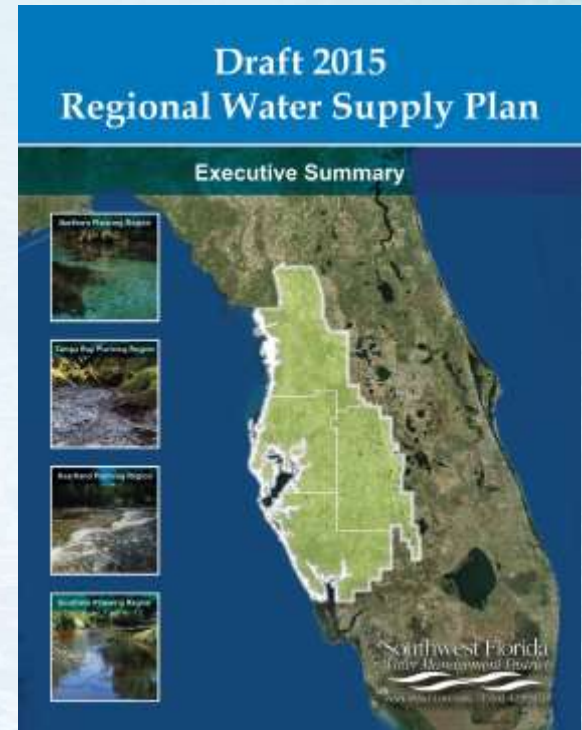


Draft 2015 Regional Water Supply Plan

**Public Information Workshop
Sarasota Service Office
July 21, 2015**



**To hear the presentation, please call toll-free at
1-888-670-3525, and enter the participant code 9502752119#**

Workshop will start at 3:30 p.m., please stand by...

Draft 2015 Regional Water Supply Plan

Public Information Workshop Agenda

2:30 p.m. – Welcome and Visit Info Tables

**3:30 p.m. – Overview of Workshop
Draft RWSP Presentation
Open Discussion
Closing Remarks**

***To hear the presentation, please call toll-free at
1-888-670-3525, and enter the participant code 9502752119#***

Workshop presentation will start at 3:30 p.m., please stand by...

Workshop Overview

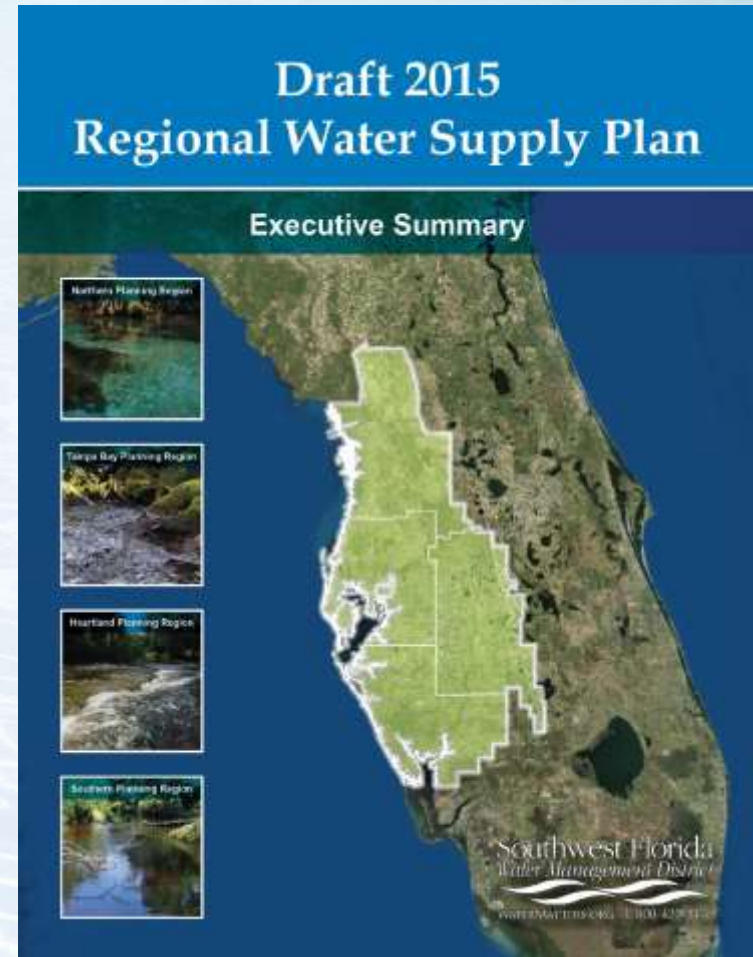
- Online and live workshop
- Recorded for webpage
- RWSP presentation
- Questions/comments from live audience
- Questions/comments from online chat
- Public comments cards and online comment form



Draft 2015 Regional Water Supply Plan

Public Information Workshop
Sarasota Service Office
July 21, 2015

George Schlutermann, P.G.
Senior Hydrogeologist
Water Supply Section
Southwest Florida
Water Management District

