

The Florida Senate
COMMITTEE MEETING EXPANDED AGENDA

AGRICULTURE
Senator Montford, Chair
Senator Bullard, Vice Chair

MEETING DATE: Monday, September 23, 2013
TIME: 4:00 —6:00 p.m.
PLACE: 301 Senate Office Building

MEMBERS: Senator Montford, Chair; Senator Bullard, Vice Chair; Senators Brandes, Galvano, Garcia, Grimsley, and Sachs

TAB	BILL NO. and INTRODUCER	BILL DESCRIPTION and SENATE COMMITTEE ACTIONS	COMMITTEE ACTION
1	Overview of water policies and procedures by the Department of Agriculture and Consumer Services		Presented
2	Overview of water policies and procedures by the Department of Environmental Protection		Presented

Other Related Meeting Documents

THE FLORIDA SENATE
APPEARANCE RECORD

(Deliver BOTH copies of this form to the Senator or Senate Professional Staff conducting the meeting)

9/23/2013 ✓

Meeting Date

Topic OVERVIEW OF WATER PROGRAMS

Bill Number _____
(if applicable)

Name RICH BUDPELL IDALS

Amendment Barcode _____
(if applicable)

Job Title DIRECTOR OF WATER POLICY

Address 1203 GOVERNORS SQUARE BLVD

Phone 850 617 1704

Street

TLH FL 32301

City

State

Zip

E-mail Rich.Budell@FreshFromFlorida.com

Speaking: For Against Information

Representing _____

Appearing at request of Chair: Yes No

Lobbyist registered with Legislature: Yes No

While it is a Senate tradition to encourage public testimony, time may not permit all persons wishing to speak to be heard at this meeting. Those who do speak may be asked to limit their remarks so that as many persons as possible can be heard.

This form is part of the public record for this meeting.

FDACS Role in Water Resource Protection, Conservation and Planning

Florida Senate Agriculture Committee
Senator Bill Montford, Chair

September 23, 2013

Rich Budell, Director
Office of Agricultural Water Policy



Water Resource Protection

- Watershed Restoration Act (s.403.067 F.S.)
- Northern Everglades & Estuaries Protection Act (s. 373.4595 F.S.)
- Nitrogen Control (s. 576.045 F.S.)
- Aquaculture Policy Act (Ch. 597 F.S.)

BMP Implementation Status-

- Forestry – 5.64 Million acres
- General Agriculture – 3.7 Million acres
- Certified Aquaculture Facilities – 900+



Water Quality BMPs – What are they?

- Practice or combination of practices based on research, field-testing and expert review, to be the most effective and practicable on-location means, including economic and technological considerations, for improving water quality in agricultural and urban discharges
- Nutrient (nitrogen & phosphorus) Management
- Stormwater Management
- Irrigation Management
- Fencing / Buffers near Waterways



BMPs – What do they look like?



BMPs – What do they look like?



BMPs – What do they look like?

Observation Wells



Weather Stations



Soil Moisture Monitoring



Statewide BMP Enrollment as of 6/30/13

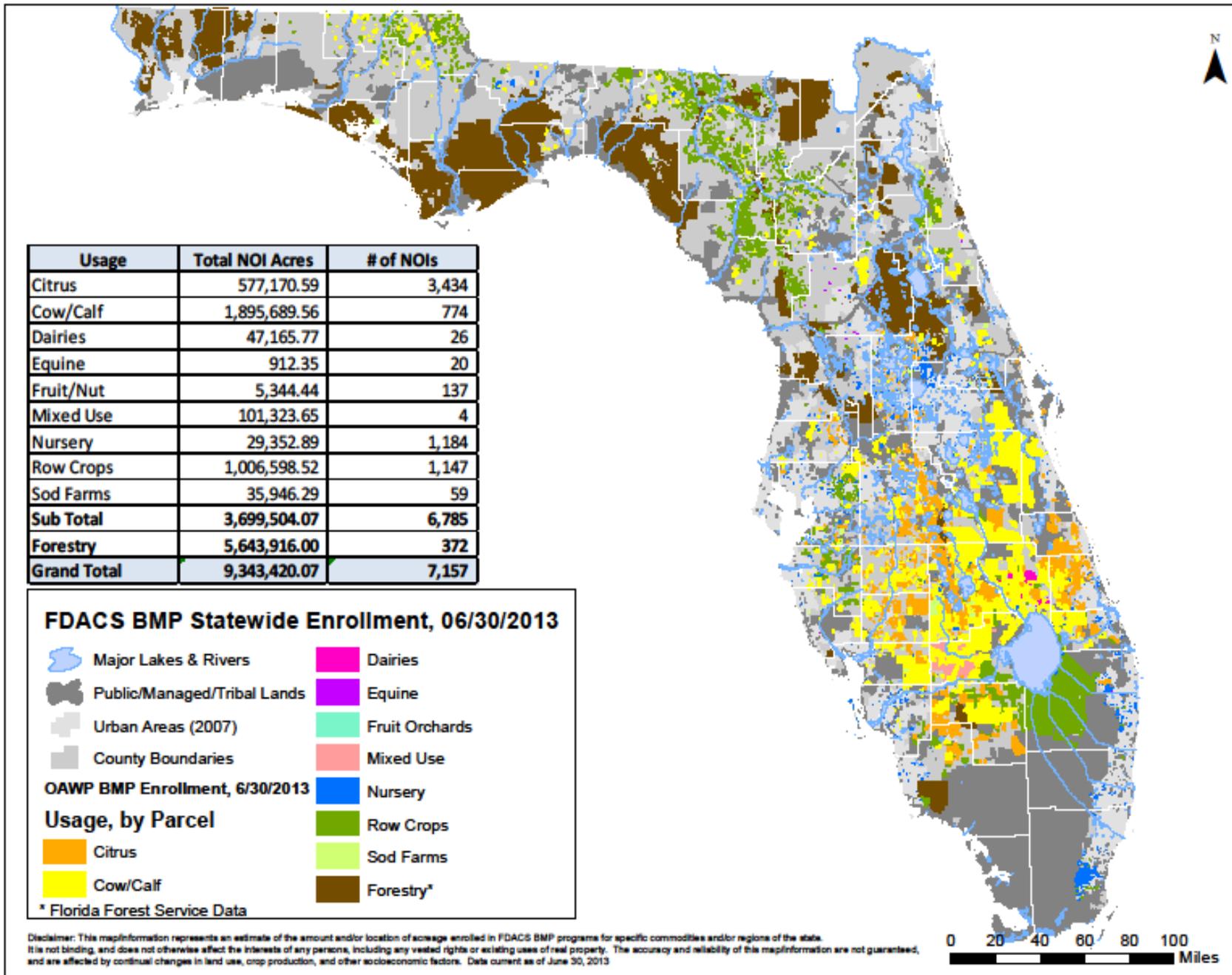
**Statewide Non-Forestry - 3.7 million acres, including
(rounded numbers):**

