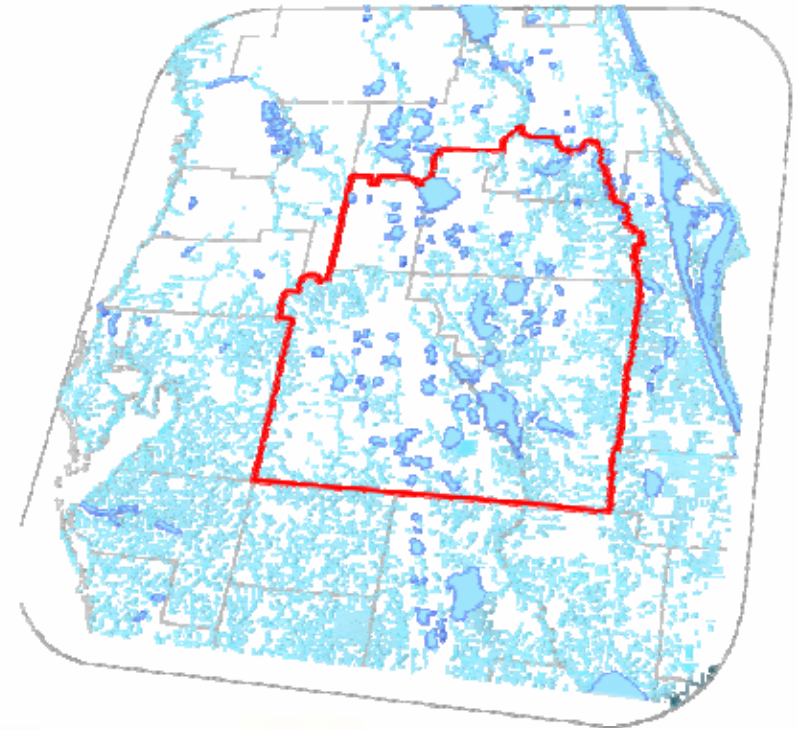


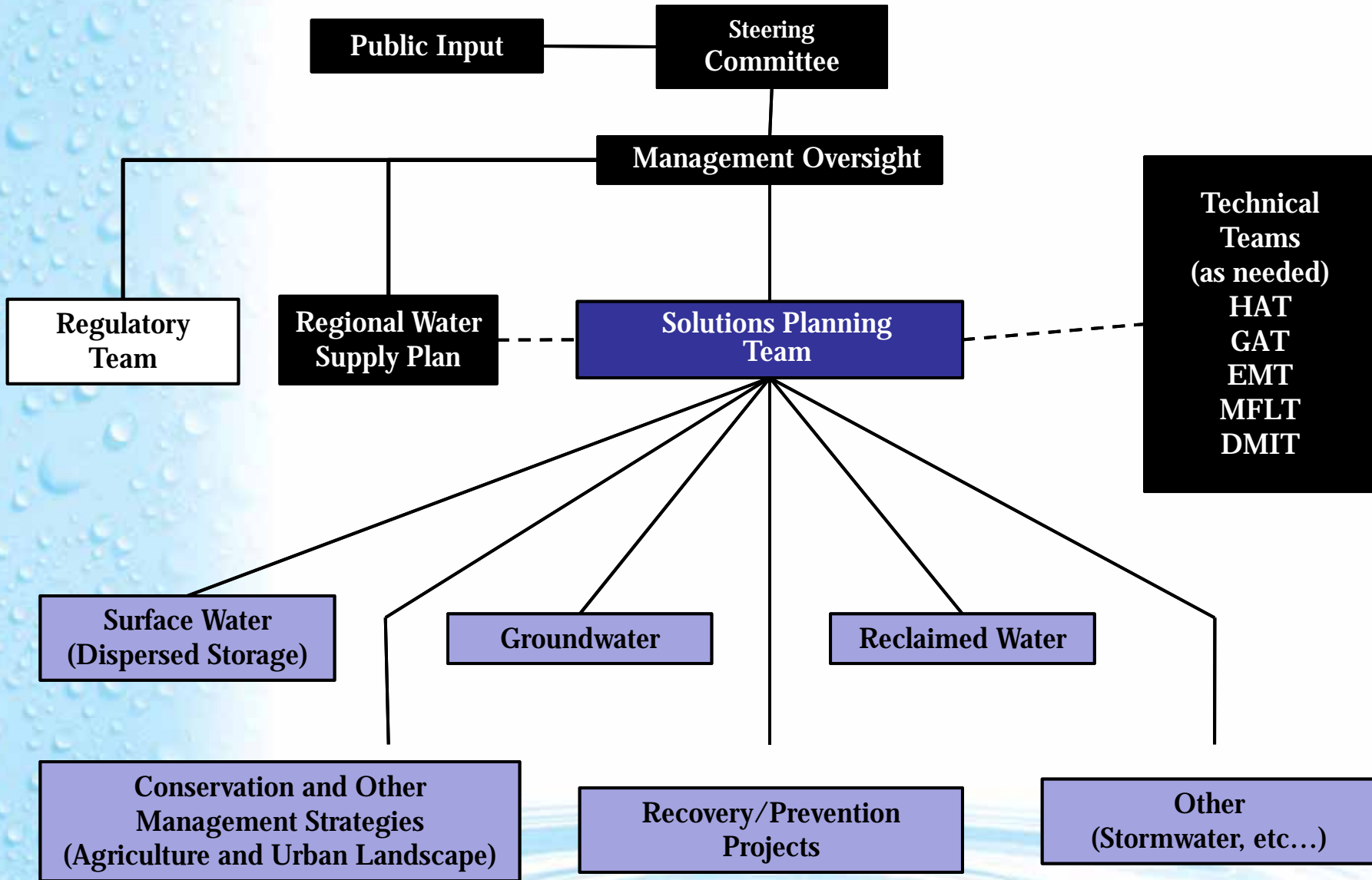
Steering Committee Meeting

December 13, 2013

Solutions Team Update



Central Florida Water Initiative



Solutions Team Goal

Develop alternatives to meet water demands by optimizing the use of existing groundwater and by identifying viable conservation and other management strategies, viable alternative and non-traditional water supplies, areas that may require recovery or resource protection and areas where regulatory and water resource protection strategy consistency may be needed.