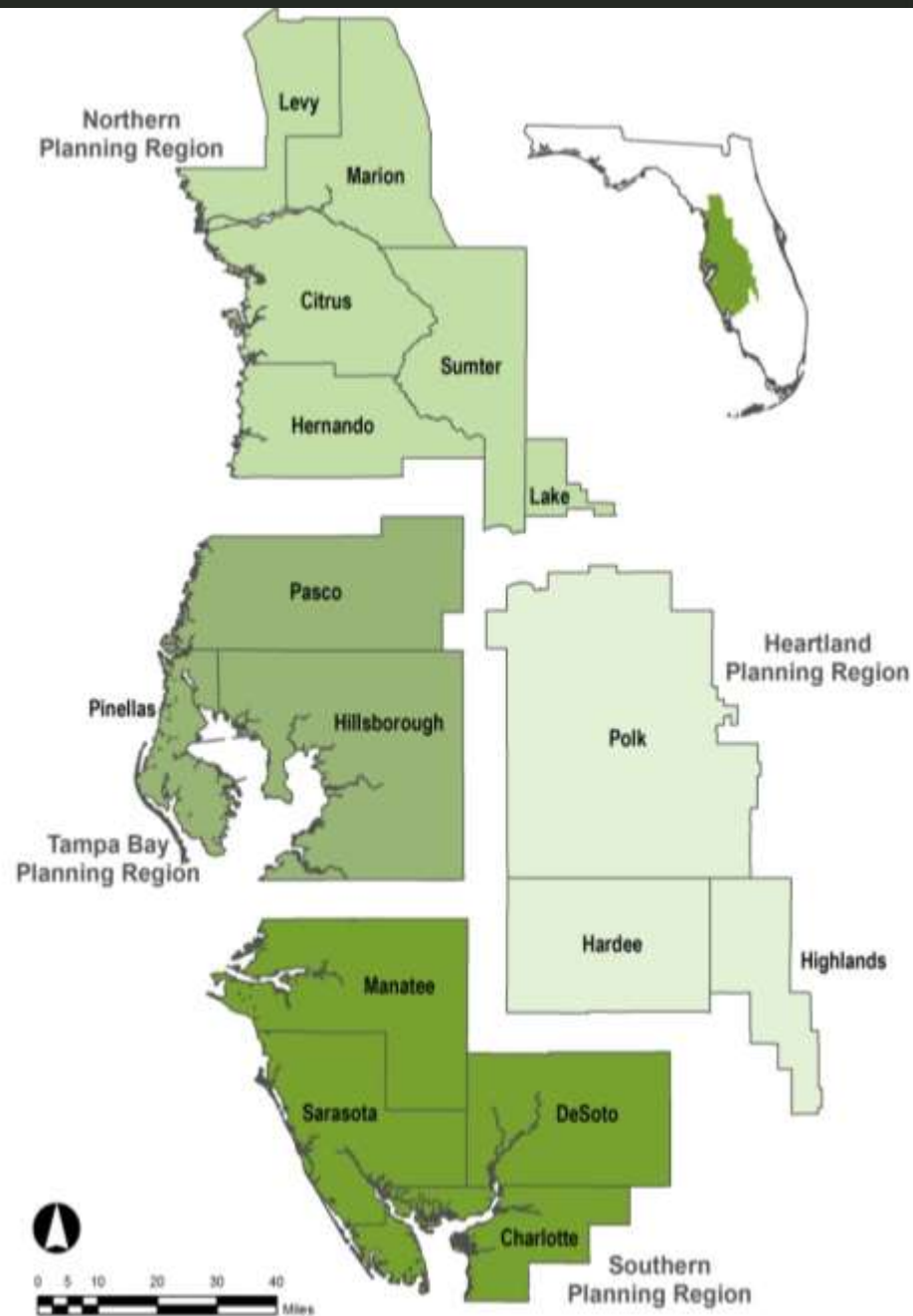


Today's Presentation

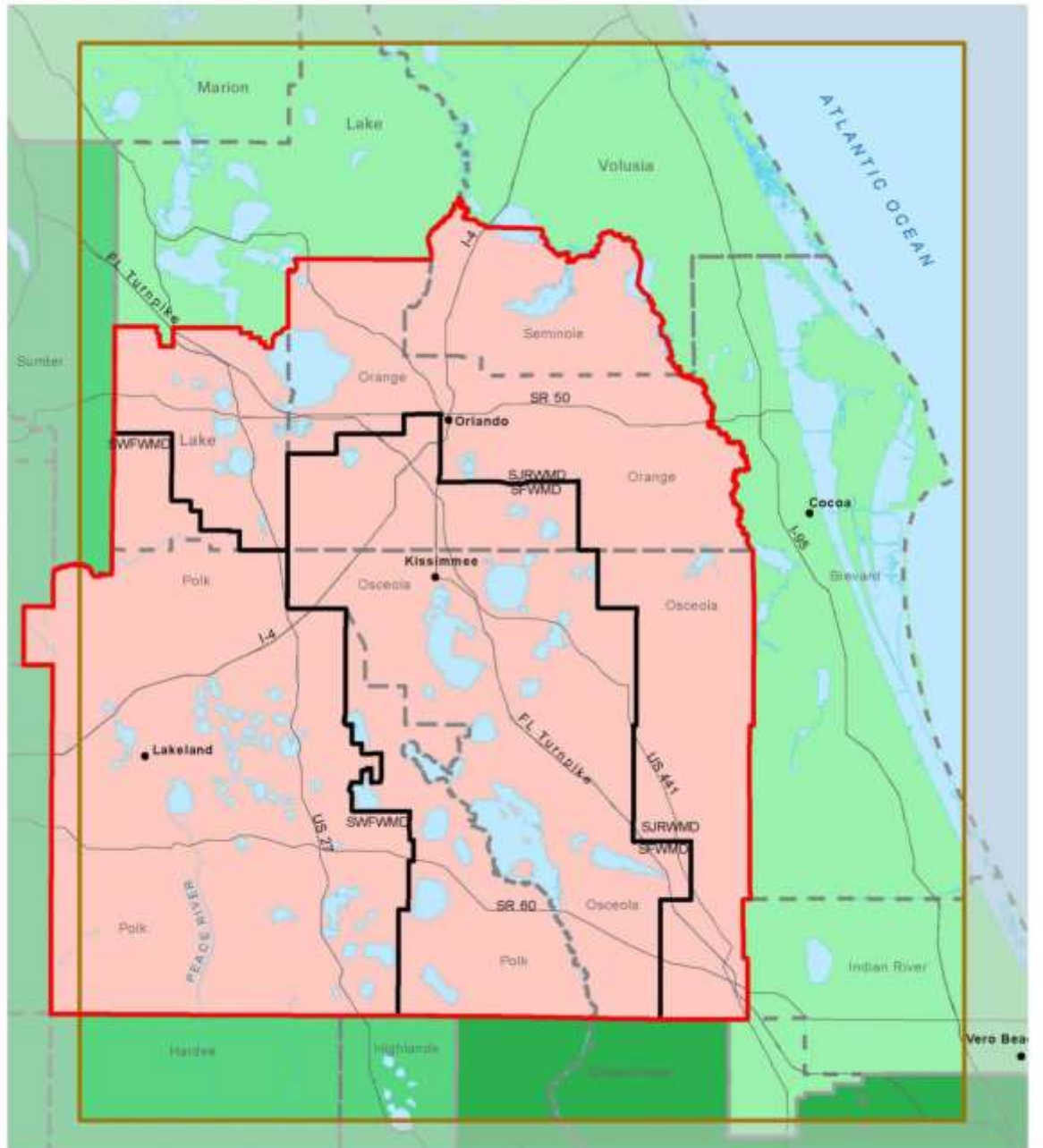
- What is a RWSP?
- Guiding Principles
- Schedule & Public Involvement Process
- RWSP Details
- Community Planning Sheets
- How to Submit Your Comments!

