

***Central Florida
Water Initiative
Water for Tomorrow***



Steering Committee

January 17, 2019

**Regional Water Supply Plan
Team**

Current Efforts

- Population and Water Demand Projections
- Spatial Demand Distribution
- Reclaimed Water Projections
- Alternative Water Supply Projects
- 2020 RWSP Development



2020 RWSP

Population Estimates and Projections (2015-2040)

Category	2015	2040	Change	% Change
Public Supply	2,748,018	4,156,038	1,408,020	51%
Domestic Self-Supply and Small Utilities	185,897	217,271	31,374	17%
Total	2,933,915	4,373,309	1,439,394	49%



2020 RWSP

Draft Demand Estimates and Projections (2015-2040)

Category	2015	2040	Change	% Change
Public Supply	385.97	592.28	206.31	53%
Domestic Self-Supply and Small Utilities	21.56	24.59	3.03	14%
Agricultural	159.38	163.49	4.11	3%
Landscape / Recreational / Aesthetic	39.63	49.27	9.64	24%
Commercial / Industrial / Institutional and Mining / Dewatering	53.50	69.00	15.50	29%
Power Generation	8.47	11.27	2.80	33%
Total	668.51	909.90	241.39	36%

Values are shown in million gallons per day

Comparison of 2015 RWSP and 2020 Draft RWSP Demands

Category	2015 RWSP 2035	2020 RWSP 2040	Difference	% Change
Public Supply	654.34	592.28	-62.06	-9%
Domestic Self-Supply and Small Utilities	24.42	24.59	0.17	1%
Agricultural	214.84	163.49	-51.35	-24%
Landscape / Recreational / Aesthetic	72.18	49.27	-22.91	-32%
Commercial / Industrial / Institutional and Mining / Dewatering	95.85	69.00	-26.85	-28%
Power Generation	22.41	11.27	-11.14	-50%
Total	1,084.04	909.90	-174.14	-16%

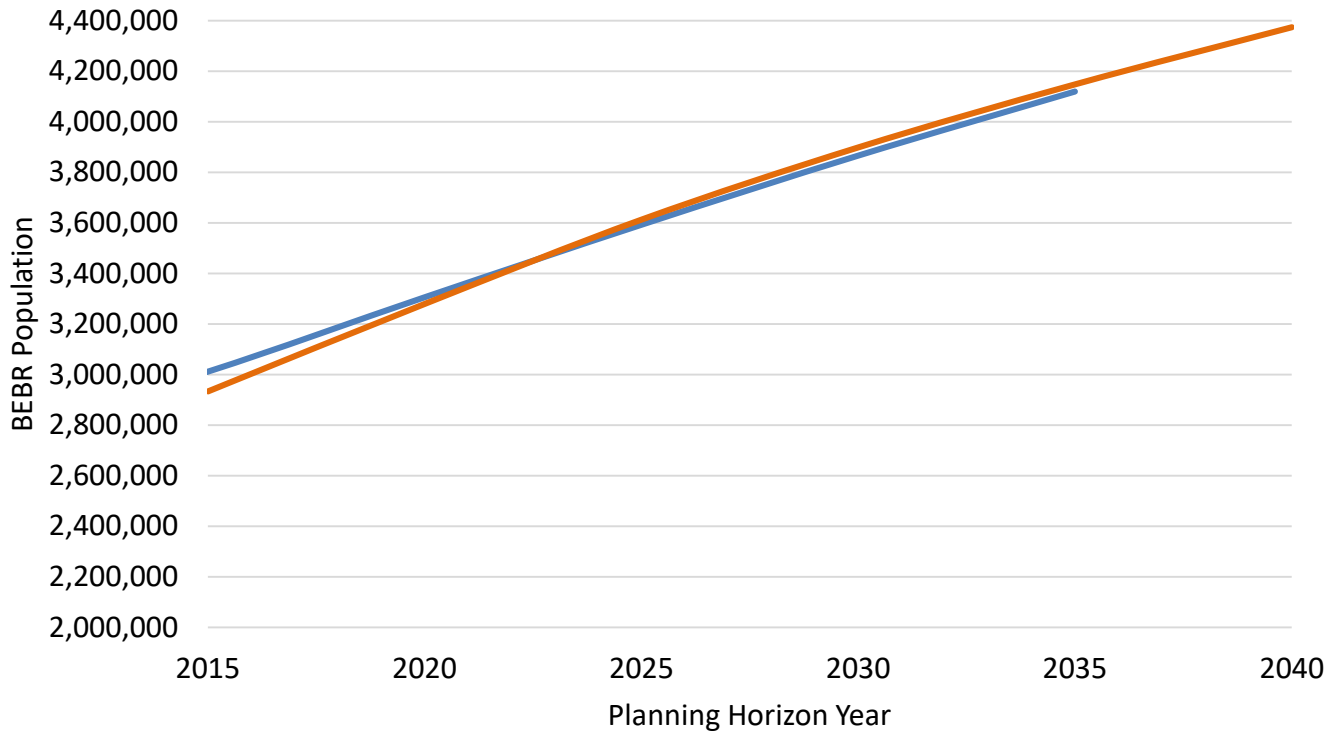
Values are shown in million gallons per day

