

Progress Update – Stormwater Subteam

April 17, 2014

CFWI Stormwater and “Other” Sub-Team Goal Statement

Identify and evaluate stormwater and other related water supply options that exist, or are under consideration, in the Central Florida Water Initiative Region that could be successfully designed and permitted to help alleviate projected water supply and resource constraints

Central Florida Water Initiative

Other Stormwater, Dispersed, Storage, etc.

County	CFWI Sub-Regions	Project Name	Implementing Agency or Entity	Project Description	Project Type	Water Source	Est. Water Generated (mgd)
Seminole	SJRWMD	Altamonte Springs FDOT Reuse & Stormwater Treatment (AFIRST)	Altamonte Springs	Stormwater treatment and associated facilities to produce public access reuse	Other	Reclaimed Water and Storm Water Reuse	4.5
All Counties	Multiple	Dispersed Storage	Multiple	Dispersed storage of stormwater/surface water	Other	Stormwater Surface water	TBD
							4.5

Central Florida Water Initiative (CFWI) Stormwater and “Other” Sub- Team Draft Work Plan

The sub-team consists of representatives from all three CFWI Region water management districts and technical representatives of business/industry and public utilities.

- **Sub-Team Goal**

Identify and evaluate stormwater and other related water supply options that exist, or are under consideration in the CFWI Region, that could be successfully designed and permitted to help alleviate projected water supply and resource constraints.

- **Sub-Team Approach**

The sub-team will work within a collaborative environment under the guidance and direction of the CFWI Steering Committee and Solutions Planning Team with open and full information sharing, as well as joint responsibilities and accountability for completing assigned work products.

- **Sub-Team Objectives**

Work Collaboratively to:

1. Evaluate stormwater projects within the draft CFWI Regional Water Supply Plan (RWSP) including cost-benefit analysis of yield, sources, water resources constraints, water quality and potential hazardous materials, seasonal supply characteristics, potential partnerships, pumping and transmission configurations, feasibility, and permissibility, and funding options.

2. Identify and evaluate additional project opportunities that can be considered which were not presented in the RWSP.
3. Coordinate with the Regulatory Team to identify project limitations or constraints resulting from the inconsistency of rules of the three WM Districts within the CFWI region.
4. Coordinate with the RWSP Team and appropriate affected stakeholders to develop future steps toward achieving sustainable, long-term, water supply alternatives.
5. Collaborate with the CFWI Surface Water and Reclaimed Water Sub-Teams to identify and evaluate additional project opportunities that can be considered which were not presented in the RWSP.
6. Contribute sustainable solutions for the development of the CFWI 2035 Water Resources Protection and Water Supply Strategies.

Sub-Team Scope of Work and Timelines

1. Establish Sub-groups: (Jan-Feb)

Discuss and identify the overall variety and types/ jurisdictional aspects of potential stormwater and related project opportunities. Based on sub-team members expertise and experience, assign individuals to collectively research and provide focused analysis and recommendations for selected categories of opportunities. It is expected that three or more sub-groups will be established.

2. Gather project opportunity data and vet projects within sub-groups (Feb-Mar)

3. Overall Sub-Team discussions and Identification of options/ projects to further evaluate, including: (Mar-Apr)

- a. Pros and cons to compare with identified stormwater and “other” projects
- b. Obstacles and challenge
- c. Linkages with other sources/ strategies and other sub-teams alternatives
- d. Timing
- e. Success factors and related limitations

4. Sub-groups work and focus on furthering evaluation of selected options (May-Aug)

Possible actions include:

- a. Invite other potential partners to join in the discussions on selected projects
- b. Additional analysis undertaken (engineering, soils, WQ, financials, etc)
- c. Engage permitting agencies and Regulatory Team to vet permitting likelihood
- d. Coordinate with surface water and reclaimed water sub-teams on linkages/ conjunctive use/ dispersed storage

5. Sub-team discussion and vetting/ feasibility/ and preliminary timing/ categorizing based on additional work completed (Aug-Sept)

6. Preparation of draft options (Sept-Nov)

7. Final CFWI Water Resources Protection and Water Supply Strategies to Solutions Planning Team (Dec)

Presentations/ Research and Project Opportunities

- FDOT Stormwater Reuse: Rick Renna PE, FDOT
- AFIRST FDOT/ Altamonte Springs/ Apopka Stormwater Project – 4.5 MGD
- SFWMD - Chuck Walter: Reedy Creek/ Shingle Creek Basins Project opportunities - 11MGD +/- each
- Nic Andreyev - Econ Basin/ BMAP stormwater opportunities: 10 MGD +/-

- SWFWMD – Lisann Morris: Upper Peace Creek near Lake Wales/ Winter Haven: 2+ MGD seasonal supply
- Kissimmee/ St. Cloud: Judge Farms Opportunity: 10 – 30 MGD
- I-4 Ultimate Expansion P3 Stormwater Opportunities with Concessionaires/ FDOT support: TBD
- Wekiva Basin Project Opportunities TBD