- **Cow/Calf - 1.9 million acres**
- **Row Crops - 1 million acres**
- **Citrus - 580,000 acres**
- **All other - 220,000 acres**

Statewide Forestry (rounded number): 5.64 million acres



Statewide BMP Enrollment



Water Resource Conservation

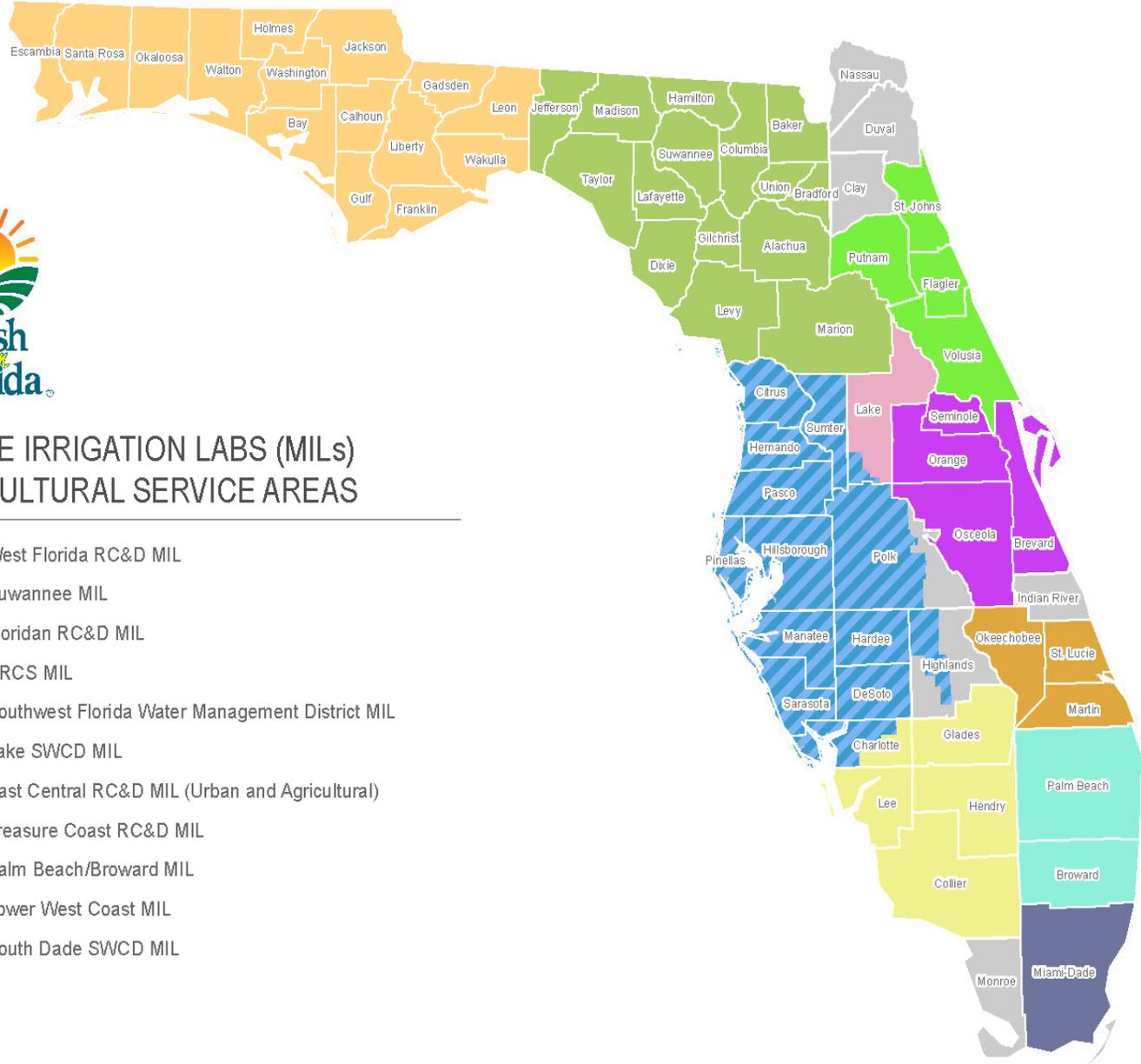
- Agriculture is second largest user of fresh water in Florida
- Access to adequate quantities of fresh water is critical
- Commitment to conservation/efficiency (Mobile Irrigation Laboratories)
- In partnership with water management districts to develop alternative water supply projects
- Participate with stakeholders to develop innovative water storage programs on private lands
- Preserving agricultural lands is critical for water storage and treatment, ground water recharge, and wildlife corridors