Solutions Team Schedule

- June 2013 - Formation of SPT
- July 2013 – Confirmation of SPT
- July – Dec 2013 – Review of RWSP
- Aug – Oct 2013 – SOW Development
- Oct 2013 – Confirmation of SOW
- Oct 2013 – Creation of Sub-teams
- Nov 2013 – Selection of Sub-team Leaders

SPT Work Begins

- **Dec 2013 – Develop future milestones**
- **Continuous – Sub-team meetings**

Central Florida Water Initiative

1,083 MGD
Total Water Needed (2035)



158 MGD
Alternative Water Supplies Needed

75 MGD
Potential Available Groundwater

50 MGD
Additional Groundwater Available

800 MGD
Current Groundwater Used

Solutions Team Sub-teams

- Surface water (dispersed storage, reservoirs)
- Groundwater
- Reclaimed water
- Conservation & other management strategies (agriculture & urban landscape)
- Recovery/prevention
- Other (stormwater, etc.)



Solutions Sub-team Leads

- Surface water - Hal Wilkening, SJRWMD
- Groundwater - Ken Herd, SWFWMD
- Reclaimed water - Joanne Jackson, Altamonte Springs
- Conservation & other management strategies - Jim Fletcher, UF
- Recovery/Prevention - John Zahina, SFWMD
- Other - Stephen Miller, VHB Miller Sellen

Solutions Team Sub-teams

Basic Project Questions

1. Identify regional water supply project
2. Cost-benefit analysis of yield
3. Cost estimates (Capital & Annual O&M)
4. Identify water resource constraints
5. Identify potential partners and governance options
6. Pumping, storage and transmission configurations

Solutions Team Sub-teams

Basic Project Questions

7. Project feasibility
8. Funding sources
9. Project limitations or constraints resulting from rule inconsistency
10. Other considerations – public concerns or non-technical obstacles
11. Estimated implementation schedule

CFWI Water Supply Project Summary

| Project Category | Project Options | Estimated Water Generated (mgd) | Total Capital (\$M) |
|---|-----------------|---------------------------------|---------------------------|
| Surface Water | 15 | 184 to 209 | \$1,871 to \$2,035 |
| Brackish Groundwater | 35 | 45 to 75 | \$482 |
| Fresh Groundwater | TBD | 0 to 75 | TBD |
| Reclaimed Water | TBD | TBD | TBD |
| Conservation & Other Management Strategies (AG & Urban Landscape) | TBD | 42 | \$451 |
| Recovery/Prevention | TBD | TBD | TBD |
| Other - Stormwater, Dispersed, Storage, etc. | 2 | 4 | \$27 |
| Total | 136 | 275 to 405 | \$2,831 to \$2,995 |

Project Potential

Solutions Team Goal **250 mgd**

7 Largest Projects **242 mgd**
(97% of Goal)

Reclaimed Water **TBD**

Conservation **42 mgd**
(17% of Goal)

Central Florida Water Initiative

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Solutions Planning

The Central Florida Water Initiative's (CFWI) primary focus is to provide for more effective water resource planning, development and management procedures. The Solutions Planning Team (SPT) will build upon the results of the CFWI planning process and address future steps toward meeting the water supply needs of the region.

Alternative and nontraditional sources of water will be needed to help meet projected water supply demands in the CFWI planning area. The SPT will develop alternatives to meet the water demands by optimizing the use of existing groundwater, and by identifying viable conservation and other management strategies, viable alternative and nontraditional water supplies, areas that may require recovery or resource protection and areas where regulatory and water resource protection strategy consistency may be needed.

The final work product of the SPT will be a CFWI 2035 Water Resources Protection and Water Supply Strategies document, which will be incorporated into the CFWI Regional Water Supply Plan. The SPT results will provide relevant project information to further develop specific water supply projects through partnerships with water users. The information will include the necessary financing, cost estimates, potential sources, feasibility and permitability analysis, identification of governance structure options and any potential recovery needs.

Several subteams will be involved in the SPT process, including

- Surface water (dispersed storage and reservoirs)
- Groundwater
- Reclaimed water
- Conservation and other management strategies (agriculture and urban landscapes)
- Recovery/prevention projects (coordinated with other teams as needed)
- Other (storm water, etc.)

Tasks

The SPT's scope of work includes:

- Reviewing the regional alternatives identified in the CFWI Regional Water Supply Plan
- Identifying the largest water supply deficits and considering the timing of the needs
- Developing potential water supply and conservation project options identified in the CFWI Regional Water Supply Plan or other project options developed by the subteams
- Identifying potential partnerships to encourage regional interconnects and maximize economies of scale and efficiencies
- Identifying potential need for recovery and prevention in coordination with other activities
- Developing a Comprehensive Water Resource Monitoring and Assessment Program in conjunction with the Data Monitoring and Investigation Team
- Assisting in conducting workshops and public meetings for the CFWI 2035 Water Resources Protection and Water Supply



Pipes going to be installed to extend a reclaimed water line



Water captured in stormwater ponds can be used as a source of water for irrigation



Questions