## Linking Water Supply & Land Use Planning

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Northwest

Suwannee River

### A Statewide Perspective (The People)

#### **Florida's Population**

2005 Population	18 millior
Projected 2025 Population	25 million
Population Increase	7 millior
Percent Increase	40%





Northwest

Suwannee River

### A Statewide Perspective (The Water)

#### **Florida's Water Demands**

Statewide 2005<br/>Demands6,700 MGDProjected 2025 Demands8,700 MGDIncrease in Demands2,000 MGDPercent Increase30%

St. Johns Southwest South Florida



## **Statewide Water Demands**

2005 2025 **Power Generation Power Generation** 3% **Domestic & Small** 5% **Domestic & Small Public Supply Public Water Supply Public Supply** 4% **Public Water Supply** 37% 4% 43% Agriculture 35% **Agriculture** 43% **Commercial / Industrial Commercial / Industrial** 8% Recreation 8% Recreation 5% 5%

#### Total: 6.5 BGD

Total: 8.5 BGD



#### State Law Now Links Growth with Water Availability





## Linking Growth with Water Availability

Increased focus on alternative water supplies

Improved communication between utilities and planning departments

Strengthened link between water supply plans and land use planning



## Why are Alternative Water Supplies Needed?

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







## **Local Government Requirements**



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#### **Local Government Requirements**

- Within 12 months of receiving letter, notify District:
  - Which recommended projects will be built
  - Identify additional projects to replace or supplement recommended projects
  - Identify quantity of water to be produced
  - Provide status of implementing projects





Four Planning Regions



#### Percent Increase 2025 vs 2005 Population





## **Population by Region**





## Public Water Supply Demands will be 1.9 Billion Gallons Per Day by 2025

	Current Demands	+ New Demands	= Total	
UEC (2000)	36.5	65.4	102 MGD	
Kiss (2000)	114	126	240 MGD	
LEC (2005)	912	375	1,287 MGD	
LWC (2005)	145	127	272 MGD	



### Alternative Water Supplies Will be Critical to Meet Future Demands in the District



ASR – Aquifer storage and recovery





# **Questions?**



