd/Wilson E of Everglades	6,744		3,000	la .	17,224			100	46,996	C/I	52,974
60044	Oil Well (Everglades - E Desoto)	5,978						10 405	C/I	9,864	C/I	26,594
68056	Collier Blvd (GGB to PRR)	4,235						12,495	CA	3,004	C/I	87
62024	Green Blvd (Liv - SBB))	87	100		-	0.630	R					10,651
60065	Randall Blvd	2,394	R	5,619		2,638 2,000		1,000	R	5,270	R	9,770
TBD	Wilson Blvd (GGB - Immk Rd)	700		1,500	D	2,000	"	1,000	1			780
60134	Goodlette Frank PRR-VBR	780		100	100			100				1,269
60027	Golden Gate Pkwy Landscape	1,269 718	1									718
66060	175 Interchange @ Everglades	1,500					HIT'S					1,500
60162	Tropicana Bridge	649			1							649
60176 TBD	Davis Blvd Lighting Immokalee - I-75 Loop	18,540	125		1	2,040	LP	2,040	LP	2,040	LP	24,660
60138	Advanced Construction	2	1			1		Laboration of the laboration o				
00100	Advanced Landscape			1,399	LS	2,209	LS	620		780	LS	5,008
	Contingency (10%-07,08; 15%-09; 20%-10 a	27,73	5					52,100	-	8,366	-	88,201
	Total	361,142	2	29,148	3	43,558	3	347,389		79,767		861,004
	Base Operations & Maintenance							0.000		2,000	-	6,762
66066	Bridge Repairs/Improvements	56:		200		2,000		2,000		1,000		7,989
66065	Major Intersection Improvements	3,989		1,000		1,000		1,000 750		750		4,17
60016	Intersection Safety/Capacity Improve	1,17		75		750		750		750	-	5,64
60172	New Traffic Signals	2,64		75i		750 50		50		50		329
69122	Shoulder Safety Program	129		10		250		250		250		1,32
60163	Traffic Calming	7,46		70		500		500		500	. 10	9,66
69081	Pathways/Sidewalks Bike Lanes	8,17		,,,			10115	Dr. P. Carlot				8,17
35010 61010	Transit Facility & Transfer Site Transit Enhancements	2,02		2,00	0	2,000	0	2,000		2,000	-64	10,02
61010	Trailor Limanoemento					16		TE CIT				
	Subtotal Base Operations & Maintenance	26,63	5	5,55	0	7,30	0	7,300	0)	7,300		54,08
	Enhanced Operations & Maintenance	- AM						500	e i	500		2,41
60173		41		50		50		100		100		1,00
TBD	Road Refurbishing	1,01		10 60		10		600		600		3,41
	Subtotal Enhanced O & M	1,01	0	00	0	00						A
60003	Collector Roads/Minor Arterial Roads	8,39	9	5,21	9	5,48	0	5,754		6,042		30,89
60171		1,31		10		90		700		600		3,62
00171	Debt Service Payments	14,61		14,58		14,58	2	14,580)	14,339		72,69
	Total Funding Request All Funds	413,11		55,19	7	72,42	9	376,323	3	108,648	-	1,025,71
	Revenues	44,90	0	40,60	0	40,00	0	40,000)	40,000		205,50
	Impact Fees/COA Revenue Ave Maria	5,10		5,50		6,50		8,622		8,622		34,34
	Gas Tax Revenue	21,45		22,10		22,76		23,449		24,152		113,92
	Grants/Reimbursements	27,91		15,00		15,00		15,000		15,000		87,91
	Carry Forward	293,66			11 17							293,66
	Transfers											1
	General Fund	24,10	0	24,10		24,10		24,100		24,100		120,50
	DCAs/Grants/Advanced Reimbursements			60,79	8	60,79	8	52,28	3		20	173,88
	Revenue Reserve	(4,01		141				163,459		111,874		1,025,71
		413,11		168,10		169,16						

Key: S = Study

D = Design
M = Mitigation
C = Construction

R = ROW

LS = Landscape

Last Updated 11/8/04

9

salaries for TE&CM and Transfers

Note: Collector Roads/Minor Arterial includes

Note: Landscaping (LD/LS) Added consistant with Board Approval of Landscape Master Plan

* The ten year work program is an estimate of revenues versus project costs but does not constitute a long term concurrency system.

Attachment D

108,648,000 48,622,000 24,152,000 24,100,000 15,000,000 93,309,000 1,000,000 14,339,000 FY 11 0 23,449,000 24,100,000 15,000,000 360,743,000 14,580,000 376,323,000 48,622,000 52,288,000 1,000,000 FY 10 0 56,847,000 14,582,000 72,429,000 46,500,000 22,766,000 24,100,000 15,000,000 60,798,000 1,000,000 FY 09 Road Financing Plan Update 0 39,617,000 14,580,000 1,000,000 55,197,000 46,100,000 22,102,000 15,000,000 60,798,000 24,100,000 FY 08 (4,019,000)397,505,000 14,614,000 1,000,000 413,119,000 50,000,000 21,459,000 24,100,000 27,912,000 293,667,000 Budget FY 07 General Fund Pay As You Go + Roads Buydown DCA's & Advanced Reimbursements Carry Forward (Surplus or Shortfall) Project/Program Commitments **Cumulative Debt Service** Grants/Reimbursements **Existing Debt Service** Impact Fee Revenue Impact Fee Credits Gas Tax Revenue Total Expenses Miscellaneous

\$1,025,716,000

72,695,000 5,000,000

948,021,000

5 Year Total

\$1,025,716,000

111,874,000

163,459,000

169,164,000

168,100,000

413,119,000

Total Revenues

(4,019,000) 293,667,000

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113,928,000 120,500,000 87,912,000

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Tutal 07-11											48,037	3							4		20,808	1,40%			780	12,417			
IIA																													
	1110										C.11 44,473																		
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Fiscal Year 2007-2011 Capital Projects (Proposed)	FYBS										VS										16	655			780	D	-		K7
Fiscal Year 2	FY07					100					4,465	4					nt				20,006	1.869			1	12.417			
	Ī	73.8			18												Possible Agreement						Policy		1				
	Notes				Overpass Under CST								State	State			TCMA	VBR Ext. CST			UNDER CST		TCMA			UNDER CST		Intersection Imp TCMA	
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r Peak Hour Peak Dir		1,650	1,790	2,740	2,450	2,450	1,770	260	1,350	280		099	1,910	1,540	1,540	1,800	1,240	1,740	1,020	2.	1,990	3,730 1,680	1,580	1,190 740	2,790 1,37	3,420 1,48	3,500 1,72	1,040 710	0
Peak Hour Peak Dir Service	Volume	2.460	3,970	3,830	3,230	4,100	2.530	1,950	1,620	260	860	1,860	3,420	2,080	2,430	2,575	1530	2,350	3,180	4,350	4,370	3.		-		-	8		
	Road Std	4D D	B (19	8 09	31 Q9	E 09	B G9	d da	d da	to D	d n	10 D	3 g9	d dt	d dt	d db	2U D	0	3 09	3 0	8 09	E Gy	g Q	0 DE	O OF	3 (9)	H CO	211 D	H
4	From To Re	П																											in Burbara Hisd.
	Fi	Immediate Rd to Vanderbill Beach Rd Ext.	Vanderbilt Beh Rd Eut. to Pine Ridge	Pure Ridge Rd to Golden Gate Parkway	Golden Gate Parkway to Rudio Rd.	Roder Rd, to Davis Blvd.	Davis Blvd. to US41	US41 to Thornwoot Dr.	West of Vanderbilt Dr.	Lake Trafford Rd. to Immoloshe Dr.	Davis Blyd to CR 864	US41 to Chakobakas Island	US41 to Airport Rd.	Airport Rd. to Lakewood Blvd	Lakewood Hivit to County Barn Rd.	County Barn Rd. to Sunta Burbara Bbvd.	Santa Barbara Blvd, to CR 951	CR951 to Wilson Hlvd.	USAL to Goodlette-Frank Rd	Goodlette-Frank Rd. to Airport Rd.	Appent Rd. to 1-75 (Overpass)	E75 to Sunta Barbara Hvd. (Landscape)	Santa Barbura Blyd. to CR951	Immokalee Rd to Vanderbit Beh. Rd.	Vanderbilt Sch. Rd. to Pine Kalge Rd.	Pine Ridge Rd. to Golden Gate Parkway	Golden Cinte Parkway to 13541	Sonshine to Savia Barthara Blvd	Levingwon Rd. to Sunta Burbara Blod.
	Link	irport Rd.	Alepart Rd.	Alignet Rd.	Aspert Rd.	Angreet Rd.	Auport Rd.	Bayshere Road	CR 865 Bonita Beach Rd.	Carson Road	County Barn Rd.	County Road 29	Davis Blvd.	Davie Blvd.	Davis Hbd.	Davis Hbd.	SR84 Davis Blvd.	Golden Gate Blvd.	CR886 Gulden Gate Pleay	Golden Gate Pkwy	Golden Gate Pkwy	CR886 Golden Gate Pkwy	Gekhen Gaie Pkwy	CR851 Goodletto-Frank Rd.	CRRS1 Goodlesto-Frank Rd.	Goodlette Frank Rd	Gendlette Frank Rd.	Green Bhd.	Green Bivil Extension
	Road #	99910 CR31 Airport Rd.	CR31	CR31	CR31 A	CRSI	CR31 A	-	CR 865 b	9		CR29 C	SRM	SR84	SR84	SR84	SR84	CR876	CR886 6	CR886 K	CX886 (CR886 8	CR886	CR851	CRSI	CRSS	CR851 (
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Total 07-11		43,812	26.594					13,757					2		-		1700 000	23,080				15,419		27					\$ 105		. 4										
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Fixed Year 2007-2011 Capital Projects (Proposed) FY07 FY08 IY00		42.962	4238					6,687										32,925				12.971				9			8368												
4		200	5 a		Being Done on	CG Blvd to Pine Ridge Proj			×		Design and CST	Paid By Others									See ID # 127	-							0	c											
Notes		UNDER CST		TCMA		TCMA							State	State				UNDER CST			UNDER CST	UNDER CST							Under	6											
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From To	111th Ave N to Vambrith Beach Rd	Immokake Rd. to Golden Gine Blvd.	Golden Gote Blyd. to Pine Ralge Rd.	The Carlo of Caller Can Blum	The Kalife B Crabon Cone (1979)	Golden Gate Plowy, To N. of 1.75	N. of 175 to Davis Blod.		Davis Mod. to Kattleanske Hmck Rd	Rantesmake Hammock Rd. to US41	If Sal to Municipa Rd	DS41 in South Wal Mais Driveway	Manusce Rd to New York Dr.	New York Dr. to N. Morco Jaland Bridgo	Gulfdasse Dr. in Vanderbilt Dr.		Vianderbill Dr. to US 41	US 41 to Auport Rd.	A before an Total Total Paris	August Ration P.53	175 bi Logan Blvd	CR 951 to Wilson Blvd	Wilson Blvd. in Oil Well Road	Oil Well Road to Sr 29	111	West of SR29	Pine Ridge III Vanderbill:	Green Blvd. to Puse Ridge Rd	Vanderbilt to Immoltake Rd.	Imperial St. to Immokaloe Rd.	Immokalor Rd. to Vanderbilt Beh. Rd.	Part of the St. A. Chen and William Delice Delice	Vanoerful Belt. Kd. to Pine Kalle Kal	Place Ridge Rd. to Golden Gate Pky	Golden Gate Parkway to Rodio Rd,			Old 41 to NA Livingston Rd.	Main St. to New Market Rd.	Beyward St. to SR 29	The state of the s
Link	Gullitione De.	Culliar Blvd. (CR 951)	Collier Bivd. (CR 951)	10 to	Collect Bivd. (C.R. 951)	Coffice Rivid, (CR 951)	SR951 (Collect Blvd. (SR 951)		CR951 Collier Blvd. (CR 951)	CR951 Collier libid (CR 951)	Spirit Road Off	CHIEF INCOME, TOTAL	Stater Road 951	State Road 951	III Av N		H I I I I I I I I I I I I I I I I I I I	Immokalee Rd.	100	Immokatoe Kd.	Immokake Rd.	Immokalee Rd	CR846 Immediate Rd	from the first first first		Lake Traffind Rd.	Logue HVd.	Logar HVd.	Lugan Hivd.	Livingsing Road IV	Levingston Rood-III	100	Levingston Road-III	Levelgion Read-II	Lavingston Read-I	Licingation Road Settimates	LIVERSHIP AGAI CAMINING	H/W Liverston Road	N. 1st Street	New Market Road	
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860	1,010	000		2,730	3,300	3,730	3,730	1 200	3,000	2,180	2.120	1,140	0767	1,946	2,340	3,200	1,930	3,100	3,250		133	1175	875	875	1,860	878	878	828	KTS	3,410	3,850	2750	3,200	3,500	3,200	1,075	1,075	875	3,300	3,520	3,370	3,440	1 460	
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ATTACHMENT F

Results

TCMA

SCOOT

= Transportation Concurrency Management Area

= Split Cycle Offset Optimization Technique

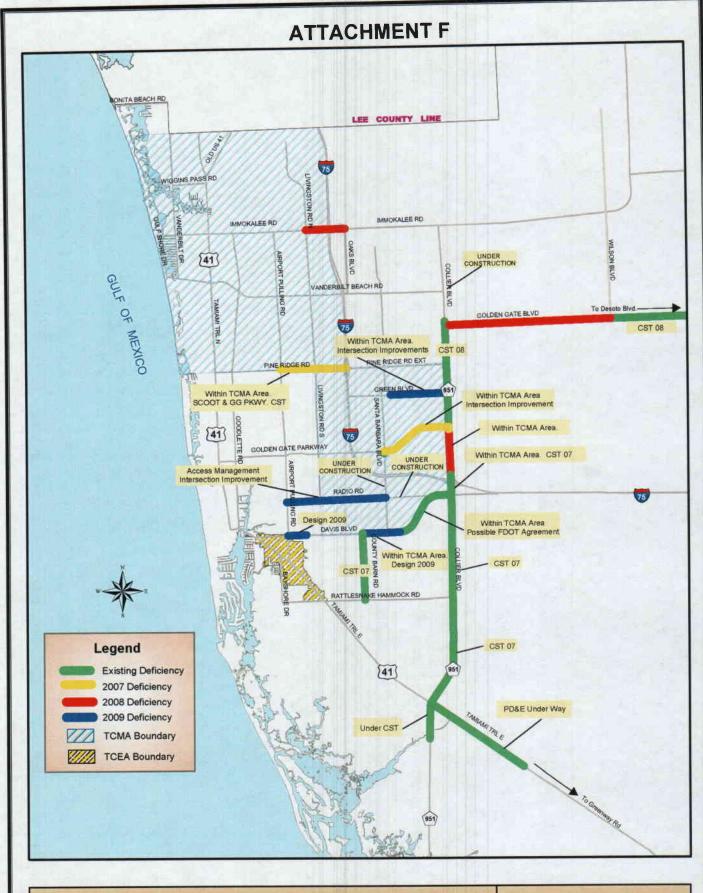
Listed below are the roadway links that are currently deficient or are projected to be deficient under the concurrency system within the next five years and the programmed and proposed solutions to solve these deficiences:

	Total S	15153		Existing Deficiencies Based on Traffic	Counts
#	Man	Year	Roadway	From/To	Solutions
1			Golden Gate Blvd.	Wilson Blvd. to East of Everglades Blvd.	Construction readiness anticipated in CY2008

no.	OFFI	Contract of		Existing Deficiencies Based on Veste	d Trips
#	Мар	Year Deficient	Roadway	From/To	Solutions
2			Davis Boulevard (SR 84)	Santa Barbara Blvd. to CR 951	FDOT Design Underway-Possible Payback with FDOT
3			Collier Blvd.	Golden Gate Parkway to Pine Ridge Rd.	Under Design & in TCMA
4			Collier Blvd.	Davis Blvd. to N. of I-75	Construction readiness anticipated in CY2007
5			Collier Blvd.	Rattlesnake Hammock to Davis Blvd.	Construction readiness anticipated CY2007
6			Collier Blvd.	US 41 to Rattlesnake Hammock Rd.	Construction readiness anticipated CY2007
7			Collier Blvd.	Manatee Road to US 41	Construction Underway - not final accepted
8		Existing		Collier Blvd. to Greenway Road	PD&E study underway, design programmed 2009
9			County Barn Road	Rattlesnake Hammock to Davis Blvd.	Construction readiness anticipated in CY2007

		HIP TO		Projected Deficiencies	Cincilla rich son the role of the
#	Мар	Year Deficient	Roadway	From/To	Solutions
10		2007	Golden Gate Pkwy.	Santa Barbara Blvd. to CR 951	Constrained, in TCMA, intersection improvements, SCOOT
1		2007	Pine Ridge Road	Airport to I-75	I-75/G.G. Pkwy. Construction and SCOOT
12		2008	Collier Blvd.	North of I-75 to Golden Gate Parkway	Under Design & in TCMA
3		2008	Immokalee Rd.	Livingston Rd. to Oakes Blvd.	I-75 loop is initiated.
4		2008	Golden Gate Blvd.	CR 951 to Wilson Boulevard	Intersection Imp with Collier and VBR Ext.
5		2009	Davis Boulevard (SR 84)	Airport Rd. to Lakewood Blvd.	Design Programmed in CY2009 by FDOT
6			Davis Boulevard (SR 84)	County Barn Road to Santa Barbara Blvd.	Design Programmed in CY2009 by FDOT, in TCMA
7		2009	Green Boulevard	Sunshine to Santa Barbara	Intersection Improvements and in TCMA
8		2009	Radio Road	Airport Road to Santa Barbara	Access Management and Santa Barbara/Radio Int.

Prepared By: Donald Scott, Transportation	Date:
NOTES: Roadway Name = State Facility	



PROJECTED COLLIER COUNTY DEFICIENT ROADS
FY 2006/07 - FY 2010/11

Transportation Services DMIslon
Transportation Planning Department

Coffice County
GIS Mapping: Beth Yang
File: G:/Data Request/DeficientRoad_2006.mxd

ATTACHMENT G

TCMA Report - 2006 AUIR

Collier County Transportation Concurrency Management System

	Lane Miles	
	# Lanes	
	Length	
PKHr-PKDir	V/C Ratio	
	To	
	From	
The state of the s	lame	
THE WHITE IN	AUIR ID N	Management of the last of the

East Central TCMA

4.92	2.72	4.78	09'9	8.56	4.00	7.56	4.92	3.12	3.48	15.30	8.58	6.72	09.9	7.96	5.52	7.20	8.22	4.40	7.56
4	4	2	9	4	2	4	4	4	4	9	9	9	9	4	4	4	9	4	4
1.23	89.0	2.39	1.10	2.14	2.00	1.89	1.23	0.78	0.87	2.55	1.43	1.12	1.10	1.99	1.38	1.80	1.37	1.10	1.89
0.89	0.92	1.06	09.0	0.98	69.0	1.02	0.94	1.30	69.0	0.50	0.37	0.98	0.65	0.88	0.72	0.79	0.61	0.75	0.48
County Barn Road	Santa Barbara Boulevard	Collier Boulevard	Santa Barbara Boulevard	Collier Boulevard	Collier Boulevard	Golden Gate Parkway	N. of I-75	Davis Boulevard	Green Boulevard	Golden Gate Parkway	Radio Road	1-75	Logan Boulevard	Santa Barbara Boulevard	Davis Boulevard	Golden Gate Parkway	Radio Road	Davis Boulevard	Collier Boulevard
I akewood Boulevard	County Barn Road	Santa Barbara Boulevard	1-75	Santa Barbara Boulevard	Santa Barbara Boulevard	Pine Ridge Road	Golden Gate Parkway	N. of I-75	Pine Ridge Road	Pine Ridge Road	Golden Gate Parkway	Airport Road	1-75	Livingston Road	Santa Barbara Boulevard	Green Boulevard	Golden Gate Parkway	Badio Boad	Logan Boulevard
Davis Boulevard	Davis Boulevard	Davis Boulevard	Golden Gate Parkway	Golden Gate Parkway	Green Boulevard	Collier Boulevard	Collier Boulevard	Collier Boulevard	Logan Boulevard	Livingston Road	Livingston Road	Pine Ridge Road	Pine Ridge Road	Radio Road	Radio Road	Santa Barbara Boulevard	Santa Barbara Boulevard	Santa Barhara Boulevard	Pine Ridge Road
14																			

128.72 Lane Miles<=1.0 V/C: Total Lane Miles:

113.26

Percent Lane Miles Meeting LOS Standard: Red: Deficient

87.99%

Blue: Projected to become deficient in 2007

COUNTY DRAINAGE CANALS AND STRUCTURES

CONTENTS

- SUMMARY FORM
- ATTACHMENT A: STORMWATER CAPITAL IMPROVEMENT PROGRAM
- ATTACHMENT B: STORMWATER CAPITAL IMPROVEMENT PROJECTS FY07 THROUGH FY11

2006 AUIR FACILITY SUMMARY FORM

Facility Type: Drainage Canals & Structures (Category A)

Level of Service Standard:

Carry Forward/Misc. (FY05-06)

<u>Future Development</u> (subsequent to January 1989) – 25 year, 3-day storm <u>Existing Development</u> (prior to January 1989) – current service level

Summary of County Maintained Secondary Drainage Inventory

Type of Facility	FY 05-06	FY 10-11 (Proposed)
Canal (miles)	187	189
Structures	3	
Pump Stations Adjustable Control Weirs	14	15
Fixed Weirs	25	47
Treatment Lakes / Spreader Weirs _	0	11
Total Structures	42	77

Drainage Canal Cost (FY 06-07)	Canal Miles	Structures	Value/Cost
Available Secondary Inventory 10/1/06	187	42	
Proposed Secondary Inventory ending FY10-11	189	77	
FY06-07 thru FY10-11: Secondary New Secondary Facilities	2	35	
Reconstruction Secondary Facilities	13	0	
FY06-07 thru FY10-11: Secondary			\$83,921,192
FY06-07 thru FY10-11: Tidal / Tertiary			\$26,317,626
Reserves / Transfers			\$5,140,000
Proposed Program FY06-07 thru FY 10-11			\$115,378,818
Existing and Projected Revenue Sources			
Ad Valorem (FY06-07)			\$ 9,062,600
*BCB/SFWMD (FY06-07)			\$ 4,230,000
*Other contributions / grants (FY06-07)			\$ 1,536,900

Ad Valorem (FY07-08 to FY10-11 from S.W. Program ¹ @ 0.15 Mills per year -	estimate) \$ 45,586,500
**SFWMD/BCB and other Grants (FY 07-08 to FY10-11)	\$ 14,750,000
**MSTU's and other unidentified revenue (FY 07-08 to FY10-11)	\$ 25,818,710
Sub-Total EV 08-11:	\$ 86 155 210

Sub-Total FY 06-07:

TOTAL: \$ 115,378,818

\$ 14,394,108

\$ 29,223,608

Notes: - On June 22nd 2004 the Collier County Board of County Commissioners established a Stormwater Program¹ funded via 0.15 mills Ad Valorem securing funding beginning in FY05-06 for the next 20 years.

