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

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

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