What is a RWSP?

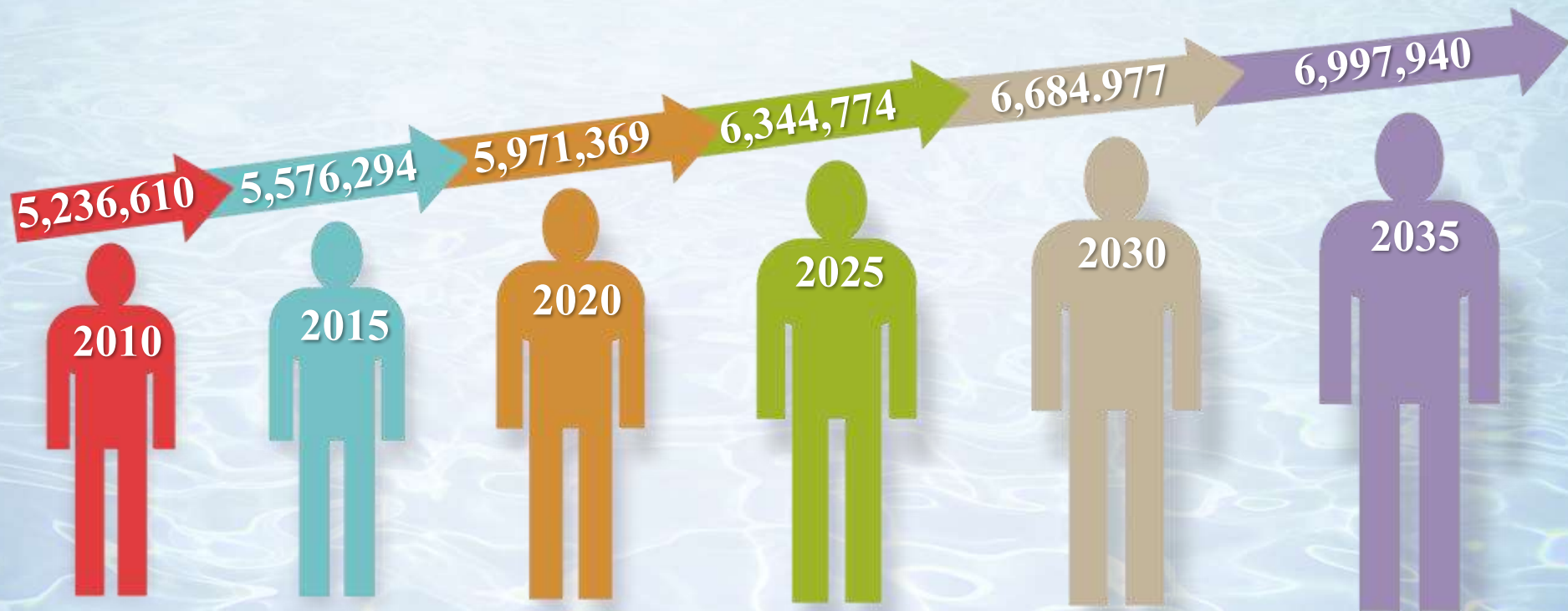
- Statutorily Mandated
- Update Every 5 Years
- Water Resource Evaluation
- Demands from All Categories
- How to Meet the Demands
 - Potential Sources
 - Project Options
- Funding Mechanisms
- Stakeholder Input



Central Florida Water Initiative (CFWI)






District Population Growth



Key Guiding Principles

- Emphasis on Water Conservation
- Emphasis on Reclaimed Water
- Regional Cooperation on Water Supply Planning
- Focus on Alternative Sources

RWSP Schedule

| Activities | Time Frame |
|--|------------------------|
| Preparation of draft 2015 RWSP  | Jan. 2014 – Feb. 2015 |
| Internal/external review of water demand projections  | Sept. 2014 – Mar. 2015 |
| Request Governing Board to approve draft RWSP  | April 2015 |
| Open public comment and hold public workshops | May 13 – July 31, 2015 |
| Address public comments | May – August 2015 |
| Request Governing Board to approve final RWSP | Oct./Nov. 2015 |