MOBILE IRRIGATION LABS (MILs) AGRICULTURAL SERVICE AREAS

-  West Florida RC&D MIL
-  Suwannee MIL
-  Floridan RC&D MIL
-  NRCS MIL
-  Southwest Florida Water Management District MIL
-  Lake SWCD MIL
-  East Central RC&D MIL (Urban and Agricultural)
-  Treasure Coast RC&D MIL
-  Palm Beach/Broward MIL
-  Lower West Coast MIL
-  South Dade SWCD MIL



June 2012









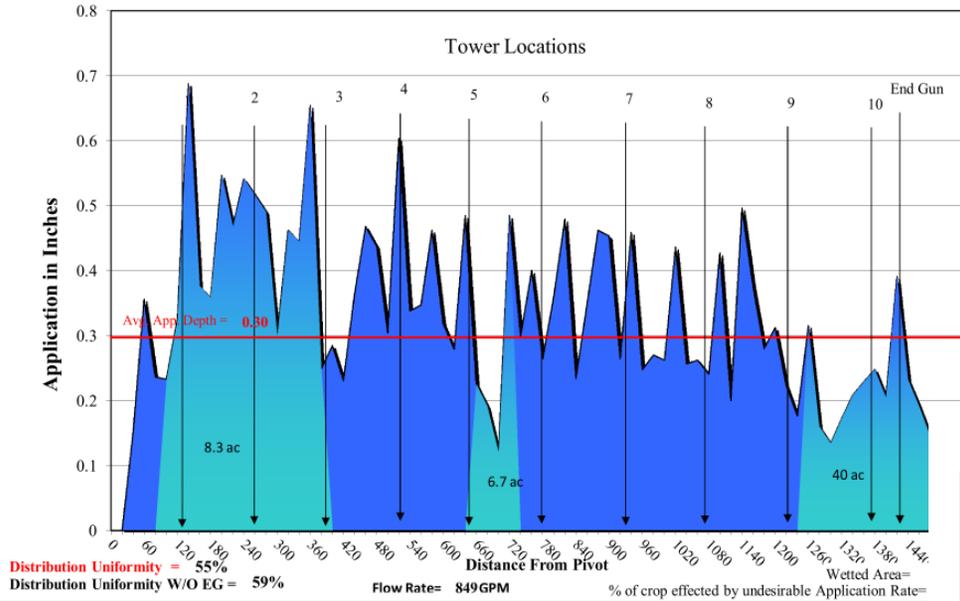
Radford Farms Left Side

Resource Conservation Partners
P.O. Box 961, 1303 Riverside Dr.,
Steinhatchee, FL 32359
(386)-209-5301

Application Uniformity

Ver. 5.3.2

As of: March 9, 2012



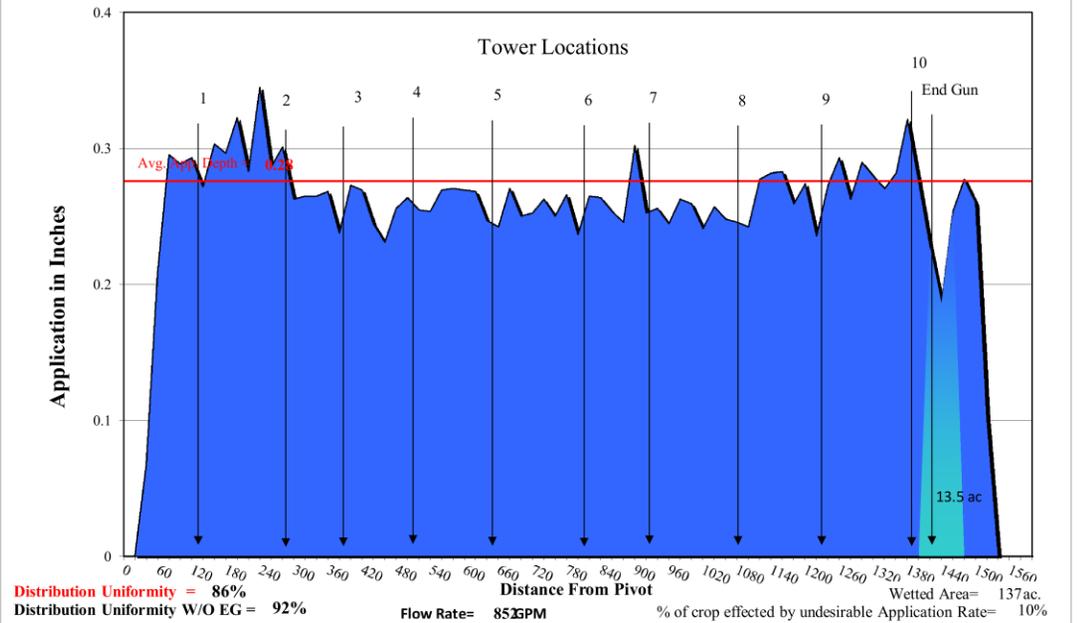
Radford Farms Left Side

Resource Conservation Partners
P.O. Box 961, 1303 Riverside Dr.,
Steinhatchee, FL 32359
(386)-209-5301

Application Uniformity

Ver. 5.4.4

As of: June 19, 2012



Water Resource Conservation

- Conducted nearly 6000 system evaluations
- Covering 220,000 acres
- Documented conservation of nearly 30 mgd
- Estimated conservation of over 50 mgd



Agricultural Water Supply Planning

A Simple Process:

- Determine existing irrigated agricultural acreage
- Project future irrigated agricultural acreage
- Project future agricultural water supply demand