 Cost share ratios: 		
Capital Projects	Tertiary Systems	<u>Tidal Areas</u>
1/3 County	1/2 County	1/2 County
1/3 Grants (BCB)	1/2 Grants (BCB)	1/2 Grants (BCB)
1/3 MSTU's		With Maintenance and Operation by
		MSTU's

Productivity Committee Recommendation

The Productivity Committee recommended approval of the Drainage Canal and Structures program with comment. "It appears that Municipal Services Taxing Unit (MSTU) revenue for projects that benefit individual property owners will not be sufficient to support applicable capital projects. According to BCC policy, certain capital projects are subject to cost sharing where 1/3 is paid by county funds, 1/3 by grants and 1/3 by MSTUs (including homeowner contributions, developer agreements and other local source contributions, such as donated right-of-way easements). No MSTU cost share funding was collected in FY04 through FY06; however, \$25.8 million in MSTU and other unidentified revenue is included in the 5-year AUIR program. This funding is questionable unless actions are taken to establish required MSTUs.

Transportation representatives have stated that, without MSTU cost share funding, only the county and grant funding (if available) would be spent on the projects. However, this calls into question the viability of the Board policy that was intended to have homeowners pay a share of the projects that would correct flooding and presumably increase their property values. We recommend the BCC evaluate the implications of failure to collect funding from MSTUs on the viability of the total program.

Planning Commission Recommendation

The Planning Commission tabled action on this element of the AUIR on November 20, pending additional information from the drainage staff and recommended approval of this element of the AUIR as modified on 11-30-06. The additional information sought by the CCPC has been incorporated within the 2006 AUIR.

Staff Recommendation:

That the BCC direct staff to include "Proposed CIE FY06-07 to FY10-11" major projects and studies as indicated on the spreadsheet footnote with existing and recommended revenues in the next Annual CIE Update and Amendment.

Stormwater Program: Annual appropriation commitment

*The \$5,766,900 total for these two line items is portrayed as Grant/Reimbursement, Reserve Revenue and Transfer from MSTD General Fund on the revenue portion of the accompanying spreadsheet.

**Although the 20 year plan assumes additional grant funding and MSTU funding for a grand total of \$115,375,818 over the 5 years from FY06-07 through FY10-11, the AUIR is based on a level anticipating receiving additional grant funds and MSTU funds. Individual project funding will be expanded based on receipt of additional grant or MSTU funding, conversely, reductions will be made should projected funding not materialize.

Accrued interest on Stormwater funds (appx. \$ 827,948.00 in fiscal year 2005) goes to General Funds and offset the General Funds transfer to Stormwater.

Attachment A

Stormwater Capital Improvement Program

Project Name		1	FY 06-07	T	FY 07-08		FY 08-09	60	+	LY 09-10		11-01 14	-		
Secondary - Capital Projects	Basin Study			+			6		-			e.	-	45	176,926.95
Twin Lakes Interconnect	Gordon River Basin	69	176,926.95	-	50		A		9 6			9			10 419 435 20
Gordon River Water Quality Park (CIE 185)	Gordon River Basin	69	10,419,435,20	2/0	69		en .					9 6	1		250,000,00
Gordon River Burning Tree Impr.	Gordon River Basin	69	250,000,00	o	69		6 7)				0		0		50 235 154 82
Lely Area Stormwater Impr. (CIE 1011)	Lely Basin	69	7 996 154 82	D/C/R	\$ 11,617,000,00	D/C/R	49	11,886,000.00 D	D/C/R	10,778,000,00	D/C/H	A	-		497 R42 4R
Avalon School Drainage	Lely Basin	49	497,842,46	O	\$		69		69	*		A		9 6	11000000
Bavshore & Thomason	Lely Basin	49	26,950.11	C/R	\$ 500,000.00		69	*	49		4				020,930.11
Cateway Traingle (CIE 8031)	Gateway Triangle Basin	69	1 564 872 79	D/C/R	\$ 500,000.00	D/C/R	4	00 000 000	D/C/R \$	÷	O	\$ 2,000,000,00	-	P	6,814,872.79
Ballo Mondo Stormwater Impr (CIF TBD) (1)	Relle Meade					a	\$ 400	400,000,000	D/R	\$ 400,000.00	D/C/R	\$ 4,500,000,00	.00 D/C/R	69	5,400,000.00
Columnated India (CIE 1 22) (1)	name and an all and all all and all and all and all all and all and all all all and all all all all all all all all all al	-				٥			D/R 8	\$ 3,000,000,00	D/C/R	64)	47	s	3,200,000.00
Immokalee Urban Imprv	Coldon Coto Doolo			I				-	-		٥	\$ 4,000,000.00	00 D/C/R	89	4 400 000 00
Gordon River / Golden Gate Impr. (2)	Missing Bay Bash	1			9 64		64		10,			\$ 2,000,010,00	D/C 00'0	69	2,000,010,00
Wiggins Bay Basin Imprv. (2) Subtotal - Capital Projects	VV (ggins bay basin	69	20,932,182,33		\$ 12,817,000.00		1 1	13,386,000.00	107	\$ 16,328,000.00		100	00.0	69	83,921,192.33
		-							T				F	_	
	County Road	-				1	1	00 000	+	000000	C	\$ 20,000,00	000	69	220,015.09
Global Positioning System	County Wide	69	140,015.09	U	\$ 20,000.00	٥		20,000,00	ی		+		+	G	387 531 67
14th Street Outfall	Gordon River Basin	69	387,531.67	O	\$	4	1		1	1	+		-	9 6	2 507 360 57
County Wide Swales	County Wide	s)	257,360,57	O	\$ 200,000.00	ပ		350,000,00	o	\$ 700,000,00	0	20000000	2000	9 6	417 606 06
Willow West Swale	Cocohatchee River	69	417,626,96	ပ	49		€9			•		69		A	417,020.30
his Way & Lake"N" (N. Livingston)	Ibis Way / Cypress Way	49	724,727,99	O	9		49			49		69	-	p	124,127,33
Fish Branch Creek Box Culvert	Lake Trafford Rd	69	221,635,40	O	69		89			69		ь		9	727,635.40
West Fustis Ave.	West Eustis - Immok	49	39,550.00	٥			\$ 470	470,000,00	O	69		69	,	9	509,550.00
Pine Ridge Subdivision Impr.	Ridge Dr. et. al.	49	189,350.00	D/C	\$		49	174		69		69		0	189,350.00
Foret & Mockingbird Lake Outfall	Gordon River Basin	69	11,750.00	0	65)		49	*		69		69	,	9	11,750.00
Widgins Bay Basin - Old US41	Cocohatchee River	69	61,725,00	Q	\$ 400,000.00	O	S			•		9		A	401,123,00
Riviera Golf Estates	Fleur De Lis Lane	69	137,703.36	ပ	\$	100	69)			49		u)	,	99 (137,703.36
Palm River Country Club	Country Club Dr.	69	108,670.38	٥	\$ 575,000.00	O	49			69		S		9	683,670.38
Victoria Lakes Outfall	Cocohatchee River	69	33,781.76	۵	\$ 750,000,00	O	49			\$		69	,	(4)	/83,/81./6
North Road and Gail Rivd	North Rd / Gall Blvd	69	119,350.08	D/R			\$ 1,250	250,000,00	ပ	69		49	,	69	1,369,350.08
Poinclana Village Drainage	Gordon River Basin	69	97,703.45	۵	9		\$ 200	200,000,000	D/C			69	-	+	597 703 45
County Mido Chorm County Impr	County Wide	65	719.171.35	D/C	\$ 100,000.00	D/C	49	450,000.00	D/C	\$ 900,000,000	D/C	69	-	1	3 369 171 35
County Wide Stormoster Consorer	County Wide	65	630.904.53	D/C		-	69	_	D/C	\$ 650,000.00	D/C	\$ 1,500,000.00	00.00 D/C		3 230 904 53
Australian Disc Demoval	County Wide	69	1 188 000 00	U		-		200 000 000	O	\$ 500,000,00	0	49		69	2,688,000,00
Account the remaining	S 20 Capal	e.	890.59	C			69			S		69		63	890,59
Manager and Distance of the Control	S 5th St	65	41.057.07		S		69			\$		45	-	69	41,057.07
Mico Com Boolets	County Wide	69	11.284.01	O	49		69	,		69		69		69	11,284.01
Gordon Biver Greenway Park	Gordon River Basin	-			\$ 500,000.00	0	\$ 2,50	2,500,000,00	O	\$ 2,500,000.00	0	69	4	60	5,500,000.00
IONE STATE OF THE PROPERTY OF	County Wide	-						250,000.00	٥	€				69	350,000,00
Subtotal - Tertlary Systems		69	5,539,789.26		\$ 3.245,000.00		\$ 6,64	6,640,000.00		\$ 5,270,000.00	0	\$ 3,720,000.00	00.00	69	24,414,789.26
	Tides Beele	-				_					-				
	Josephan Cross	U	1 902 R36 60	C	65		65			69		S		69	1,902,836.60
Haleman Creek Dredging	naideman Creek	9 6	00 000 000	-	9 6					· ·		8		w	1,902,836.60
Subtotal - Tidal Areas		9	1,902,836,60		e	1	9				-				
														1970	חט החם שפה

	Paris of Manne	EV 08.07	FY 07-08	FY 08-09	FY 09-10	FY 10-11	IBIOI
SAP NO.	No. SAP No. Project Name					000000	A DOM SOO A
	Beserves	\$ 801,700.00	\$ 805,500.00	\$ 1,003,700.00	\$ 1,082,300.00	\$ 1,211,300,00	000,400,4
-							
							000 000 000
		01 002 000 00	\$ 18 914 800 00	\$ 21 076.800.00	\$ 22.727.400.00	\$ 25,436,410.00	\$ 115,378,818.19
	Total - Stromwater Program	61 000 CZZ 6Z 6	0000010010	200000000000000000000000000000000000000	1		

(1) Pending completion of Master Drainage Study by BCB (2) Pending completion of Watershed Management Plan for basin

Attachment B.

Stormwater Capital Improvement Projects - FY 07 thru FY11 Secondary System Improvements

	, man 1				Conolo			Structures			
					Callais			Common	1		
L				New Canal	Exist Canal Total Canal	Total Canal	Pumping	Adjustable	Fixed	Treatment	Total
Š		SAP No. Project Name		(miles)	(miles)	(miles)	Stations	Weirs	Weirs	Ponds	Structures
	Secondar	Secondary - Capital Projects	Basin Study								
N		Twin Lakes Interconnect	Gordon River Basin							2	m «
00	H	510185 Gordon River Water Quality Park (CIE 185)	Gordon River Basin							8	4
0	510186	Gordon River Burning Tree Impr.	Gordon River Basin		0.25	0.25					0
14	-	511011 Lely Area Stormwater Impr. (CIE 1011)	Lely Basin	2.2	10.8	13		-	16	8	202
15	-	Avalon School Drainage	Lely Basin		0.43	0.43					
1	-	Bayshore & Thomason	Lely Basin		0.25	0.25					C
28			Gateway Triangle Basin								20
9	_	Immokalee Urban Imprv.	Immokalee Basin		1.27	1.27			2	2	
	H	Total - Capital Projects		2	13	15		1	22	=	8
8	OBT (Belle Meade Stormwater Impr. (CIE TBD) (1)	Belle Meade								
32	QBT :	Gordon River / Golden Gate Impr. (1)	Golden Gate Basin								
c	TAD	Whoring Bay Basin Impry. (1)	Wiodins Bay Basin								

⁽¹⁾ Improvement quantities pending completion of Watershed Management Plan for basin.

COUNTY POTABLE WATER

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- POTABLE WATER SYSTEM-TREATMENT FACILITIES LEVEL OF SERVICE STANDARDS (LOSS) ASSESSMENT FOR SERVICE AREA
- POTABLE WATER SYSTEM LOSS CHART
- POTABLE WATER SYSTEM-LEVEL OF SERIVE STANDARDS (LOSS) ASSESSMENT CHANGES FROM 2005 AUIR
- TABLE CAPITAL IMPROVEMENT PROJECTS FY 2006-2010 WATER TREATMENT, TRANSMISSION AND DISTRIBUTION
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POTABLE WATER SYSTEM - TREATMENT FACILITIES LEVEL OF SERVICE STANDARD (LOSS) ASSESSMENT FOR SERVICE AREA

02 Nov 06

				5	5a	6	7	8	9	9a	9b
I Fiscal Year	Peak Population (Seasonal)	Required Treatment Capacity @ 185 gpcd	Total Constructed Plant Capacity On-line	New Plant Constructed Capacity	New Plant Reliable Capacity	Available ASR Capacity	Total Constructed Plant and ASR Capacity MGD	Total Treatment Reliable System Capacity MGD	Retained/ (Deficit) Constructed System Capacity MGD	Retained/ (Deficit) Reliable System Capacity MGD	Retained/ (Deficit) Reliable System Target Values MGD
		MGD	MGD	MIGID	IVIGO	1.00	33.00	29.70	3.89	0.59	3.0 (Min) - 24.0 (Max)
2001	157,377	29.11	32.00			1.00	33.00	29.70	1.78	(1.52)	3.0 (Min) - 24.0 (Max)
2002	168,773		32.00			1.00	33.00	29.70	(0.35)	(3.65)	3.0 (Min) - 24.0 (Max)
2003	180,290		32.00			1.00	33.00	29.70	(2.31)	(5.61)	3.0 (Min) - 24.0 (Max)
2004	190,878		32.00	0.00	6.00		41.00	36.90	3.39	(0.71)	3.0 (Min) - 24.0 (Max)
2005	203,274		32.00	8.00	6.00	1.00	41.00	36.90	0.65	(3.45)	3.0 (Min) - 24.0 (Max)
2006	218,103		40.00	8.00	8.00		49.00		5.76	0.86	3.0 (Min) - 24.0 (Max)
2007	233,729			4.00	4.00		53.00			1.43	3.0 (Min) - 24.0 (Max)
2008	250,104		48.00 52.00	2.00	1.00		55.00		5.24	(0.26)	3.0 (Min) - 24.0 (Max)
2009	268,965		The second secon	2.00	1.00	3.00		51,30	4.40	(1.30)	3.0 (Min) - 24.0 (Max)
2010	284,339			13.75	10.00				15.76	8.68	3.0 (Min) - 24.0 (Max)
2011	297,270				10.00	4.00			11.40	4.22	3.0 (Min) - 24.0 (Max)
2012	326,231		-			6.00			10.58	3.20	3.0 (Min) - 24.0 (Max)
2013			67.75		12.00					12.87	3.0 (Min) - 24.0 (Max)
2014	357,328		- CONTRACTOR		12.00	6.00				10.04	3.0 (Min) - 24.0 (Max)
2015					5.00	The second secon	-			11.82	3.0 (Min) - 24.0 (Max)
2016					0.00	6.00	- Internation		18.28	9.01	2.75 (Min) - 22.0 (Max)
2017	402,523					6.00		-		6.10	2.75 (Min) - 22.0 (Max)
2018						6.00				3.10	2.75 (Min) - 22.0 (Max)
2019					10.00					9.21	2.75 (Min) - 22.0 (Max)
2020		THE RESERVE OF THE PERSON NAMED IN			10.00	6.00			100000000000000000000000000000000000000	6.43	2.75 (Min) - 22.0 (Max)
2021	465,125					6.00				3.57	2.75 (Min) - 22.0 (Max)
2022						9.00				3.32	2.75 (Min) - 22.0 (Max)
2023		The second second			12.00					11.09	2.75 (Min) - 22.0 (Max)
2024		100000000000000000000000000000000000000	- Continues Cont	17,720,000	12.00	9.00				8.14	2.75 (Min) - 22.0 (Max)
2025					5.00		-				2.75 (Min) - 22.0 (Max)
2026	544,42	9 100.72	108.75	5.00	5.00	9.00	122.70	110.40	22.00	0.10	and the first

Notes: (References are to the column numbers above)

- 1. Fiscal Year starts October 1 and ends September 30.
- 2. 2001 2026 Peak Population (Seasonal) estimates and projections for the existing service area are based on "Collier County Water & Sewer Districts Population Estimates and Projections" dated September 27, 2006, prepared by Collier County Comprehensive Planning Department. Populations are based on using BEBR High Range growth rate through 2011 and 95% of BEBR High Range growth rate from 2012 through 2026. The peak population projections shown include the Orangetree Service Area beginning in FY 2012.
- 3 Required Treatment Capacity @ 185 gpcd is obtained by multiplying the Peak Population (Seasonal) (Column 2) times 185 gallons per capita (peak population) per day. 185 gpcd is the established level of service standard (LOSS) as adopted in the 2005 Water Master Plan Update and verified by the South Florida Water Managment District for the 2006 Lower West Coast Water Supply Plan.
- 4. <u>Total Constructed Plant Capacity On-line</u> 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 Average Daily Demand (MMADD).

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

02 Nov 06

5. New Plant Constructed Capacity schedule is as follows:

Fiscal year	New Plant Constructed Capacity	Description	Reliable Capacity	Source of Information
2005	8.0 MGD	Reverse osmosis treatment expansion to South County Regional Water Treatment Plant	6.0 MGD	Completed
2007	8.0 MGD	Reverse osmosis treatment expansion to SCRWTP	8.0 MGD	SCRWTP Wellfield Expansion PMP
2008	4.0 MGD	Reverse osmosis treatment expansion/buildout to SCRWTP	4.0 MGD	SCRWTP Wellfield Expansion PMP
2009	2.0 MGD	High Pressure RO expansion to North County Regional Water Treatment Plant (NCRWTP)	1.0 MGD	2005 Water Master Plan Update
2011	13.75 MGD	New Northeast Regional Water Treatment Plant (NERWTP)	10.0 MGD	2005 Water Master Plan Update
2014	14.0 MGD	New Southeast Regional Water Treatment Plant (SERWTP)	12.0 MGD	Recommended based on 27 Sep 06 CDES population projections
2016	5.0 MGD	Expansion to NERWTP	5.0 MGD	Recommended based on 27 Sep 06 CDES population projections
2020	10.0 MGD	Expansion to NERWTP	10.0 MGD	Recommended based on 27 Sep 06 CDES population projections
2024	12.0 MGD	Expansion to SERWTP	12.0 MGD	Recommended based on 27 Sep 06 CDES population projections
2026	5.0 MGD	Expansion to NERWTP	5.0 MGD	Recommended based on 27 Sep 06 CDES population projections

5a. New Plant Reliable Capacity is the new plant capacity with the largest water treatment plant unit out of service in accordance with the design requirements of the "Ten State Standards" and as adopted in the 2005 Water Master Plan Update.

6. Available Aquifer Storage and Recovery (ASR) Capacity schedule is as follows:

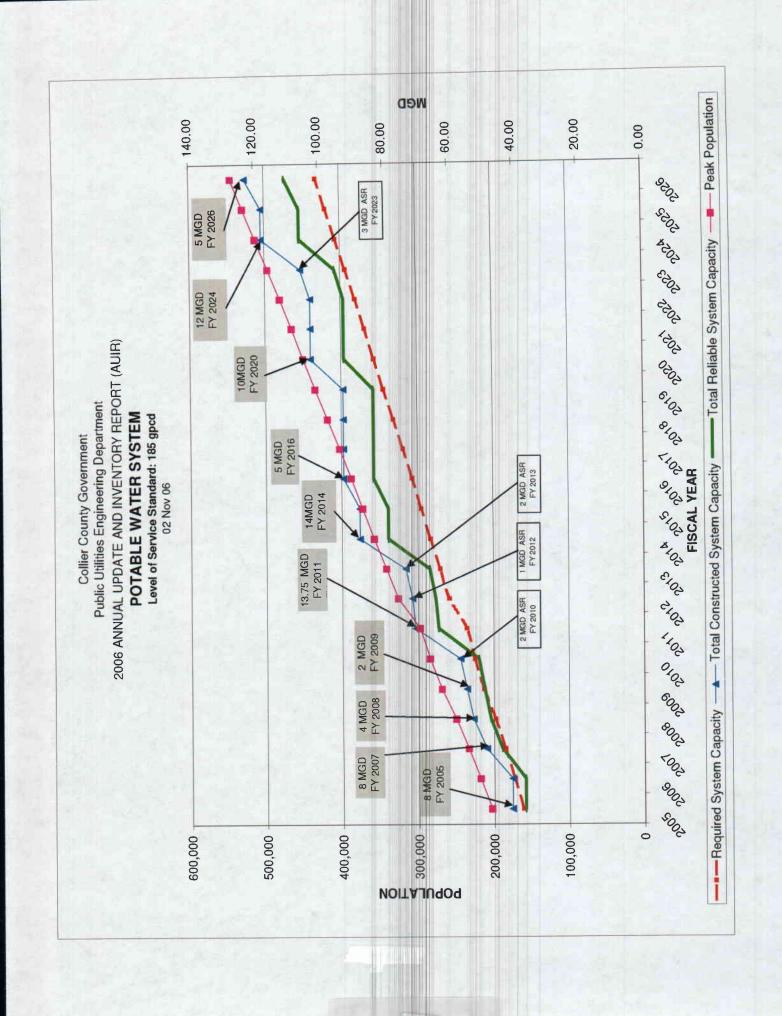
Fiscal year	Additional ASR Capacity	Description	Available ASR Capacity	Source of Information
2010	2.0 MGD	Two additional ASR wells at Manatee Road Pumping Station site	3.0 MGD	2005 Water Master Plan Update
2012	1.0 MGD	One additional ASR well at Manatee Road Pumping Station site	4.0 MGD	Recommended based on 27 Sep 06 CDES population projections
2013	2.0 MGD	Two additional ASR wells at Manatee Road Pumping Station site	6.0 MGD	Recommended based on 27 Sep 06 CDES population projections
2023	3.0 MGD	Three new ASR wells at Carica Road Pumping Station site	9.0 MGD	Recommended based on 27 Sep 06 CDES population projections

Aquifer Storage and Recovery (ASR) is storage to meet peak season demand above plant reliable capacity.

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

02 Nov 06

- 7. Total Constructed Plant and ASR Capacity is total of Constructed Plant Capacity (Column 4) plus New Plant Constructed Capacity (Column 5) plus Available ASR Capacity (Column 6).
- 8. <u>Total Treatment Reliable System Capacity</u> is the total available treatment system capacity necessary to meet concurrency requirements, and is defined herein as 90-percent of the <u>Total Constructed Plant and ASR Capacity</u> (Column 7).
- 9. Retained/(Deficit) Constructed System Capacity is the difference between Total Constructed Plant and ASR Capacity (Column 7) and Required Treatment Capacity (Column 3).
- 9a. Retained/(Deficit) Reliable System Capacity is the difference between Total Treatment System Reliable Capacity (Column 8) and Required Treatment Capacity (Column 3).
- 9b. Retained/(Deficit) Reliable System Capacity Target Values for planning purposes are 3.0 MGD minimum and 24.0 MGD maximum through FY 2016, and 2.75 MGD minimum and 22.0 maximum from FY 2017 through FY 2026. The target minimum capacities represent the projected increase in the next year's demand (peak population times level of service standard) and the target maximum capacities represent the projected increase in demand for the next eight years.



