

# Draft 2015 Regional Water Supply Plan

**Public Information Workshop  
Inverness, Northern Region  
July 23, 2015**

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Water Supply Section**

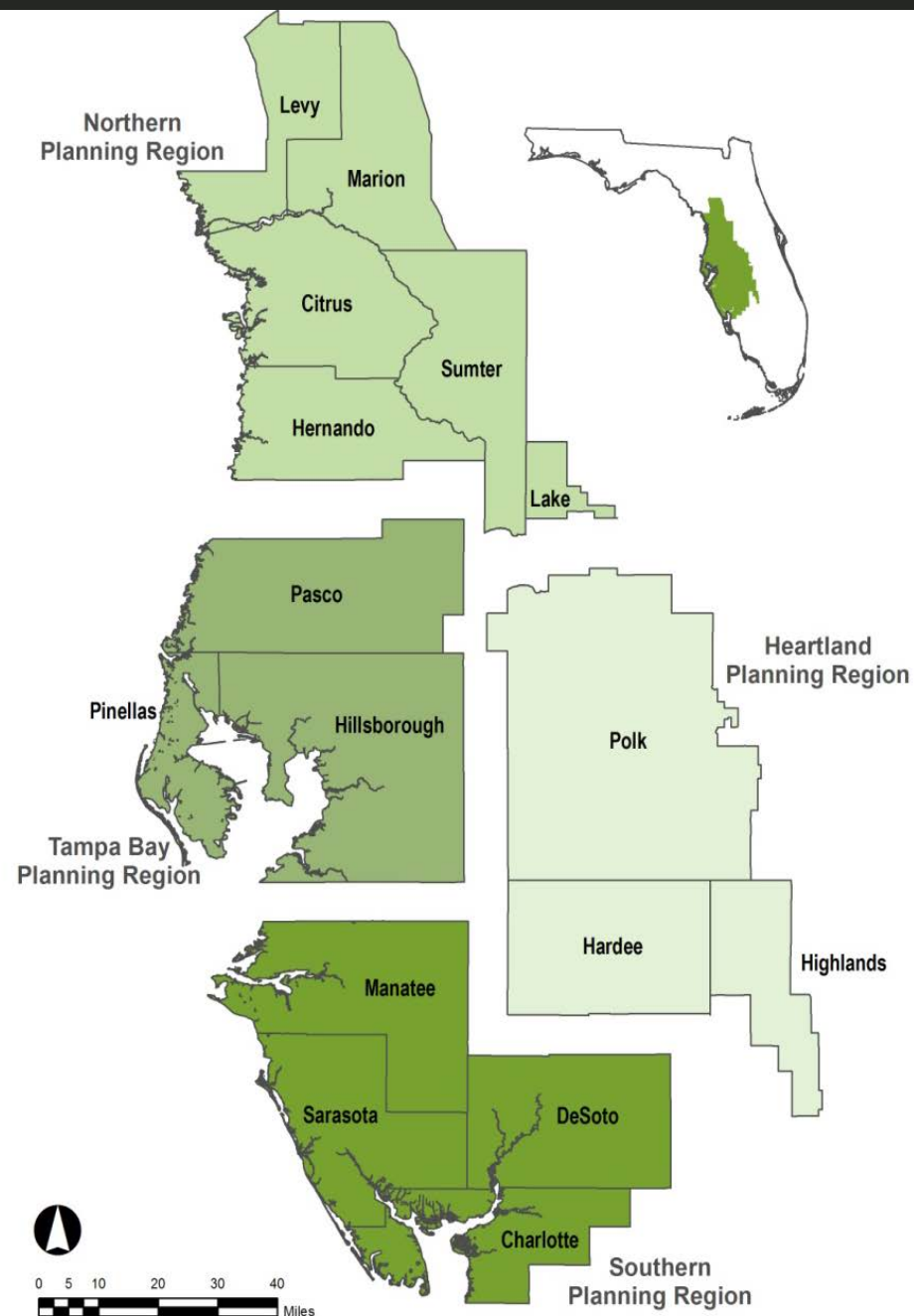


# Today's Presentation

- What is a RWSP?
- Guiding Principles
- Schedule & Public Involvement Process
- RWSP Details
  - Districtwide
  - Northern Region
- How to Submit Your Comments!

