

**PZC  
Meeting  
4/24/2008**

**Draft Sanitary Sewer Sub-Element  
Evaluation and Appraisal Report  
(EAR)**

# EAR

- Local Planning Agency (PZC) must prepare the county's EAR
- To state by Dec.1, 2008
- **15** Elements and Sub-elements
- Staff working on EARs since 2006
- Reviewed by county committees based on their focus
- Will be submitted to PZC as draft and then final draft at a public hearing

# EAR Components

- Conditions at the time of last major plan update
- Existing conditions
- Analysis of conditions
- Evaluation of objective achievement.
- Assessment of policy implementation.
- Identification of needed future actions

# Sanitary Sewer EAR

- Has been reviewed by the Utility Advisory Committee (**UAC**) since 2006
- **UAC** review is on-going ( **Next meeting on May 7, 2008**)
- Has been reviewed by the **Utilities Department Staff**

# Sanitary Sewer Conditions (1995-2006)

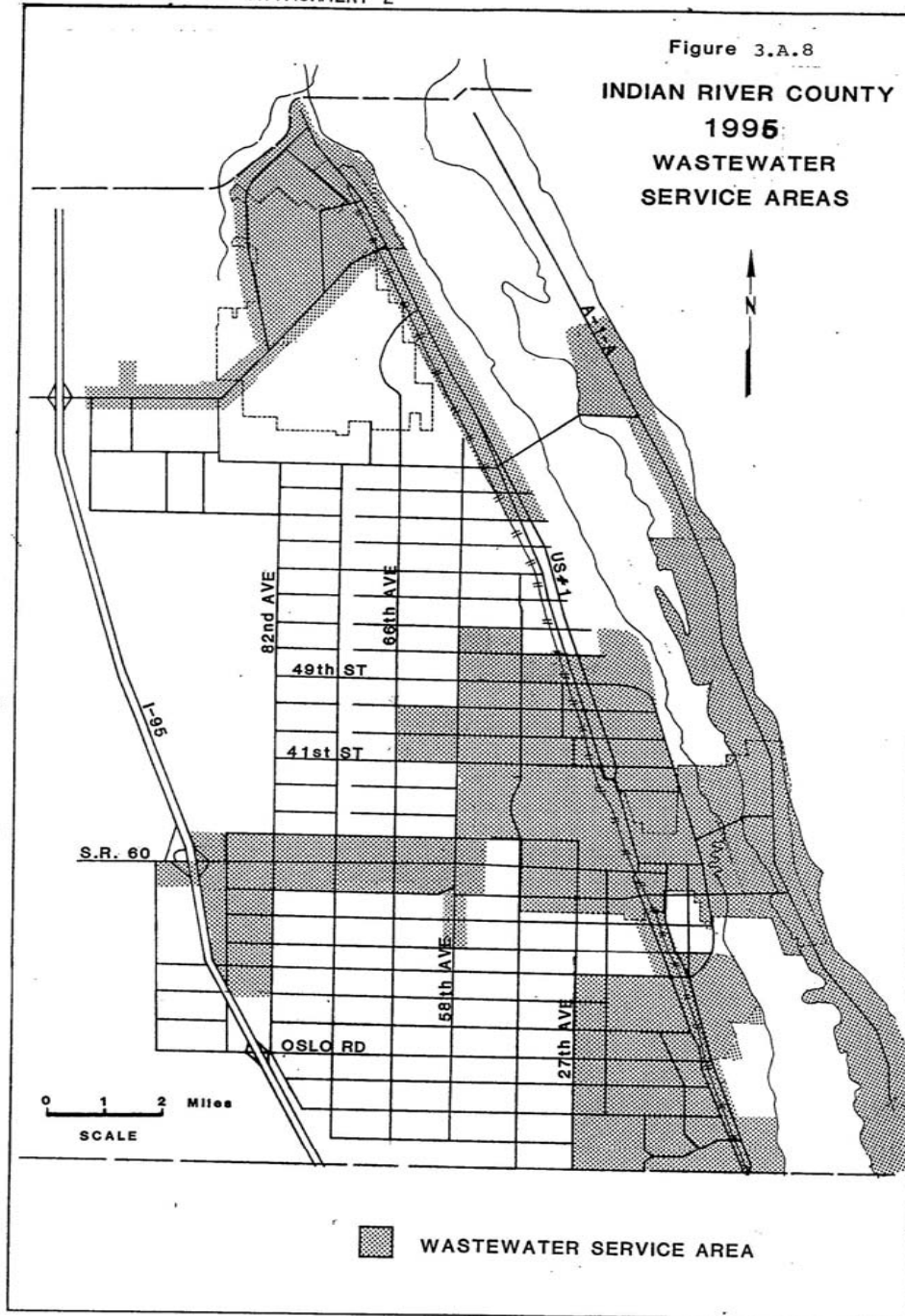
- **Capacity**
  - Increased from **6.8** MGD to **9** MGD
- **Demand**
  - Increased from **2.8** MGD to **4.7** MGD
- **Number of County plants**
  - Decreased from **9** to **5** (4 Decommissioned)
- **Number of private plants**
  - Decreased from **6** to **3**