Comparison of 2015 RWSP and 2020 RWSP Methods

Plan	Methods			
	Base Year	Public Supply Population Method	Per Capita	Agricultural Method
2015 RWSP	2010-2035	District Methodologies	2006-2010 Average	District Methodologies
2020 RWSP	2015-2040	BEBR Parcels	2011-2015 Average	FSAID

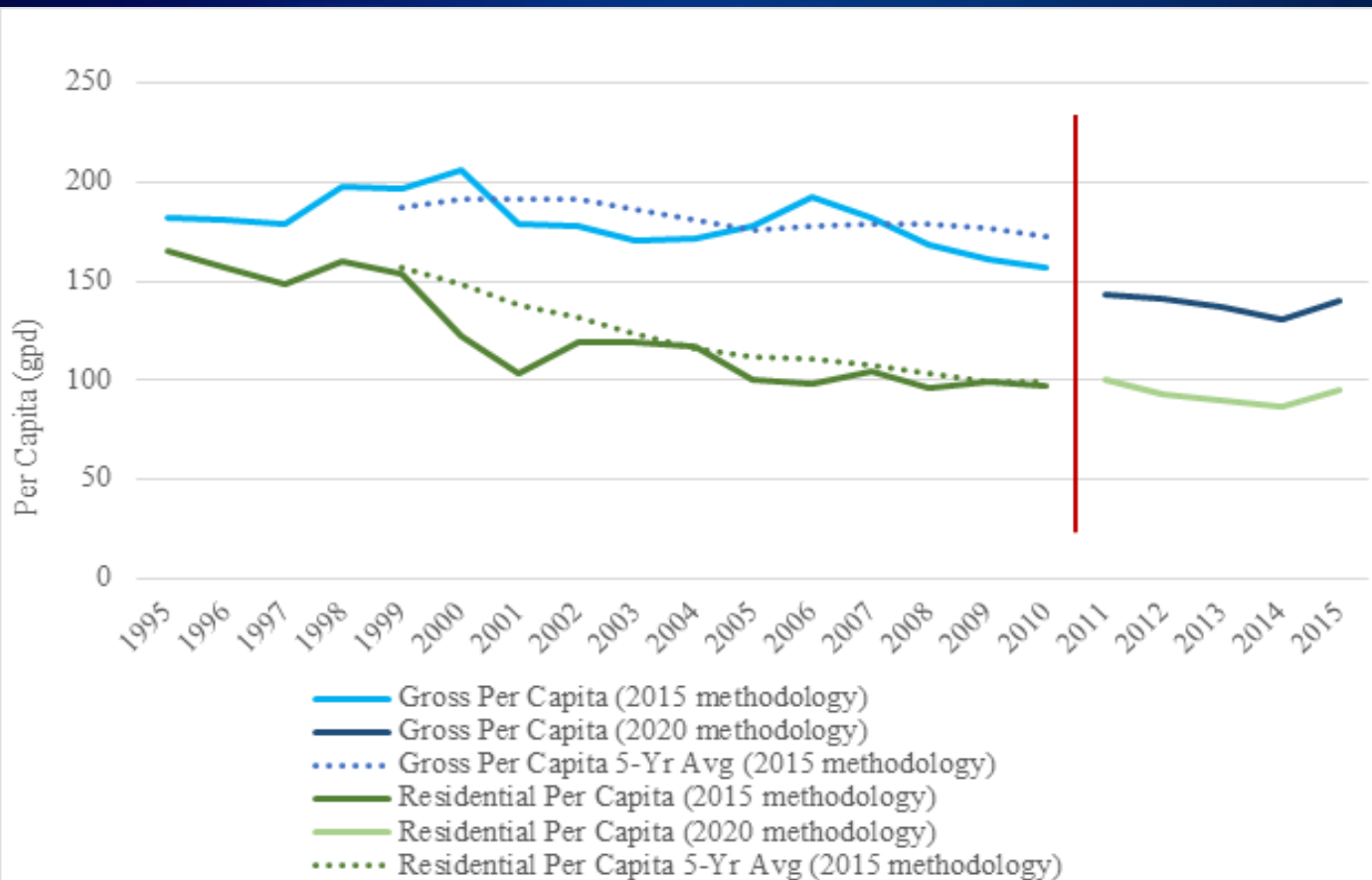


Comparison of 2015 RWSP and 2020 Draft RWSP Population Projections

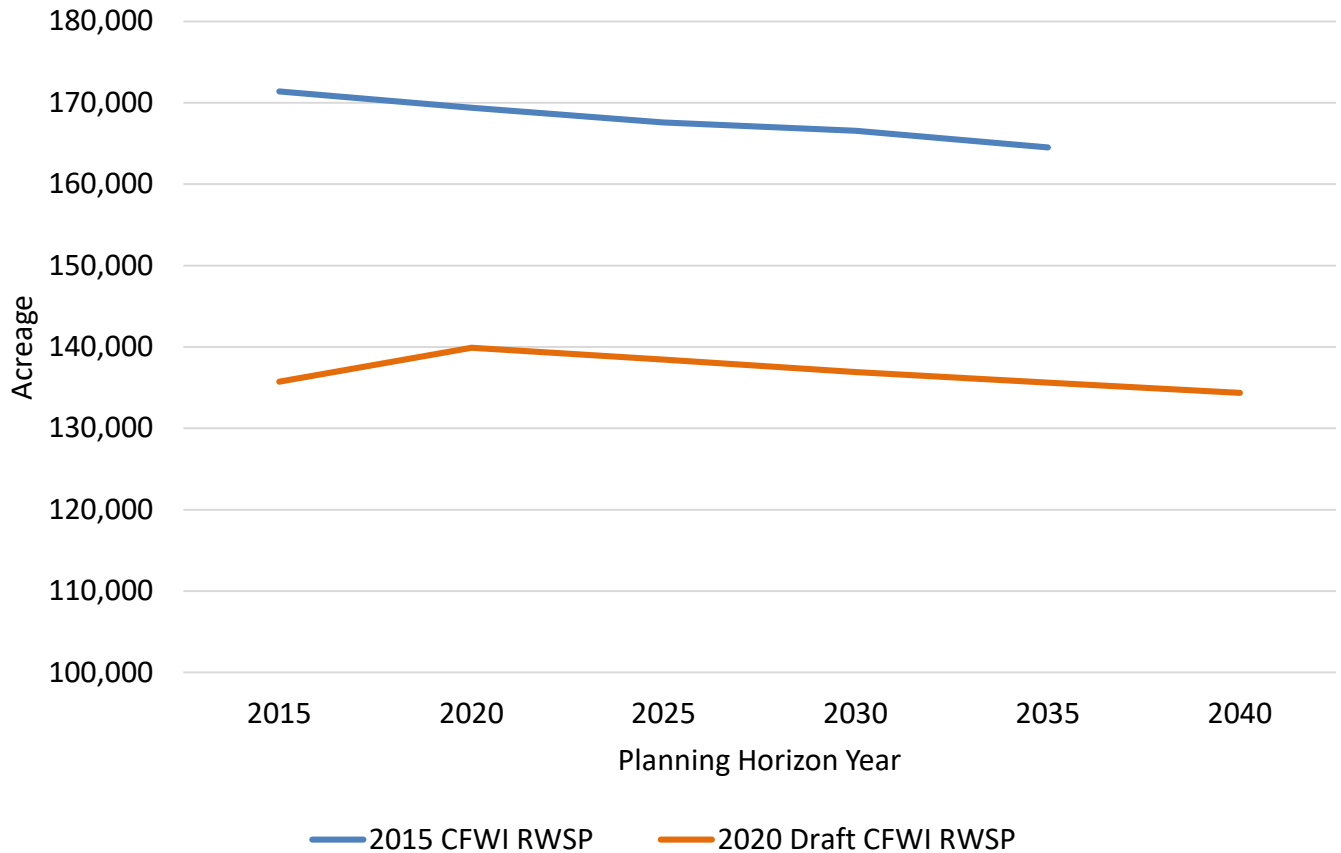


— 2015 CFWI RWSP — 2020 Draft CFWI RWSP

Historic Per Capita Trends in the Region



Comparison of 2015 RWSP and Draft 2020 RWSP Agricultural Acreages



Spatial Demand Distribution

- Need for GW Modeling
 - Coordination with WRAT
 - Entire ECFTX Model
- Tabular to Spatial / Well Level
 - Stakeholder Review
- Five-Year Increments