Agricultural Water Supply Planning

Challenges in characterizing crop trends:

- Diversity of Florida agriculture
- Changing economic conditions
- Climate events (droughts, storms)
- Pests and diseases
- Changing markets and consumer preferences



Water Supply Challenges

- For the first time, domestic supply has overtaken agriculture as the largest permitted water user.
- By 2030 Florida's overall demand for fresh water is projected to increase by 30% - agricultural supply demand is projected to remain flat.
- Minimum Flows and Levels (MFLs)
- Competition issues:
 - Dover/Plant City
 - Central Florida Water Initiative
 - North Florida Regional Water Supply Plan
 - Lake Okeechobee



Water Supply Challenges

- Agriculture is a “self-supplier” of water – cannot pass on the costs of wells, pumps, etc.
- Only 2.8% of all water on the planet is fresh
 - 75% of which is tied up in ice caps and glaciers
 - Remaining 25% of fresh water is ground water and surface water
 - A whopping 0.7% of all the water on the earth....
- Projected population growth from 7 to 9 billion by 2050
- Food production will have to increase 70%
- Water available for agriculture will decrease



“We live in a highly industrialized and urban culture, but it is important to remember that there is no such thing as a post-agricultural society. Policy decisions concerning agriculture, our environment, water supply and land use need to reflect this fundamental truth.”

- Timothy Weiskel 1990



THE FLORIDA SENATE
APPEARANCE RECORD

(Deliver BOTH copies of this form to the Senator or Senate Professional Staff conducting the meeting)

9/23/13

Meeting Date

Topic Water Management

Bill Number _____
(if applicable)

Name Janet Heweslynn

Amendment Barcode _____
(if applicable)

Job Title DEP, Office of Water Policy

Address 3900 Commonwealth Blvd.

Phone 850/245-3139

Street

Tallahassee, FL 32399

City

State

Zip

E-mail _____

Speaking: For Against Information

Representing FL Dept. of Env. Protection

Appearing at request of Chair: Yes No

Lobbyist registered with Legislature: Yes No

While it is a Senate tradition to encourage public testimony, time may not permit all persons wishing to speak to be heard at this meeting. Those who do speak may be asked to limit their remarks so that as many persons as possible can be heard.

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S-001 (10/20/11)

THE FLORIDA SENATE
APPEARANCE RECORD



(Deliver BOTH copies of this form to the Senator or Senate Professional Staff conducting the meeting)

9/23/13
Meeting Date

Topic Water Presentation

Bill Number _____
(if applicable)

Name Drew Bartlett

Amendment Barcode _____
(if applicable)

Job Title Deputy Secretary, Water Policy

Address 3900 Commonwealth Dr

Phone 245-2130

Tallahassee FL 32399
City State Zip

E-mail Drew.Bartlett@dep.state.fl.us

Speaking: For Against Information

Representing DEP

Appearing at request of Chair: Yes No

Lobbyist registered with Legislature: Yes No

While it is a Senate tradition to encourage public testimony, time may not permit all persons wishing to speak to be heard at this meeting. Those who do speak may be asked to limit their remarks so that as many persons as possible can be heard.

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THE FLORIDA SENATE
APPEARANCE RECORD



9-28-2013

(Deliver BOTH copies of this form to the Senator or Senate Professional Staff conducting the meeting)

Meeting Date

Topic Water in Az

Bill Number _____
(if applicable)

Name Steve Edmonds

Amendment Barcode _____
(if applicable)

Job Title Citizen

Address 1022 Vanessa Dr

Phone _____

Street

Oviedo FL 32765

City

State

Zip

E-mail use-jr@cfl.rr.com

Speaking: For Against Information

Representing Save Our Indian River Lagoon

Appearing at request of Chair: Yes No

Lobbyist registered with Legislature: Yes No

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Florida Department of Environmental Protection



Water Resources

Committee on Agriculture

Senator Bill Montford, Chair

September 23, 2013

Drew Bartlett, Deputy Secretary
Water Policy & Ecosystem Restoration





Office of Water Policy & Ecosystem Restoration

Water resource protection

- Office of Water Policy and the Water Management Districts — s.373.026 F.S.

