

# Central Florida Water Initiative

Orlando World Center Marriott

Friday, July 22, 2016

## Meeting Summary

(All presentations made to the Steering Committee have been posted on [www.cfwiwater.com](http://www.cfwiwater.com))

### 1. Introductions

- Steering Committee members present: Ryan Matthews (FDEP), Brian Wheeler (TOHO Water), John Miklos (SJRWMD), Steve Dwinell (DACCS), Dan O'Keefe (SFWMD)
- The sign in sheet for those in attendance has been posted to the website.

### 2. Consent Items

- The April 1, 2016 meeting summary was approved as presented.

### 3. Robert Beltran provided the following update on funding:

- CFWI 2020 Funding Principle
  - *Encourage funding for regional strategies necessary to achieve the objectives of the CFWI*
- CFWI FY16/17 Regional Priority Approved Projects
- Web Page Application

Found at: <http://cfwiwater.com/planning.html>

Direct Download: <http://cfwiwater.com/pdfs/CFWI-Regional-Funding-Project-Application.docx>

- CFWI FY 16/17 Approved Projects Funding Requests Received

	<b>Total Funding Request FY 16/17</b>
<b>GROUNDWATER PROJECTS</b>	
South Lake County Wellfield (Individual Requests)	\$ 1,650,000
Cypress Lake Wellfield	\$ 5,000,000
Southeast Polk County Wellfield (centralized)	\$ 450,000
<b>RECLAIMED WATER PROJECTS</b>	
TECO Polk Power Reuse	Complete
AFIRST/Altamonte Springs	Complete

SURFACEWATER PROJECTS	
Grove Land Reservoir and Stormwater Treatment	Already Funded FY 16/17
STORMWATER PROJECTS	
Judge Farms Reservoir and Impoundment	\$ 9,754,000
<b>TOTAL</b>	<b>\$ 16,854,000</b>

- CFWI Preparation Schedule for Encouragement of Regional Funding
  - Steering Committee Meeting July 22, 2016
    - Preliminary list of Proposed Projects by Managing Entities
    - Deadline to Submit Final Project Information August 2016
  - Review of Proposed Projects August & September
  - Steering Committee Meeting October 2016
    - Approval for projects to be considered for “encouragement” of the regional strategies necessary to achieve the objectives of CFWI for FY 16/17
  - District Governing Boards approval of CFWI funding priorities November 2016
- Proposed process to encourage funding for NEW regional strategies necessary to achieve the objectives of the CFWI
- Schedule for Encouragement of Regional Funding for New Projects & Year 2 Funding
  - Steering Committee Meeting July 22, 2016
    - Review of proposed process
  - Submittal of Preliminary new & approved projects September 2016
  - Steering Committee Meeting October 2016
  - Deadline to Submit Final project information new & approved November 2016
  - Review of proposed Projects by Technical Teams November to March 2017
  - Steering Committee Meeting April 2017
    - Approval for NEW and Year 2 Funding of approved projects to be considered for “encouragement” of the regional strategies necessary to achieve the objectives of CFWI for FY 17/18

Ryan Mathews asked about the \$1,650,000 for individual projects associated with the South Lake County Wellfield. Robert Beltran explained that a number of individual applications had been received from local governments referencing the wellfield. After a short discussion there was a general consensus that the committee would prioritize funding based on the 20 projects in the solutions phase. An additional review process needs to be established for considering projects outside the original 20. However, the committee’s recommendations will favor regional, multiple partner AWS efforts over individual requests. The committee gave direction to the MOC to move in this direction.

#### 4. Steven Memberg gave the following Regulatory Team Update

- Regulatory Topics
  - Following Dec 2013 FDEP Guidance Memo
    - WMD coordination on pending applications
    - Review of permit duration
    - Water conservation criteria
  - Reporting consumptive use data
    - Updated list of pending applications and issued consumptive use permits
    - Available on [www.cfwiwater.com](http://www.cfwiwater.com)

- CFWI Consistency

##### H2: Regulatory and statutory options

Identify options for uniform regulations and statutory changes as needed.

