2011 Upper East Coast Water Supply Plan Update

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Treasure Coast Regional Planning Council
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Water Supply Plan Requirements

- Current and future look at water needs
- Strategies to meet future water demands and the needs of the environment
- Based on at least a 20-year future planning horizon
- Updated every 5 years
Public Participation

- Water Resources Advisory Commission
  - Serves as overall forum
- Four public workshops to date
- Meetings with stakeholders, local governments & utilities
- Presentations to local elected bodies
- Draft UEC documents distributed & discussed at:
  - Public workshop on December 15
  - WRAC and Governing Board meetings on January 6 & 12
  - Receiving written comments through February 10
Planning Horizon 2010 - 2030

Population projected to increase from 437,118 in 2010 to 791,863 people in 2030

Irrigated agricultural acreage forecast to increase from 95,116 acres to a range of about 97,587 - 115,768 acres.

Overall water demands estimated to increase from 230 MGD to approximately 320-340 MGD
Water Supply Issues

- Increases in withdrawals from surficial aquifer limited
  - Wetlands
  - Salt water intrusion
- Surface water availability (storage) limited
- Freshwater discharges affecting health of coastal resources
  - Timing
  - Volume
Water Source Options

- Conservation
- Surficial Aquifer System
- Reservoirs
- Floridan Aquifer System
- Aquifer Storage & Recovery
- Seawater
- Surface Water
- Reclaimed Water
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The needs of the region can continue to be met with appropriate management and diversification of water supply sources during a 1-in-10 year drought condition through 2030.
Future Direction

- Continue diversification of water supply sources
- Increase conservation and water reuse
- Complete East Coast Floridan Aquifer model
  - Collaborate with local users for data
- Continue aquifer monitoring programs
- Continue to identify the impact of sea level rise on utility wellfields at risk of saltwater intrusion
- Continue to coordinate with local governments and utilities
- Implement Comprehensive Everglades Restoration Plan (CERP)
Following approval of the Water Supply Plan Update:

- Local governments must amend comprehensive plans within 18 months of water supply plan update to include:
  - Facilities Work Plan that demonstrates sufficient water supply for at least next 10 years
  - Water supply can be met with projects and/or conservation
What’s Next?

- Receive written comments - February 10
- Presentations to local governments - January - February
- Stakeholder Workshop (if necessary) - February 24
- Final Plan to WRAC - March 3
- Final Plan to Governing Board - March 10
  - St. Lucie County
Questions

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