Water Quantity

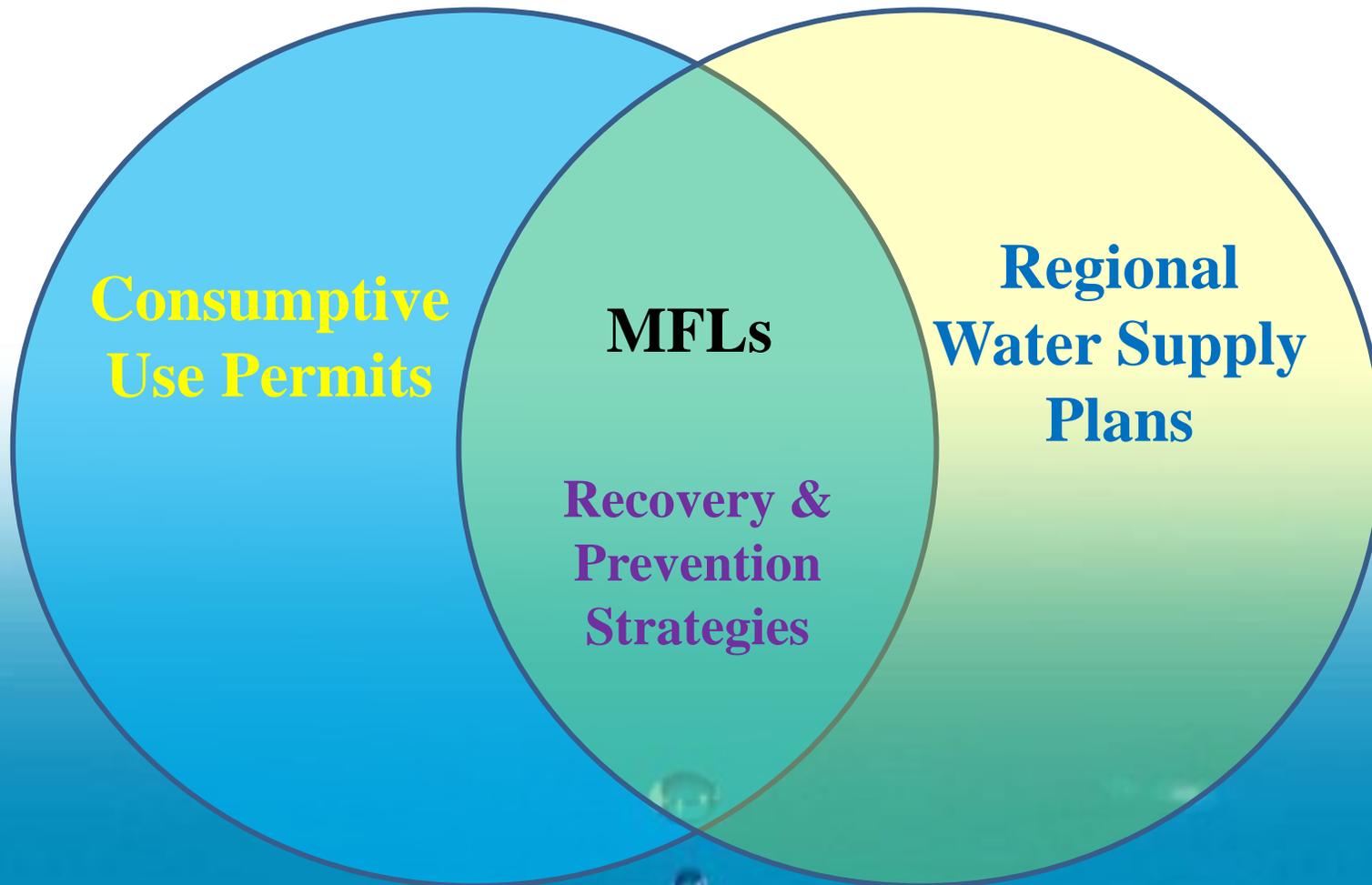
- Division of Environmental Assessment & Restoration, s.403.067, F.S.

Water Quality





Quantity: Water Supply Planning and Regulatory Framework



Water Quantity – Status

- 18.7 BGD allocated in CUPs
- 346 MFLs established for water bodies
- 96% of MFLs are being met or have approved Recovery or Prevention Strategies