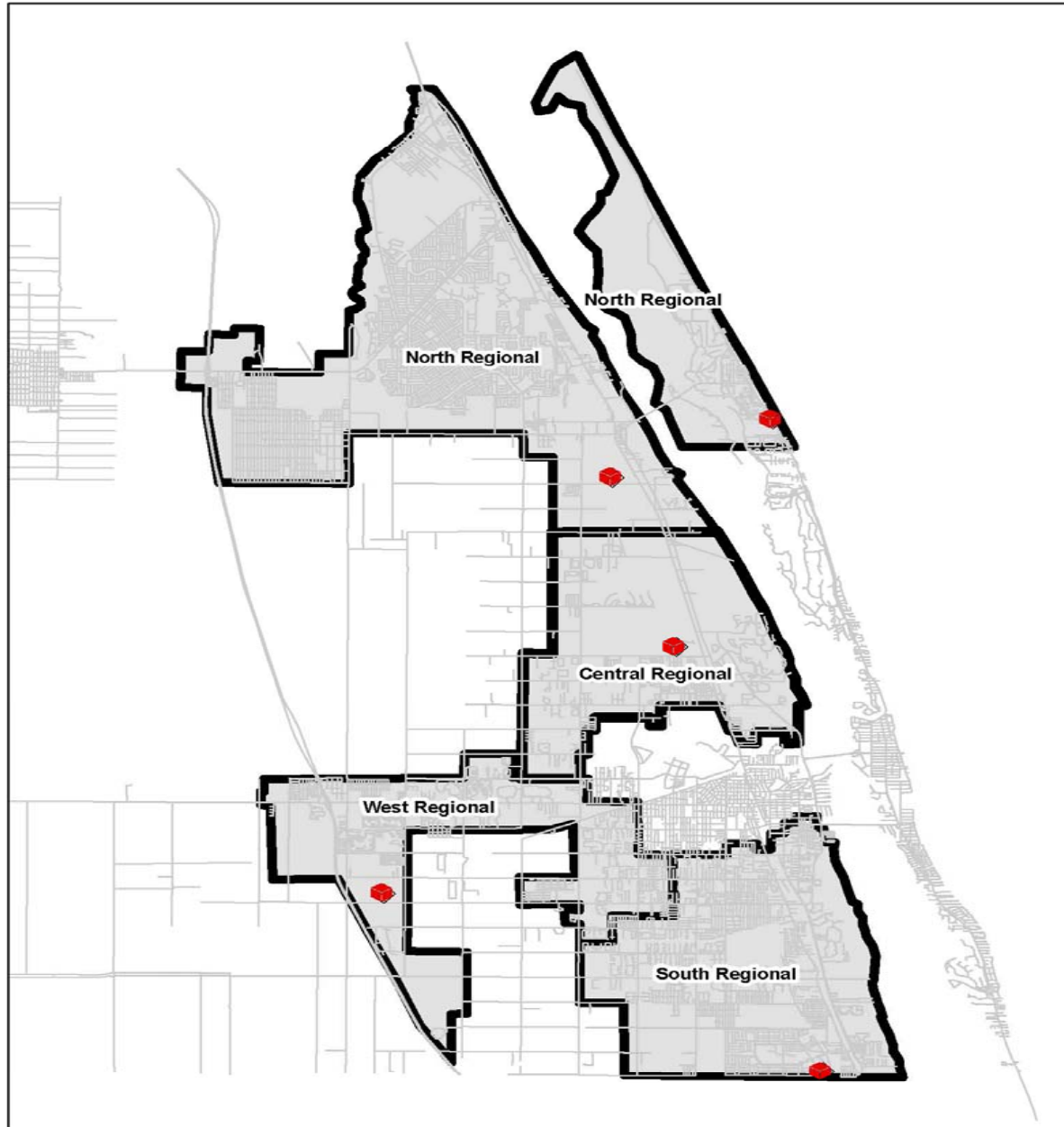
# Sanitary Sewer Conditions (1995-2006)