Public Involvement Process

Stakeholders

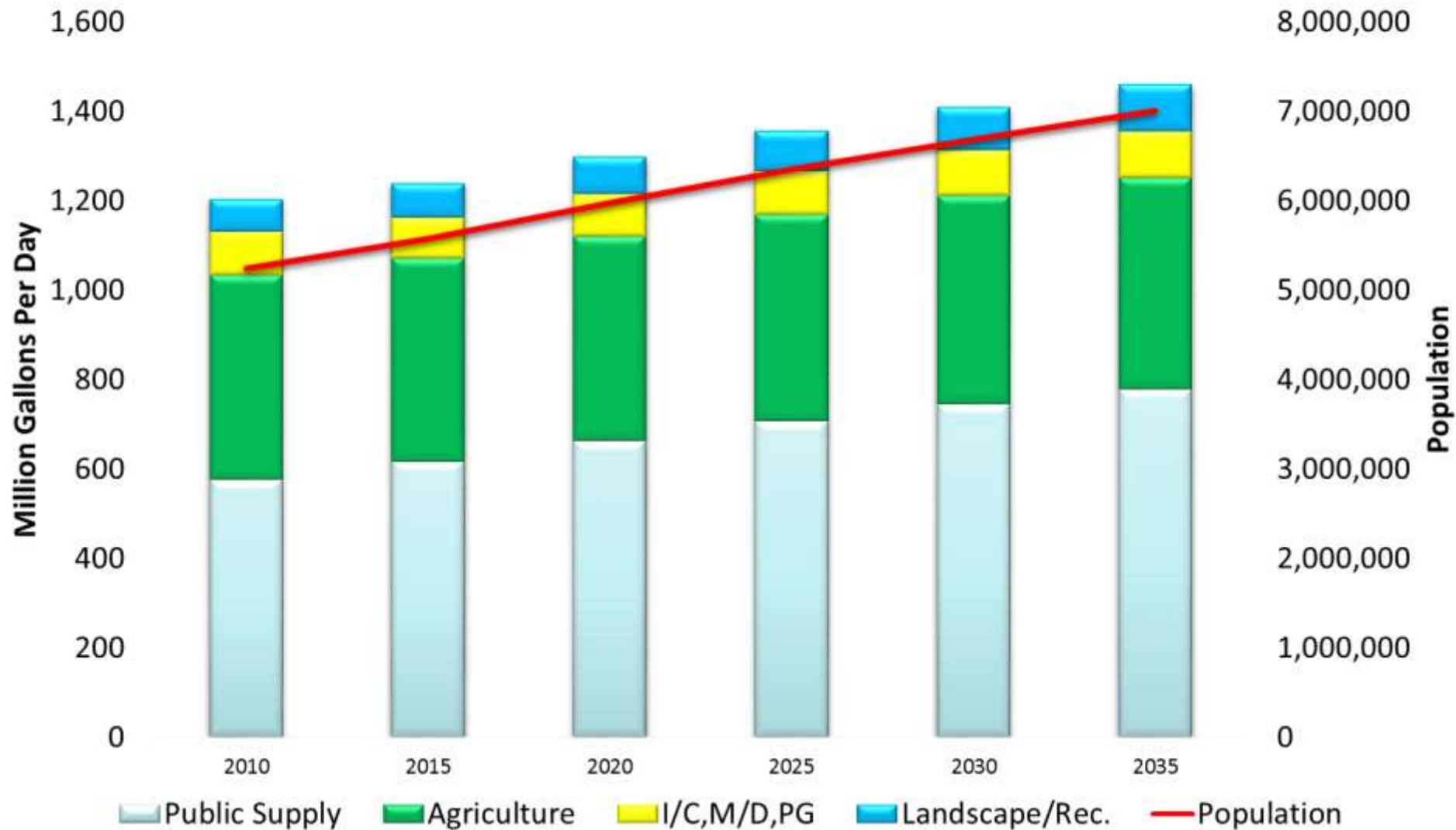
- Advisory Committees
- Agriculture
- Environmental Groups
- FDACS
- Mining/Power
- Water Utilities
- Landscape/Recreation Business
- Public
- University of Florida/Institute of Food and Agricultural Sciences Extension Service Offices
- Water Management Districts
- Water Supply Authorities

Communication Methods

- Presentations
- Workshops with webcasts
- Social media and traditional media
- Webpage *WaterMatters.org/RWSP*



District Projected Total Water Use and Population



| Table 1. Summary of the projected demand by water use sector (5-in-10) (mgd) | | | | | | | | |
|--|---------------------|-------|-------|-------|-------|-------|--------------|-----|
| Water Use Category | Water Demands (mgd) | | | | | | Total Change | |
| | 2010 Base | 2015 | 2020 | 2025 | 2030 | 2035 | mgd | % |
| Public Supply | 577 | 617 | 663 | 706 | 744 | 779 | 202 | 35% |
| Agriculture | 456 | 454 | 457 | 463 | 467 | 471 | 15 | 4% |
| I/C, M/D, PG | 98 | 92 | 95 | 98 | 101 | 105 | 7 | 7% |
| Landscape/Rec | 71 | 75 | 82 | 89 | 96 | 104 | 33 | 46% |
| Env. Restoration | - | - | 8 | 25 | 25 | 25 | 25 | N/A |
| Total | 1,202 | 1,234 | 1,305 | 1,381 | 1,433 | 1,484 | 282 | 23% |