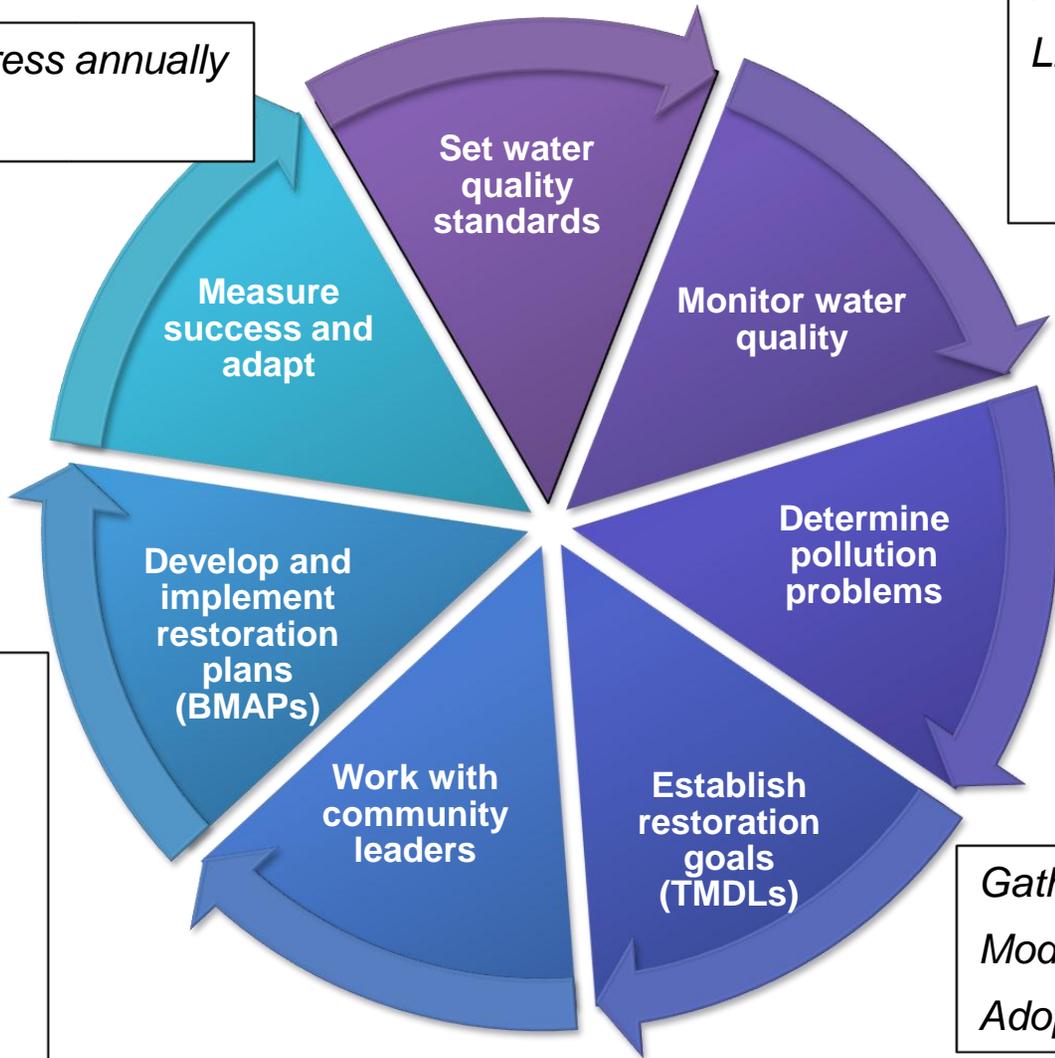


Water Quality Framework

Monitor and report progress annually
Adapt and change

Collect data
Analyze and verify
List "impaired" waters

REPEAT



Excessive nutrients
Bacteria
Mercury

Allocate responsibilities
Identify projects

- Infrastructure
- BMPs
- Land acquisition

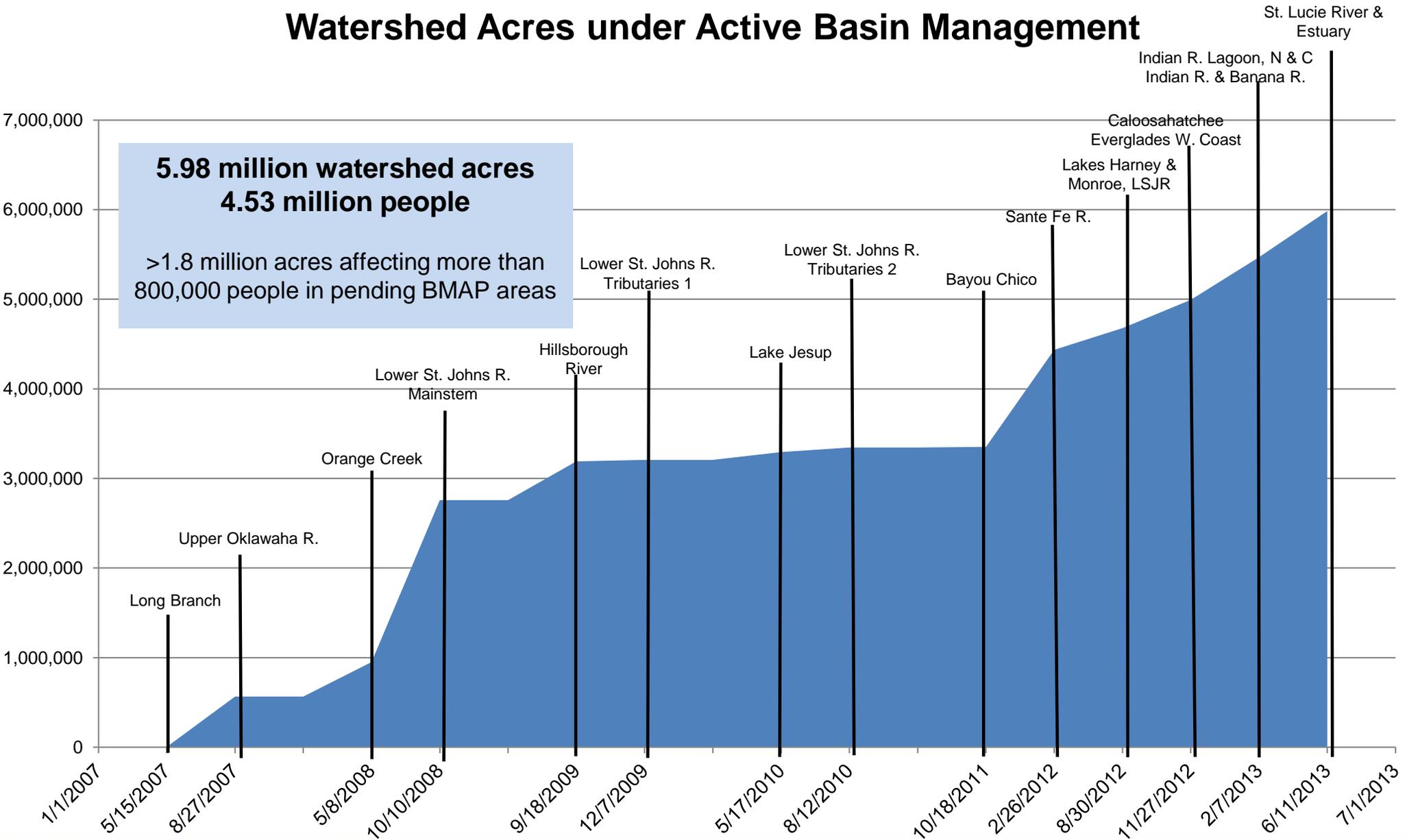
Establish schedules
Identify success criteria