- **Number of customers increased**
  - From **18,044** to **24,250**
- **Number of subdivisions with undersized lot served increased**
  - From **72** to **94**
- **Service Area**
  - Expanded

Figure 3.A.8  
INDIAN RIVER COUNTY  
1995  
WASTEWATER  
SERVICE AREAS

Source: I.R.C. Utilities Dept. Updated: Jan. 1996





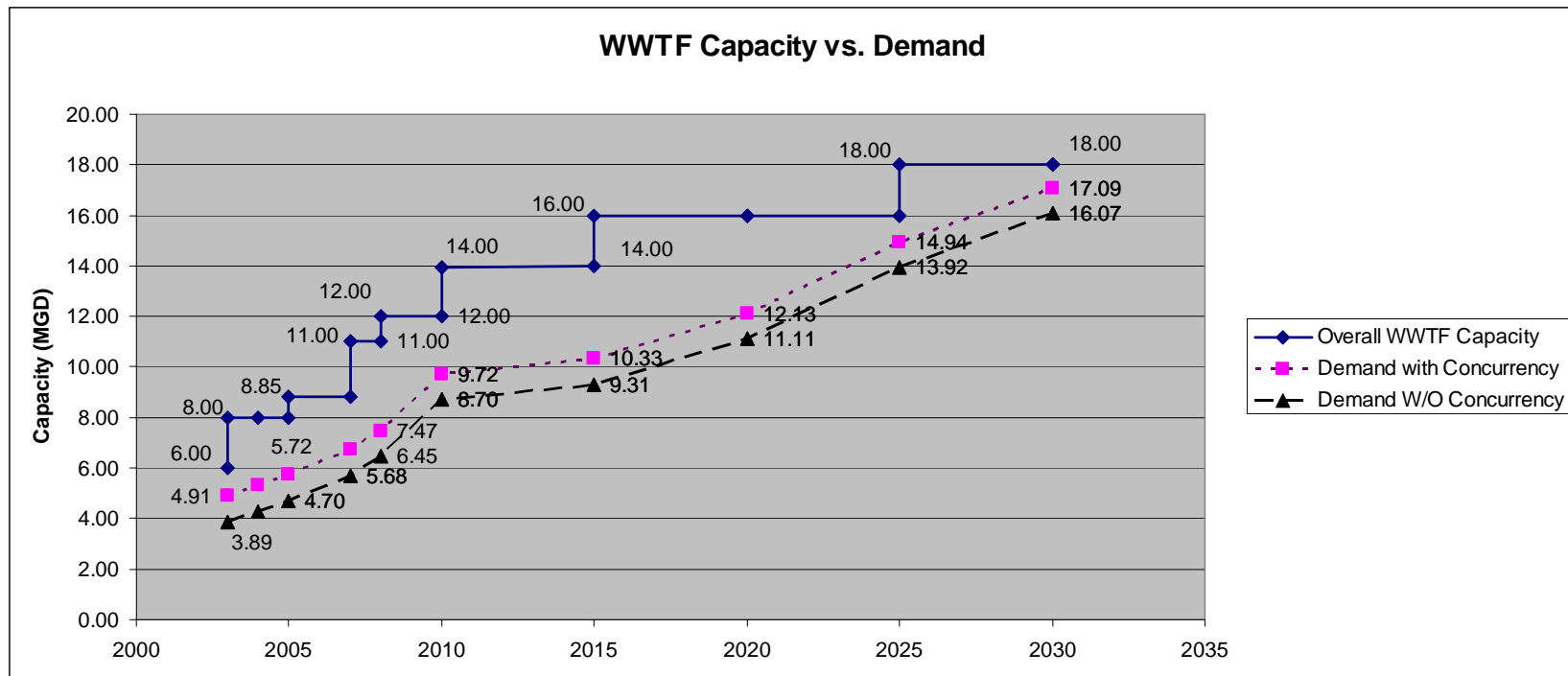
**INDIAN RIVER COUNTY  
DEPARTMENT OF UTILITY SERVICES  
OVERALL WWTF SERVICE AREAS**