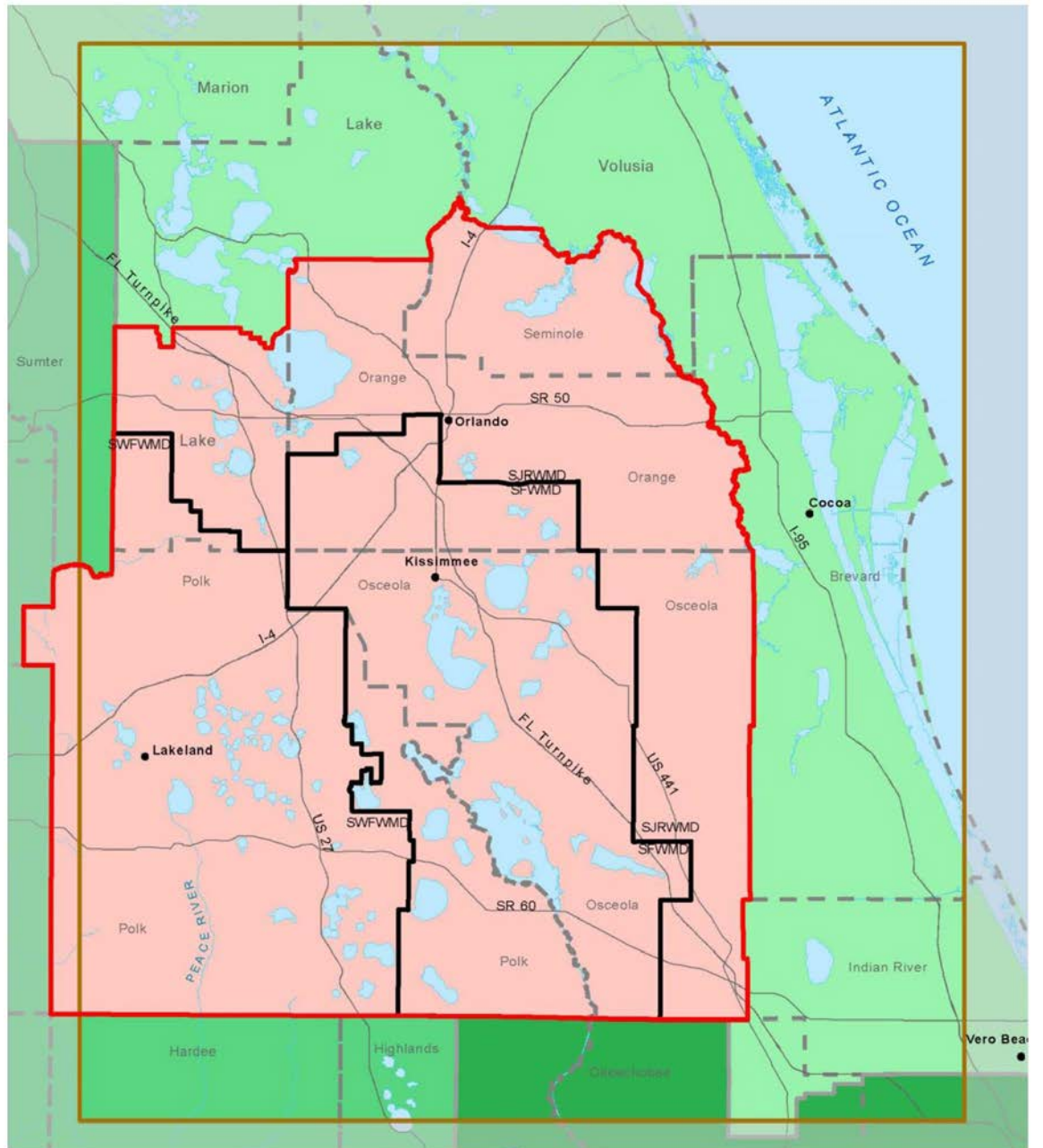
# What is a RWSP?