Gather additional data
Model water quality
Adopt pollutant reduction targets



Restoration through Basin Management

Watershed Acres under Active Basin Management



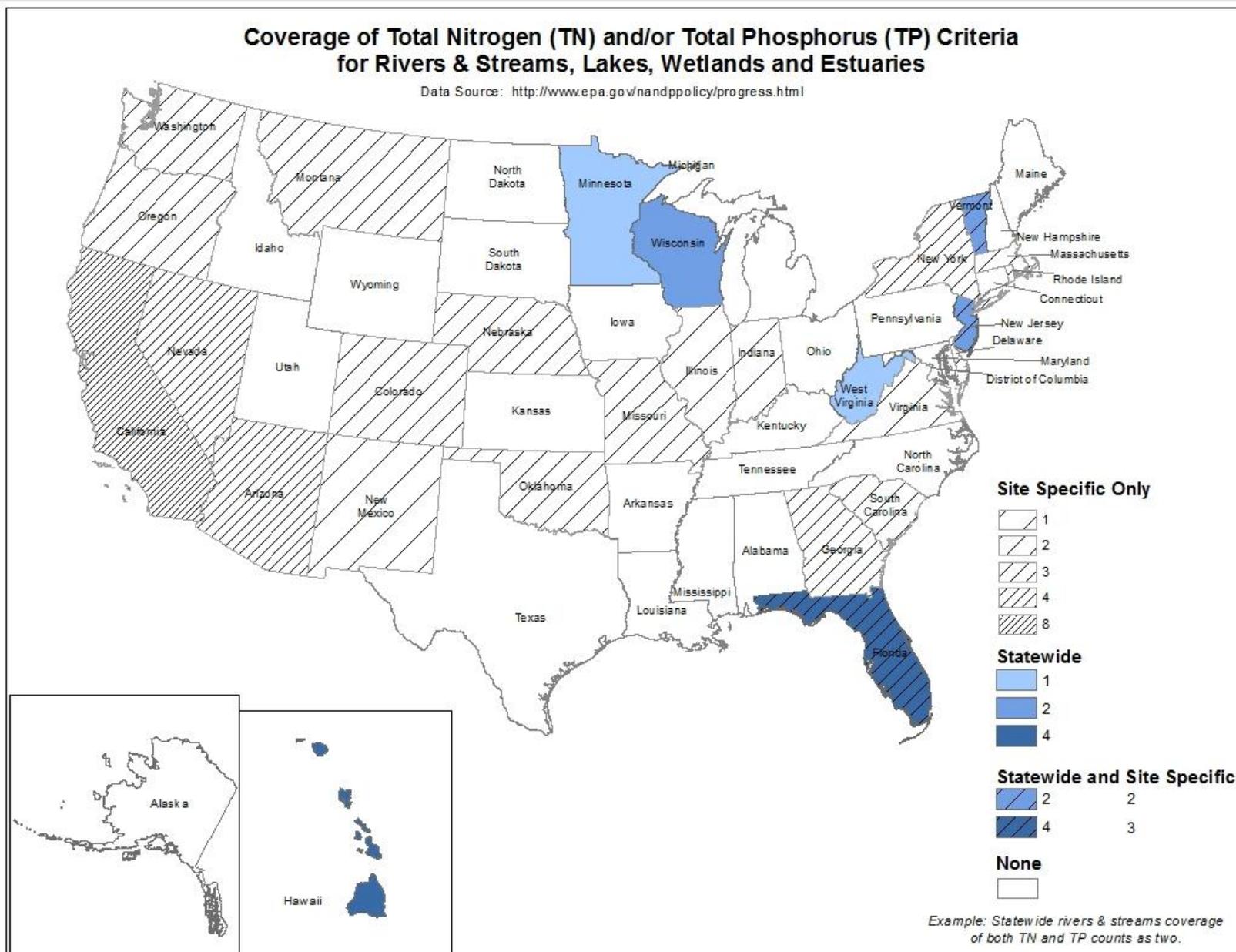


Numeric Nutrient Criteria - Status



- August 2009 – **EPA** settled federal lawsuit & entered consent decree to establish federal numeric nutrient criteria if Florida does not
- November 2012 – **EPA** approved DEP rules and proposed more Federal rules
- March 2013 – **DEP and EPA** entered Agreement in Principle and Path Forward
- May 2013 – **FL Legislature (SB 1808)** supported the Agreement in Principle and Path Forward
- September 2013 – **Federal Hearing**

Numeric Nutrient Criteria Nationally



Springs Initiatives

- **Quantity**
 - 30 MFLs Set
 - 69 MFLs Underway
- **Quality**
 - 7 TMDLs Set
 - 339 Springs
 - 3 TMDLs Underway
 - 49 Springs
 - 1 BMAP Set
 - 81 Springs
 - 4 BMAPs Underway
 - 225 Springs
- **Restoration Project Implementation**
 - \$36.8M in partnership funding commitments



Contact



Drew Bartlett, Deputy Secretary
Water Policy & Ecosystem Restoration
Drew.Bartlett@dep.state.fl.us, 850.245.2030



THE FLORIDA SENATE

Tallahassee, Florida 32399-1100

COMMITTEES:

Communications, Energy, and Public Utilities, Vice
Chair
Appropriations Subcommittee on Criminal and
Civil Justice
Appropriations Subcommittee on Health and Human
Services
Transportation
Health Policy
Agriculture
Transportation

JOINT COMMITTEE:

Joint Committee on Administrative Procedures

SENATOR RENE GARCIA

38th District

September 18, 2013

The Honorable Bill Montford
214 Senate Office Building
404 South Monroe Street
Tallahassee, FL 32399-1100

Dear Chairman Montford:

Due to a previously planned event; I will not be able to attend the Agriculture Committee meeting scheduled for Monday September 23, 2013. Please do not hesitate to contact my office if you have any questions. Thank you.

Sincerely,

A handwritten signature in black ink, appearing to read "René García".