POTABLE WATER SYSTEM - LEVEL OF SERVICE STANDARDS (LOSS) ASSESSMENT CHANGES FROM 2005 AUIR

02 Nov 06

New Plant Constructed Capacity Schedule:

- A. SCRWTP: Changed 12.0 MGD expansion in 2007 to be 8.0 MGD in 2007 and 4.0 MGD in 2008 to match new SCRWTP wellfield delivery schedule
- B. The following changes were made from the 2005 AUIR to match the 27 Sep 06 CDES populations and resulting water demands:
 - NERWTP: Changed 5.0 MGD expansion from FY 2014 to FY 2016; changed 10.0 MGD expansion from FY 2017 to FY 2020; changed 5.0 MGD expansion from FY 2021 to FY 2026
 - SERWTP: Changed new 14.0 MGD plant from FY 2017 to FY 2014; changed 12.0 MGD expansion from FY 2021 to FY 2024

2. Available Aquifer Storage and Recovery (ASR) Capacity Schedule:

Adjusted ASR on-line schedule after 2010 to maintain recommended target constructed system capacities. A comparison of ASR capacities in the 2005 and 2006 AUIR's is shown below:

Fiscal <u>Year</u>	2005 AUIR ASR Capacity (MGD)	2006 AUIR ASF Capacity (MGD
2011	5.0	3.0
2012	6.0	4.0
2013	6.0	6.0
2014	7.0	6.0
2015	7.0	6.0
2016	10.0	6.0
2017	10.0	6.0
2018	10.0	6.0
2019	10.0	6.0
2020	10.0	6.0
2021	10.0	6.0
2022	10.0	6.0
2023	10.0	9.0
2024	10.0	9.0
2025	10.0	9.0
2026		9.0

COLLIER COUNTY GOVERNMENT PUBLIC UTILITIES ENGINEERING DEPARTMENT 2005 WATHER MASTER PLAN UPDATE

CAPITAL IMPROVEMENT PROJECTS FY 2006-2010 WATER TREATMENT, TRANSMISSION AND DISTRIBUTION

Greeley and Hunsen LLC 6 10:00 Jun 06

Water		I		\$83,313				26.667			I		I	I		I	and and	\$10°H-11			-									\$133,333	MINISTRA
Water Transmission Di	Orac Amo	\$25,000		\$83,333	\$4,500,000			137.39	30,007	the section	52,212,000.00	\$7,040,475	\$6.591.318	51,113,141			87,000,000	\$16,821	\$746,945		\$163,000				\$200,000	8500,000				E111113	CONTRACTOR
Water			\$2,500,000	\$83,333			ODD ODD SEA	S50,000,000	20,007						2300,000	820,000		\$16,821		836,000,000		863,000,000	\$2,600,000	367,400,000			\$200,000	\$11,300,000	860.000	6133 322	1000,0016
SUMMARY FY 2006 - FY 2010		\$25,000	\$2,500,000	\$250,000	CA SWIVWI	and the second	OK	\$30,000,000	820,000	800	\$2,275,000	\$7,040,475	818 162 98	\$1,115,141	\$300,000	\$30,000	\$7,000,000	\$50,462	\$746,945	\$36,000,000	\$163,000	\$63,000,000	\$2,600,000	\$67,400,000	0000'00055	000'0058	5200,000	DOGOGE 113	000 099	and don't	CT(X) CXX
FY 2010																	\$3,150,000					88,000,000		\$40,300,000							
FY 2009				8100,000	and the same of												\$3,800,000					852,000,000		822,300,000						1	
FY 2008				CADOOD	and the same	S1,600,000														\$6,000,000			000'0095					000 000 00	25,000,000		
FY 2007			000 003		2010.010.00	\$1,300,000		815,000,000	\$20,000		\$775,000	\$4,500,000	0007009755		000'0015			\$25,000		\$25,000,000		\$1,000,000	\$1,800,000		\$100,000	6400,000	and the same of	Control control or or	34,360,000		
FY 2006		\$25,000	000,000,00	0000013	3110,080	21,600,000		\$15,000,000			21,500,000	\$2,540,475	\$1,991,318	\$1,115,141		000'05\$	850,000	\$25,462	\$746,945	000'000'55	\$163,000	\$2,000,000	\$200,000	\$4,900,000	\$100.000	0000000	BACK DAY	2500,000		2000000	
Project Name	Existing Water 411 Projects	Manusco Possesine Station Main Abatement Insprovements		SCIKW 11-5 MALI REVERSE CARRESTS EXPLAINMENT	Water Muster Plun Updates	Immokajne Road East 36" WTM	Commissioning of Immiskales 36" WTM (Note: Funding begins in 2011)	SCRWTP-12 MGD RO Expunsion	Growth Management Plan Update	East Central Water Transmission Main (Note: Funding Bogins in 2011)	Vanderbilt Beach Road Parallel Water Main	CO OCT - NO WINE Diving Blot to Retileanske Hammook	CR 951 - 30" WTM - Rattlesnake Hammack to US 41	US 41-16" WTM - CR 951 to Manater Road	Land Acquisition for NIRWTP	Southeast Regional Water Treatment Plant - Land Acquisition	Manager Road Frant New Parable Water ASR Wells	With Standard Facilities Work Phone	Find Supply Learning Teach Major Main to TO" Water Main	SCIRWIP RO Wellfield Expansion	Ceries Read Beauthe Water ASR 15 wells)	NERWTP Phase 1A Welffield for 10 MCD Capacity (Design and Construct)	SERWIP Welfield Study and Land Acoustikas	NEDWIP - New 10 McD Water Treatment Plant Phase 1A	A STATE OF THE PROPERTY OF THE	MCINCIE L'AMINGCAUNT DAUMER	Iste of Capri Road Puriphing Station and Papeline angreyedations	SCRWTP Lime Softening New 4th Reactor	NCRWITH High TDS RO Design, Construction and Supply	Opsize Lime Softening Reactor No. 1 at SCRWTP	
Project		AA	T	Т	PK.	DA	DA	PG S	PiG (CN	RD	T	Т			П	Г	T	T	PIC PICE	T	T			T	T				SS	I
		100021	- CONTRACT	VXD41	700703	700931	700932	126007	700991	701401	201501	2015111	701521	701531	195107	701551	701571	301361	TOTOL	708071	208073	708001	70000	700001	MONTH.	10000	190602	710012	710022	710232	
Project No. WBS No.		2000	Ť	+	0,000	70093	70093	70097	70099	70140	70150	20161	70152	70151	70154			201192	20300	70807	77/16/37	70890	70000	20000	AUMUA.	10903	20906	71001	71002	71023	
Fund/Type	Total Control	ALLMERS		411KiD	411/GD	411/GD	411/GD	411/GD	411/GD	411/GD	ATTACES	WILWIN .	4114(3)	411/670	ALLINGED	411/4733	ALLEGAN	1	411AID	41 LICED	ALL NOW	Attach	ALL ACTO	ALL PORTS		dilkib	411/GD	411/GD	411/GID	411/GD	1

COLLIER COUNTY GOVERNMENT PUBLIC UTILITIES ENGINEERING DEPARTMENT 2005 WATER MASTER PLAN UPDATE

CAPITAL IMPROVEMENT PROJECTS FY 2006-2010 WATER TREATMENT, TRANSMESSION AND DISTRIBUTION

Greeley and Hansen LLC 6 10:00 Jun 06

Distribution														I	\$750,000		\$83,333																	6 \$1,073,487
Transmission											\$260,000				000 0863	and the same of th	\$83,333				000'009\$													\$32,090,366
Treatment			Control Control	3120,000											the cases	outhere	\$81,333					\$400,000		0.000 0.000 0.00	21,000,000									\$222,033,488
	S	OS .	80	\$150,000	3.	Si	80	æ	53 53	08	The state of the s	OS	OS	80	DK .	52,250,800	\$250,000		08	80	2600,000	8400,000	St.	80	\$7,000,000	9	NO.	SO	8	8	So	93	80	\$255,197,341
FY 2010 3										1	the contract of	NAME OF THE PARTY				8900,000	000'058	- Constitution			\$300,000													662 860,000
FY 2909																000'0588	COUNT	and			8300,000	H			\$2,600,000									and the out
FY 2008				\$50,000												\$400,000	660,000	SAUMAN							\$3,300,000									ALL AND AND
FY 2007			THE WILL	\$100,000												2100,000	000000	300,000				\$200,000			\$1,100,000				×					200000000000000000000000000000000000000
FY 2006																	Contract of the	220,000				\$200,000												100000000000000000000000000000000000000
Project Nume	New Water 411 Projects	SERWTP Phase 1 - New 12 MGD Water Treatment Plant (Note: Funding begins in 2011)	Radio Road Parallel 20" WTM Livingston to Santa Barbara (Note, Funding begins in 2011)	Evaluation of Orange Tree Utility System	Geodlette-Frank Road Parallel 24" WTM Upgrade - VBR to Immokalee (Note. Funding begins in 2016)	Upitize Existing 12 W IM to 16" WTM along US 41 from Rattlesnake Hammock Rd to east of Bridge (Note: Funding begins to 2012)	Vanderhill Drive Parallel 12" WTM Upgrade North from Immokalee (Note: Funding begins in 2011)	(18 4.1 Paraile) 24" WTM Upgrade Southeast from Manatee PS (Note. Funding begins in 201.1)	Immekalee Road Parallel 20" and 30" WTM Upgrades (Note Funding begins in 2016)	NHRW TP Pontie 1B 10 MGD Expansion to 25 MGD (Note, Funding begins in 2013)	NERWTP Phase LC 5 MGD Expansion to 30 MGD (Note Funding begins in 2016)	New Water Main from Orange Tree Treatment Plant to NERWTP	Lower Tannami Transmission Improvements (Note: Funding Segmis in 2012) NERWITP PLACE IB 10 MGD Wellfield Expansion to 25 MGD/Design and Construct) (Note: Funding Personne in 2013)	Eastern Lands Freshwater Supply (Note: Funding begins in 2012)	SCRWIP Filters and Recarbonation Basin (Note: Funding begins in 2011)	Program Management and Oversight for NB Utlity Facility	NERWTP Phase 1B Raw Water Pipeline (Note: Funding begins in 2011)	SPWMD Grant Application	New 24" WTM on Rattlesnake Hammock Road from US 41 to CR 951 (Note: Funding begins in 2011)	New 16" WTM along US 41 from CR 951 to Barefoot Williams Road (Note, Funding begins in 2011)	Marairee Pumping Station Improvements	NERWTP Wellfield Two 24" Raw WTAN's atong Innnokalee Road to Wilson Blvd.	NERWTP Wellfield Two 24" Raw WTM's along Oil Well Road (Note, Funding begins in 2016)	SERWTP Phase 1 Welffield Construction (Note: Funding begins in 2011)	NERWITP Phase 1B Wellfield Expansion Land Acquisition	NERWTP Phase I.C.5 MGD Wellfield Expansion to 30 MGD (Design and Construct) (Note, Funding begins in 2016)	NERWTP Phase IC Raw Water Pipeline (Note: Funding begins in 2016)	North County Wellfield Interconnection Pipelines (Note: Funding begins in 2021)	New 24" WTM, on Isle of Capri Road from Manatee Road south to Port Au Prince Road (Note: Finaling begins in 2011)	New 36" WTM from NERWTP to intersection of CR 951 and GG Blvd. (Note: Funding begins in 2016).	SFRWTP Phase 2 - 12 MGD Expansion to 24 MGD (Note: Funding begins in 2016)	SHRWTP Phase 2 Wellfield Expansion (Design and Construct) (Note: Funding begins in 2016)	New 24" WTM on Radio Road between Santa Barbara Blvd, and Davis Blvd. (Note: Funding begins in 2011)	
Project Manager		W	WM	WI	WM	5.5	WM	WM	WM	WM	WM	Ш	# ×	AA	SS	WM	VV	RC	WM	WM	AA	ŏ	W	VV	VV	٧٧	VV	VV	WM	WM	٧٧	VV	WM	
WBS No.		1-9	23	6-3	70	9-9	8-9	6-3	01-5	511	5-12	6-13	515	5-16	2006-17	2006-18	2006-19	2006-20	2006-22	2006-23	2006-24	3006-25	2006-26	2006-28	2006-29	2006-30	2006-31	2006-32	3006-34	2006-35	3006-36	3006-37	3006-55	
Fund/Type Project No. (1) (2)		411/CID 2006-1		411/GD 3006-3	411/GD 2006-4	411/GD 2006-6	411/GD 2006-8	411/GD 2006-9	411/(3) 2006-10	411/GD 2005-11			411/GD 2006-15	411/GD 2006-16	411/GD 2006			411/GID 2006	411XED 2006	411/GD 2006	411/GD 2006		411/GD 3006	411/GD 2006	411/GD 2004	411/GD 2004	411/GD 2006		411/GD 3000	411/GD 2000	411/GD 200		411/GD 300	

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TABLE 8-2

COLLIER COUNTY GOVERNMENT PUBLIC UTILITIES ENGINEERING DEFARTMENT 2005 WATER MASTER PLAN UPDATE CAPITAL IMPROVEMENT PROJECTS FY 2006-2010 WATER TREATMENT, TRANSMISSION AND DISTRIBUTION

Greeley and Hunsen LLC 6 10:00 Jun 06

Water	£10-029	143964				\$42,594	\$345,999		T	I	2000	314/13	N142,305	8181,399						C306.667						\$125,000	835,584	345,000	252,007				1			0100100	State of the state
Water Transmission Di	man year	869,217	\$279,822	\$900,000			\$148.285					\$14,715					\$326,870			1777 700.0	3300,007						\$35,584		532,667		\$277,670				0.00	\$40,168	\$133,333
Water Freatment Try		\$69,217			\$3,885,915			0.000.000.0	3100,000	\$460,000	\$5,343,514				\$699,354	858,858		5030 600	C400 140	5728,140	\$300,007	\$738,593	\$2,500,000						\$32,667	\$300,000		8500,000	\$500,000	\$400,000	\$12,547,617	\$114,726	\$133,333
2006 - FY 2010 T		\$207,650	522,622	8900,000	\$1,885,015	\$42.594	200 1000	NT SE	\$100,000	\$460,000	85,343,514	\$20,549	\$142,305	8181,399	\$600,354	\$65,858	5126.870	E17.0003	207774	\$728.140	8920,000	\$738,393	\$2,500,000	93	S	\$125,000	871,169	\$45,000	\$98,000	\$300,000	\$277,670	\$500,000	2500,000	\$400,000	\$12,547,617	\$163,894	S400,000
PY 2010 S				\$150,000																						\$25,000											
FY 2009				\$150,000																						\$25,000											
FY 2008				2150,000							000'009'TS															\$25,000											
FY 2007				000 0515						000'0518	\$2,600,000			\$150,000							\$470,000		\$1,000,000			\$25,000		\$45,000	000'05'\$	To No.		\$250,000	\$250,000	000'0068	83,000,000		8350,000
FY 2006		\$207,650	5279,822	6200000	52 505 01K	50,860,715	25.23	\$494,285	S100,000	\$310,000	\$143,514	\$29.549	\$142.305	661 173	\$5000 154	020 220	State of the	3525,670	\$722,627	8728,140	8450,000	\$738,393	\$1,500,000			\$25,000	\$71,160		\$48,000	\$300,000	\$277,670	\$250,000	\$250,000	000'0018	\$9,547,617	\$163,894	\$50,000
Project Name	Existing Water 412 Projects	SCRWTP Sower Force Main Otlor Countril	City of Nonlest County Water Intercenthact	Property State Control of Control	PDOLISHII PRINCE Agreements - Water	Lime Softening Upgrade at SCRWTP.	Distribution System Rehabilitation	Public Utilities Operations Center	NCRWTP Noise Abatement Improvements	Golden Gate Wellfield Reliability Improvement Project	NCRWIP Emergency Generator Switchgein Upgrades	CYTROT Think Relocans	Auto Mater Daniel Internet	Comment & Continues Continues	OPECALLY ASSESSMENTS COMMENT TO DESIGNATION MANUAL STATES OF THE STATES	Operate and common for the rest of the security were	NCKW IP SCALAR SISHER	Facilities Renewal and Replacement Program	NCRWTP Rehabilitation	SCRWTP Rehabilitation	2006 Water System SCADA/Telementy Improvements	Lower Tamiami Well Replacement Program (Well No. 33)	2005 Tamiami Well Replacement Program (Well Not. 35, 36, 34, 37)	Tamiami Well Replacement Program (Well Nos. 38-42.) (Nose Funding begins in 2012)	Tamiami Well Replacement Program (2 new wells every 5 years) (Note: Funding bygins in 2015)	Collier Water Diffice Spatiateds	Vanderbill-Arrayat to CR 951	Hilline System	Billino Switch Witer 412	SCTRWTD Line Softening New Fourth Reactor	Elaritius Reliabilitiva Innovamenta	N/RWIP Reliability	SCRWTP Reliability	2005 SCRWTP RO Reliability	NCRWTP RO Weltfield Reliability (North Hawthorn Wells 18-20)	Energy Efficiency Enhancements	2005 Energy Efficiency Enhancements
Project Manager		PG		T	T		Pf.	DA	56				I		Т		HB	IIB	HB	HB	MC	HH	HB	HB	HB	bK	RD	ľ		93	HB	IIB	HB	HB	PS/AA	DM	DM
WBS No.	1	700201	TOTAGE	Table 1 to 1	700451	700571	700581	165007	700631	199002	109007	200711	TOWNS 1	100000	MANAGE A	/OOD#1	700942	700952	700953	700954	701242	185107	701582	701583	701584	200000	THOUSE	708871		210011	1200015	710052	710053	710054	710061	710071	710072
Project No.		70020	1	- Monte	70005	70057	70058	70059	70063	30066	70069	7007	Tours.	27000	MANTE	/UND	26009	20005	70095	20005	70124	70158	70158	70158	70158	CENCUL	70101	70887	ACSSOT	710011	71000	71005	71005	71005	71006	71007	71007
Fund/Type P	T	412/R R&E	HAN BACTA	- Transie	412/R.R.R.E	412/R.RRE	412/R.R&E	412/R.RAE	412/R.R&E	412/R.R.R.E	ALON RAFE	ATTAR DAD	Tag men	WALLER MART	K.KÆE	41 ZIK,KKE	412/R,R&E	412/R,R&E	412/R,R&E	412/R.R.R.E	412/R.R&E	412/R.R&E	412/R.R&E	412/R.RAE	412/R.R.&E	33.00 G/C15	412/0 (2.5)	ATTAN DATA	34.0,0,0,01	TWO DATE	ALTER DEED	THE REE	412/R BAH	412/R RAE	412/R R&E	412/R R&E	412/R RAE

COLLIER COUNTY GOVERNMENT PUBLIC UTLITIES ENGINEERING DEFARTMENT 2005 WATTER MASTER PLAN UPDATE

CAPITAL IMPROVEMENT PROJECTS FY 2006-2010 WATER TREATMENT, TRANSMISSION AND DISTRIBUTION

Greeley and Hansen LLC 6 10:00 Jun 06

Tright of Plane FY 2006	Water		\$118.277	\$83,333	\$6,700,000									T		6133 333	CONTRACTOR OF THE PERSON OF TH	611 111						\$366,667	\$83,333		\$163,333			\$30,044				260,000	570,000
Page		\$280,896	\$118,277	583,333			8500,000	066'90tS								des and	3455,333	411 111	OOD OOD	all provided to the same of th		000 000		\$366,667	\$81,333		\$163,333	\$3,900,000		\$30,044				\$60.000	820,000
Project Name Proj			\$118,277	\$83,333		\$14,300,000	8500,000		\$1,520,000	\$100,000	850,000	8540,000	\$18,700	\$1,150,000	\$270,000	21,500,000	\$433,153	\$500,000	933,432	Mary Mary	28,500,000	\$200,000	mad dota	\$366,667	\$83.313	\$1,000,000	K163 333		217 2CA2	San Oak	CANDOON	000 0005	2070 124-3	Contract Contract	ACCOUNTS
Project Name	2006 - FY 2010	\$280,896	\$354,831	\$250,000	\$6,700,000	\$14,300,000	\$1,000,000	\$406,990	\$1,520,000	\$100,000	850,000	3540,000	\$18,700	\$1,150,000	\$270,000	\$1,500,000	\$1,300,000	000'008\$	2100,000	000'0685	28,500,000	\$200,000	3100,000	STANDOWN	6240.000	00000000	CAUDION CON	000000	201.3CT 2078	CEL-CTOS	CAND COLD	CONTINUES	Danis seed	92/1/900	STORYGUN
Project Name					\$1,000,000	\$4,200,000	\$250,000	000'053									\$200,000			\$320,000	100			and the second	DANIAN DES	alaniace.	CONTRACTOR OF THE PARTY OF THE	- Common of							
Project Name Project Name FFY 2006 STA 2007 S	FY 2009				21,000,000	86,600,000	\$250.000	\$50,000									\$200,000			\$320,000				delicas poeta	0000000	930,000	and the same	2100,000							
Project Name S290,89%	FY 2008				\$1,000,000		8240,000	250,000								\$1,500,000	.5200,000				000'00ES				3200,000	330,000	The state of the s	3100,000							\$15,000
Trougher Facilities \$3 Trades Trades	FY 2007		\$300,000		\$2,700,000		0000563	\$50,000	\$1,520,000			2300,000		\$1,100,000	\$250,000		\$200,000	8500,000	\$100,000		\$6,200,000			\$250,000	8500,000	250,000	21,000,000	\$100,000	000'0068				850,000		\$115,000
Project Name Trode Facilities Trades The All Manuel March	900E A.d	\$280,896	\$54.831	000 0565	\$1,000,000	83,500,000		006 9063	and the same	8100,000	0007055	\$240,000	818,700	000'055	\$20,000		000'005S			\$250,000	\$2,000,000	\$200,000	\$100,000	826,000		280,000		290,000	\$3,000,000	SK25,735	1E1'06\$	\$400,000	\$250,000	\$271,866	000'055
	Project Name	Notes Count - Remote Facilities	Polytic C. Hatteline - contraction a management of Contraction of Taleston date	Security Opportunity	AACO SECURIOS OPERANDA Distribution Soutem Renowal and Renjacement	I (Well Nov. 101,102,114,115,1	(09,117,118,119,142))	A see Management	Methods Unit Project for Water Washington	House Line Softening Reactor No. 1 at SCRWTP	Well convoluence to Rule 62-555	Tunnama Welffield Electrical System and Control Upgrades (Wells 6 through 27)	Injection Well #1 - N Plant Repair	Injection Well Repairs	Engineering Plum Heuronic Storage	NCRWTP RO Membrane Replacement (Bovey six years from 2008)	Continuing Professional GIS Services	SO/50 Brackish/Limiami Water Supply	10 Year Water Supply Facilities Work Plun	2006 Permany Transmission Rehabilitation	South Hawthorn Reliability/Regulacement Wells (Well Nos. 39S-42S)	NCRWIP RO Wellfield New Sand Filter	Carica Fill Valve Replacement	NCRWTF I&C As-Bailts	Water System SCADA/Telemetry Improvements	Water SCADA Systems Software and Support Renewals	NCRWTP RO Process Improvements	Initial Water Legal Services	o Barefoot Will	NCRWTP Nanofilter Replacement (Every six years from 2005)	State Revolving Fund Procuretrent	Wellield Program Management	Welffield Technical Support	Welffold Supply Development Plan	CAMMER Update
	WBS No.	THEFT	Troops.	TUMP1	710092	710111		710121	710131	710031	710371	710381	710411	710412	710621	710431	710451	710461	710471	710501	710511	710521	710531	710541	710551	710561	110571	710581	710591	105557	743102	750052	750053	750054	750061
WES No. 110081 710081 710081 710081 710081 710011 710031 710031 710031 710031 710031 710041 7	Project No.	21008	20000	71003	21000	71011		71012	71013	21023	21032	71038	71041	71041	71042	71043	71045	71046	71047	71080	71051	71052	71053	71054	71055	71056	71057	71058	71059	72520	74310	75005	75005	75005	75006
	Fund/Type (I) (2)	380 0012	200	412/K,K&E	ALZ/R,RAE	412/R.R.R.E		412/R.R.R.E	412/R,R&E	412/8.860	ATOM DAG	412/8 RAE	412/R.R.R.E.	412/R.R.R.E	#12R.RRE	412/R.R.B.B	412/R.R&E	412/R.R&E	412/R.R&E	412/R.R&E	412/R.R&E	412/R.R.R.E	412/R.R.R.E	412/R,R&E	412/R.R&H	412/R.R&E	412/R.R&E	412/R,R&E	412/R,R&E	412/R.R.R.E	413/R.R.R.E	412/R,R&E	412/R.R.R.E	412/R.R&E	412/R RAE