- 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

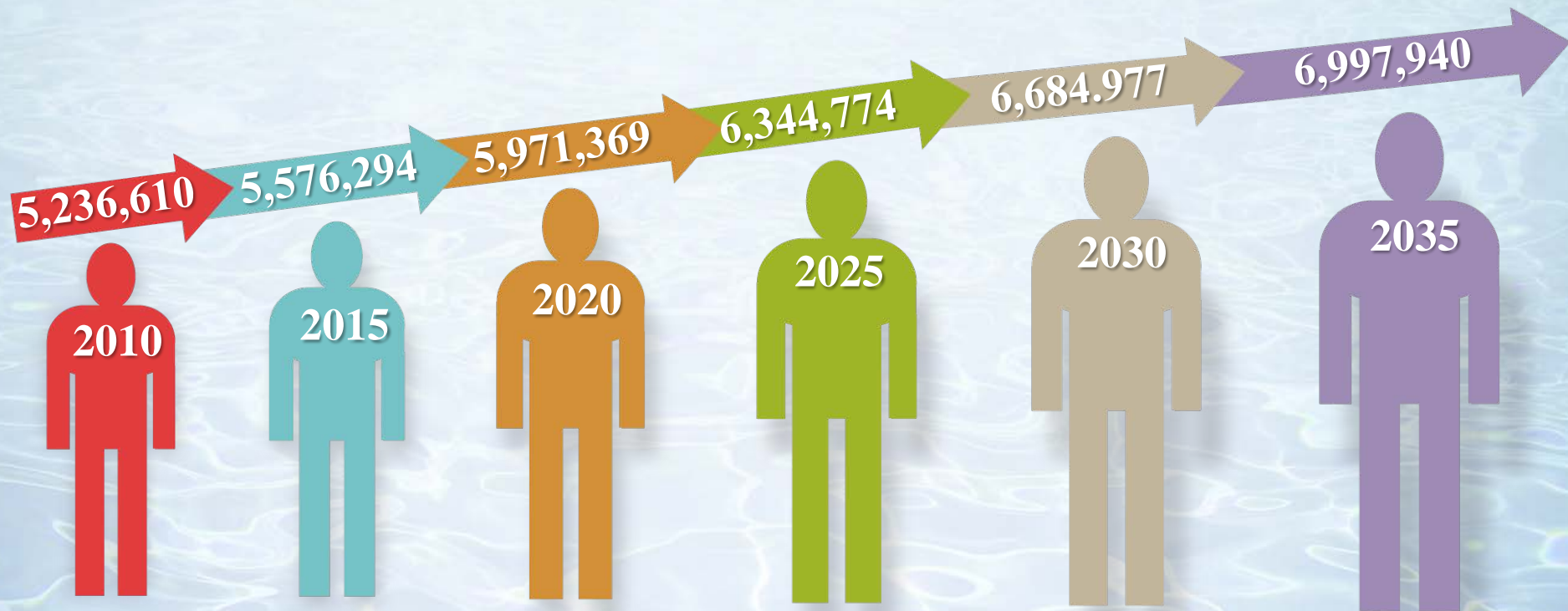




# Central Florida Water Initiative (CFWI)






# 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 – August 17, 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