State Senator René García

District 38

RG:dm

CC: Katherine Halley, Staff Director

REPLY TO:

- 1490 West 68 Street, Suite 201, Hialeah, Florida 33014 (305) 364-3100
- 310 Senate Office Building, 404 South Monroe Street, Tallahassee, Florida 32399-1100 (850) 487-5038

Senate's Website: www.flsenate.gov

DON GAETZ
President of the Senate

GARRETT RICHTER
President Pro Tempore



THE FLORIDA SENATE

Tallahassee, Florida 32399-1100

COMMITTEES:
Transportation, *Chair*
Agriculture
Appropriations Subcommittee on Finance and Tax
Appropriations Subcommittee on Transportation,
Tourism, and Economic Development
Education
Health Policy

SELECT COMMITTEE:
Select Committee on Patient Protection
and Affordable Care Act

SENATOR JEFF BRANDES

22nd District

September 23, 2013

Senator Bill Montford, Chair
Committee on Agriculture
214 Senator Office Building
404 South Monroe Street
Tallahassee, FL 32399-1100

Chair Montford:

Please excuse my absence from the Committee on Agriculture, today, September 23, 2013. My wife recently delivered our youngest son Conor.

Thank you for your consideration in this matter.

Sincerely,

A handwritten signature in black ink, appearing to read "Jeff Brandes", with a long horizontal flourish extending to the right.

Senator Jeff Brandes
District 22

Cc: Katherine Halley, Staff Director

REPLY TO:

- 3637 Fourth Street North, Suite 101, St. Petersburg, Florida 33704-1300 (727) 552-2745
- 318 Senate Office Building, 404 South Monroe Street, Tallahassee, Florida 32399-1100 (850) 487-5022

Senate's Website: www.flsenate.gov

DON GAETZ
President of the Senate

GARRETT RICHTER
President Pro Tempore

CourtSmart Tag Report

Room: SB 301

Caption: Senate Agriculture Committee

Case:

Judge:

Type:

Started: 9/23/2013 4:00:06 PM

Ends: 9/23/2013 5:14:47 PM

Length: 01:14:42

4:00:25 PM The meeting was called to order by Chairman Montford
4:00:36 PM Roll call by Administrative Assistant, Joyce Butler
4:00:45 PM Comments from Chairman Montford
4:01:02 PM Introduction of staff by Chairman Montford
4:01:30 PM Senator Garcia and Senator Brandes excused absence
4:02:06 PM Additional comments from Chairman Montford regarding water policies
4:02:55 PM Introduction of first presenter - Rick Budell, Director, Water Policies, Department of Agriculture and Consumer Services
4:03:20 PM Presentation by Mr. Rich Budell
4:06:07 PM Comments from Chairman Montford
4:06:45 PM Question and comments from Senator Sachs
4:08:13 PM Response from Mr. Rich Budell
4:08:43 PM Continued presentation from Mr. Rich Budell
4:12:28 PM Question from Chairman Montford
4:12:41 PM Answer from Mr. Rich Budell
4:13:14 PM Follow up question from Chairman Montford
4:13:25 PM Answer from Mr. Rich Budell
4:13:50 PM Continued presentation from Mr. Rich Budell
4:17:22 PM Question from Chairman Montford
4:17:40 PM Answer from Mr. Rich Budell
4:18:15 PM Response from Senator Sachs
4:18:29 PM Continued presentation from Mr. Rich Budell
4:20:04 PM Question from Senator Sachs
4:20:29 PM Answer from Mr. Rich Budell
4:23:15 PM Follow up comments from Senator Sachs
4:23:24 PM Response from Mr. Rich Budell
4:23:41 PM Continued presentation from Mr. Rich Budell
4:27:37 PM Comments/question from Senator Bullard
4:28:26 PM Answer from Mr. Rich Budell
4:29:34 PM Follow up question from Senator Bullard
4:30:16 PM Answer from Mr. Rich Budell
4:31:53 PM Comments from Chairman Montford
4:32:50 PM Continued presentation from Mr. Rich Budell
4:41:01 PM Question from Senator Sachs
4:41:28 PM Answer from Mr. Rich Budell
4:42:06 PM Follow up question from Senator Sachs
4:44:05 PM Comments/question from Chairman Montford
4:44:27 PM Response from Mr. Rich Budell
4:45:45 PM Continued presentation by Mr. Rich Budell
4:47:07 PM Comments from Chairman Montford
4:47:24 PM Introduction of Mr. Drew Bartlett
4:48:18 PM Presentation by Mr. Drew Bartlett, Deputy Secretary, Water Policy, Department of Environmental Protection
4:52:29 PM Question from Chairman Montford
4:52:39 PM Answer from Mr. Drew Bartlett
4:53:00 PM Follow up question from Chairman Montford
4:53:09 PM Answer from Mr. Drew Bartlett
4:53:38 PM Additional question from Chairman Montford
4:53:52 PM Answer from Mr. Drew Bartlett
4:54:15 PM Additional question from Chairman Montford
4:54:22 PM Answer from Mr. Drew Bartlett
4:55:08 PM Comments from Janet Llewellyn, Office of Water Policy

4:55:30 PM Question from Chairman Montford
4:55:50 PM Answer from Janet Llewellyn
4:55:59 PM Follow up question from Chairman Montford
4:57:31 PM Answer from Janet Llewellyn
4:58:06 PM Continued presentation by Mr. Drew Bartlett
5:01:51 PM Question from Senator Bullard
5:03:41 PM Answer from Mr. Drew Bartlett
5:04:36 PM Follow up question from Senator Bullard
5:05:52 PM Answer from Mr. Drew Bartlett
5:06:05 PM Continued presentation from Mr. Drew Bartlett
5:09:39 PM Question/comments from Senator Sachs
5:09:58 PM Answer from Mr. Drew Bartlett
5:10:08 PM Follow up from Senator Sachs
5:10:22 PM Answer from Mr. Drew Bartlett
5:10:38 PM Comments from Chairman Montford
5:11:14 PM Comments from Mr. Steve Edmonds representing our Indian River Lagoon
5:13:50 PM Comments from Chairman Montford
5:14:34 PM Comments and thanks from Chairman Montford
5:14:40 PM Senator Bullard moves to rise