Meeting Future Demands

Identified Supplies to Meet Demands

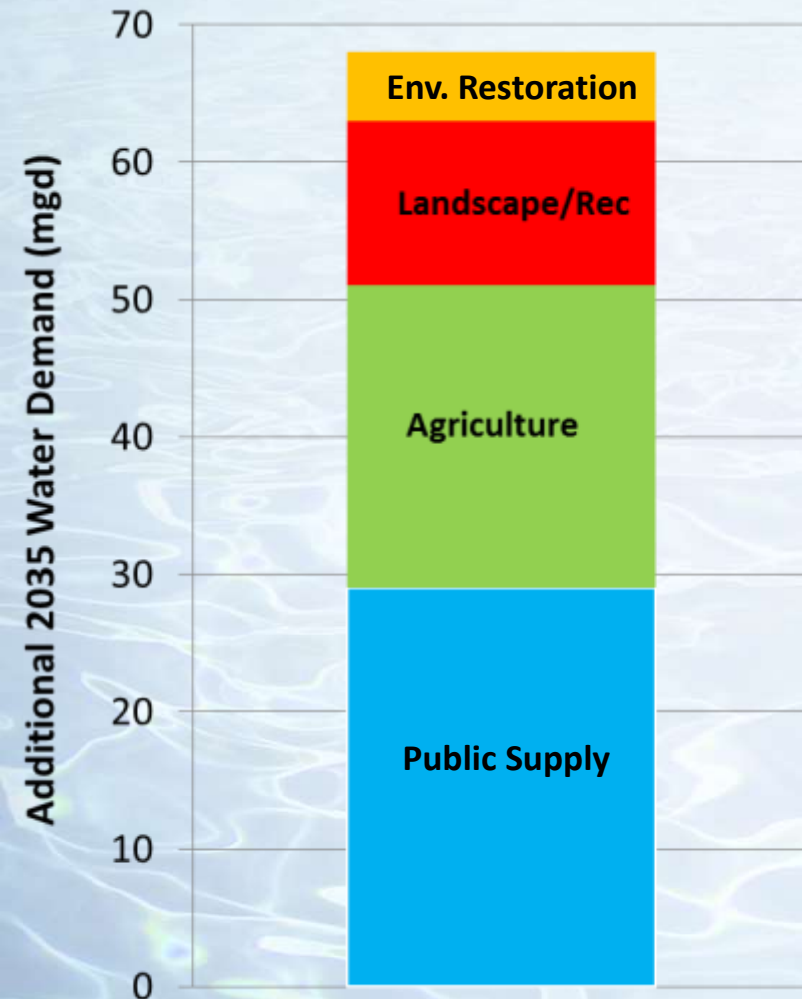
- Conservation
- Reclaimed Water
- Development of Other Water Supplies
 - Groundwater (traditional/brackish)
 - Surface water
 - Seawater
 - Increase storage (reservoirs and ASR)
- Regional Cooperation

Southern Planning Region

Projected Water Demand and Water Availability

Approx. Total 68

Approx. Total 302



Water Availability provided by:

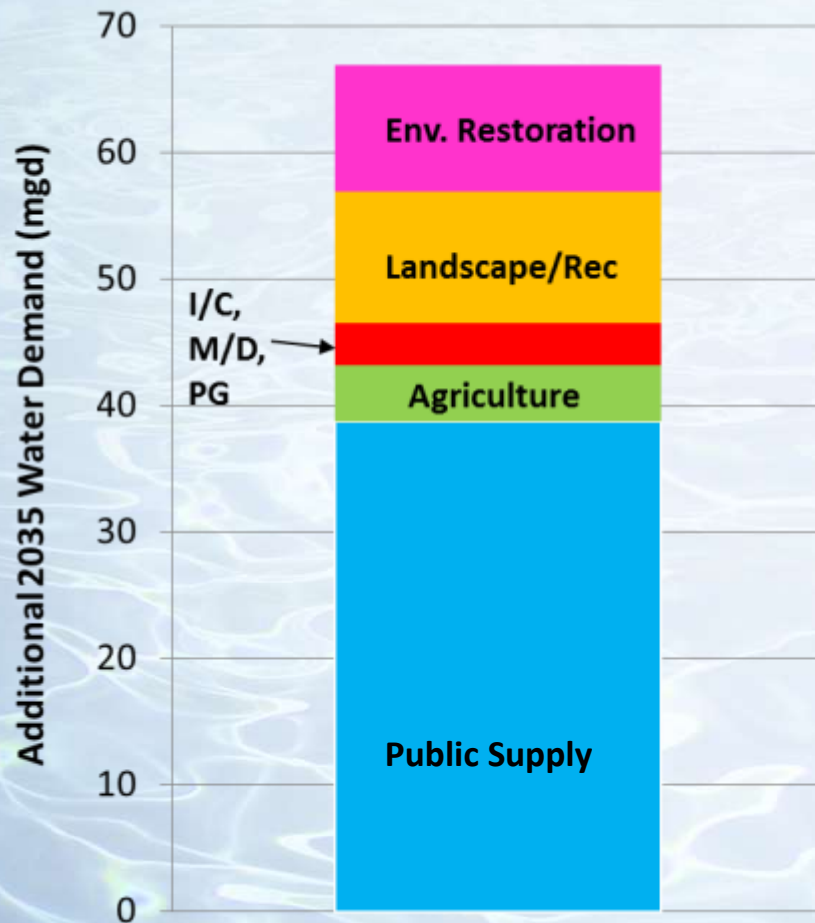
- Desalination
- Groundwater
- Reclaimed water
- Surface water
- Water conservation

Heartland Planning Region

Projected Water Demand and Water Availability

Approx. Total 66

Approx. Total 107



Water Availability provided by:

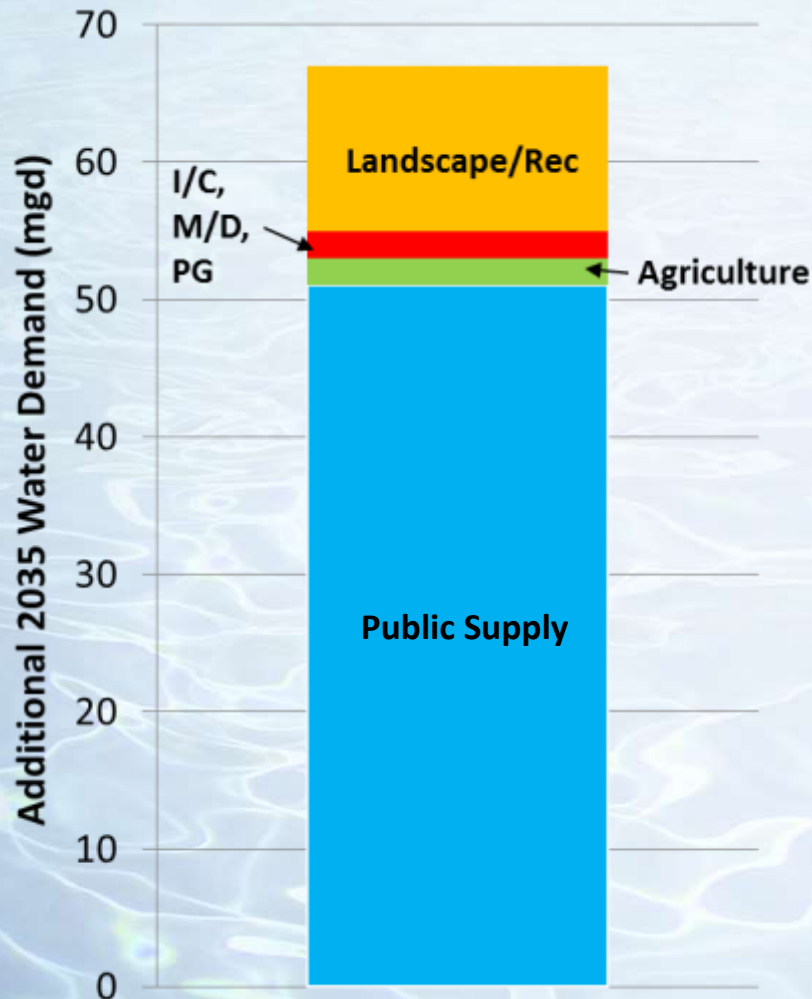
- Groundwater
- Reclaimed water
- Surface water
- Water conservation

Northern Planning Region

Projected Water Demand and Water Availability

Approx. Total 67

Approx. Total 162



Water Availability provided by:

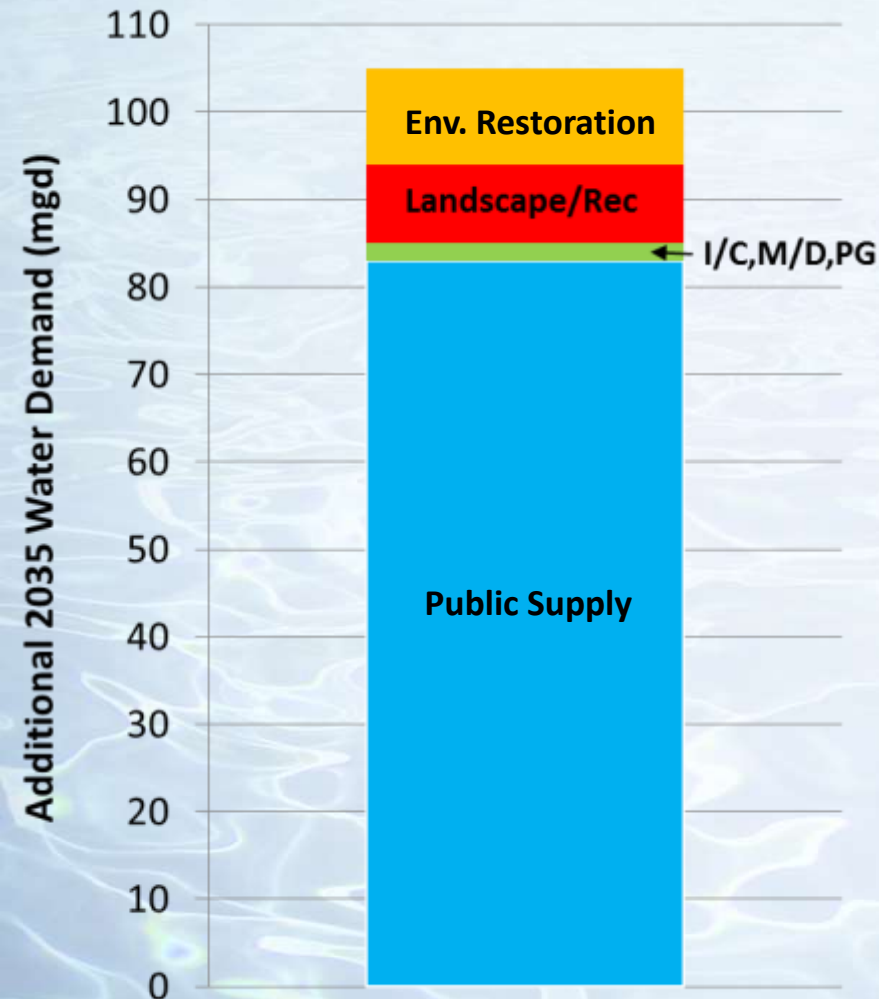
- Desalination
- Groundwater
- Reclaimed water
- Surface water
- Water conservation

Tampa Bay Planning Region

Projected Water Demand and Water Availability

Approx. Total 105

Approx. Total 268



Water Availability provided by:

- Desalination
- Groundwater
- Reclaimed water
- Surface water
- Water conservation