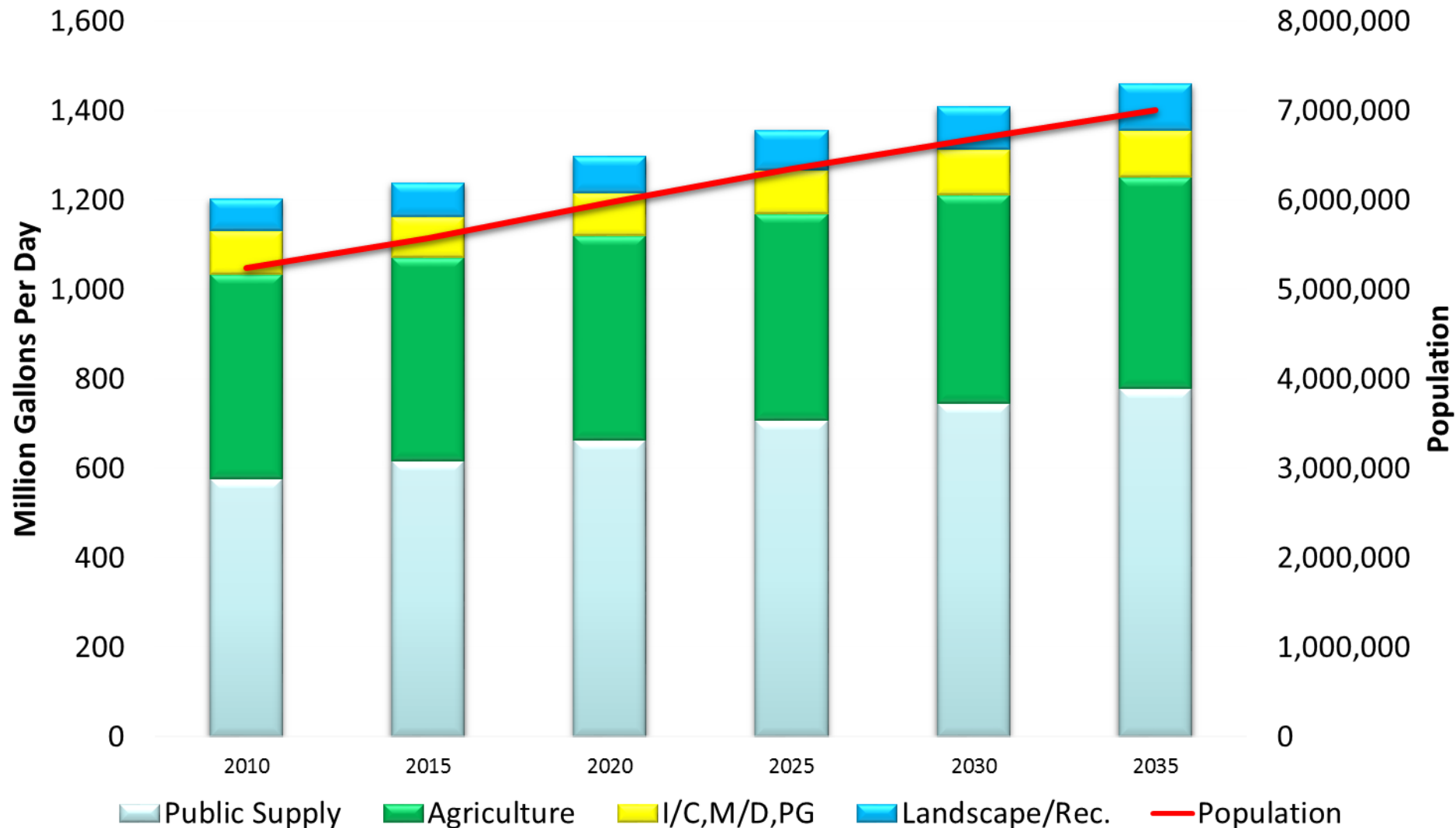
## Communication Methods

- Presentations
- Workshops with webcasts
- Social media and traditional media
- Webpage [WaterMatters.org/RWSP](http://WaterMatters.org/RWSP)





# District Projected Total Water Use and Population



# Northern Planning Region Population Projections

County	2010	2015	2020	2025	2030	2035
Citrus	150,309	159,011	170,286	180,604	189,752	197,879
Hernando	173,147	188,757	207,708	225,676	242,619	258,147
Lake	1,028	1,247	1,500	1,745	1,993	2,235
Levy	23,130	24,543	26,187	27,831	29,536	31,241
Marion	103,648	116,819	132,818	148,296	162,612	177,287
Sumter	105,016	128,911	152,552	174,978	195,676	214,658
<b>Total</b>	<b>556,278</b>	<b>619,288</b>	<b>691,051</b>	<b>759,130</b>	<b>822,189</b>	<b>881,448</b>