COLLIER COUNTY GOVERNMENT PUBLIC UTILITIES ENGINERING DEPARTMENT 2005 WATER MASTER PLAN UPDATE

CAPITAL IMPROVEMENT PROJECTS FY 2006-2010 WATER TREATMENT, TRANSMISSION AND DISTRIBUTION

Greeky and Hansun LLC 6 10:00 Jun 06

Z	Water Water Transmission Distribution							\$1,500,000			\$41.66	S1 000 000				\$83,333	611 712 CON CIO 741.109		\$32,090,366	\$43,808,964 \$11,814,680
Tr.	Water Treatment Tr		\$750,000			\$1,500,000	\$1,500,000				\$41,667		\$2,500,000	\$500,000	\$200,000	111 183	The same of the same	\$70,710,983	\$222,033,488	\$292,744,470
Ж	SUMMARY FY 2006 - FY 2010		\$750,000	80	80	21.500,000	\$1.500,000	\$1,500,000	30	08	\$125,000	\$1,000,000	\$2,500,000	\$500,000	\$200,000	000 0503	3230 DOC	593,170,773	\$255,197,341	\$11.8 368.114
,	FY 2010					\$500,000	\$500,000	\$500,000			\$25,000				\$200,000	000 030	250,000	\$8,320,000	\$52,860,000	663 180 000
	FY 2009		8750,000			\$500,000	8500,000	\$500,000			\$25,000					200	\$50,000	\$11,370,000	\$82,000,000	000 070 000
Ξ	FY 2008					000'005'S	000'0058	8500,000			\$25,000		\$2,500,000				\$50,000	\$10,555,000	\$21,840,000	900 900 000
9	FY 2007	101									\$25,000	\$1,000,000		S500,000			\$50,000	\$26,800,000	\$58,370,000	-
G.	FY 2006										\$25,000						\$50,000	\$36,125,773	\$40,127,341	
	Proje	New Water 412 Projects	SCRWTP Membrane Replacement	Replace 12" WTM along US 41 from Raitlesnake Hammock Rd to east of Bridge (Note: Funding begins in 2012)	NERWTP RO Membrane Replacement (Note: Funding begins in 2016)	NCRWTP Technical Support Projects	SCRWTP Technical Support Projects	Water Facilities Technical Support Projects	NERWTP Technical Support Projects (Note, Funding begins in 2016)	SCRWTP One RO Reliability Well (Note: Funding begins in 2015)	CJS Equipment	Carres Dumo Station VED and Flectrical System Unorados	ACHIEF VITA Floresche	NUMBER OF STREET WAS ACCOUNTED WITHOUT COMMENCED 173	New YEDS ON MICKWIT Welliaght (Wells (3 wells by 2012, 3 wells by 2015, 3 wells by 2018, 3 wells by	2021, 3 wells by 2024)	SPWMD Grant Applications - Water	TOTAL WATER 412 PROJECTS	TOTAL WATER 411 PROJECTS	
***	Project Manager		EIB	SS	EB	E	8	E	. #	Æ	J.L.	DAG	MIC	ING.	MIC .	BIT	RC			
4	Project No. WBS No.																			
4			2006-40	2006-41	2006-42		+	+	-	2006-47	+	+	-	-		2000-5.5	2006-54			
	Fund/Type (1)(2)	1	412/R.R&E	412/R.R.&E	412/R RAE	A12/R RAE	ATOM R&F	417/R R&F	412/R R&E	412/R.R.R.E.	413/B B&E	ALOND DOLE	412/K KOE	4 2/K K&E	412/K,K&E	4 Z/K K&E	412/R R&E			

Noties:

1. 141/GD = Growth Driven
2. 415/GE &E Secrewal, Replacement & Enhancement
3. 415/GE &E & Recewal, Replacement & Enhancement
3. 415/GE based on 2006 defines with eight percent inflation per year.
4. No contingency costs are applied to the project cost teads for FY2006 thorugh FY 2010.

COLLIER COUNTY GOVERNMENT PUBLIC UTLITIES ENGINEERING DEPARTMENT 2005 WATER MASTER PLAN UPDATE

CAPITAL IMPROVEMENT PROJECTS FY 2011-2025 WATER TREATMENT, TRANSMISSION AND DISTRIBUTION

Greeley and Hansen LLC 6 10:00 Jun 06

ssion Distribution	5316.7001		Science and		328,900 340,400	S8.700.000			Sheet seems	55,000,000			1 700 0000	S4_//MAKKA	\$4,600,000	\$800,000	\$2,400,000	\$12,900,000	\$15,500,000		and the control of th	\$1.730,000					000	\$10,100,000	86,500,000	85,000,000	86,000,000		F
Water Transmission							Q	00			0	8			*		8	S		00			000	000	000	000		~				000	000
Water	ON PERSON	2310,/1			\$28,300		XX0,0X0,0XX	\$9,000,000	26,300,000		\$14,300,000	\$38,600,000	\$136,600,000							\$58,200,000	\$42,600,000		\$13,640,000	\$35,100,000	\$550,000	\$600,000	\$3,900,000					\$8,000,000	\$30,600,000
SUMMARY FY 2011 - FY 2025	1000	000,000g	000'0055	82,800,000	000'588	\$8,700,000	\$30,000,000	89,000,000	36,300,000	\$5,000,000	\$14,300,000	\$38,600,000	\$136,600,000	\$4,700,000	84,600,000	2800,000	\$2,400,000	\$12,900,000	\$15,500,000	\$58,200,000	\$42,600,000	\$1,750,000	\$13,640,000	\$35,100,000	\$550,000	3600,000	\$3,900,000	\$10,100,000	36,500,000	85,000,000	86,000,000	88,000,000	000,009,003
FY 2021 - FY 2025 (3)		\$400,000					T X														\$8,400,000										\$2,500,000		
FY 2016 - FY 2020 (3)		8300,000				84,800,000		000'000'6\$	86,300,000				890,900,000		84,600,000				\$15,500,000	\$37,800,000	\$34,200,000			\$28,700,000							\$2,000,000		CON CONTRACTOR
FY 2011 - FY 2015 (3)		\$250,000	\$200,000	87,800,000	385,000	\$3,900,000	\$30,000,000			000'000'53	\$14,300,000	238,600,000	\$45,700,000	\$4,700,000		8800,000	\$2,400,000	\$12,900,000		\$26,400,000		\$1,750,000	000'099'E13	86,400,000	8550,000	2600,000	\$3,900,000	\$10,100,000	86,500,000	000'000'53	S1,500,000	88,000,000	
Project Name	Water 411 Projects	Water Master Plan Updates	Contumissioning of Inmokalee 36: WTM	East Central 16" Water Transmission Main	Water Sursoly Facilities World Plan	Curica Road Perahle Water ASR (5 wells)	5 MCD NERWITP Welffield Expansion to 15 MGD Phase 1A.2	SCRWTP Line Softening New 4th Reactor	Unitize Line Softening Reactor No. 1 at SCRWTP	Marratoe Roud Four New Potable Water ASR Wells	NERWTP - New 10 MGD Water Treatment Plant Plans 1A (See Note 4)	NERWTP - New 5 MGD Expansion to 15 MGD Phase 1A.2 (See Note 4)	SERWTP Plase 1 - New 12 MGD Water Treatment Plunt (See Note 4)	Radio Road Parallel 20" WTM Livingston to Santa Barbara	Goodlette-Frank Rd Parallel 24" WTM Upgrade - VBR to franskalee	Upstace Existing 12 WTM to 16" WTM along US 41 from Rattlesmake Harmock Rd to cast of	Venderhält Britis: Bratifet 12" WTM Untertalle North from Immittalies	ITG 41 Pureffel 34" WTM Hounds Southeast from Minnige PS	Immusia lee Donal Durallel 20" and 30" WTM Unerades	NERWTP Phase 18 10 McD Expansion to 25 McD (See Note 4)	NERWTP Plane (C 5 MGD Expansion to 30 MGD (See Note 4)	Now Water Main from Orange Tree Treatment Plant to NERWTP	Lower Tamarra Transmission Ingrovements	NERWTP Phase 1B 10 MGD Wellfield Expunsion to 25 MGD (See Note 4)	Eastern Lands Freshwater Supply	SCIEWTP Filters and Recarbonation Basin	Program Management and Oversight for NE Utility Facility	NEDWITCH Phase 18 Row Water Physims	New 24" WTM on Rattlesmake Harmock Road from US 41 to CR 951	New 16" WTM alone US 41 from CR 951 to Barctice Williams Road	Manatee/Carica Pumping Station Improvements	NERWTP Wellfield Two 24" Raw WTM's along Immokalee Road to Wilson Blvd. (See Note 4)	Antistration with the first the firs
Project Manager		PK	VCI	CN	15	X	AA	33	SS	Se Se	HH	HH	VV	WM	WM	WW	ww	MM	MM	WM	WM	HH	HB	VV	VV	35	WM	AA	WW	WM	AA	3	717
WBS No.		700703	700932	701401	301751	1708071	708002	710012	710232	701571	709021	709022																					
Project No.		20020	70003	70140	20175	70807	77800	71001	71023	25102	70902	70902	3006-1	2006-2	2006-4	2006-6	3000.0	3005.0	10000000	3006-11	2006-12	1006-11	2006-14	3006-15	2006-16	3006.17	2006-18	20000	2006.13	3006.34	2006-24	3006-25	200000
Fund/Type (1) (2)		411/GD	411/635	411/(3)	411/620	ATTACAS.	411/6253	ATTICES	411/GD	411/GD	GENTLY	411/GD	411/GD	4H/GD	411/GD	411/GD	WALLES.	THE PERSON	411400	4114513	STATISTIC	481/GD	461/GD	411/GD	ALLICIO	ALLIAN	ALL MED	Contract of the Contract of th	ALL MAN	411633	411/GD	411/GD	

COLLIER COUNTY COVERNMENT PUBLIC UTLITIES ENGINEERING DIPARTMENT 2005 WATER MASTER PLAN UPDATE

CAPITAL IMPROVEMENT PROJECTS FY 2011-2025 WATER TREATMENT, TRANSMISSION AND DISTRIBUTION

Greeley and Hansen LLC 6 10:00 Jun 06

Water		T							\$345,000	\$29,300	\$374,300		04 100 000	24,1100,000		0.000.000	STROWN	000 000 53	Shippenshippen			\$250,000	\$100,000	\$1,000,000	5441 667	No.	6316.667	noint co						
Water Transmission Di		18		88,900,000	000'000'62\$			\$3,700,000	\$183,895,000	\$15,616,900	\$199,511,900	COLUMN TOWN TOWN	53,500,000				8130,000	-				0000050	0.000 0000	0000000	2441.667	3441,000	00000000	3310,007	000,0353	ar Standard			82,500,000	
	\$25,600,000	\$29,000,000	S8,700,000			895,100,000	259,600,000		\$711,835,000	\$60,451,300	\$772,286,300				85,175,000	\$12,900,000	\$150,000	33,000,000	des son desi	23,300,000	53,800,000	\$2,500,000,000	323/janu	5100,000	31,000,000	\$441,667	\$3,300,000	\$316,067	\$12,400,000	000,000,00	32,000,000 62,600,000	21 STO COOL	at-Junatura	63 500 000
SUMMARY FY 2011 - FY 2025	\$25,600,000	\$29,000,000	88,700,000	88,900,000	\$79,000,000	\$95,100,000	0000099558	\$3,700,000	\$896,075,000	\$76,097,500	\$972,172,500		\$3,000,000	\$4,100,000	55,175,000	\$12,900,000	\$450,000	000,000,52	000'000'58	83,300,000	000'008'5%	\$5,300,000	\$750,000	000'0065	53,000,000	\$1,325,000	83,300,000	000'0568	\$12,300,000	\$750,000	\$5,600,000	37,300,000	NACCOUNTY OF A	CONTRACTOR
FY 2021 - FY 3025 (3)	\$4,700,000		\$8,700,000			\$18,700,000	000'00E'11S		\$54,700,000	\$8,320,000	\$63,020,000		\$1,000,000			\$7,200,000	\$150,000		\$2,100,000				\$250,000	2100,000	21,000,000	\$500,000	81,400,000	\$400,000	86,100,000		\$2,500,000	22.500,000	\$2,500,000	22,300,000
FY 2016 - FY 2020 (3)	\$20,900,000	\$29,000,000			000'000'62\$	C76 400 (000)	\$48,000,000	000000000000000000000000000000000000000	8530,900,000	\$55,360,000	\$586,260,000		000'000'18	24,100,000		\$5,700,000	\$130,000	000'000'53	21,600,000	83,300,000	\$1,900,000	83,100,000	2250,000	8100,000	000'000'18	\$450,000	\$1,100,000	8300,000	24,600,000		83,100,000	\$2,500,000	\$2,500,000	82,500,000
FY 2011 - FY 2015 (3)				000'006'88				0.00 0.00 5.5	\$310 475 000	\$12,417,500	\$322,892,500		000000018		\$5,175,000		\$150,000		81,300,000		\$1,900,000	\$2,200,000	\$250,000	\$100,000	\$1,000,000	000'521'8	000'0085	\$250,000	\$1,600,000	8750,000		\$2,500,000	\$2,500,000	\$2,500,000
Project Name	NERWIP Phase 1C 5 MGD Welifield Expansion to 30 MGD (See Note 4)	NERWTP Phase 1C Raw Water Pipeline (See Note 4)	North County Welffield Interconnection Pipelines	New 24" WTM on Isle of Capri Road from Mananee Road south to Port Au Prince Road	Now life WITH from NEW WIP to intercention of CR 45; and CR; Wall	TOTAL BILLIANS	SERWTP Pluse 2 - 12 MGD Expansion to 24 MGD	SEKWIT THIS A WEIGHT EXPESSION O'CASE AND COMMUNICATION	New 24. W. D. Con Kellio Kolid Detween Sunia Dakuman Lawas 2000	CONTENCE ATT TOPICS	TOTAL WATER AH PROJECTS	Water 412 Projects	FIXXT Joint Project Agreements - Water	Auto Meter Read Installation (See Note 4)	Tumianii Well Replacement Program (Well Non. 38-42 - See Note 4)	Transami Well Renlacement Program (2 new wells every 5 veins - See Note 4)		SCRWTP Line Soltening New Fourth Reactor	Distribution System Renewal and Replacement (See Note 4)	Upaize Line Softening Reactor No. 1 at SCRWTP	Injection Well Regults	NCRWITP RO Membrane Replacement (Every six years from 2008)	Continuing Perfessional GIS Services (See Note 4)	10 Year Water Supply Facilities Work Plats	Water System SCADA/Telemetry Improvements (See Note 4)	Water SCADA Systems Software and Support Renewals (See Note 4)	NCRWTP Nanofilter Replacement (Every six years from 2005)	Water Muster Plan Updates	SCRWTP Membrane Replacement	Replace 12" WTM along US 41 from Ratthemake Hammock Rd to east of Boldgo	NERWTP RO Membrane Replacement	NCRWTP Technical Support Projects (See Note 4)	SCRWTP Technical Support Projects (See Note 4)	Water Facilities Technical Support Projects (See Note 4)
Project Manager	VV	VV	VV	WM	AUA.			AA	WM				RD	Pt.	HB	118	PK	SS	M.	SS	FIRS	118	LL	PK	NO	DM	HB	PK	HB	88	HB	HI.	HB	113
WBS No.													200451	700761	701583	701484	702023	710011	710101	710231	710412	710431	210451	710471	710551	710561	725201	750071						
Project No.	2006-30	2000-11	2006-32	2006-34	30 2000	2006-33	2006-36	2006-33	2006-55				TOTALS	70076	70158	Thirtie	70302	71001	71010	71023	71041	71043	71045	71047	71055	71056	32530	25007	2006-40	2006-41	3006-42	2006-43	2006-44	2006-45
Fund/Type (1) (2)	411/CD	4116733	411/GD	411/GID		411/GED	411/GD	4LI/GD	dD/11+			1	313/B B B B	417/R.R.R.E.	412/R.R&B	213/0 00/17	413/8 8.615	ATOR RAFE	412/R.RAE	412/R.R.R.E.	413/R.R.W.E	412/R.R.R.E	412/R.R.R.E	412/R.R&E	412/R.R.R.B	412/R.R&E	A13/R R&E	412/8 RAE	412/R.R.M.E.	412/R.R.R.E	412/R.R.&E	412/R.R&E	412/R,R&E	412/R,R&E

COLLIER COUNTY GOVERNMENT PUBLIC UTILITIES ENGINEERING DEPARTMENT 2005 WATER MASTER PLAN UPDATE

CAPITAL IMPROVEMENT PROJECTS FY 2011-2025 WATER TREATMENT, TRANSMISSION AND DISTRIBUTION

Greeley and Hansen LLC 6 10:00 Jun 06

Window	Water				\$11,358,333	1112 7030	\$260,719	\$11.945,040		5374,399		\$12,319,340	15%
	Water Transmission				\$13,508,333		8697,770	\$14.206.100	-	\$199,511,900		\$213,718,000	%61
	Water	000 009 63	92,000,000	\$42,278,800	\$122 312 133		\$6,318,020	0110 K20 1E0	\$14000,001¢	8772,286,300		\$900,916,450	80%
	SUMMARY FY 2011 - FY 2025	100000000000	32,000,000	\$42,278,800	A 44 47 578 800	Company of the Co	\$7,602,500	State was a new	5154,781,700	8972,172,500		\$1,126,953,800	
-	FY 2021 - FY 2025 (3)			\$14,382,000	200 000 000	340 007 nnn	\$1,265,000		849,347,000	563 020 000	and the second	\$112,367,000	
	FY 2016 - FY 2020 (3)			\$15,827,000		260,077,000	\$4.700.000		864,777,000	1000 000 2022	and the section of th	\$651,037,000	
	FY 2011 - FY 2015 (3)		\$2,600,000	\$12,069,800		839,019,800	005 259 15	100 mg	\$40,657,300	Con son seed	3322,692,500	\$363,549,800	
	Project Name		SCRWTP One RO Reliability Well	Hawthorn Future Retiability Wells (3 wells by 2012, 3 wells by 2015, 3 wells by 2018, 3 wells	by 2021; 3 Wells by 2024) (See Indie 4)	Subtotal Water 412 Projects	CONTINUENCO	CONTRACTA	TOTAL WATER 412 PROJECTS		TOTAL WATER 411 PROJECTS	TOTAL ALL WATER PROJECT FUNDS ALLOCATED PER FY	
Q	Project Mamager		HB	IIB									
C	WBS No.												
В	Project No.		2006-47	2006-53									
٧	Fund/Type		412/R R&E	412/R.R.R.E	Washington,								

Notes:
1. 411/KP = Crowth Drivan
2. 412/R,R&E = Remeaul. Replacement & Enhancement
2. 412/R,R&E = Remeaul. Replacement & Enhancement
3. Costs based on 2006 dollars with eight percent inflation per year.
4. No contragency costs for these projects are applied to the total costs as follows (except for projects as applied to the total costs as follows (except for projects as 2011 to PV 2015
20 Percent Contragency for Projects in PY 2016 to PV 2025

D 0	0															
Water System Estimated Summary	ed Summary															
Capital Expenditures and Funding Sources (\$ millions)	nd Funding Sources	(\$ millions)		Fisca	Fiscal Year Ending September 30	na Septem	per 30.		FY	FY 2006 - FY 2011	2011	FY 20	FY 2006 - FY 2010	010	FY 2007	FY 2007 - FY 2011
Colors Coop is a coop in the c	Todou A		2006	2007	2008	2009	2010	2011	Amount	ount Pe	Percent	Amount	nt Percent	ent	Amount	Percent
Water System Capital Expenditures	Expenditures					0000	0000	0000	ě	7 00000	75 640%	07.780		73 16%	276.40	+
Expansion Related Projects	lects		41.90	60.10	30.80	82.00	05.30	3 30	, 0	+	22 92%	93.20	-	25.47%	60.40	
R&R Projects Departmental Capital			0.70	1.10	1.00	1.00	1.20	1.20			1.47%	9:00	Н	1.37%	5.50	1.61%
Total Capital Expenditures	Seu		78.70	88.00	42.40	94.40	62.40	55.10	42	421.00 10	100.00%	365,90		100.00%	342.30	100.00%
Water System Funding Sources	a Sources												\Box		10.01	
Sariae 2008 Ronds	20000		20 90	14.80	4.50	00.00	0.00	0.00	4	40.20	9.55%	40.20		10.99%	19.30	1
State Revolving Fund Loans	oans		21.80	41.80	15.00	00.0	00.0	0.00	7		18.67%	78.		21.48%	56.80	
Additional Senior Lien and Commercial Paper	and Commercial Pa	Der	16.10	13.30	2.90	49.20	34.70	32.90	1,	201	35.42%	116		31.76%	133.00	37.70%
Water Impact Fees			7.70	3.60	11.30	40.40	18.20	17.70	O		23,49%	81.20	1	22.19%	81.20	+
Water Capital Account Transfers	Transfers		11.50	13.40	7.70	3.80	8.30	3,30	4		11.40%	44		12.22%	30.00	+
Annual Rate Revenue			0.70	1.10	1.00	1.00	1.20	1.20		6.20	1.47%	2.00		1.37%	0.00	
Total Funding Sources			78.70	88.00	42.40	94.40	62.40	55.10	4	421.00 1	100.00%	365	365.90 10	100.00%	342.30	0 100.00%
					Forecast Period (\$ millions)	4 6										
WATER SYST	WATER SYSTEM MAJOR CAPITAL PROJECTS:	AL PROJEC	TS:													
Expansion-Related Projects	lated Projects		i		6											
NERW IP New	NERWIP New 10 MGD Water Treatment Plant Phase 1A	eatment Plan	L Phase 1A		1.104			1								
NERWTP Pha	NERWTP Phase 1A Wellfield for 10 MGD Capacity	10 MGD Cap	acity		03.0											
SCRWIPRO	SCRW IP RO Wellneid Expansion				23.0											
SCRWIPTE	TOTAL EXPANSION				2.00											
NCRWTP High	NERW IP New 5 MGD EXP to 15 MGD NCRWTP High TDS RO Skids	MGD			1.3			/								
Renewal and	Renewal and Replacement Projects	ects														H
MCDWTD New	NORWTD New Hawthorn Walls				\$14.3		/									
NCRWTP RO	NCRWTP RO Wellfield Reliability				12.5		/									
TOTAL WATE	TOTAL WATER SYSTEM MAJOR CAPITAL PROJECTS	R CAPITAL	ROJECTS		\$272.8		/									
All Other Wate	All Other Water System Projects				\$141.9											
TOTAL WATE	TOTAL WATER SYSTEM CAPITAL PROJECTS	AL PROJEC	S		\$414.8											
Departmental	Departmental Capital - Water System	tem			\$6.1	\										
						1										
TOTAL WATER SYSTEM CAPITAL IMPROVEMENT PROGRAM																