- Determine conceptual approach for rule options for each topic
  - June 1, 2016
- Provide initial draft rule language options for each topic
  - October 1, 2016
- Publish Notice of Rule Development for CFWI rules (DEP)
  - December 31, 2016
- SB 552 – Uniform Rules
- Reg Team Topic Groups
  - Conditions for issuance
    - SJRWMD - Mary Ellen Winkler
  - Uniform definition of harm
    - FDEP - Kristine Morris
  - Uniform demand calculations
    - Utility - Krystal Azzarella & Terry McCue
    - Agriculture – Rebecca Elliott (FDACS)
    - Industrial/Commercial - Eric Olsen
  - Landscape irrigation restrictions
    - SJRWMD - Mary Ellen Winkler
  - Addressing potential impacts outside of the CFWI boundary
    - SJRWMD - Mary Ellen Winkler
  - Uniform conservation requirements
    - Utility - Christine Russell & Mike Sweeney
    - Agriculture - Rebecca Elliott (FDACS)
    - Industrial/Commercial - Eric Olsen

- Use of MFLs and reservations in the permitting process
  - FDEP - Kristine Morris
- Single permitting model tool
  - SFWMD - Steven Memberg
- Permitting thresholds
  - SFWMD - Steven Memberg
- Permit conditions
  - SWFWMD - Amy Brennan

Uniform demand for utilities and Landscape Irrigation Restrictions to receive updates in August. The August meeting will also include a discussion on permitting thresholds.

- Topic Group Coordination
  - Working with of CFWI Technical Teams to accomplish our goals:
    - Hydrologic Analysis Team
      - Modeling tools
      - Permitting thresholds
    - Environmental Measures Team
      - Definition of harmful to the water resources
      - MFLs in the permitting process
    - Conservation Team
      - Uniform conservation requirements
      - Landscape irrigation restrictions
- Upcoming
  - Continued progress on regulatory topics
  - Face to face meeting set for August 19<sup>th</sup>

5. Tammy Bader gave the following update on the RWSP Team

- Regional Water Supply Plan Schedule

Key Components	Start	End
ECFTX Model Completion	1/1/2015	12/30/2017
Develop population and water demand projections – tabular and spatial distribution	1/1/2015	12/31/2017
Per Guiding Principle 3 – Develop consistent rules (Regulatory Team)	4/1/2016	12/31/2016
Update water conservation and reclaimed water estimates and options	4/1/2016	12/31/2018
Update water supply and water resource development project options	12/15/2017	8/16/2018
Evaluate and assess water sources	12/31/2017	9/8/2018
Produce Draft 2020 Regional Water Supply Plan (first internal draft 6/4/2019)	4/30/2019	10/9/2020
Conduct public workshops and meetings on the Draft 2020 Regional Water Supply Plan	2/03/2020	10/20/2020

- **Base Year / Plan Horizon**
  - 2015 Base Year
  - Plan Horizon through 2040
    - Projections in 5-year increments
    - Projections in tabular and spatial format
- **Base Year / Plan Horizon**
  - Historic data to be used = 2011-2015
  - Historic data will match ECFTX model
  - County level population projections
    - Bureau of Economic and Business Research (BEBR), 2016 publication
    - Florida Department of Agricultural and Consumer Services (FDACS)
      - Florida Statewide Agricultural Irrigation Demand (FSAID), 2016 publication
- **Action Items**
  - 2 Population projection options presented
    - BEBR parcel level projections
      - CFWI method would differ from the current methods that are used by SFWMD and SJRWMD
      - Estimate of \$145,000 to be split evenly between the Districts
    - Utility specific historic growth rate (2011-2015)

The committee discussed the cost for each District. Brian Wheeler noted that from a utility perspective that is a low cost compared to the received benefit. Many members expressed that impartiality was a significant benefit. Due to numerous issues with the utility specific rate, including inconsistent population calculations and the fixed growth rate, and the favorable comments, the committee voted to move forward with recommended the use of BEBR to the Districts.