2006



# 2030 Capacity and Demand

- Design Capacity : **18 MGD**
- Projected Demand : **17.9 MGD**



# POLICY 5.3

- To ensure that there is sufficient **Capacity** to meet **Demand**, the county takes the following steps:

When a plant's **Demand** is projected to equal or exceed its **Capacity** within

- **5 years:** begin planning and preliminary design for expansion
- **4 years:** prepare plans and specifications for expansion
- **3 years:** submit a complete construction permit application to the Florida DEP for expansion capacity
- **6 months:** submit an application for an operation permit for the expanded facility to DEP

# **Water conservation**

## **( Objective 4, Wastewater Effluent/ Re-Use Water )**

- **Current practices**

- Spray irrigation for golf courses
- Spray irrigation for citrus
- Stored in man-made wetlands

- **New policy**

- All new subdivisions of 25 or more lots within one quarter of mile of an existing re-use line to connect to the re-use line for spray irrigation

# **Sanitary Sewer Sub- Element's Objectives and Policies**

## **Objectives Achievement:**

- 5 achieved
- 1 is not due until 2020
- 1 was not achieved

## **Policies implementation:**

- Maintain, Delete, Add

# SS Sub- Elements Objectives

Objective #	Achieved	Not Achieved	Future Action
1	Not due until 2020		Revise target date
2	✓		Revise target and target date
3	✓		Revise target and target date
4	✓		Revise target date
5	✓		Revise target date
6	✓		Revise target date
7 # of new Septic Tanks permits		✓	Revise target date

# Most important part of EAR

- What is the big picture (goal) ?  
**Efficient and Safe system of sanitary sewer disposal**
- Is the current plan achieving that goal ?
- Do the plan's objectives reflect the end which we want to achieve?
- Do Policies under each objective sufficient to achieve that objective?
- How the plan needs to be changed to make it better ?

- **Questions ?**
- **Comments ?**

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# Most Important Part of any Plan

- **Goal**

**Big picture**

- **Objectives**

**Where we want to go (targets/ends)**

- **Policies**

**How to get there (actions/  
strategies)**

# Goal, Objective, Policy

- **Goal**: Long term end toward which programs or activities are ultimately directed.
- **Objective**: A specific, measurable intermediate end that is achievable and marks progress toward a goal.
- **Policy**: The course of action or way in which programs and activities are conducted to achieve an identified goal or objective.

# Objectives Evaluation

- **Objectives** must be evaluated to determine if they have been achieved.
- **Policies** must be assessed to determine if they have been implemented.