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COUNTY SEWER TREATMENT AND COLLECTION SYSTEM

CONTENTS

- LOSS ASSESSMENT FOR THE NORTH COUNTY WATER RECLAMATION FACILITY (NCWRF) SERVICE AREA
- CHART FOR THE NCWRF LOSS: 145 GPC/PD
- LOSS ASSESSMENT FOR <u>PROPOSED</u> NORTHEAST WATER RECLAMATION FACILITY (NEWRF) SERVICE AREA
- CHART FOR THE <u>PROPOSED</u> NEWRF LOSS: 120 GPC/PD
- LOSS ASSESSMENT FOR THE SOUTH COUNTY WATER RECLAMATION WATER RECLAMATION FACILITY (SCWRF) SERVICE AREA
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- WASTEWATER SYSTEM-LEVEL OF SERVICE STANDARDS (LOSS) ASSESSMENT CHANGES FROM 2005 AUIR
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- CAPITAL IMPROVEMENT PROJECTS FY 2011-2025 WASTEWATER AND IRRIGATION QUALITY WATER
- MAPS OF SERVICE AREAS

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

02 Nov 06

	2	3	4	5	6	7	7a
Fiscal Year	Peak Population (Seasonal)	Required Treatment Capacity @ 145 gpcd MGD	Constructed Plant Capacity On- line MGD	New Plant Capacity	Total Available Constructed Capacity MGD	Retained/ (Deficit) Constructed Capacity MGD	Retained/ (Deficit) Constructed Capacity Target Values MGD
2001	88,483	12.83	12.30	6.50	18.80	5.97	1.0 (Min) - 8.0 (Max)
2002	96,676	14.02	18.80		18.80	4.78	1.0 (Min) - 8.0 (Max)
2003		15.16		- 10	18.80	3.64	1.0 (Min) - 8.0 (Max)
2004	111,391	16.15			18.80	2.65	1.0 (Min) - 8.0 (Max)
2005		17.20		5.30	24.10	6.90	1.0 (Min) - 8.0 (Max)
2006		18.40			24.10	5.70	1.0 (Min) - 8.0 (Max)
2007	135,538				24.10	4.45	1.0 (Min) - 8.0 (Max)
2008		20.95			24.10	3.15	1.0 (Min) - 8.0 (Max)
2009		22.31	24.10		24.10	1.79	1.0 (Min) - 8.0 (Max)
2010			24.10	6,50	30.60	7.11	1.0 (Min) - 8.0 (Max)
2011	166,911	24.20	30.60		30.60	6.40	1.0 (Min) - 8.0 (Max)
2012		25.89	30.60		30.60	4.71	1.0 (Min) - 8.0 (Max)
2013			30.60		30.60	2.59	1.0 (Min) - 8.0 (Max)
2014			30.60		30.60	1.51	1.0 (Min) - 8.0 (Max)
2015			30.60		30.60	0.40	1.0 (Min) - 8.0 (Max)

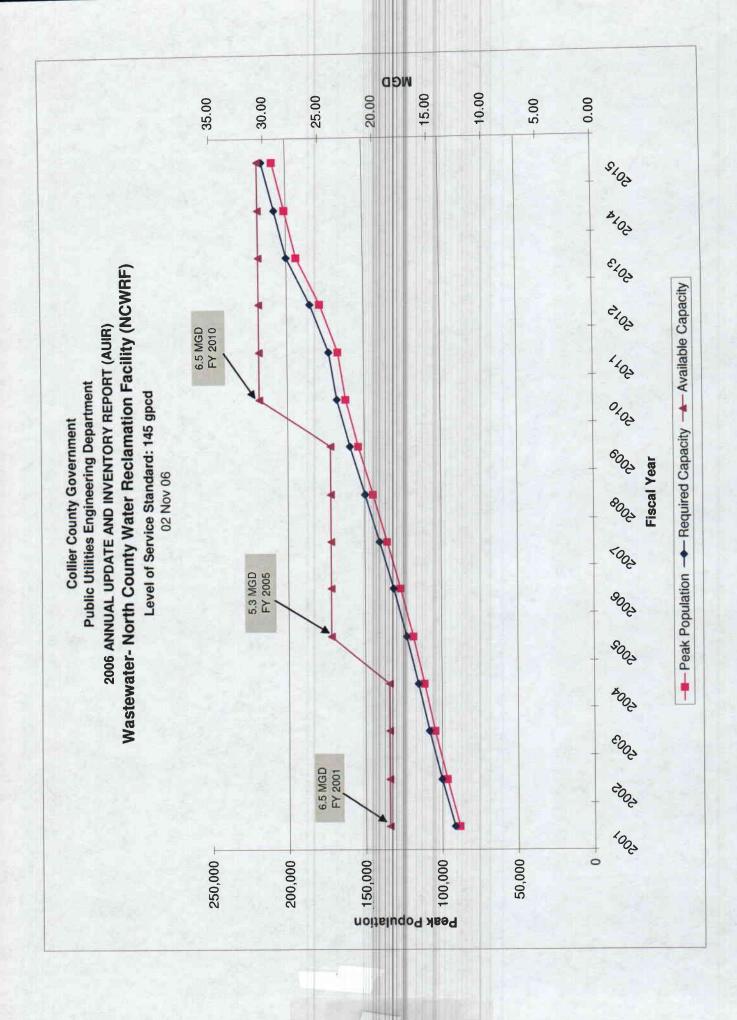
The NCWRF ultimate capacity is reached in 2015.

Notes: (References are to the column numbers above)

- 1. Fiscal Year starts October 1 and ends September 30.
- 2. 2001 2015 Peak Population (Seasonal) estimates and projections for the existing service area are based on the "Collier County Water & Sewer Districts Population Estimates and Projections" dated September 27, 2006, prepared by Collier County Comprehensive Planning Department. Populations are based on using BEBR High Range growth rate through 2011 and 95% of BEBR High Range growth rate from 2012 through 2015. The NCWRF ultimate capacity is reached in 2015. The service area peak population and required capacity for the NCWRF do not change after 2015.
- 3. Required Treatment Capacity @ 145 gpcd is obtained by multiplying the Peak Population (Seasonal) (Column 2) times 145 gallons per capita (peak population) per day. 145 gpcd is the established level of service standard (LOSS) for the North Service Area as adopted in the 2005 Wastewater Master Plan Update.
- Constructed Plant Capacity On-line is the treatment 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).
- 5. New Plant Capacity schedule is as follows:

Fiscal Year	New Plant Capacity	Description	Source of Information
2001	6.5 MGD	Expansion to NCWRF	Completed
2005	-1.2 MGD	Pelican Bay plant removed from service	Completed
2005	6.5 MGD	Expansion to NCWRF	Completed
2010	6.5 MGD	Expansion to NCWRF	2005 Wastewater Master Plan Update

- 6. Total Available Constructed Capacity in MGD (Column 4 + Column 5).
- 7. Retained/(Deficit) Constructed Capacity is the difference between Total Available Constructed Capacity (Column 6) and Required Treatment Capacity (Column 3).
- 7a. Retained/(Deficit) Constructed Capacity Target Values for planning purposes are 1.0 MGD minimum and 8.0 MGD maximum through FY 2015, when ultimate plant capacity is reached. The target minimum capacities represent the projected increase in the next year's wastewater flow (peak population times level of service standard) and the target maximum capacities represent the projected increase in wastewater flow for the next eight years.



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

02 Nov 06

4	2	3	4	5	6	7	7a
Fiscal Year	Peak Population (Seasonal)	Required Treatment Capacity @ 120 gpcd MGD	Constructed Plant 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
2011	8.035	1.09	0.00	4,00	4.00	2.91	0.9 (Min) - 7.2 (Max)
2012	22,858	2.87	4.00		4.00	1.13	0.9 (Min) - 7.2 (Max)
2013	24,505		4.00		4.00	0.93	0.9 (Min) - 7.2 (Max)
2014	26,220	-	4.00	4.00	8.00	4.72	0.9 (Min) - 7.2 (Max)
2015	27,969		8.00		8.00	4.51	0.9 (Min) - 7.2 (Max)
2016			8.00		8.00	3.31	0.9 (Min) - 7.2 (Max)
2017	45,455	- COLUMN TO SERVICE STATE OF THE PERSON STATE			8.00	2.07	0.9 (Min) - 7.2 (Max)
2017	100000000000000000000000000000000000000			4.00	12.00	4.78	0.9 (Min) - 7.2 (Max)
					12.00	3.45	0.9 (Min) - 7.2 (Max)
2019	- Contract C				12.00		0.9 (Min) - 7.2 (Max)
2020				-111111	12.00	- Control of the Cont	0.9 (Min) - 7.2 (Max)
2021	82,074		-	4,00			0.9 (Min) - 7.2 (Max)
2022					16.00		0.9 (Min) - 7.2 (Max)
2023		1.515.0			16.00	-	0.9 (Min) - 7.2 (Max)
2024				4.00		The state of the s	0.9 (Min) - 7.2 (Max)
2025							0.9 (Min) - 7.2 (Max)
2026	128,459	17.62	20.00		20.00	2.30	0.5 (WIII) - 7.2 (WIAX)

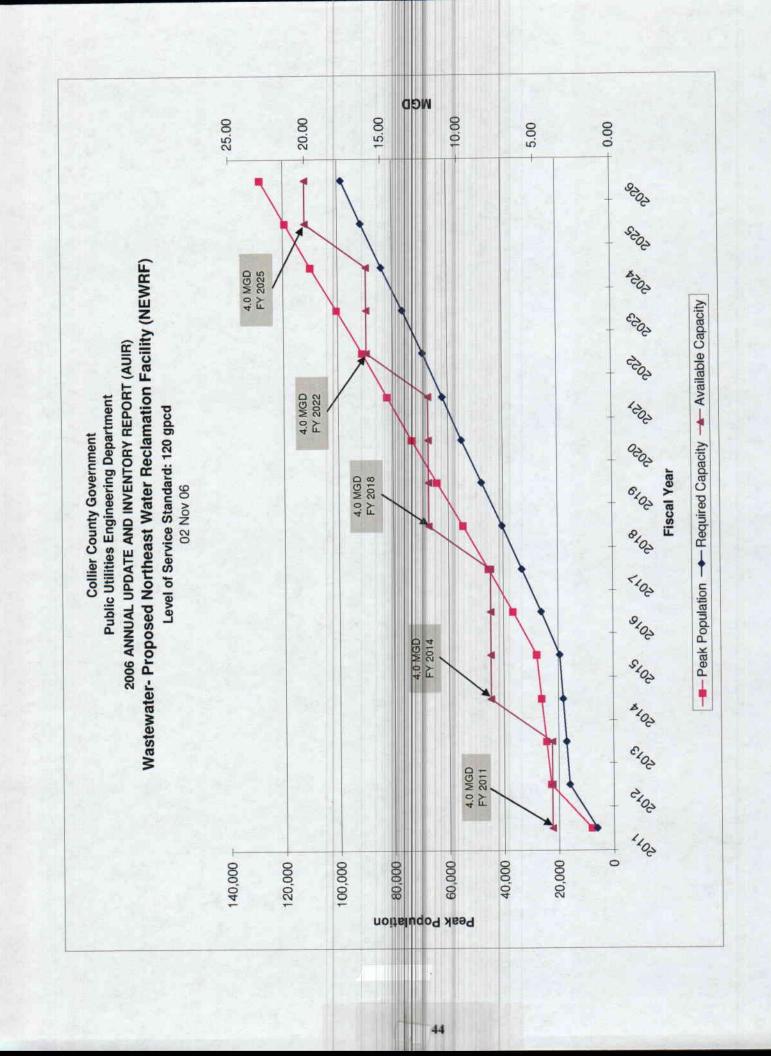
The NEWRF is constructed and ready for service in 2011.

Notes: (References are to the column numbers above)

- 1. Fiscal Year starts October 1 and ends September 30.
- 2011 2026 Peak Population (Seasonal) estimates and projections for the existing service area are based on the "Collier County Water & Sewer Districts Population Estimates and Projections" dated September 27, 2006, prepared by Collier County Comprehensive Planning Department. Populations are based on using BEBR High Range growth rate through 2011 and 95% of BEBR High Range growth rate from 2012 through 2026.
- 3. Required Treatment Capacity @ 120 gpcd is obtained by multiplying the Peak Population (Seasonal) (Column 2) times 120 gallons per capita (peak population) per day. 120 gpcd is the established level of service standard (LOSS) for the North Service Area as adopted in the 2005 Wastewater Master Plan Update.
- Constructed Plant Capacity On-line is the treatment 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).
- 5. New Plant Capacity schedule is as follows:

Fiscal Year	New Plant Capacity	Description	Source of Information
2011	4.0 MGD	New NEWRF	2005 Wastewater Master Plan Update
2014	4.0 MGD	Expansion to NEWRF	2005 Wastewater Master Plan Update
2018	4.0 MGD	Expansion to NEWRF	Recommended based on 27 Sep 06 CDES population projections
2022	4.0 MGD	Expansion to NEWRF	Recommended based on 27 Sep 06 CDES population projections
2025	4.0 MGD	Expansion to NEWRF	Recommended based on 27 Sep 06 CDES population projections

- 6. Total Available Constructed Capacity in MGD (Column 4 + Column 5).
- 7. Retained/(Deficit) Constructed Capacity is the difference between Total Available Constructed Capacity (Column 6) and Required Treatment Capacity (Column 3).
- 7a. Retained/(Deficit) Constructed Capacity Target Values for planning purposes are 0.9 MGD minimum and 7.2 MGD maximum through FY 2026. The target minimum capacities represent the projected increase in the next year's wastewater flow (peak population times level of service standard) and the target maximum capacities represent the projected increase in wastewater flow for the next eight years.



Collier County Government Public Utilities Engineering Department 2006 ANNUAL UPDATE AND INVENTORY REPORT (AUIR)

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

02 Nov 06

	2	3	4		5	6	7	7a
Fiscal Year	Peak Population (Seasonal)	Required Treatment Capacity @ 100 gpcd MGD	Constructed Plant Capacity On- line MGD	Cap	Plant pacity	Total Available Constructed Capacity MGD	Retained/ (Deficit) Constructed Capacity MGD	Retained/ (Deficit) Constructed Capacity Target Value MGD
2001	96,056	PRINTED.	9.20			9.20	(0.41)	0.26 (Min)
2002	99,816	- Control of	9.20			9.20	(0.78)	0.26 (Min)
2003	The second second second		200000000000000000000000000000000000000			9.20	(1.19)	0.26 (Min)
2004					6.80	16.00	5.20	0.26 (Min)
2005		Louisia	16.00			16.00	4.59	0.26 (Min)
2006						16.00	3.88	0.26 (Min)
2007	128,624		16.00	11111		16.00	3.13	0.26 (Min)
2007			-			16.00	2.33	0.26 (Min)
2009		1000000	-			16.00	1.48	0.26 (Min)
2010			100000			16.00		0.26 (Min)
773.554.177.54						16.00		0.26 (Min)
2011						16.00		0.26 (Min)

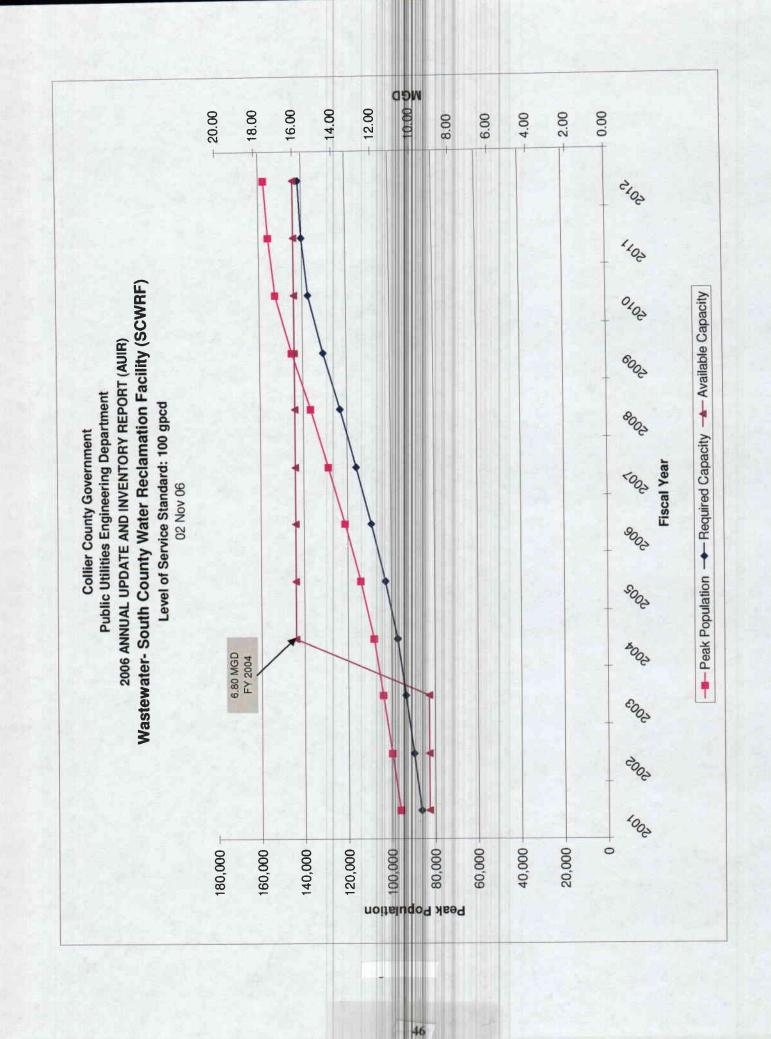
The SCWRF ultimate capacity is reached in 2012.

Notes: (References are to the column numbers above

- 1. Fiscal Year starts October 1 and ends September 30
- 2. 2001 2012 Peak Population (Seasonal) estimates and projections for the existing service area are based on the "Collier County Water & Sewer Districts Population Estimates and Projections" dated September 27, 2006, prepared by Collier County Comprehensive Planning Department. Populations are based on using BEBR High Range growth rate through 2011 and 95% of BEBR High Range growth rate for 2012. The SCWRF ultimate capacity is reached in 2012. The service area peak population and required capacity for the SCWRF do not change after 2012.
- 3. Required Treatment Capacity @ 100 gpcd is obtained by multiplying the Peak Population (Seasonal) (Column 2) times 100 gallons per capita (peak population) per day. 100 gpcd is the established level of service standard (LOSS) for the South Service Area as adopted in the 2005 Wastewater Master Plan Update.
- Constructed Plant Capacity On-line is the treatment 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).
- 5. New Plant Capacity schedule is as follows:

Fiscal Year	New Plant Capacity	Description	Source of Information
2004	6.8 MGD	Expansion to SCWRF	Completed

- 6. Total Available Constructed Capacity in MGD (Column 4 + Column 5).
- 7. Retained/(Deficit) Constructed Capacity is the difference between Total Available Constructed Capacity (Column 6) and Required Treatment Capacity (Column 3).
- Retained/(Deficit) Constructed Capacity Target Value for planning purposes is 0.26 MGD minimum through FY 2012, when ultimate plant capacity is reached.



Collier County Government Public Utilities Engineering Department 2006 ANNUAL UPDATE AND INVENTORY REPORT (AUIR)

WASTEWATER SYSTEM - LEVEL OF SERVICE STANDARDS (LOSS) ASSESSMENT FOR PROPOSED SOUTHEAST WATER RECLAMATION FACILITY (SEWRF) SERVICE AREA

02 Nov 06

	2	3	4	5	6	7	7a
Fiscal Year	Peak Population (Seasonal)	Required Treatment Capacity @ 120 gpcd MGD	Constructed Plant 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
2014	7,220		0.00	4.00	4.00	3.28	0.7 (Min) - 5.6 (Max)
2015	13,582		4.00		4.00	2.58	0.7 (Min) - 5.6 (Max)
2016	20,168	1.750.000.00	4.00		4.00	1.90	0.7 (Min) - 5.6 (Max)
2017	26,975				4.00	1.21	0.7 (Min) - 5.6 (Max)
2018	34,008		4.00	4.00	8.00	4.49	0.7 (Min) - 5.6 (Max)
2019	41,276		8.00		8.00	3.74	0.7 (Min) - 5.6 (Max)
2020	48,289				8.00	3.03	0.7 (Min) - 5.6 (Max)
2021	55,022	-	The second second		8.00	2.34	0.7 (Min) - 5.6 (Max)
2022	61,951	-	8.00		8.00	1.63	0.7 (Min) - 5.6 (Max)
2023	69,078		8.00		8.00	0.90	0.7 (Min) - 5.6 (Max)
2024	76,412		8.00	4.00	12.00	4.15	0.7 (Min) - 5.6 (Max)
2025			12.00		12.00	3.42	0.7 (Min) - 5.6 (Max)
2026		9.30	12.00		12.00	2.70	0.7 (Min) - 5.6 (Max)

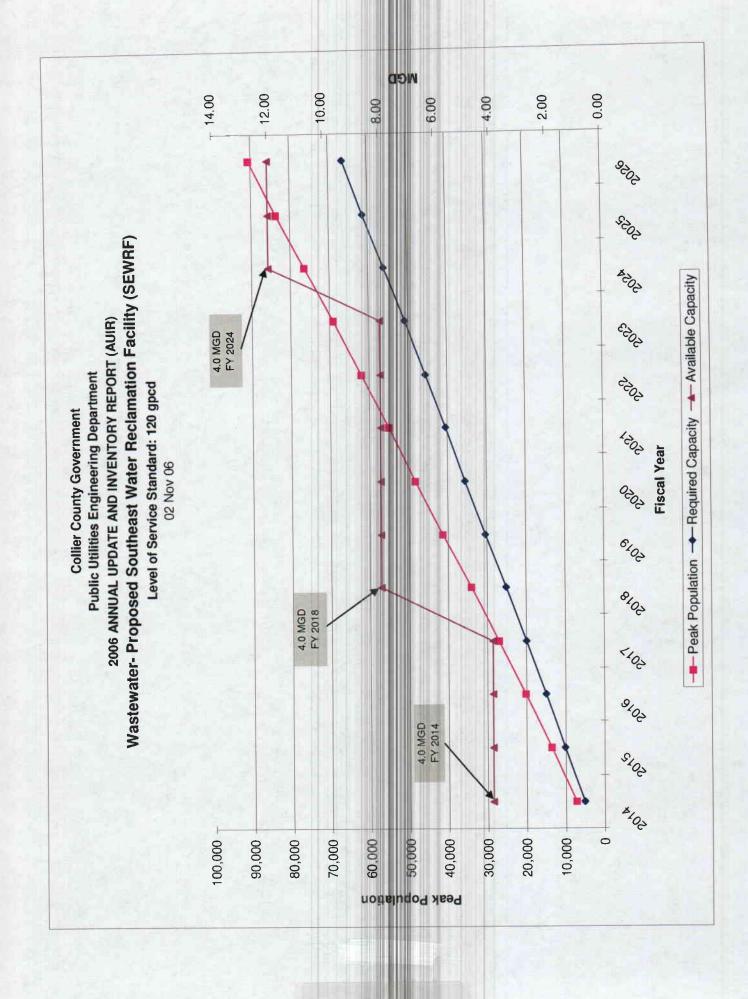
The SEWRF is constructed and ready for service in 2014

Notes: (References are to the column numbers above)

- 1. Fiscal Year starts October 1 and ends September 30.
- 2. 2014 2026 <u>Peak Population (Seasonal)</u> estimates and projections for the existing service area are based on the "Collier County Water & Sewer Districts Population Estimates and Projections" dated September 27, 2006, prepared by Collier County Comprehensive Planning Department. Populations are based on 95% of BEBR High Range growth rate from 2014 through 2026.
- 3. Required Treatment Capacity @ 120 gpcd is obtained by multiplying the Peak Population (Seasonal) (Column 2) times 120 gallons per capita (peak population) per day. 120 gpcd is the established level of service standard (LOSS) for the Southeast Service Area as adopted in the 2005 Wastewater Master Plan Update.
- Constructed Capacity On-line is the treatment 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).
- 5. New Plant Capacity schedule is as follows:

Fiscal Year	New Plant Capacity	Description	Source of Information
2014	4.0 MGD	New SEWRF	2005 Wastewater Master Plan Update
2018	4.0 MGD	Expansion to SEWRF	Recommended based on 27 Sep 06 CDES population projections
2024	4.0 MGD	Expansion to SEWRF	Recommended based on 27 Sep 06 CDES population projections

- 6. Total Available Constructed Capacity in MGD (Column 4 + Column 5).
- 7. Retained/(Deficit) Constructed Capacity is the difference between Total Available Constructed Capacity (Column 6) and Required Treatment Capacity (Column 3).
- 7a. Retained/(Deficit) Constructed Capacity Target Values for planning purposes are 0.7 MGD minimum and 5.6 MGD maximum through FY 2026. The target minimum capacities represent the projected increase in the next year's wastewater flow (peak population times level of service standard) and the target maximum capacities represent the projected increase in wastewater flow for the next eight years.