Note: Estimated Agricultural Reduction of 12 mgd

Differences Since 2010 Plan

- Central Florida Water Initiative
 - Polk and Lake Counties
- Overall comparison shows population estimates reduced and demand projections decreased
 - 2010 Planning Period
 - Total 7,054,429 pop. by 2030, 46% Increase
 - Total Demand 1,620 mgd by 2030, 36% Increase (431 mgd)
 - 2015 Planning Period
 - Total 6,997,940 pop. by 2035, 33% Increase
 - Total Demand 1,484 mgd by 2035, 23% Increase (282 mgd)

Local Government Requirements

After the District's approval of the 2015 Regional Water Supply Plan:

- Per 163.3177(6)(c)3, F.S., Local Governments must amend their comprehensive plan to include a 10-year Water Supply facilities work plan within 18 months of RWSP update and submit to Dept. of Economic Opportunity, the WMDs and other state agencies
- Work Plan must demonstrate:
 - Sufficient water supply for at least next 10 years
 - Sufficient projects to address projected demand

- Providing data
- Facilitating public workshops

* See RWSF Appendix X for complete listing of water supply project options

Regional Water Supply Plan

[RWSP Home](#) | [Northern Region](#) | [Tampa Bay Region](#) | [Heartland Region](#) | [Southern Region](#)

The District's Regional Water Supply Plan assesses the projected water demands and potential sources of water to meet demands over a 20-year period. The Plan is updated every five years, in accordance with Section 373.709, Florida Statutes.

Why We Do It

The 2015 Regional Water Supply Plan (RWSP) is an assessment of projected water demands and potential sources of water to meet these demands in the Southwest Florida Water Management District (District) for the period from 2015 through 2035. The RWSP consists of an executive summary and four geographically-based volumes that correspond to the District's four designated water supply planning regions (Northern, Tampa Bay, Heartland and Southern).

A Framework for the Future

The RWSP provides a framework for future water management decisions in the District and demonstrates how water demands can be met through a combination of alternative water sources, fresh groundwater and water conservation measures.

The District's first RWSP was published in 2001 and is updated every five years. The District updates the RWSP with significant public comment to ensure all stakeholders with the opportunity for input.

For the 2015 RWSP, the District will hold public workshops, with live webcasting, to provide status updates, answer questions and solicit public comment. The District has also developed this webpage to provide public drafts of the documents, advertise public workshops, and solicit comments from all interested stakeholders including the public. This process will help shape the final draft of the RWSP.

Tentative RWSP Schedule

| Month | Activities |
|----------------------------|--|
| January – December 2014 | Preparation of draft 2015 RWSP |
| September 2014 – Mar. 2015 | Initial internal and external review of water demand projections |
| April 2015 | Governing Board presentation and request to release the draft RWSP to the public |
| May 13 – July 31, 2015 | Public comment period on draft RWSP |
| May – July 2015 | Four public workshops |
| October/November 2015 | Present to the Governing Board a request to approve the 2015 RWSP |



[2015 Regional Water Supply Plans »](#)

[2015 RWSP Workshops & Presentations »](#)

[Previous Regional Water Supply Plans](#)

- 2010 Regional Water Supply Plan
- 2006 Regional Water Supply Plan
- 2006 Public Comments and District Responses
- 2001 Regional Water Supply Plan

Contact Info

For additional information, questions and to submit comments, please contact **George Schlutermann, P.G.**, senior hydrogeologist, at 1-800-423-1476 (FL only), ext. 4212.

If you would like to receive email updates about the Regional Water Supply Plan, sign up here:

[Email Updates](#)

WaterMatters.org/RWSP

Regional Water Supply Plan

[RWSP Home](#) | [Northern Region](#) | [Tampa Bay Region](#) | [Heartland Region](#) | [Southern Region](#)

2015 Regional Water Supply Plan



The draft 2015 Regional Water Supply Plan (RWSP) is available for public review and comment. The RWSP consists of an executive summary and four geographically based volumes that correspond to the District's four designated water supply planning regions (Northern, Tampa Bay, Heartland and Southern).

The District is accepting public comment on the draft RWSP through the [online comment form](#), emails to the [project manager](#), and through the mail. The last day to submit public comments is July 31, 2015. Comments and questions will be addressed and tracked in a 2015 Public Comments and District Responses document that will be posted on this webpage.

Draft 2015 Regional Water Supply Plan

- [Executive Summary](#)
- [Northern Region](#)
- [Tampa Bay Region](#)
- [Heartland Region](#)
- [Southern Region](#)
- [Appendix 2-1 - Priority List and Schedule for MFLs](#)
- [Appendix 2-2 - MFL Methodologies](#)
- [Appendix 3-1 - Demand Projections for Agriculture](#)
- [Appendix 3-2 - Demand Projections for Industrial/Commercial, Mining/Dewatering, Power Generation](#)
- [Appendix 3-3 - Demand Projections for Public Supply](#)
- [Appendix 3-4 - Demand Projections for Landscape/Recreation](#)
- [Appendix 4-1 - Reclaimed Water – Existing and Future by County](#)
- [Appendix 4-2 - Criteria for Determining Potential Availability for Rivers](#)

Public Comment

The District would like your opinion about the draft 2015 RWSP. Please submit your comments by clicking on the link below.

[Submit Comments](#)

[2015 Regional Water Supply Plans »](#)

[2015 RWSP Workshops & Presentations »](#)

Previous Regional Water Supply Plans

- [2010 Regional Water Supply Plan](#)
- [2006 Regional Water Supply Plan](#)
- [2006 Public Comments and District Responses](#)
- [2001 Regional Water Supply Plan](#)

Contact Info

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If you would like to receive email updates about the Regional Water Supply Plan, sign up here:

[Email Updates »](#)

How to Submit Your Public Comment

Please submit comments by July 31, 2015 using one of the following methods:

- Complete a Public Comment Card and leave in the Comment Box
- Use the online comment form available at *WaterMatters.org/RWSP*
- Email comments to George.Schlutermann@watermatters.org
- Mail comments to: George Schlutermann, P.G.