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%



# **Demand Projections**

## **Northern Region 2010-2035 (mgd)**

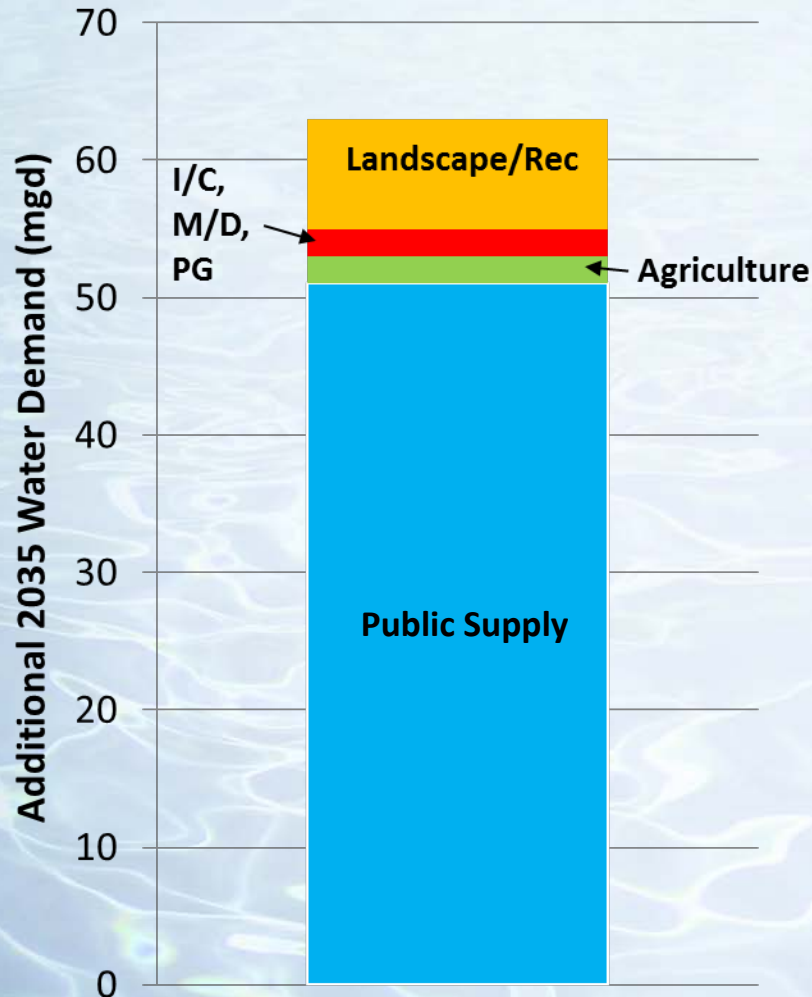
<b>Category</b>	<b>2010</b>	<b>2035</b>	<b>Change</b>
<b>Public Supply</b>	<b>87</b>	<b>138</b>	<b>51</b>
<b>Agriculture</b>	<b>27</b>	<b>29</b>	<b>2</b>
<b>I/C,M/D,PG</b>	<b>11</b>	<b>13</b>	<b>2</b>
<b>Landscape/Rec</b>	<b>15</b>	<b>23</b>	<b>8</b>
<b>Total</b>	<b>140</b>	<b>203</b>	<b>63</b>

# Northern Planning Region

## Projected Water Demand and Water Availability

Approx. Total 63 mgd

Approx. Total 162 mgd



Water Availability provided by:

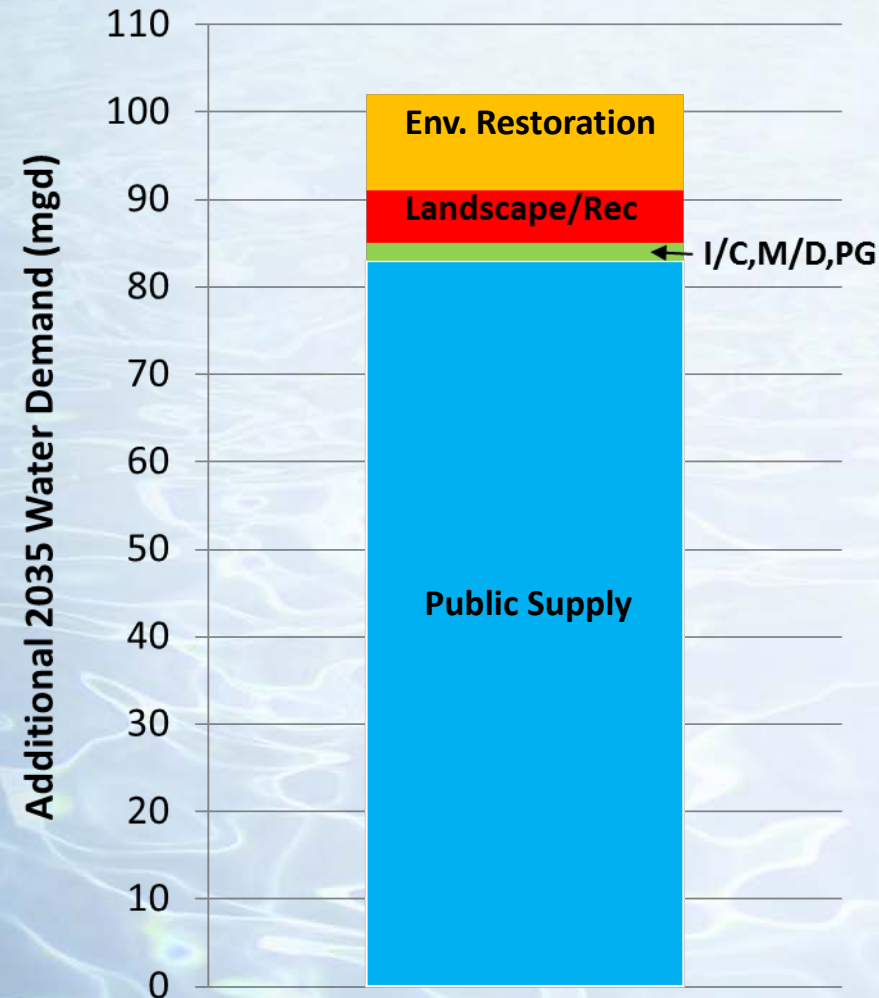
- Groundwater
- Reclaimed water
- Surface water
- Water conservation
- Desalination