Collier County Government Public Utilities Engineering Department 2006 ANNUAL UPDATE AND INVENTORY REPORT (AUIR)

WASTEWATER SYSTEM - LEVEL OF SERVICE STANDARDS (LOSS) ASSESSMENT CHANGES FROM 2005 AUIR

02 Nov 06

New Plant Constructed Capacity Schedule:

- East Central Area population and wastewater flows are not shown separately since the East Central Water Reclamation Facility was deleted in the adopted 2005 Wastewater Master Plan
- 2. The following changes were made from the 2005 AUIR to match the 27 Sep 06 CDES populations and resulting wastewater flows:
 - NEWRF: 8.0 MGD Expansion in FY 2017 changed to 4.0 MGD in FY 2018 and 4.0 MGD in FY 2022; and 4.0 MGD Expansion in FY 2024 changed to FY 2025
 - SEWRF: 4.0 MGD Expansion changed from FY 2020 to FY 2018; and 4.0 MGD Expansion added in FY 2024 (from FY 2027 in 2005 Master Plan Update)

TABLE 8-2

COLLIRS COUNTY COVERNMENT
PUBLIC UTILITIES ENGINEBRING DEPARTMENT
2005 WASTEWATER MASTER PLAN UPDATE
CAPITAL IMPROVEMENT PROJECTS FY 2006 - 2010
WASTEWATER AND IRRIGATION QUALITY WATER

Greeley and Hansen LLC 6 10-00 Jun 06

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IQ Water									\$62,500																							25,000								
WW Cullection	17			64.000.000	301 313	Str. str.		000'0595	862,500													\$675,000										0.000	and the second							
WW Trans			200 111 000	31,111,330				2650,000	\$62,500		\$2,250,000	\$207,500	\$147,100		\$3,900,000	8200,000	27,200,000					\$675,000	\$96,000						600 010	370,417		OUT 22	22,VAA.							
WW Treatment		0.07 1.10 0000	217,110,000				\$126.543		862,500	842,000				\$200,000				\$150,000	\$550,000	BTR,4003,000	\$35,388			\$150,000	6990.000	00,000,00	DOD OOU CO	SAMMANAN SAMMAN	SOUNDOUGHOUSE	890,219	DOYCCTS	and the same	000°C\$				\$150,000			
Summary FY 2006- 2010		and and and	\$17,110,000	81,711,556	\$4,000,000	\$15,105	\$126,543	\$1,300,000	\$250,000	\$42,000	\$2,250,000	\$207,500	\$147,100	\$200,000	33,900,000	\$200,000	\$2,200,000	\$1000H	2550,000	STATE SECTION	\$35,988	91 350.000	296.000	CHEN TOTAL	THE STATE OF THE S	ALMON DOOR	31,000,000	\$3,000,000	380,600,000	\$180,438	8455,000		\$20,000	80	80	80	\$150,000	05	80	
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FY 2006			\$10,000	\$1,711,556		\$15,105	\$126,543		\$110,000	\$42,000	\$150,000	\$207,500	\$147,100		81,000,000	8200,000	8100,000	STSODOO	19891959	2000 AND 2000 B	835 000	de la constant	00,000,000	200,000	8150,000	8220,000	31,000,000	\$3,000,000	\$1,400,000	\$120,438	8105,000									
Project Name	WASTEWATER PROJECTS	Existing Wastewater 413 Projects	Southeast WRF Land Acquisition	VBR Force Main - Logan Blvd To Airport Rd	East Central Master Pumping Station Land Acquisition	Land Acquisition Study for East Central Master Pumping Station	SCWRF Safety Opgrades to Chemical Facilities	East Central Force Main, Master Pumping Station and Pretreatment Facility	Wastewater Master Plan Optiaes	NCWRP Flow Equalization	Master Pumping Station-Immokulee Road/ CR 951	VBR 16 FM-C R 951 to Logun RIvd	CR 951 16 FM-Immokalee Road to VBR	Bosslida Master Plan	Immokalee Road East 16 Force Main - Phases 1 and 2	Name Berkery Ewild Main	MPS-Immakales Road East Area "B"	SCWIP Interview Wells	AND COLUMN WHITE COURSE STORY	AND REGIONAL MAN TANGHAM SOME	Northeast Water Reclanation Pacifity	SEWRE-Land Augustient Study	2005 Pump Station Improvements	CR 951 Force Main Upstring	NCWRF Deep Injection Wells and Pumping Station	SCWRF Expansion	NCWRF Expansion to 24 mgd MMADF- Liquid and Solid Stream	NCWRF Expansion to 24.1 mgd MMADF. Solids Stream	NCWRF Expansion to 30 6 MGD	SRF Procurement	NCWRF Cupucity Analysis and Process Enhancement	New Wastewater 413 Projects	Growth Management Plan Update	Northeast WRF - 3 expansions (4.0 mgd, 8.0 mgd and 4.0 mgd) to 20.0 med (Note: Funding begins in 2011)	Southeast WRF (Note: Funding begins in 2011)	Southeast WRF Off Site Pipelines and Interconnection (Note: Funding	Featuration of Orangetree Utility System	Upgradt 4 Force Main from MPS 156 00 to Immokalee Road (Note: Funding besing in 2011)	Davis Boulevard 24" Force Main from MPS 312 00 to MPS 3.14 (Note:	Funding ochins in surviv
Project Manager			VV	RD	CN	CN		3	PK			П				III		П	Ш	П	111	VV.	88	HH	PG	VV	PS	Sd	PS	W	PS		SI	HH	٧٧	AA	92	WM	RD	
WBS No.			720011	720041	720051	720061	720081	725451	730663	177087	730791	730851	730861	730883	731311	100.000	731531	711541	- September 1	731331	231461	13531	739454	739461	739481	739492	739503	739502	739503	743101	750081		CHILL	CHI	CHIL	CINT	TBD	CHI	TBD	
Project No.			72001	72004	73005	72006	72008	72545	73066	73077	73079	73085	73086	7308X	73131	21112	21151	23154	A STATE OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN C	44133	711166	73137	73945	73946	7394K	73949	73950	73950	73950	74310	75008		2006-1	2006-2	2006-3	2006-4	2006-5	2006-6	2006-7	
(1) (2)			413/GD	413VCID	413/GD	413/GD	413/GD	413/GD	CENTIL	4130(10)	CENTER	413KED	GENETA	413/615	413XID	A) TACIES	ALAKES	TIA STATE	ALMANA.	413/kiD.	STREET	413/GD	413/CID	413/CD	413AGD	413XGD	413/GD	413/GD	413/KID	413/GD	413/GD		413/GD	413/GD	413/GD	413/GD	413/GD	413XGD	413/GD	

TABLE 8-2

COLLER COUNTY GOVERNMENT
PUBLIC UTILITIES ENGINEERING DEPARTMENT
2005 WASTEWATER MASTER PLAN UPBATE
CAPITAL IMPROVEMENT PROJECTS FY 2006 - 2019
WASTEWATER AND IRRIGATION QUALITY WATER

Greeley and Hansen LLC

10 Water				T				\$67,500											\$139,390																			
WW Collection 10							\$8,000,000	\$13,407,605	Anna Con	\$120,337			53,150,000	\$195,781	8150,000	\$199,500	5005.000		\$130.300								\$374,032	816,309	\$148,998							\$2,100,000		85,300,000
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	WW Treatment				\$1,850,000			\$184,197,250			and the	00000000	ann's core					1000 THE	120	310.000	293,000	\$404.046	11. CALCS 47.1	STF CTCX	0000018	\$100,000				000003		5805 183	E745 183	\$120,000	068 8903	- Carriera		
Summary FY 2006-	+	S	SO	\$230,000	81,850,000	80	000'000'918	\$218,097,230		\$126,537	\$125,000	\$250,000	5209,008	55,130,000	\$192/181	SAUGUSTON STATES	3.094400	21,850,000	100	929,599	\$93,000	CERTIFICATION OF THE PERSON OF	CCT SOME	SMD/4/3	STATION.	CHOCKE	K174 OF7	1616 319	X148 008	SSOUND	Marines September	SOUND TO	501,5005	6130,000	922.000	3203,000	COOR COOR	and the second
r	FY 2010		9	\$230,000	SB00,000		24,000,000	\$75,530,000			\$25,000			\$150,000		SSCOOK		3300,000		2100,000															100	250,000	SOCIONAL PROPERTY.	\$1.30,000
-	FY 2009				\$250,000		\$4,000,000	\$53,650,000			\$25,000			2150,000		0000053		2500.005		21183330																\$50,000	000'0053	S150,000
-	FY 2008				\$200,000		\$4,000,000	\$47,695,000			\$25,000			\$950,000		000000		\$450,000		2000000							1000000	850,000								250,000	\$500,000	2150,000
9	FY 2007				\$100,000		C4.000.000	824,725,000		850,000	\$25,000	\$250,000		\$1,000,000		\$50,000	5140,000	2400,000		5000000						2150,000	\$20,000	000/525		250,000		\$450,000			\$120,000	850,000	\$500,000	2150,000
A	FY 2006							\$16,497,230		576,537	000'523	SO	\$209,668	\$900,000	\$195,781	2000018	1250,000	98	24(38)	\$187.565	893,000	8454,625	\$297,235	\$805,473	\$272,325		000'085	\$249,032	\$16,209	866'868	S50,000	\$100,000	\$895,183	\$745,183		\$63,890	8100,000	\$100,000
88	Project Name	Transmission Hyelines to Rural Pringe Receiving Areas (Note: Funding begins in 2011).	New Master Pumping Stations for Rural Fringe Receiving Areas (Note:	(Whiting regime in ACLL)	Printegence rumping analysis and response regard	Environmental Control and Operations Center (Note: Funding begins in	2011)	Future Futup Station Improvements Total Westworter 413 Projects	Deirem Wastewater 414 Projects	Southill Assessment Software	County Dillity Standards	Engineering Plans Electronic Storage	SCWRF Salety Upgrades to Chemical Facilities	South County L&L Implicmentation	North County I&T Analysis	Sewin System Magging	KAS NIPS Fauliny Removal	SPS Hat Suf-MPS Discussed and framulamental Control Renowal	Security	Pinnie Security Digitalos	NCWRF Renew Studies Pump Rooms	SUWRF Reliability Improvements	2005 SCWRF Reliability Improvements	SCWRF Process Control Bidg Expansion	NCWRF Process Control Bldg Expansion	2005 NCWRF R&R Ox Ditch	SCWRF SCADA Architecture Reliability Improvements	CMOM and Staff Optimization	Household Fals, Oils and Grease	Collections Building Renovation	Laboratory Information Management System	Replace Hitching Post Force Main	2005 NCWRF Resubilitation	2005 SCWRF Rehabilitation	Electronic O & M Manuals	WW SCADA Software & Support Renewals	North County 1&1 Implementation	FDOT Joint Project Agreements - Newer
۵	Project Manager	St	SL	1000	WM			2		WI	PK	WI	DA	RC	RC	TL	INCI	TAKE	AA	MA	ww	WW	WA	DA	PAG	N/A	DM	MG	MK	WW.	Æ	GM	WV	WW	WW	MG	RC	CIN
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#	Project No. WBS No.	2006-9	2006-10	10000	20005-11	2006-13		2006-24		20078	70202	71042	72008	72500	72502	72503	13504	73503	i	#	72506	72508	72508	72500	72510	73511	72514	72517	72519	72533	72526	72528	72532	72534	72540	72541	72542	73045
	Fund/Type p. (1) (2)	413XGD	413/GD	+	413/GD			413AGD	1	ALAND RASE	414/R.R.K.E.	414/R.R.R.E	414/R.R&E	414/R,R&E	414/R.R.R.E	414/K,K&E	ALA/R RATE	ALAN DAR	TARD DATE	TAST SOLIE	414R.R&E	414/R,R选目	414/R.R.R.R.	414R,R&E	414/R.R.R.E	414/R.R&E	414/R.R&E	414R.R&E	414/R,R&E	414/R,R&E	414/R.R&E	414/R.R.&E	414/R.R.R.E	414/R.R.R.E	414/R.R&E	414/R.R.RE	414/R.R&E	414/R.R.R.E

TABLE \$2
COLLIES COUNTY GOVERNMENT
PUBLIC UTILITIES ENGINERANG DEPARTMENT
2005 WASTEWATER MASTER PLAN UPDATE
CAPITAL IMPROVEMENT PROJECTS FY 2006 - 2010
WASTEWATER AND IRRIGATION QUALITY WATER

Greeley and Hansen LLC 6 10:00 Jun 06

IO Water			1	-	and some	\$75,000						\$250,000											SYDKICOD				\$45,000	\$52.50				\$31,250		\$62,500					MA STOR	667 500	1 5400	SN23,140
WW Collection		3/00,000	\$1,290,000	\$11,448		875,000	\$555,765	\$25,000	\$147,500	\$1,200,000		\$250,000	\$3,001,500						\$55,000								\$45,000	\$52,500			\$250,000	\$31,250	\$4,200,000	\$62,500				\$5,100,000	day are are	207 200 500	\$15,407,002	\$43,285,515
	WW Irans			\$76,612		\$75,000		\$25,000	\$147,500			\$250,000	\$448,500	\$737,322													\$45,000	\$42.500				\$31,250		\$62,500				85,100,000	The state of the s			010 17C ULD
No. of Street	WW Treatment				\$62,487	000'52\$					000 585	\$250,000			\$150,000	2150,000	\$281,239	\$96'6688		\$100,000	0000000	21 000 mil	DOC COLS	CHARLOW IS	CAME THE	S9R 100	545,000	(4) 5(4)	000 0003			\$31,250		\$62.500	000,000,000	00 AND (100)			000'0085		\$184,197,250	Address of the latest
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	FY 2008		8300,000			\$150,000	The state of the s					mer come o	3250.000	250000					0.000	20000000		2300000	2230000					\$15,000	\$40,000	275,000		820,000	\$25,000	\$100,000	000'08'8	2600,000	2000,000	52 500 000		\$9,140,000	\$47,695,000	The Control of the Co
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-	FY 2006	\$700,000	\$490,000	288,060	\$62.487		2562 746	Services	330,000	\$200,000	\$1,200,000	\$85,000		2800,000	\$737,522	300	000,0018	NINI TIM	CONTAINS	2123333	2400,000	3100,000	Seminar		\$2,000,000	\$406,321	898,100	850,000	000,072	0000'05'8		850,000	\$25,000		250,000			0000000	ALANALANA C	\$16,091,346	\$16.497,230	The same of the sa
	Project Name	2005 Second Line Belinbillitation	Other Consolin Control	CCINOT Utility Relocates	Courses City Comment Comments	DOES THERETO ENGINEERS	2002 EDGLY EXHIBITION EDITORICS	Public Dutius Operations Center	2006 Pump/Lin Station Replacement	Improve Access to Pungung Stations	Rookery Bay FM&PS Improvements	Take Package Plants off-tine	Asset Management Assistance	Wastewater Collections System SCADA/Telemetry	Immokalee 30° FM Pigging Station	Billing System	SCWRF Expansion	Immokalee Road Wellfield - Well #1 Relocate	Purchase Generator to LS Returbility	Franchini Fan, Olfs and Greate Campalan	Electronic Unicharge Monthering Report	Recognic St WEE Measurement and	WHICKER'S FACILITIES SCADA NUMBER IMPROVEMENT for Plants	NCWRE brigation System	NCWRE Bleach System	Engle Lakes Nature Interpretive Comer	Perinate Trail	CAPINEPUPdate	Wantewater Manter Plan Updates	NCWRF Capacity Analysis and Process Enhancement	New Wastewater 414 Projects	Mobile Unit Project for Wastewater	GIS Equipment	Wyndernere Cellection System Rehabilitration	SPWMD Grant Applications - Wastewater	NCWRF Technical Support Projects	SCWRF Technical Support Projects	NEWRF Technical Support Projects (Note: Funding bugins in 2011)	Future Pumpflift Station Relub SCAMPE Process Country Building Acceptifity	Total Wastewater 414 Projects	Total Wastewater 413 Projects	The state of the s
0	Project Manager	30	NA.	RD	Date.	DAY.	DM	DA	RC	RC	SS	SS	RA	DM	RD	TW	VV	٧٧	MG	MK	XIC	20.0	DM	WV	IKC.	WV	ww	RC	PK	ES.		П	11	RC	RC	wv	WV	ΛM	88	100	L	
-	WBS No.	TWENT	730641	13000	and and a	113067	280712	730721	730823	730841	731601	731612	731651	739221	739471	739441	739491	739551	739581	109607	1130511	730673	739641	739653	7,59663	740501	740502	750062	750072	750082		CRIL	CBI	TBD	CRI	TRD	CIRL	CIRT	THD	100		
9	Project No. V	93050		+	+	+		1	73083	73084	73160	73161		73922		-	73949		Н	7,5960	19087	13063	73964	23965	73966	74050	74050	75006	75007	75008		2006-14	2006-15	2005-16	2006-17	3006-18	2006-19	3006-20	2006-25	TOWN THE PERSON THE PE		
1	Fund/Type Pr	Charles Charles	ALLES DAD	TAN DAN	O. C.	414/R.K.R.E.	414/R,K&E	414/R.R.R.E	414/R,R&E	414/R.R&E	414/R,R&E	414/R.R&E	414/R.R&E	414/R.R&B	414/R,R&E	414/R.R&E	414/R.R&E	414/R.R&E	414/8,8.65	ALAR RAE	414R.RAE	0.000.00.00.00	414/R.R.R.E.	414/R.R.R.	414RREE	4147R.R&H	414/R.R.R.	414/R.R.K.E.	414/R,R&E	414/R,R&E		414/R.R&E	414/R.R&E	414/R,RAH	414/R,R&E	414/R.R&E	414/R.R.R.E	414/R.R.R.E	414/R.R.R.E.	414RARE		

102 103 104 106 108 110 111 113

TABLE 8-1

COLLIE COUNTY COVERNMENT
FUBLIC UTILITIES BRUNNEERING DEPARTMENT
SOS WASTEWATER MASTER PLAN UPDATE
CAPTAL, IMPROVEMENT PRODECTS FY 2006 - 200
WASTEWATER AND IRRIGATION QUALITY WATER

Greeley and Harsen LLC 6 10:00 Jun 06

- A 100 - 10	The same		\$510,000		I	I		600	8510.000				000 089	24.8 A 14	\$4,230,000	\$2.450.000				9070	District Street, or		67 370 000	COLOR COLOR	32001000	88,513,910	59,023,910	\$9,847,050
	WW Collection								5							-				2000	DIES.					\$476	\$476	SAT 285,992
	WW Trans				\$258,938		83,800,000		-	34,006,756										2000	272					\$476	\$4,069,434	434 324 364
	WW Treatment					\$1,750,000	\$3,800,000	1		85,550,000	Section and a	\$7,40,000	SBOOLOOO		1		\$2,450,000	\$390,362	\$330,000	\$1,100,000	275	STRUCKER				\$6,200,838	\$11,750,038	200 1000 1000
	Summary F. 2000-	1		\$510,000	\$268,958	\$1,750,000	\$7,600,000		81	\$10,128,958		\$730,000	2890,000	280,000	\$53,434	\$3,230,000	\$4,900,000	\$300,362	000000	51,110,000	\$1,005	3400,000		\$2,300,000	\$200,000	\$14,715,700	\$24,844,658	
-	FY 2010						\$3,500,000		E	\$3,500,000				\$20,000			\$250,000			\$200,000				\$600,000	000'058	\$1,120,000	\$4,620,000	The state of the s
-	FY 2009						\$3,700,000			\$3,700,000			2100,000				\$250,000			8200,000				2600,000	350,000	\$1,200,000	\$4,900,000	The state of the s
-	FY 2008					\$400,000				\$400,000			\$400,000	S						55605000				2600,000	0000058	\$1.250.000	\$1.659,000	The state of the s
-	FY 2007			\$300,000		000'0888	\$200,000			\$1,350,000		\$330,000	8300,000	240,000			\$2,400,000		5280,000	Saon DOO				\$500,000	\$50,000	\$4,420,000	85.670.000	Caracian Landing
-	FY 2006			8210,000	\$268,958	\$500,000	\$200,000			81,178,958		\$400,000		05	\$53,434	\$3,230,000	\$2,000,000	\$390,362	\$250,000	comme	31380	\$400,000				86.875 700	SE OUR GES	- Continue Continue
-	Project Name	IRRIGATION QUALITY WATER PROJECTS	Existing Irrigation Quality Water 413 Projects	IO Water Master Plan Updates	Radio Road and Davis Blvd 16 Rectained Water Main	10 Water Booster Primo Station at Levimeston Road	O Water Transmission Pipeline from NEWRF	New Irrigation Quality Water 413 Projects	New Ry ASR Wells (Locations - TBD) - Engineering/Construction (Note: Fronting basins in 2011)	Total Irrigation Quality Water 413 Projects	Existing Irrigation Quality Water 414 Projects	Decommissioning of Pelican Bay WRF - Phase I	Decommissioning of Pelican Bay WRF - Phase II	10 Water Master Plan Undates - User Fee Side	Eagle Lakes Water Storage Pond	Pelican Bay Fire/Intgation	IO Water ASR	Rechab SCWRD to Water Storage Tank	10 Backbeile System SCADA WAN	BASenes KCABACounts Unit his	Afternational College Control College	TO COLOR BANK	New Irrigation Quality Water 414 Projects	W. Water Tarbeited Surnert British	A WHICH I COMMON SUPPLIES IN SEC.	IQ Water Meghaconcon	Total Irrigation Quality Water 414 projects	TOTAL IQ WATER PROJECTS
D	Project Manager			ЬK	NO.	.DC.	DA		Ą			RC	BC	þK	W	CN	VV	VV	IXCI	pare	- North	ww		ma	MA.	MICE		
0				725164	151072	740761	743111		CIRI			725011	735012	735167	740111	740231	740102	140411	741932	Application	Constitution of the last	7437034	- Constant	TOTAL	CIGIT	180		
8	Project No. WBS No.			73516	74035	74076	74311		2006-21			72501	10562	70516	74011	74023	74030	24011	74/147	- Periodical	- Printer	34200	TATE OF THE PARTY	CC 7000	2000-44	2006-23		
V	Fund/Type (I) (2)			413430	AVANCED	ALIMEN	413A3D		413KiD			ALA/R RAFE	ATAM DAD	ALLES DANS	ALATE RATE	ATAR R&F	TAXOLOGIE	ALAM DATE	ALARD DATE	TATIONAL SPANNING	TOTAL PROPERTY.	1940 041	THE POST	Tan Day	414/K,KWI	414/K.K.K.E.		

