

Executive Summary (*add/copy Conclusions text as part of ES*) – **10 pages**

Chapter 1: Introduction (*CFWI RWSP Team*) – **5 pages**

- 1) Statutory Requirements and Legal Framework
- 2) Goals and Guiding Principles
- 3) CFWI Planning Region
 - a) Regional Setting
 - b) Hydrogeology and Water Resources
 - c) Water Use Regime
 - d) Water Supply Challenges
- 4) Previous Planning Initiatives
 - a) 2015 CFWI Regional Water Supply Plan
 - b) South Florida Water Management District
 - c) St. Johns River Water Management District
 - d) Southwest Florida Water Management District
- 5) Development of the 2020 Regional Water Supply Plan Update
 - a) Organization
 - b) Linkage to Regional and Local Planning
 - c) New Legislative Guidance/Directives
 - d) Water Supply Planning for the Next 20 Years

Chapter 2: Progress Since 2015 CFWI Plan (*formerly Ch. 11*) (*CFWI RWSP Team*) – **8 pages**

- a) Introduction – previous recommendations
- b) AWS Development
- c) Water Conservation
- d) Regulatory Protection and Water Quality Efforts (*formerly part of Ch. 9*)
 - i) Rulemaking Overview
 - ii) Minimum Flows and Minimum Water Levels (MFLs), Reservations
- e) Hydrologic Studies and Modeling
 - i) DMIT
 - ii) ECFTX
- f) Cooperative Funding
- g) Water Storage, Construction, and Restoration Projects

Chapter 3: Population and Water Demands (*Tammy*) – **10 pages**

- 1) Demand Estimates and Projections
 - a) Public Supply
 - b) Domestic Self-supply and Small Utility
 - c) Agriculture
 - d) Commercial/Industrial/Institutional and Mining/Dewatering
 - e) Power Generation
 - f) Landscape/Recreational/Aesthetic
- 2) Stakeholder Review
- 3) Summary

Chapter 4: Water Resource Assessment (WRAT – Brian S.) – 12 pages

- 1) Introduction
- 2) Water Supply and Water Resource Protections and Constraints
 - a) Regulatory Water Supply Requirements (*i.e. MFLs, Water Reservations*)
 - b) Water Resource Protection Considerations (*Non-MFL water bodies, wetlands, water quality/salinity*)
- 3) Overview of Analytical and Modeling Tools
- 4) Base/Reference Condition (*DMIT - Dwight*)
 - a) MFLs
 - b) Non-MFL Water bodies
 - c) Wetlands
 - d) Water Quality/Salinity
 - e) Ongoing/Future Monitoring (*data gaps*)
- 5) Water Resource Analysis Methods and Results (*HAT – Pete K.*)
 - a) ECFTX Model Summary (Improvements)
 - b) ECFTX Groundwater Modeling Scenarios/Simulations
 - i) Base/Reference Condition
 - c) Results of Groundwater Modeling
 - i) MFLs
 - ii) Non-MFL Water bodies
 - iii) Wetlands
 - iv) Water Quality/Salinity
 - d) Estimation of Groundwater Availability
- 6) Water Resource Assessment Findings
 - a) Climate Change and Other Factors
 - b) Water Supply Sufficiency and Water Supply Needs

Chapter 5: Water Conservation (Kristine Morris) – 10 pages

- 1) Introduction
 - a) Background on CFWI Conservation
 - b) 2015 CFWI RWSP Conservation Goal by Water Use Sector
 - i) PS Conservation
 - ii) OSS
 - iii) Agriculture
 - iv) CFWI Regional Conservation Goal (*More than 37 mgd of conservation*)
- 2) Implementation Strategy Summary
 - a) Implementation Strategy overview
 - b) Status Assessment by User Group
 - i) Conservation Efforts since 2015 CFWI RWSP
 - ii) Trend Analysis
 - c) New BMPs
 - d) Regulatory Measures
 - e) Implementation Strategy Approach
- 3) Conservation Potential through 2040
 - a) Methodology Overview

- b) Passive Savings
- c) Conservation Potential by Use Type
 - i) PS Conservation
 - ii) OSS
 - iii) Agriculture
- 4) Next Steps