- Monthly Variation



Reclaimed Water Projections

City / County	2015	2040	Change	% Change
City of Cocoa	1.97	4.87	2.90	147%
Southern Lake	5.10	9.51	4.42	87%
Orange	103.26	174.69	71.43	69%
Osceola	26.49	49.79	23.30	88%
Seminole	36.62	47.10	10.48	29%
Polk	50.85	58.79	7.94	16%
Total	224.29	344.75	120.46	54%

Alternative Water Supply Projects

- Update existing projects
 - Status and Cost
- New Project Solicitation
 - April 1, 2019 Deadline



RWSP Development

- Drafting Chapters and Appendices
- Streamlined RWSP
- Coordination Among Teams



Schedule

Task	Dates
All Scenarios / Model Runs Completed	1/31/2019
Technical Methods Workshop	February / March 2019
All Analyses Completed	4/30/2019
1st Internal RWSP Draft Release	8/15/2019
2nd Internal RWSP Draft Release	12/10/2019
SC Meeting to Notify Posting of External Draft of RWSP in March	January 2020
Present External Draft to Governing Boards	February 2020 / March 2020
Public Comment Period	3/13/2020-5/15/2020
Public Workshops	April 2020
Review Comments, Answer and Update Draft RWSP	5/15/2020-8/25/2020
MOC Review of RWSP Updates and Changes Made	8/26/2020 - 9/16/2020
SC Approval	October 2020
Final Draft (with Comments / Responses Appendix) - Posted to Website After SC Approval	October 2020
Final Draft (with Comments / Responses Appendix) - Governing Board Approvals	November 2020

Next Steps

- Finalize Project Options
- Outreach to Stakeholders
 - Technical Methods Workshop
 - Potential Webinar
- Communication Plan
- Continue Drafting 2020 RWSP