2. 41.2/LR&E = Rearwith Driven
2. 41.2/LR&E = Rearwith, Replacement & Enhancement
3. Cheis based on 2006 dollars with eight percent inflation per year.
4. No contingency essis are applied to the project cost totals for FY2006 thorugh FY 2010.

TABLE 8-3

PUBLIC UTLITIES ENGINEERING DEPARTMENT COLLIER COUNTY GOVERNMENT

CAPITAL IMPROVEMENT PROJECTS FY 2011 - 2025 2005 WASTEWATER MASTER PLAN UPDATE

WASTEWATER AND IRRIGATION QUALITY WATER

\$187,500 \$237.50 \$332.03 5457 \$237,500 575.0 1Q Water \$4,800,000 \$4,000,000 \$237,500 \$31,500,000 \$2,610,000 \$2,250,000 S487,500 \$12,745,50 \$230,000 \$3,100,000 \$7,000,000 \$6.270,000 \$237,500 WW Collection \$187,500 \$237,500 \$1,000,000 \$2,500,000 \$14,630,000 390,000 \$1,904,500 \$230,000 \$2,250,000 \$487.500 \$4,710,00 \$83,282,530 \$12,600,000 \$3,100,000 \$5,000,000 \$2,100,000 \$75,000 \$5,110,0 WW Truns \$187,500 \$5,250,000 \$487,500 \$34,299,740 \$559,012,240 \$16,800,000 \$75,000 \$313,000,000 34,000,000 \$186,100,000 \$1,325 WW Treatment \$950,000 \$4,800,000 \$750,000 \$4,500,000 \$1,950,000 \$1,325,000 \$4,000,000 \$3,000,000 \$33,500,000 \$21,500,00 \$679,865,000 Summary FY 2011 -2025 \$1,000,000 \$24,000,000 Secondo \$41,715.00 \$4,710,00 \$21,000,000 \$20,900.00 \$3,200,00 \$2,500,00 \$12,600,000 8950,00 \$16,800,00 86,200,00 \$313,000,00 \$5,000,00 \$186,100, 000'0528 \$6,100,000 \$1,700,000 \$1,000,000 \$2,000,000 22,000,000 \$800,000 \$400,000 \$8,100,000 \$500,000 \$3,000,000 \$14,300,000 \$163,604,000 \$5.884.008 59,000,000 89,300,000 \$400,000 \$120,000 \$103,000,000 \$25,300,00 FY 2021-2025 (3) \$250,000 57,000,000 \$1,000,000 \$1,750,000 \$2,500,000 \$10,800,000 \$12,700,000 8650,000 \$4,800,000 \$11,360,000 \$1,300,000 \$300,000 \$6,200,000 \$7,000,000 55,000,000 \$365,160,000 \$100,000 \$163,000,000 \$134,000,000 FY 2016-2020 (3) \$375,000 \$750,000 \$6,000,000 \$3,750,000 \$4,800,000 \$1,000,000 \$250,000 Greeley and Hansen LLC 6 10:00 Jun 06 \$500,000 \$5,500,000 \$1,000,000 \$1,500,000 \$120,000 \$12,600,000 \$250,000 \$16,800,000 000'08\$ \$1,000,000 \$3,603,000 \$1,000,000 \$47,000,000 000'008'928 \$2,000,000 \$2,000,000 \$5,000,000 \$2,100,000 \$130,233,00 FY 2011-2015 (3) Growth Management Plan Update
Northeast WRF - Three expansions (4.0 mgd, 8.0 mgd and 4.0 mgd) to 20.0 mgd (55ee Southeast WRF- New 4.0 mgd WRF and 4.0 mgd expunsion to 8.0 mgd (See Note 4) Davis Boulevard 24* Force Main from new MPS 314 00 to existing MPS 312 00 Easi Central Force Main, Master Pumping Station and Pretreatment Facility Wastewater Collections System SCADA/Teiematry (See Note 4) Wasiewater Facilities SCADA Network Improvements for Plants New Master Pumping Stations for Rural Pringe Receiving Arens Upgrade 4" Force Main from MPS 156 00 to Immokalee Road Upgrade 6" Force Main from MPS 107 02 to Immokalee Road CONTINGENCY (See Note 5) Total Wastewater 413 Projects WASTEWATER PROJECTS Wastewater 413 Projects Wantemater 414 Projects sion Pipelines to Rural Fringe Receiving Areas Northeast Water Reclamation Facility (See Note 4) Project Nam Future Pump/Lift Stations Rehab (See Note 4)
Odor/Corrosion control (See Note 4) Pumpitan Station Replacement (See Note 4) Wyndemerie Collection System Rehnhiltution Orangetree Pumping Station and Force Main WW SCADA Software & Support Renewals Southeast WRF Offstie Pipelines and Interco MPS and Sub-MPS Facility Renewal Wastewater Master Plun Updates Wastewater Master Plan Updates Sewer Line Rehab (See Note 4) SFWMD Grant Applications MPS 3.14 (Naples Heritage) Sewer System Mapping FDOT Joint Projects Project Manuge WM WM W DM WM DM RD RC 2 英 王 3 SI SI H 2 RD n n Ħ 730451 730501 730513 WBS No. 731561 TRD 731951 CHI CHI 739451 CHE TBD (IBD CHI 2006-10 2006-17 73050 73082 35003 Project No. 1006-4 2006-6 20006-7 2006-8 73541 2006-1 2006-2 2006-3 73064 73195 73066 73156 414/R.R&E 414/R.R&E 414/R.R.R.E. 414/R.R.R.E 414/R.R&E 414/R.R&E 4147R.RAE 414/R.R&E 414/R.R&E 414/R.R&E 414/R.R&E a 414/R,R&E 414/R.R.RE 413/GD 413KGD 413KGD 413/GD 4134(1) Fund/Type (2) 413/GID 413/GD 413/GD 413/GID 413/GID 413/GD 413/GD 41,1/GD 411/GD 413/GD 413/GD 413/GD 11,02 22 22 23 25 25 25 2 2 2 2 3 3

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COLLIER COUNTY GOVERNMENT PUBLIC UTILITIES ENGINEERING DIPARTMENT 2005 WASTEWATER MASTER PLAN UPDATE

CAPITAL IMPROVEMENT PROJECTS FY 2011 - 2025 WASTEWATER AND IRRIGATION QUALITY WATER

NYWRT Cambied Support Project Name	IQ Water					\$012 500	\$30.080	\$942.580	\$332,930	\$1,275,510		\$750.000	\$28.450.000	\$1,900,000	\$15,500,000	\$46,600,000	\$11,850,000	\$58,450,000	6210100	RADIOS ST.	\$4700,000	87.500,000	\$36,710,000	\$5,086,000	\$41,796,000	\$100,246,000	\$101,521,510	
N. W. We'l' Technical Support Physics (No. No. 4) N. W. We'l' Technical Support Physics (No. No. 4) N. W. We'l' Technical Support Physics (No. No. 4) N. W. We'l' Technical Support Physics (No. No. 4) N. W. We'l' Technical Support Physics (No. No. 4) N. W. We'l' Technical Support Physics (No. No. 4) N. W. We'l' Technical Support Physics (No. No. 4) N. W. We'l' Technical Support Physics (No. No. 4) N. W. We'l' Technical Support Physics (No. No. 4) N. W. We'l' Technical Support Physics (No. No. 4) N. W. We'l' Technical Support Physics (No. No. 4) N. W. We'l' Technical Support Physics (No. No. 4) N. W. We'l' Technical Support Physics (No. No. 4) N. W. We'l' Technical Support Physics (No. No. 4) N. W. We'l' Technical Support Physics (No. No. 4) N. W. We'l' Technical Weil' Tech	WW Collection				\$3,000,000	\$83,548,000	\$2,751,710	\$86,301,710	\$37,237,300	\$123,539,610						05	05	80					08	S	S.	05	\$123,539,010	
NVANRE Technical Support Project (See Note 4) \$2,500,000 \$5,200,	WW Trans					\$10,397,000	342.680	\$10,739,680	\$83,282,530	\$94,022,210						06	ox	30		İ			05	05	os	95	\$94,022,210	
Project Name Project See Note 4 25,00,000 S1,500,000 S1,500,0	WW Treatment	000'002'68	000'000'65	\$4,000,000	CANADAMAN AND AND AND AND AND AND AND AND AND A	\$30,887,500	\$1,018,040	\$31,905,540	\$559,012,240	85,710,0658						95	8	95					80	80	98	8	\$590,917,780	
NCWRFT Technical Support Projects (See Note 4) \$12,001,000 \$13,000,000 \$1,000,000 NCWRFT Technical Support Projects (See Note 4) \$1,000,000 \$1,000,000 \$1,000,000 NEWRFT Technical Support Projects (See Note 4) \$1,000,000 \$1,000,000 \$1,000,000 NEWRFT Technical Support Projects (See Note 4) \$1,000,000 \$1,000,000 Sabbroinal Wasterwater 414 Projects \$1,000,000 \$1,000,000 Sabbroinal Wasterwater 414 Projects \$1,000,000 \$1,000,000 Total Waster 414 Projects \$1,000,000 \$1,000,000 Total Waster 414 Projects \$1,000,000 \$1,000,000 Total Waster 50,000 \$1,000,000 \$1,000,000 \$1,000,000 Total Relation Quality Water 414 Projects \$1,000,000 \$1,000,000 \$1,000,000 Total Relation Quality Water 414 Projects \$1,000,000 \$1,000,000 \$1,000,000 Total Relation Quality Water 414 Projects \$1,000,00	Summury FY 2011 - 2025	\$9,700,000	\$9,700,000	54,000,000	83,000,000	\$125,745,000	\$4,144,500	\$129,889,500	8679,865,000	\$809,754,500		8750,000	\$28,450,000	\$1,900,000	815,500,000	\$46,600,000	\$11,850,000	\$58,450,000	\$210,000	20000000000	54,700,000	97,500,000	\$36,710,000	85,086,000	\$41,796,000	\$100,246,000	\$910,000,500	
Project Name Project Name Project Name		\$4,000,000	\$4,000,000	\$2,500,000	\$1,000,000	852,740,000	\$1,868,000	\$54,608,000	\$163,604,000	\$218,212,000		\$250,000	\$10,000,000	000'0085	000'008'25	818,850,000	000'559'55	\$24,505,000	820,000	£30000000000	\$2,000,000	\$2,500,000	\$14,570,000	\$2,414,000	\$16,984,000	\$41,489,000	\$259,701,000	
Project Name NCWRF Technical Support Projects (See Note 4) SCWRF Technical Support Projects (See Note 4) SCWRF Technical Support Projects (See Note 4) SCWRF Technical Support Projects (See Note 4) Colfoction System II Improventional Assets Note 5) Colfoction System II Improventional Assets Note 5) CONTRACENTY See Note 5) Total Wasterwater 414 Projects Total Wasterwater 414 Projects STOTAL WASTERWATER PROJECTS STOTAL WASTERWATER PROJECTS SOW IQ Water Total Wasterwater 413 Projects IVA Water Plan Updates DO Water Transmission/Interconnect Profilines Sow IQ Water Transmission/Interconnect Profilines CONTINCIPACY (See Note 5) Total Technical Support Projects (See Note 4) IQ Water Technical Support Projects (See Note 4) IQ Water Technical Support Projects (See Note 4) Total Terigation Quality Water 414 Projects IQ Water Technical Support Projects (See Note 4) Total Terigation Quality Water 414 Projects IQ Water Technical Support Projects (See Note 4) Total Terigation Quality Water 414 Projects Software Technical Support Projects (See Note 4) Total Terigation Quality Water 414 Projects Software Technical Support Projects (See Note 4) Total Terigation Quality Water 414 Projects Total Terigation Quality Water 414 Projects Software Technical Support Projects (See Note 4) Total Terigation Quality Water 414 Proj	FY 2016-2020 (3)	\$3,200,000	\$3,200,000	000'005'18	\$1,000,000	\$40,210,000	\$1,272,000	\$41,482,000	\$365,160,000	\$406,642,000		8300,000	\$10,000,000	000'0095	86,200,000	\$17,100,000	\$5,130,000	522,230,000	880,000	511,000,000,000	00000818	52,500,000	\$12,080,000	\$1,916,000	\$13,996,000	\$36,226,000	\$442,868,000	
Project Name NCWRF Technical Support Projects (See Note 4) SCURPT Technical Support Projects (See Note 4) NEWRF Technical Support Projects (See Note 4) Collection System III Improventents Subbotal Wastewater 414 Pt Total Wastewater 414 Pt Total Wastewater 414 Pt Total Wastewater 414 Pt TOTAL WASTEWATER Pt IRRIGATION QUALITY WATE IRRIGATION QUALITY WATE IRRIGATION QUALITY WATE IRRIGATION QUALITY WATE OWNER PROSTOR (LOSSIDINI - THIS) New 1Q ASIE Worlds (Lossidini - THIS) New 1Q Water Boosier Ps QUALITY WATE Total Irrigation Quality Water 413 ROWNER PROSTOR (CONTINGINICY (See Note 4) Total Irrigation Quality Water 414 ROWNER PRINTED THE TOTAL IRRIGATION QUALITY WATE TOTAL IRRIGATION QUALITY WATE TOTAL IRRIGATION QUALITY WATE TOTAL IRRIGATION QUALITY WATE TOTAL IRRIGATION QUALITY WATER AND IRRIGATION QUALITY WATER TOTAL IRRIGATION QUALITY WATER AND IRRIGATION WATER WATER AND IRRIGATION WATER WATER WATER WATER WATER PER PER PER PER PER PER PER PER PER P	FY 2011-2015 (3)	\$2,500,000	\$2,500,000		\$1,000,000	\$32,795,000	\$1,004,500	533,799,500	\$130,233,000	\$164,032,500		\$200,000	\$8,450,000	\$500,000	\$1,500,000	819,650,000	21,065,000	\$11,715,000	250,000	663000000	STIDDING	\$2,500,000	\$10,000,000	\$756,000	\$10,816,000	822,531,000	\$186,563,500	
	Project Managor	NCWRF Technical Support Projects (See Note 4)	SCWRF Technical Support Projects (See Note 4)	NEWRF Technical Support Projects (See Note 4)	Collection System I/I Improvements	Subtotal Wastewater 414 Projects	CONTINGENCY (See Note 5)	Total Wastewater 414 Projects	Total Wastewater 413 Projects	TOTAL WASTEWATER PROJECTS	IRRIGATION QUALITY WATER PROJECTS	IQ Water Master Plan Updates	New IQ ASR Wells (Locations - THD)	New IQ Water Booster PS	10 Water Transmission/Interconnect Pipelines	Subtotal Irrigation Quality Water 413 Projects	CONTINCIENCY (See Note 5)	Total Irrigation Quality Water 415 Projects	102 Water Marter Plan Tythress - User Nec Side	IO WarraSR	R2 Water SCADAVI clementy Upgralits	10 Water Technical Support Projecti (See Note 4)	Subtorial Irrigation Quality Water 414 Projects	CONTINGENCY (See Note 5)	Total Irrigation Quality Water 414 Projects	TOTAL IRRIGATION QUALITY WATER PROJECTS	TOTAL WASTEWATER AND IRRIGATION QUALITY WATER FUNDS ALLOCATED FER PERIOD	
	WBS No.	TBD	TBD	TBD	CRI							725163	TBD	1380	TBD				725162	240303	740333	TBD						
725163 725163 725163 725163 725163 725163 725164 725164 725164 725164 725164 725164 725164 725164 725164	Project No.	2006-18	5006-19	2006-20	2006-25							72516	2006-21	2006-26	2006-27				99616	24030	74033	2006-22						
	und/Type (1) (2)	414/R.R&E	414/R.R&E	414/R.R.R.E	414/R.R.R.E.							413/GD	413/GD	413KBD	413/kgD				414/R-R&E	100-100	419(R;WK)	414/R,RAE						

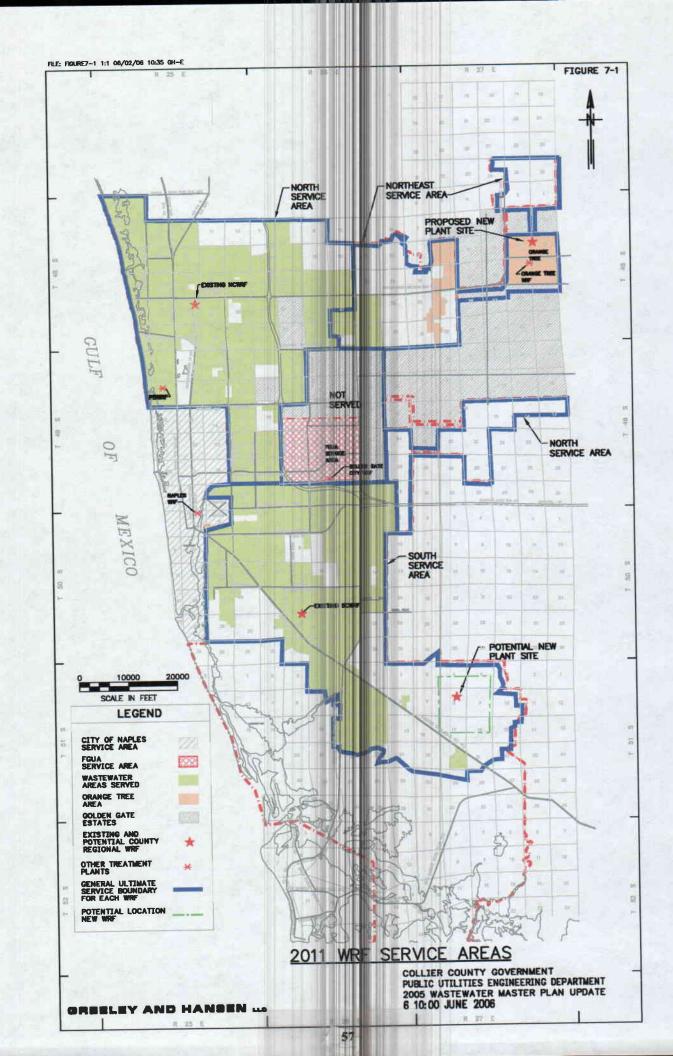
411/GD = Growth Driven

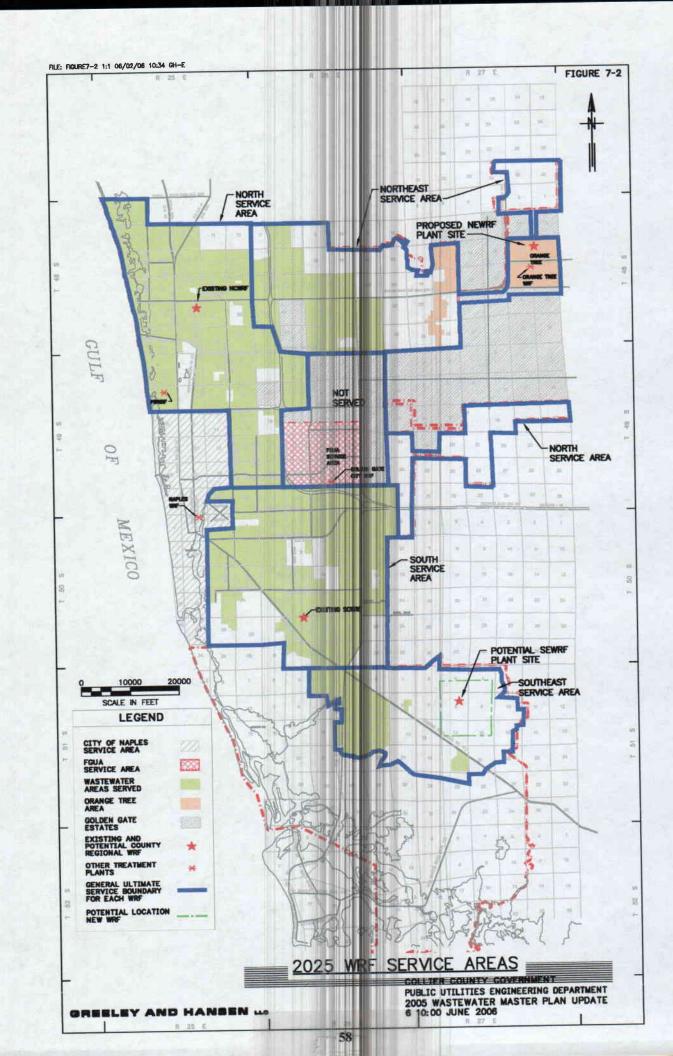
2. 412/R.R&E = Renewal, Replacement & Enhancement

Costs based on 2006 dollars with eight percent inflation per year.

4. No contingency costs for those projects are applied to the total costs.
5. Camingenesis are applied to the total costs as follows (cacept for projects as 100 Porcent Contingency for Projects in FY 2011 to FY 2015
20 Porcent Contingency for Projects in FY 2016 to FY 2028.