Chapter 6: Water Source Options (*RWSP Team – define sources*) – **10 pages**

- 1) Introduction
- 2) Groundwater
 - a) Surficial Aquifer System
 - b) Intermediate Aquifer System
 - c) Floridan Aquifer System
 - i) Brackish/Nontraditional Groundwater
- 3) Surface Water
 - a) Alafia River System
 - b) Peace River System
 - c) Withlacoochee River System
 - d) Kissimmee River and Chain of Lakes
 - e) St. Johns River System
 - f) Ocklawaha River
- 4) Stormwater
- 5) Seawater
- 6) Reclaimed Water
 - a) Reclaimed Water Availability
 - b) Potential for Reclaimed Water Development
 - c) Potable Reuse
- 7) Storage Capacity – ASR and Reservoirs (*standalone or incorporate into #2-5e – TBD during chapter development*)
 - a) ASR
 - b) Reservoirs

Chapter 7: Water Supply and Water Resource Development Options (*Tommy Kiger*)(*project quantities and identification*) – **10 pages**

- 1) Introduction
- 2) Water Supply Project Options and Initiatives
 - a) Groundwater Supply Development
 - i) SAS and IAS
 - ii) FAS
 - b) Brackish/Nontraditional Groundwater
 - i) Polk County Cooperative
 - c) Surface Water
 - d) Stormwater
 - e) Seawater
 - f) Reclaimed Water
 - i) Recharge

- ii) Indirect Potable Reuse
- g) Summary of Water Supply Development
- h) Water Supply Development Considerations
 - i) Cost Effectiveness/Funding
 - ii) Regulatory/Permitting
 - iii) Local Sources/WQ treatment
 - iv) Seasonality and Storage
- 3) Water Resource Development
 - a) Hydrologic Data Collection and Analysis (*Future*)
 - i) Groundwater Modeling
 - ii) Lower Floridan Aquifer Investigations
 - iii) Groundwater, Surface Water, and Wetlands Monitoring
 - b) MFL / Reservation Establishment and Management Activities
 - c) MFL Recovery/Prevention Strategy Projects
 - d) Surface Water Storage / Treatment Research Projects
 - e) Aquifer Recharge Projects
 - f) Areas for Future Investigation
 - g) Potential Regional Benefits

Chapter 8: Funding Needs and Options (RWSP Team) – 6 pages

- 1) Introduction
- 2) Estimation of Funding Needs (*use CE Tool / Table 17 from Vol. II as reference*)
- 3) Water Utility Revenue Funding Sources
- 4) Water Management District Funding Options (*Anticipated Future*)
 - a) SFWMD
 - b) SJRWMD
 - c) SWFWMD
- 5) State Funding Options
 - a) State of Florida Water Protection and Sustainability Program
 - b) Drinking Water State Revolving Fund Program
 - c) Florida Forever Program
 - d) SWFWMD West-Central Florida Water Restoration Action Plan
- 6) Federal Funding Options
 - a) Environmental Quality Incentive Program
 - b) Agriculture Water Enhancement Program
 - c) State and Tribal Assistance Grants
- 7) Public-Private Partnerships, Cooperatives, and Other Private Investment

Chapter 9: Conclusions and Future Direction (RWSP Team) – 10 pages

- 1) Introduction
- 2) Conclusion
 - a) Water Supply Needs
 - b) Groundwater Availability
 - c) Uncertainty (*include transfer of water across District or County boundaries in this section*)
- 3) Water Conservation

2020 CFWI Regional Water Supply Plan Outline
DRAFT- 07/03/18

- 4) Alternative Water Supplies
 - a) Brackish/Nontraditional Groundwater
 - b) Reclaimed Water
 - c) Surface Water
 - d) Stormwater
 - e) Seawater
 - f) New Storage Capacity
- 5) MFLs
- 6) Non-MFL Water Bodies
- 7) Project Options
 - a) Water Supply Development Projects
 - b) Water Resource Development Projects
- 8) Consumptive Use Permitting
- 9) Intergovernmental, Water Supplier, and Public Coordination
- 10) Demand Estimates and Projections
- 11) Climate Change