

# **Lower East Coast Plan Update, Water Supply Facilities Work Plan, and Water Supply Planning**

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# Linking Growth with Water Availability

- Local Government 18-month “adoption” deadline for the water supply facilities work plan and related amendments
- August 15, 2008 – “Adopted” amendments
  - Miami-Dade & Monroe counties & all municipalities
- March-April 2008 – “Proposed” amendments
  - 120-day clock: “Proposed” → “Adopted”
- January-April 2008 – Local hearing process

# New Requirements

- **Local Governments must submit to DCA:**
  - **A minimum 10-Year Water Supply Facilities Work Plan**
  - **Selection, if any, of Alternative Water Supply (AWS) projects from the Lower East Coast Plan**
  - **Traditional Source, AWS, Conservation & Reuse Projects necessary to meet future needs**
- **Adopt any related amendments to the Capital Improvements Element (CIE) & other elements**

# Also New for Comp Plans

- Identify water supply sources for entire planning period - 163.3167(13)
- Base future land use plan on availability of water supplies & facilities - 163.3177(6)(a)
- Ensure concurrency of water supply at building permit stage - 163.3180(2)(a)
- Report on water supply facilities work plan project implementation in EAR - 163.3191(2)(l)

# Points to Address in Amending Comprehensive Plans

- Is source availability determined?
- Is there a water supplier commitment?
- Does the analysis support the future demands of the amendment?
- Are the necessary facilities included in the Capital Improvement Element?

# Emerging Topics for Discussion

- Water Supply Facilities Work Plan Requirements
- Water Supply Plan Linkage
- Differences in Population Projections
- Water Supply Level of Service
- Existing water supply “deficits” in Comprehensive Plans
- Irrigation Water Use Planning

# **Recent SFWMD Review of Comprehensive Plan Amendments**

## **■ RECENT ISSUES**

- Source Availability (traditional vs alternative)**
- Planning Period Sources (2010→ 2030)**
- Supplier (not stated, conflicting or unable)**
- CIE Facility Planning (project size & timing)**

## **■ 10-YEAR WORK PLANS RECEIVED**

- NEW – Palm Beach County, Martin County, Collier County, Port St. Lucie, Hendry County & Miami-Dade County**

# Water Supply Facilities Work Plan Issues

- Must address ALL water supply providers serving jurisdiction & demand projections
- A minimum 10-year work plan is required even if jurisdiction does not provide water
- Must identify source of future supply
- Agreement on future utility service areas
- Selection of AWS projects from WMD Plan
- Projects in work plan need to match CIE/CIS
- Need to address conservation & reuse



# Water Supply Plans Provide Foundation for Linkage

- Water Supply Plans now identify *specific* projects to meet demands for next 20 years
- Appendix B of Lower East Coast Plan (LEC) provides guidance and identifies sources of information needed by local governments
- Local governments are to incorporate projects into comprehensive plans within 18 months of LEC plan's approval (Feb. 15, 2007)
- Future land use amendments must identify sources of supply and be based on the availability of water supplies and associated public facilities

# Population Projections

- Conflicting population projections between local plans, permits, and water supply plans
- Future land use plans often accommodate a population growth greater than standard population projections (e.g. medium-BEBR)
  - This can result in conflicting population projections, whether based on a share of state's growth (BEBR) or future land uses
  - Non-standard, alternative population projection methodologies must be approved by DCA & be reflected in all the various elements of a local government's comprehensive plan

# Water Supply Level of Service

- No standard definition exists for water supply Level of Service (LOS)
- We encourage separate level of service standards for non-residential land use categories

# Resolution Of Existing “Deficits”

- Many local comprehensive plans have an existing deficit for water supply source identification or water supply facility planning that must be addressed:
  - At the water supply facilities work plan stage
  - At the next plan amendment, or
  - At the EAR & EAR-based amendment

# Project Matching to CIE/CIS

- The traditional, AWS, conservation and reuse projects listed in the work plan need to match (i.e. be clearly identifiable, using consistent nomenclature) through out the local government's 5-year Capital Improvements Schedule (CIS) and Capital Improvements Element (CIE), as appropriate.
- All projects need to be identified as to technology and source being utilized, and design capacity size (e.g. 5 MGD)

# Irrigation Water Use Planning

- Irrigation can account for a significant portion of water supply demands
- Reclaimed water is typically not available at sufficient quantities during the initial phases of developments; need to plan for interim and/or alternative sources
- Irrigation water planning should be given a higher level of attention than currently
- Irrigation planning is especially important in areas of limited traditional water supply sources, such as Palm Beach County

# Technical Assistance to Help Bring the Pieces Together

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