A B C D E F G H Wastewater System Estimated Summary	ss (\$ millions)	2006 200	Wastewater System Capital Expenditures	17.90	1.10	42.10 45.10 59.80	n Funding Sources	18.00		Commercial Paper	00.0	1.20			For Pe	WASTEWATER SYSTEM MAJOR CAPITAL PROJECTS:	NCWRF Expansion to 30.6 MGD Northest Water Reclamation Facility Southest WRF Land Acquisition Pump Station Improvements East Central Force Main Facility	Renewal and Replacement Projects Pump Station/Lift Station Rehab	TOTAL WASTEWATER SYSTEM MAJOR CAPITAL PROJECTS \$2	All Other Wastewater System Projects	TOTAL WASTEWATER SYSTEM CAPITAL PROJECTS	Departmental Capital - Wastewater System
-	Fiscal Year Ending September 30,	2009 2010	57.40 79.00	11.10 10.90	1.40 1.50	69.90 91.40	000		+			Н	80 00 01 40		Forecast Period (\$ millions)		\$80.6 78.4 17.1 17.0	\$11.0	\$214.1	\$129.0	\$343.0	\$8.0
		2011	31.10	10.10	1.60	42.80	000	13.10	00.0	H		H	42.80			/						
	FY 2006 - FY 2011	Amount	259.40	83.60	8.10	351.10	37.50	147 20	10.50	96.10	51.70	8.10	351.10	_								
	FY 2011	Percent	73.88%	23.81%	2.31%	100.00%	10.68%	41.93%	2.99%	27.37%	14.73%	2.31%	100.00%									
		Amount	228.30	73.50	6.50	308.30	37,50	134.10	10.50	78.10	41.60	6.50	308.30									
	FY 2010	Percent	74.05%	23.84%	2.11%	100.00%	12.16%	43.50%	3.41%	25.33%	13.49%	2.11%	100.00%									
		WILLOUIN	241.70	60.40	08.0	309.00	19.50	137.20	10.50	91.10	43.70	7.00	309.00									
	FY 2011	Leiceill	78.22%	19.55%	2.4070	100.00%	12.16%	43.50%	3.41%	25.33%	13.49%	2.11%	100.00%									





COUNTY SOLID WASTE

CONTENTS

- 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
- TWO YEARS OF PLANNED LINED CELL CAPACITY AVAILABLE FOR COLLIER COUNTY SOLID WASTE DISPOSAL
- CHART TWO YEARS OF LINED CELL CAPACITY
- 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
- TEN YEARS OF PERMITTED LANDFILL CAPACITY AVAILABLE FOR COLLIER COUNTY SOLID WASTE DISPOSAL
- CHART TEN YEARS OF PERMITTED LANDFILL CAPACITY
- FY 2005 AND FY 2006 ALL R PROCESS COMPARISON

Table 1: 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

Notes: 1	2	3	4	5	6	7
Fiscal	Population Estimates &	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)
Year	Projections	1.32	381,499	1,019,063	797,058	222,005
2000	288,565	1.42	430,511	588,552	654,956	(66,404)
2001	302,994	1.15	366,547	1,152,005	580,312	571,693
2002	318,482	0.86	288,409	863,596	566,680	296,916
2003	334,331	0.84	291,903	880,042	553,161	326,881
2004	348,292	0.75	274,777	1,430,068	591,564	838,504
2005	364,459	117000000000000000000000000000000000000		1,597,799	643,603	954,196
2006	384,508	0.72	278,384	1,972,809	679,046	1,293,763
2007	405,669	0.77	313,180	1,642,386	713,291	929,094
2008	428,004	0.77	330,423	1,792,418	742,990	1,049,428
2009	451,578		348,623	The second secon	770,810	656,940
2010	472,362	0.77	364,668	1,427,749 1,605,428	799,679	805,750
2011	490,047		378,321	The second secon	829,635	383,304
2012	508,399		392,489	1,212,940	859,623	
2013	527,442		407,190	7,811,846	888,509	
2014	547,202		422,445	7,389,400	Carlo Street Control of the Ca	6,034,94
2015	566,285		437,178	6,952,222	946,982	
2016	584,619		451,331	6,500,891		
2017	603,549		465,946		The state of the s	
2018	623,096	0.77	481,036			
2019	643,279	0.77	496,618		1,037,652	
2020	662,724	0.77	511,630	THE RESERVE OF THE PERSON NAMED IN COLUMN 2 IS NOT THE OWNER.		
2021	681,368	0.77	526,023			
2022	700,539	0.77	540,823	THE R. P. LEWIS CO., LANSING, MICH. 49-14039.		
2023	720,251	0.77	556,041			
2024	740,521	0.77	571,689			
2025	760,316		586,972	1,764,114		
2026	779,598		601,857	1,162,257		
2027	799,370		617,122	545,135		1,000
2028	819,640		632,775	87,640		
2029	840,439		648,827	(786,467	n/a	n/

NOTES:

- (1) Fiscal Year starts October 1 and ends September 30.
- (2) Population Estimates & Projections reflect Collier County's weighted average population estimates and projections.
- (3) FY07 forward is the average Tons Per Capita Disposal Rate (column 3) of the previous three years.
- (4) FY00 06 are actual tonnage amounts buried at the Collier County Landfill. FY07 and forward are derived from Tons Per Capita Disposal Rate (column 3) multiplied by the Population Estimates & Projections (column 2).
- (5) Derived from the previous years Lined Cell Capacity Balance (column 5) minus Annual Tons Disposed (column 4) at the Collier County Landfill. Explanations of the bolded values in the Lined Cell Capacity Balance (column 5) are detailed in Table 2.
- (6) Derived from the sum of the next two years of Annual Tons Disposed (column 4) at the Collier County Landfill.
- (7) Derived from the Lined Cell Capacity Balance (column 5) minus the Next Two Years Lined Cell Capacity Requirement (column 6).

Table 2: Two Years of Planned Lined Cell Capacity Available for Collier County Solid Waste Disposal

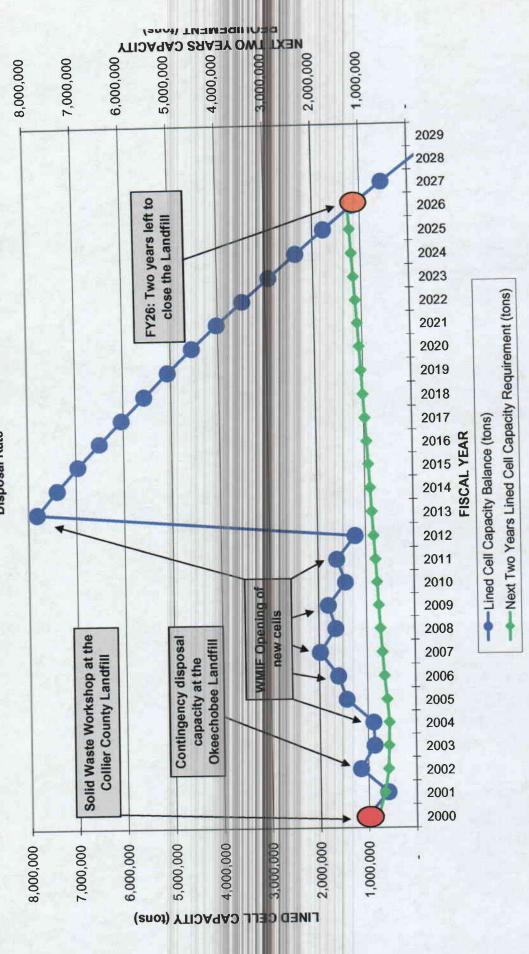
Fiscal Year	Planned Capacity	Explanation ¹
2002	930,000 tons	Contracted contingency space at the Okeechobee Landfill. The two years of landfill space is guaranteed in the Disposal Capacity Agreement with Waste Management Inc. of Florida (WMIF), executed by the BCC on June 12, 2001.
2004	308,000 tons	Construction of new lined cells pursuant to Florida Department of Environmental Protection (FDEP) permit conditions for solid waste disposal in Cell A1.
2005	1,430,068 tons	The Lined Cell Capacity Balance (tons) reflects an adjustment to the remaining lined cell capacity based on the Annual Estimate of the Remaining Life and Capacity of the Collier County Landfill, prepared by Waste Management Inc. of Florida and also reflects the 930,000 tons of capacity at the Okeechobee Landfill.
2006	446,000 tons	Construction of new lined cells pursuant to FDEP permit conditions for solid waste disposal in Cell A2-Phase 1.
2007	668,000 tons	Construction of new lined cells pursuant to FDEP permit conditions for solid waste disposal in Cell A2-Phase 2.
2009	499,000 tons	Construction of new lined cells pursuant to FDEP permit conditions for solid waste disposal in Cell A3-Phases 1&2.
2011	566,000 tons	Construction of new lined cells pursuant to FDEP permit conditions for solid waste disposal in Cell A4.
2013	7,006,000 tons	Construction of new lined cells pursuant to FDEP permit conditions for solid waste disposal in Cells A5-A9.

Note:

⁽¹⁾ The explanations provided in Table 2 correspond to bolded values in Table 1 – Lined Cell Capacity Balance (column 5).

CHART 1: 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



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Table 3: 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

Notes: 1	2	3	4	5	6	7		
Fiscal Year	Population Estimates & Projections	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	288,565	1.32	381,499	4,537,914	3,287,426	1,250,488		
2001	302,994	1.42	430,511	4,107,403	3,235,236	872,167		
2002	318,482	1.15	366,547	4,670,856	3,261,177	1,409,679		
2002	334,331	0.86	288,409	9,651,908	3,379,958	6,271,950		
2003	348,292	0.84	291,903	9,360,005	3,510,501	5,849,504		
2004	364,459	0.75	274,777	10,625,124	3,672,902	6,952,222		
2006	384,508		278,384	10,346,740	3,845,849	6,500,891		
2007	405,669	0.77	313,180	10,083,560	3,998,615	6,034,945		
2008	428,004		330,423	9,703,137	4,149,228	5,553,909		
2009	451,578		348,623	9,354,514	4,297,223	5,057,291		
2010	472,362	0.77	364,668	8,989,845	4,444,184	4,545,661		
2011	490,047	0.77	378,321	8,611,524	4,591,886	4,019,638		
2012	508,399		392,489	8,219,036	4,740,220	3,478,816		
2013	527,442		407,190	7,811,846	4,889,071	2,922,775		
2013	547,202		422,445	7,389,400	5,038,315	2,351,085		
2015	566,285		437,178	6,952,222	5,188,109	1,764,114		
2016	584,619		451,331	6,500,891	5,338,634	1,162,257		
2017	603,549		465,946	6,034,945	5,489,810	545,138		
2018	623,096		481,036	5,553,909	5,641,549	(87,640		
2019	643,279		496,618	5,057,291	n/a	n/a		
2020	662,724		511,630	4,545,661	n/a	n/a		
2021	681,368		526,023	4,019,638	n/a	n/a		
2022	700,539	-	540,823	3,478,816	n/a	n/a		
2023	720,251		556,041	2,922,775	n/a	n/a		
2024	740,521		571,689	2,351,085	n/a	n/a		
2025	760,316		586,972	1,764,114	n/a	n/a		
2026	779,598		601,857	1,162,257	n/a	n/a		
2027	799,370		617,122		n/a	n/a		
2028	819,646		632,775	THE RESERVOIR SHOWS AND RESERVOIR		n/a		
2029	840,439		648,827	The second second second second		n/a		

NOTES:

- (1) Fiscal Year starts October 1 and ends September 30.(2) Population Estimates & Projections reflect Collier County's weighted average population estimates and projections.
- (3) FY07 forward is the average Tons Per Capita Disposal Rate (column 3) of the previous three years.

 (4) FY00 06 are actual tonnage amounts buried at the Collier County Landfill. FY07 and forward are derived from Tons Per Capita Disposal Rate (column 3) multiplied by the Population Estimates & Projections (column 2).
- (5) Derived from the previous years Total Landfill Capacity Balance (column 5) minus Annual Tons Disposed (column 4) at the Collier County Landfill. Explanations of the bolded values in Total Landfill Capacity Balance (column 5) are detailed in Table 4.
- (6) Derived from the sum of the next ten years of Annual Tons Disposed (column 4) at the Collier County Landfill.
- (7) Derived from the Total Landfill Capacity Balance (column 5) minus the Next Ten Years Landfill Capacity Requirement (column 6).

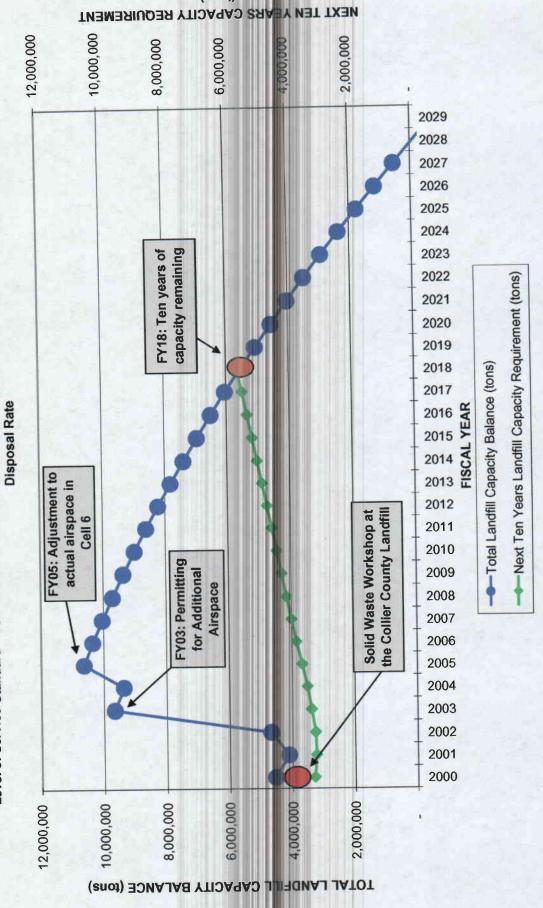
Table 4: Ten Years of Permitted Landfill Capacity Available for Collier County Solid Waste Disposal

Fiscal Year	Permitted Capacity	Explanation ¹						
2002	930,000 tons	Contracted contingency space at the Okeechobee Landfill. The two years of landfill space is guaranteed in the Disposal Capacity Agreement with Waste Management Inc. of Florida (WMIF), executed by the BCC on June 12, 2001.						
2003	5,300,000 tons	Reflects the addition of approximately 5,300,000 tons of permitted capacity at the Collier County Landfill.						
2005	10,625,124 tons	The Total Landfill Capacity Balance (tons) reflects an adjustment to the remaining permitted cell capacity based on the Annual Estimate of the Remaining Life and Capacity of the Collier County Landfill, prepared by Waste Management Inc. of Florida and also reflects the 930,000 tons of capacity at the Okeechobee Landfill.						

Note:

⁽¹⁾ The explanations provided in Table 4 correspond to bolded values in Table 3 - Total Landfill Capacity Balance (column 5).

Level of Service Standard = Ten Years of Permitted Landfill Capacity at Previous Three Years Average Tons Per Capita CHART 2: TEN YEARS OF PERMITTED LANDFILL CAPACITY



(tons)

Table 5: FY2005 and FY2006AUIR Process Comparison

FY2006 AUIR Category and Column Number	Corresponding FY2005 Definition/Process	FY2006 Change/Addition
(1) Fiscal Year	Begins October 1 and ends on September 30.	No change.
(2) Population Estimates and Projections	Estimates and Projections based on 2000 Census: Bureau of Economic and Business Research (BEBR) population bulletins and reflect the Collier County Weighted Average Population (4-month weighted average).	No change.
(3) Tons Per Capita Disposal Rate	FY94 - FY05 was calculated by dividing the actual Annual Tons Disposed (column 4) by the Population Estimates and Projections (column 2). FY06 was calculated by taking the average of FY03 - FY05 and the value is held constant for future years.	FY00 - FY06 is calculated by dividing the actual Annual Tons Disposed (column 4) by the Population Estimates and Projections (column 2). FY07 is calculated by taking the average of FY04 – FY06 and the value is held constant for future years.
(4) Annual Tons Disposed	Up to the current Fiscal Year, actual tonnages were used. Projections after the current Fiscal Year were the product of the Population Estimates and Projections (column 2) multiplied by the Tons Per Capita Rate (column 3)	No change.
(5) Table 1 - Lined Cell Capacity Balance (tons) / Table 3 - Total Landfill Capacity Balance (tons)	Table 1 - Previous Fiscal Year's Lined Cell Capacity Balance (column 5) minus the Annual Tons Disposed (column 4) for the current Fiscal Year 1. Table 3 - Previous Fiscal Year's Total Landfill Capacity Balance (column 5) minus the Annual Tons Disposed (column 4) for the current Fiscal Year 2.	Table 1 - Previous Fiscal Years' Lined Cell Capacity Balance (column 5) minus the Annual Tons Disposed (column 4) for the current Fiscal Year 3. Table 3 - Previous Fiscal Years' Total Landfill Capacity Balance (column 5) minus the Annual Tons Disposed (column 4) for the current Fiscal Year 4.

FY2006 AUIR Category and Column Number	Corresponding FY2005 Definition/Process	FY2006 Change/Addition			
(6) Table 1 - Next Two Years Lined Cell Capacity Requirement (tons) / Table 3 - Next Ten Years Landfill Capacity Requirement (tons)	Table 1 - The sum of the next two Fiscal Years' Annual Tons Disposed (column 4). Table 3 - The sum of the next Ten Fiscal Years' Annual Tons Disposed (column 4).	No change.			
(7) Table 1 - Projected Lined Cell Capacity Surplus or Deficiency (tons) / Table 3 - Ten Year Permitted Landfill Capacity Surplus or Deficiency (tons)	Table 1 - The Lined Cell Capacity Balance (column 5) minus the Next Two Years Lined Cell Capacity Requirement (column 6). Table 3 - The Total Landfill Capacity Balance (column 5) minus the Next Ten Years Landfill Capacity Requirement (column 6).	No change.			

Notes:

- (1) Lined Cell Capacity Balance (tons) reflected contingency disposal capacity at the Okeechobee Landfill and a theoretical estimate of when new landfill cells would be placed in service.
- (2) Total Landfill Capacity Balance (tons) reflected contingency disposal capacity at the Okeechobee Landfill and a theoretical estimate of when new landfill cells would be placed in service.
- (3) The Lined Cell Capacity Balance reflects: 1) an adjustment to the Lined Cell Capacity Balance in FY05 based on the Annual Estimate of the Remaining Life and Capacity of the Collier County Landfill, prepared by Waste Management Inc. of Florida; 2) the 930,000 tons of capacity at the Okeechobee Landfill; and 3) an estimate of when new landfill cells will be placed in service based on Waste Management Inc. of Florida's cell development schedule (FY04 FY11) as presented in Table 2. Future cell development is identified in FY13, but will actually be developed based on a schedule to be determined.
- (4) The Total Landfill Capacity Balance reflects: 1) an adjustment to the Total Landfill Capacity Balance in FY05 based on the Annual Estimate of the Remaining Life and Capacity of the Collier County Landfill, prepared by Waste Management Inc. of Florida; 2) the 930,000 tons of capacity at the Okeechobee Landfill; and 3) the Fiscal Year that additional permitted capacity was achieved as presented in Table 4.

COUNTY PARKS AND RECREATION FACILITIES

CONTENTS

- COUNTY RECREATION FACILITIES SUMMARY FORM USING WEIGHTED POPULATION PROJECTIONS
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- COUNTY REGIONAL PARK LAND SUMMARY FORM USING WEIGHTED POPULATION PROJECTIONS
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- 2006 PARK AND PARK FACILITIES MAP
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- SUMMARY OF CHANGES IN PARKS AND RECREATION INVENTORY FY 04/05 TO FY 05/06
- ANTICIPATED CHANGES IN COMMUNITY PARK LAND INVENTORY FY 05/06 TO FY 15/16
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- 2006 PARKS AND RECREATION FACILITIES INVENTORY

2006 AUIR SUMMARY FORM

<u>Facility Type</u>: Recreation Facilities (Category A)
<u>Level of Service Standard (LOSS)</u>: \$270/capita

Unit Cost: variable

Using the Weighted Population method, the	e fol	lowing is set forth:
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Coming the Thomas of the Committee of th	Facilities Value
Available Inventory as of 9/30/06	\$115,629,560*
Required Inventory as of 9/30/11	\$132,312,690
Proposed AUIR FY 06/07-10/11	\$ 44,045,000
5-year Surplus or (Deficit)	\$ 27,361,870
Expenditures	
Proposed AUIR FY06/07-10/11 new park projects	\$44,045,000
Fund 345 Debt Service Payments (impact fees)	\$ 1,995,400
Fund 346 Debt Service Payments (impact fees)	\$14,287,600
Fund 183 Debt Service Payments (TDC funds)	\$ 2,900,000
Total Expenditures	\$63,228,000
Revenues	ф 1 CO1 040
Fund 345 Impact Fees anticipated	\$ 1,601,848
Fund 345 Carry Forward	\$ 756,500
Fund 346 Impact Fees anticipated	\$60,946,909
Fund 346 Carry Forward	\$ 7,366,300
Fund 368 Carry Forward	\$ 94,100
Fund 183 TDC Funds anticipated	\$11,855,000
Developer contributions	\$ 2,500,000
	\$85,120,657
Encumbered Revenues	
Revenue allocated to community park land acquisition	\$12,000,000
Revenue allocated to regional park land acquisition	<u>\$ 1,200,000</u>
	\$13,200,000
Total Available Revenues	\$71,920,657
Revenues needed to maintain existing LOSS	none

^{*} For a complete description of changes in facilities value FY 04/05 to FY 05/06, see Summary of Changes in Parks and Recreation Inventory, page 83.

Productivity Committee Recommended:

The Productivity Committee recommended approval of the Parks and Recreation facilities program; however, we recommend that more useful Level of Service Standards be developed. Using a specific dollar amount per capita Level of Service Standard (LOSS) for recreational facilities does not keep up with cost increases, leading to

understated requirements, large surpluses (\$27 million over the AUIR period) and excess revenues due to the impact fee change to include beach and boat access projects.

Planning Commission Recommended:

The Planning Commission tabled action on this element of the AUIR on November 20 and 29, pending additional information from the Parks and Recreation staff. The additional information sought by the CCPC has been incorporated within the 2006 AUIR. The Planning Commission recommended approval to the Board of County Commissioners of the 2006 AUIR, with the additional recommendation that the BCC review the existing means of determining level of service in order to determine if there is a better basis to determine LOS instead of population. In addition the CCPC within the motion expressed disagreement with the current method of omitting the facilities in the City of Naples and the City of Marco Island while calculating and using their population to calculate need.

Staff Recommendation:

Staff recommends the BCC approves the Recreation Facilities "Proposed AUIR FY06/07-10/11" capital improvement projects and provides staff with direction related to the PC and CCPC recommendations upon Level of Service Standard.

2006 AUIR Park Facilties Value LOSS: \$270/Capita

VALUE PER CAPITA	\$301	\$285	\$276	\$269	\$291	\$326	\$417	\$346	\$357	\$348	\$336	\$330	353	387
SURPLUS/ (DEFICIENCY)	\$11,812,400	\$6,098,930	\$2,638,480	(\$301,500)	\$9,936,820	\$27,361,870		\$38,766,830	\$45,625,220	\$42,790,020	\$37,637,610	\$35,187,430		
CAPITAL FACILITIES AVAILABLE**	\$115,629,560	\$115,629,560	\$118,199,560	\$121,624,560	\$137,474,560	\$159,674,560	\$44,045,000	\$176,034,560	\$188,034,560	\$190,534,560	\$190,534,560	\$193,034,560	33,360,000	77,405,000
FACILITIES PLANNED IN AUIR*	\$0	\$0	\$2,570,000	\$3,425,000	\$15,850,000	\$22,200,000	\$44,045,000	\$16,360,000	\$12,000,000	\$2,500,000	\$0	\$2,500,000	\$33,360,000	\$77,405,000
FACILITIES REQUIRED \$270	\$103,817,160	\$109,530,630	\$115,561,080	\$121,926,060	\$127,537,740	\$132,312,690	\$28,495,530	\$137,267,730	\$142,409,340	\$147,744,540	\$152,896,950	\$157,847,130	\$25,534,440	\$54,029,970
POPULATION CO-WIDE	384.508	405,669	428.004	451,578	472,362	490.047	105,539	508,399	527,442	547,202	566,285	584,619	94,572	200,111
FISCAL	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	1st 5-Year Growth (2007-2011)	2011-12	2012-13	2013-14	2014-15	2015-16	2nd 5-Year Growth (2012-2016)	Total 10-Year Growth (2007-2016)

^{*} Facilities Planned in AUIR are shown to be added into inventory the year following the year expenditures are budgeted to accommodate for construction time.

^{**} For a complete description of changes in facilities value FY 04/05 to FY 05/06, see Summary of Changes in Parks and Recreation Inventory, page 83.