

# **PZC Meeting**

## **9/25/2008**

**Draft Potable Water Sub-Elements  
Evaluation and Appraisal Reports  
(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

# Potable Water Sub-Elements EARs

- Has been reviewed by the Utility Advisory Committee (UAC) since 2006
- UAC review is on-going
- Has been reviewed by the Utilities Department Staff

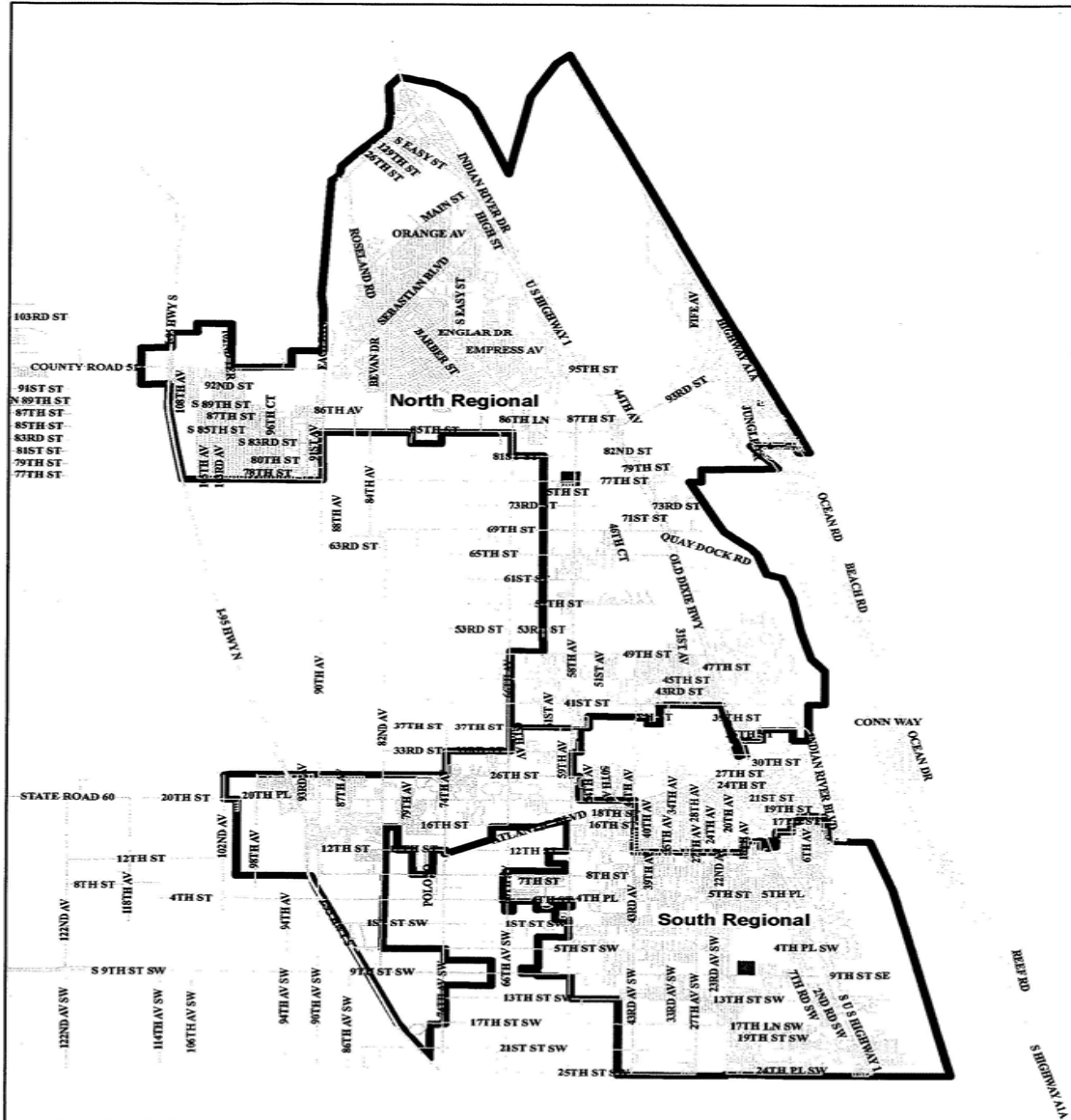
# Potable Water Conditions (1995-2006)

- **Capacity of the County Plants**
  - Increased from **9.5** MGD to **12.07** MGD
- **Demand of the County Plants**
  - Increased from **4.4** MGD to **9.7** MGD
- **Number of County plants**
  - Decreased from **3** to **2**
- **Number of private plants**
  - Decreased from **29** to **3**

# Potable Water Conditions (1995-2006)

- **Number of Residential Units**
  - From **33,365** to **48,188**
  - **Number of customers increased**
  - From **15,681** (47%) to **30,402** (63%)
- **Number of subdivisions with undersized lot served increased**
  - From **72** to **94**
- **Service Area**
  - Expanded
- **Per Capita Water Use**
  - Increased from **61.6** to **104** gallons per day