SWFWMD

2379 Broad St.

Brooksville, FL 34604

Upcoming Public Involvement

- Public comment period

- Started May 13, 2015
- Ends July 31, 2015

- Public workshops

- Brooksville: May 28 with live webcast – All sectors


Power Loss ⚡

- Tampa: June 18 with live webcast – AG sector

- Tampa: June 30 with live webcast – All sectors

- Sarasota: July 21 with live webcast – All sectors

- Inverness: July 23 – All sectors

- Webcasts to be recorded for webpage

- Additional presentations/meetings, as needed

NOW TO OUR MODERATOR, AND THEN QUESTIONS AND COMMENTS



PUBLIC COMMENTS AND QUESTIONS

- Questions/comments from live audience
- Questions/comments from online chat
- Public comments cards from audience
- Email feedback: George.Schlutermann@WaterMatters.org



Questions?

2010 and Projected Change in 18 Hole Golf Course Equivalents

| County | 2010 | 2010-2015 | 2015-2020 | 2020-2025 | 2025-2030 | 2030-2035 | 2010-2035 |
|--------------|--------------|-----------|-------------|-------------|-----------|-------------|--------------|
| Charlotte | 20 | -0.5 | 2 | 2 | 2 | 1.5 | 7 |
| Citrus | 18 | 0 | 2 | 2 | 2 | 2 | 8 |
| DeSoto | 3 | 0 | 0 | 0 | 0 | 0 | 0 |
| Hardee | 1.5 | 0 | 0 | 0 | 0 | 0 | 0 |
| Hernando | 20.5 | -1 | 2.5 | 2.5 | 2.5 | 2.5 | 9 |
| Highlands | 16 | 0 | 1.5 | 1.5 | 1.5 | 2 | 6.5 |
| Hillsborough | 47 | 0 | 5 | 5 | 4.5 | 4.5 | 19 |
| Lake | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Levy | 2 | 0 | 0 | 0 | 0 | 0 | 0 |
| Manatee | 34 | 1 | 4 | 3.5 | 3.5 | 3.5 | 15.5 |
| Marion | 13 | 0 | 1.5 | 1.5 | 1.5 | 1.5 | 6 |
| Pasco | 31.5 | 0 | 3.5 | 3.5 | 3.5 | 3.5 | 14 |
| Pinellas | 43.5 | 0 | 2 | 1.5 | 1 | 0.5 | 5 |
| Polk | 44 | 2 | 3.5 | 3 | 3 | 2.5 | 14 |
| Sarasota | 48 | 0 | 4 | 4 | 3.5 | 3.5 | 15 |
| Sumter | 27.5 | 1.5 | 5 | 5.5 | 5.5 | 6 | 23.5 |
| TOTAL | 369.5 | 3 | 36.5 | 35.5 | 34 | 33.5 | 142.5 |

2010-2035 Average Projected Total Landscape/Recreation Demand (MGD)

| County | 2010 | 2015 | 2020 | 2025 | 2030 | Change | | % Change |
|--------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|
| | | | | | | 2035 | 2010-2035 | 2010-2035 |
| Charlotte | 1.973 | 1.978 | 2.170 | 2.365 | 2.562 | 2.724 | 0.752 | 38.11% |
| Citrus | 4.555 | 4.558 | 5.106 | 5.655 | 6.205 | 6.755 | 2.200 | 48.31% |
| DeSoto | 0.516 | 0.517 | 0.531 | 0.545 | 0.558 | 0.571 | 0.055 | 10.73% |
| Hardee | 0.105 | 0.105 | 0.106 | 0.107 | 0.108 | 0.109 | 0.004 | 3.97% |
| Hernando | 5.103 | 4.950 | 5.584 | 6.226 | 6.875 | 7.529 | 2.426 | 47.54% |
| Highlands | 2.400 | 2.409 | 2.651 | 2.896 | 3.143 | 3.459 | 1.059 | 44.13% |
| Hillsborough | 9.120 | 9.555 | 10.487 | 11.453 | 12.406 | 13.370 | 4.249 | 46.59% |
| Lake | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.00% |
| Levy | 0.277 | 0.277 | 0.279 | 0.281 | 0.283 | 0.285 | 0.008 | 3.05% |
| Manatee | 12.485 | 13.495 | 14.768 | 16.080 | 17.460 | 18.878 | 6.392 | 51.20% |
| Marion | 3.527 | 3.560 | 3.977 | 4.398 | 4.822 | 5.247 | 1.721 | 48.80% |
| Pasco | 3.707 | 3.802 | 4.215 | 4.640 | 5.077 | 5.520 | 1.813 | 48.90% |
| Pinellas | 3.116 | 3.148 | 3.274 | 3.378 | 3.457 | 3.509 | 0.394 | 12.63% |
| Polk | 15.640 | 17.360 | 18.940 | 20.500 | 22.070 | 23.760 | 8.120 | 51.92% |
| Sarasota | 7.047 | 7.213 | 7.757 | 8.311 | 8.828 | 9.341 | 2.294 | 32.55% |
| Sumter | 1.470 | 1.641 | 1.916 | 2.222 | 2.543 | 2.894 | 1.424 | 96.91% |
| TOTAL | 71.040 | 74.567 | 81.759 | 89.056 | 96.398 | 103.952 | 32.913 | 46.33% |