# Tampa Bay Planning Region

## Projected Water Demand and Water Availability

Approx. Total 102 mgd

Approx. Total 268 mgd



Water Availability provided by:

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

Note: Estimated Agricultural Reduction of 12 mgd

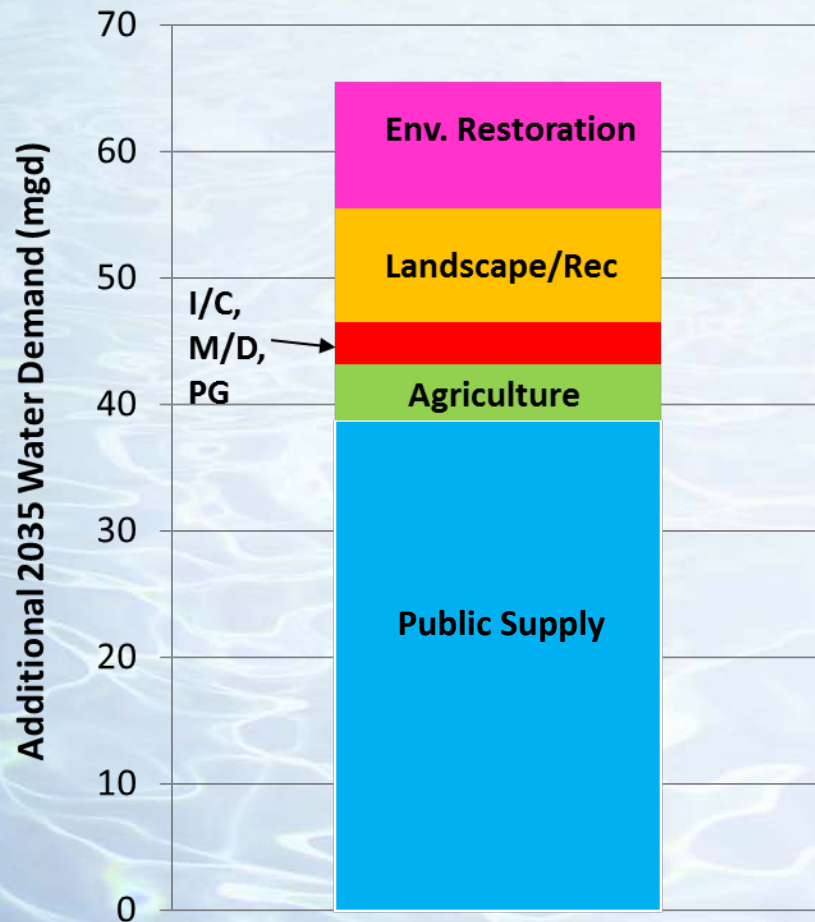


# Heartland Planning Region

## Projected Water Demand and Water Availability

Approx. Total 65 mgd

Approx. Total 107 mgd



Water Availability provided by:

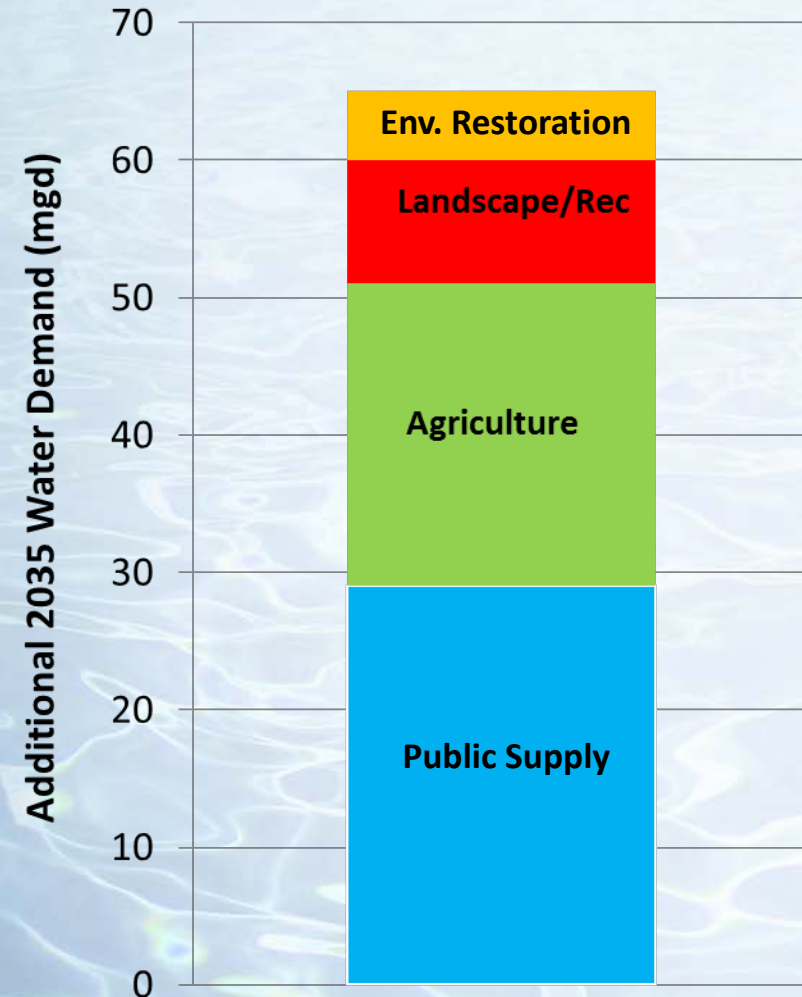
- Groundwater
- Reclaimed water
- Surface water
- Water conservation

# Southern Planning Region

## Projected Water Demand and Water Availability

Approx. Total 65 mgd

Approx. Total 302 mgd



Water Availability provided by:

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

# 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



# Differences Since 2010 Plan

- 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)
- Central Florida Water Initiative
  - Lake and Polk Counties

# 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

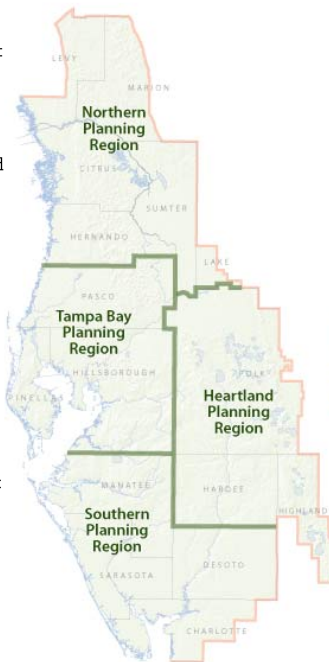
The RWSP provides a framework for future water management decisions in the District and demonstrates how water demands can be met through a combination of alternative water sources, fresh groundwater and water conservation measures.

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](#)

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# How to Submit Your Public Comment

Please submit comments by August 17, 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](mailto:George.Schlutermann@watermatters.org)
- Mail comments to: George Schlutermann, P.G.

SWFWMD

2379 Broad St.

Brooksville, FL 34604

# Public Involvement

- Public comment period

- Started May 13, 2015
- Ends August 17, 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**





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Questions?