

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

**Chapter 1: Introduction (CFWI RWSP Team)**

- 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)**

- 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)**

- 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.**

- 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** (*Liz Raab*)

- 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)**

- 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 WSO options subteam (needs to be formed) - (project quantities and identification)**

- 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 Challenges and Opportunities- **(change to positive Title)**
    - 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)**

- 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)**

- 1) Introduction
- 2) Conclusion
  - a) Water Supply Needs
  - b) Groundwater Availability
  - c) Uncertainty
    - i) Transfer of water across District or County boundaries in this section (during drafting, is there a better location in the document for this)
- 3) Water Conservation
- 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

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