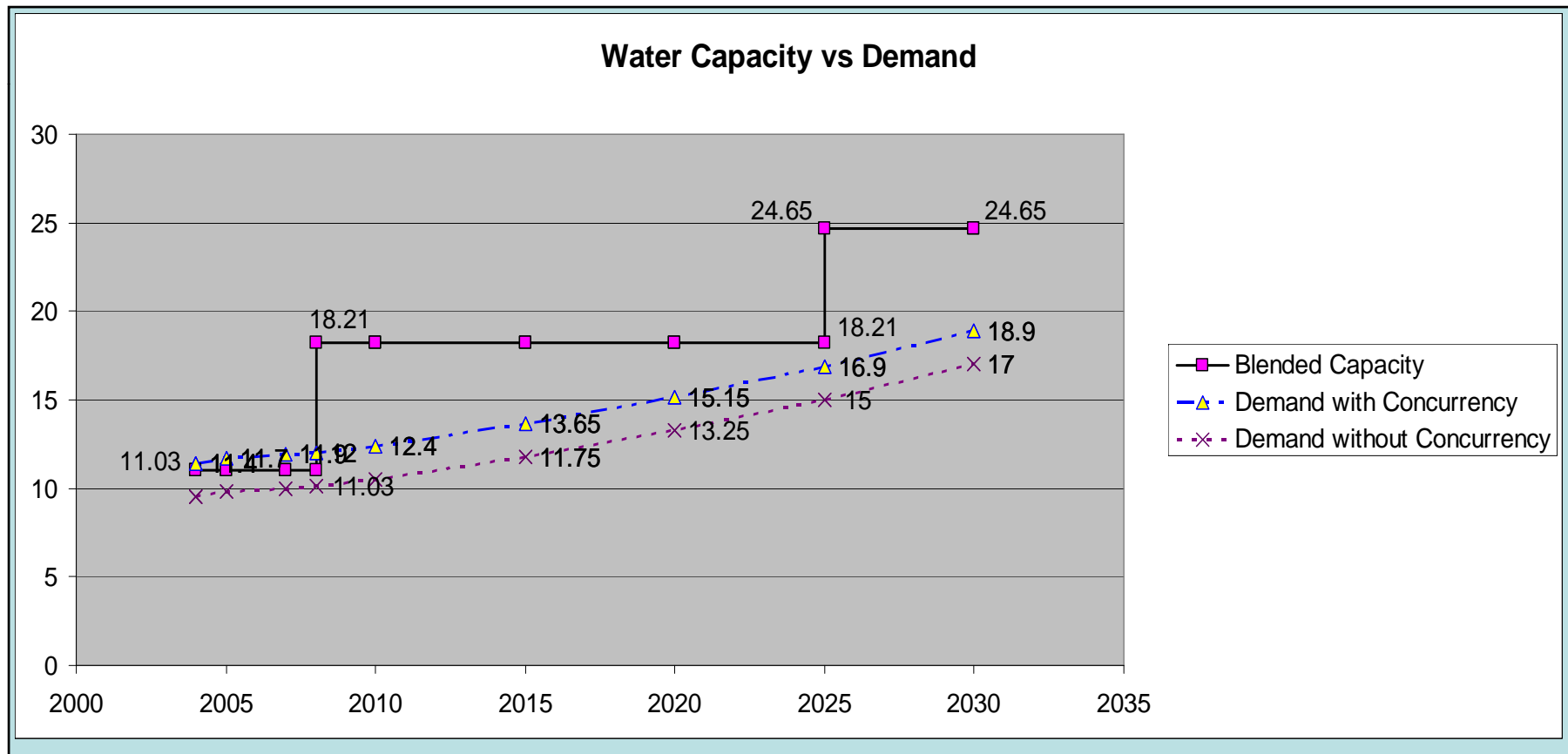
**INDIAN RIVER COUNTY  
DEPARTMENT OF UTILITY SERVICES  
OVERALL WTF SERVICE AREA**



# 2030 Capacity and Demand

Design Capacity : **24.65 MGD**

Projected Demand : **18.90 MGD**



# 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.

# **Potable Water 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

# PW 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 date
4 Per Capita Water Use		✓	Revise target date
5	✓		Revise target and target date
6	✓		Revise target date
7	✓		Revise target date

# **New Policy**

## **New policy under objective 1**

No permit will be issued by the county for projects to be served by the City of Vero Beach Utilities Department until the city notifies the county that sufficient water supply capacity is available to accommodate the project.

# Water Conservation

- **Objective 4 and Policies 4.1- 4.7**
- **New Policies**
  - Requirements for **expansion of effluent Re-use**
    - **Revision to Current Pricing Plans**
  - Provision of **Incentives** for Low Water Use
  - Use of Water from **Retention Ponds for Irrigation instead of Well Water**

# **New Objective**

- **Alternative Water Supply**
  - **New Objective 8**

**By 2018, the county will utilize alternative water supply sources for at least 18 mgd of demand. The alternative water source will supplement water obtained from the UFA.**

# **New Policies**

**New policies under new objective 8**

- **Identify Viable Alternative**
- **Obtain all necessary Permits**
- **Complete all construction plans**
- **Building Associated Infrastructure**

# **New Objective**

- **Brine Disposal**

- **New Objective 9**

**By 2015, all reverse osmosis water treatment plant direct brine discharges into the Indian River Lagoon or into connecting tributaries to the Indian River lagoon will be eliminated.**

# New Policies

**New policies under new objective 9**

- **Identify Viable Alternative Brine Discharge Location**
- **Obtain all necessary Permits**
- **Complete all construction plans**
- **Building Associated Infrastructure**

# Most important part of EAR

- What is the big picture (goal) ?
  - Efficient and Safe system of Potable Water Provision**
  - 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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