

Status of Regional Water Supply Plan Updates

Jim Jackson, Water Supply Department

February 9, 2006

South Miami-Dade Watershed Study Advisory Committee

Today's Presentation

- Overview of water supply planning process
- Information on Lower East Coast Plan Update
- Information on recent legislative changes
- Status of water supply plans

Four Water Supply Plan Regions

Population by Region

Required Plan Elements

- Updated demand estimates to 2025
- Resource analysis
- Issue identification
- Water source evaluation
- Water resource development projects
- Water supply development projects

New Requirements

- Requires specific water supply "project" proposals versus menu of "source" options
- Increased annual alternative water supply funding
- Tied funding to water supply plans
- Local government comprehensive plans to identify specific projects from water supply plans sufficient to meet projected demands

Why are Alternative Water Supplies Needed?

- Traditional sources limited
- Proactive approach to meet future water needs
- Reduce potential impacts on and competition with natural resources
- One time use of water no longer considered beneficial use

Integrated Water Resource Management Strategy Potential Sources of Water

- Diversification
- More efficient use of existing sources
- Alternate sources
- Reclaimed water
- Indirect Aquifer Recharge
- ASR / Stormwater reuse
- Floridan Aquifer water using R/O

Facilities Using Brackish Water

FY 2006 Alternative Water Supply Funding

District Funds

AWS on-going projects \$ 6.6M
WR Development (supporting AWS) \$ 9.3M
Water Conservation \$ 1.7M
AWS New Construction \$13.1M
District Total \$30.7M

State Funds (SB444) \$30.0M

FY2006 AWS Funding \$60.7M

Alternative Water Supply Funding Future Years

- Annual State Funding and District match total \$36 million
- Some District match for supporting programs
- 80% of funding reserved for projects listed in water supply plans
- Listing of projects in plans does not guarantee funding
- Annual funding determined by Governing Board

Water Supply Plan Updates

- Plans to be updated by July 2006
 - Plans must include enough projects to meet projected demands in 2025
 - Based on proposed projects submitted by water suppliers and water users
 - Strong push to alternative water supply and conservation
 - Recognize uncertainties of water availability from CERP, the Everglades and Lake Okeechobee

LEC Potential Projects FY 2007 - 2025

- Reclaimed Water 52
- Brackish Water 31
- Aquifer Storage and Recovery 9
- Storage/ Other 12

Key Milestones for Plan Updates

- Regional workshops: Sept.- Dec. 05
- Draft future project lists: Jan. 06
- Plan review workshops: March - May 06
- Governing Board approval: July 2006