- **Concurrence Items**
  - Public Supply
    - Allocations equal to or greater than 0.100 million gallons per day (mgd)
    - Specific 5-year average gross per capita
  - Small Public Supply Systems
    - Allocations less than 0.100 mgd
    - Specific 5-year average gross per capita
  - Domestic Self-Supply

- Residences with their own well, not served by a utility
- County-wide 5-year average residential per capita
- Power Generation
  - 10-year site plan
    - Contains historic and future megawatts
  - Five-year historic average - water use per megawatt
  - Use per megawatt average applied to future megawatts
- Golf Courses
  - Acreage from comprehensive plans, sector plans, industry representatives, etc.
  - Water demand via Agricultural Field-Scale Irrigation Requirement Simulation rates
  - Increase added to base year
- Other Landscape/Recreation/Aesthetic
  - Percent population growth applied to 5-year average water use
  - Increase added to base year
- Commercial/Industrial/Institutional and Mining/Dewatering
  - Percent population growth applied to 5-year average water use
  - Increase added to base year

The committee voted unanimously to approve the methods for water demand methodologies presented to be utilized for planning purposes.

- **Agricultural Water Demand Methods for Planning**

- The RWSP would like to use the best information available at the time for the 2020 CFWI RWSP. Currently, District staff and stakeholders are reviewing FDACS Draft FSAID III report, which contains statewide agricultural and irrigation projections through 2040. The Final FDACS FSAID III report will be published on June 26<sup>th</sup> and available online June 30<sup>th</sup>.
- Further investigation is pending by the CFWI RWSP and ECFTX modeling team regarding the use of an AFSIRS model for an agricultural irrigation scenario comparison.

- The approval of the hiring of a technical editor was tabled until the October committee meeting.

6. Chris Sweazy gave the following update on the Data, Monitoring and Investigations Team

- Status Update
  - FY15 Completion
    - 5 wells constructed
    - Approximately \$550K spent

- Wetland site work initiated
- FY16 Work Plan forecast
  - 40 wells including 19 wetland/SA sites
  - Estimated \$2.09 million during FY16
- Issues Impeding Progress
  - Site access concerns
  - WMD staff changes
  - Contractor issues
  - Difficulty in acquiring sampling and discharge permits
  - Access to funding
- Corrective Actions
  - Executive management and FDEP assistance with streamlining access to State lands
  - Appropriate WMD staff now on-line
  - Pursuing cooperative efforts with permittees to upgrade existing wetland/SA monitoring stations
  - Pursuing cooperative funding options to accelerate implementation
- 2016 DMIT Work Plan
  - The CFWI Guidance Document requires the DMIT to update the work plan annually.
  - The 2016 report update discusses all the points previously discussed and refocuses the short term effort to establish wetland monitoring sites prior to the end of 2017.
  - Very few changes in sites
  - Cost reductions of \$1 million due in part of redesigns, materials costs, etc.
- 2016 DMIT Work Plan Update

Fiscal Year	Wetland Sites/SA	SA/IA Wells	UFA/APPZ Wells	LFA Wells	Annual Total
2015	0	2	2	1	5
2016	19	10	7	2	38
2017	34	18	10	4	66
2018 - 2020	54	77	19	22	172
<b>TOTAL:</b>	<b>107</b>	<b>107</b>	<b>38</b>	<b>30</b>	<b>282</b>

<b>Fiscal Year</b>	<b>Total Implementation Costs</b>
<b>2015</b>	\$0.55
<b>2016</b>	\$2.09
<b>2017</b>	\$9.38
<b>2018 - 2020</b>	\$21.04
<b>TOTAL:</b>	<b>\$33.12</b>

Ryan Matthews noted that the annual peer review seemed like a long process and asked if it was required. Mr. Sweazy explained that it was an ongoing process on a parallel track. The committee asked for another update at the October meeting. After further discussion the committee approved the 2016 Work Plan Update.

7. Open Discussion

None.

8. Public Comments

David Gore, NE Polk County resident, renewed his concern that significant harm will occur based on the current plan. Mr. Gore again argued that all water taken for projects will take water away from the environment and will have an impact on the water table. He suggested that the committee needs to change the way we look at water use as more is “going on” that is taken into consideration.

9. Next SC meeting

October 28, 2016 (at Toho Water Authority)

10. Adjourn