

The Florida Senate
COMMITTEE MEETING EXPANDED AGENDA
APPROPRIATIONS SUBCOMMITTEE ON GENERAL
GOVERNMENT
Senator Simmons, Chair
Senator Bean, Vice Chair

MEETING DATE: Wednesday, October 11, 2017
TIME: 2:00—4:30 p.m.
PLACE: 301 Senate Office Building

MEMBERS: Senator Simmons, Chair; Senator Bean, Vice Chair; Senators Broxson, Campbell, Gainer, Garcia, Mayfield, Rodriguez, Rouson, Taddeo, and Torres

TAB	BILL NO. and INTRODUCER	BILL DESCRIPTION and SENATE COMMITTEE ACTIONS	COMMITTEE ACTION
1	Presentations on Florida Infrastructure by: - Public Service Commission, Utility Infrastructure - Department of Business and Professional Regulation, Florida Building Commission - Department of Management Services, Statewide Law Enforcement Radio System - Florida Homebuilders Association - City of Sanford		Presented
Other Related Meeting Documents			

Presentation for the
Senate Appropriations Subcommittee
On General Government
Review of Hurricane Preparedness and Restoration



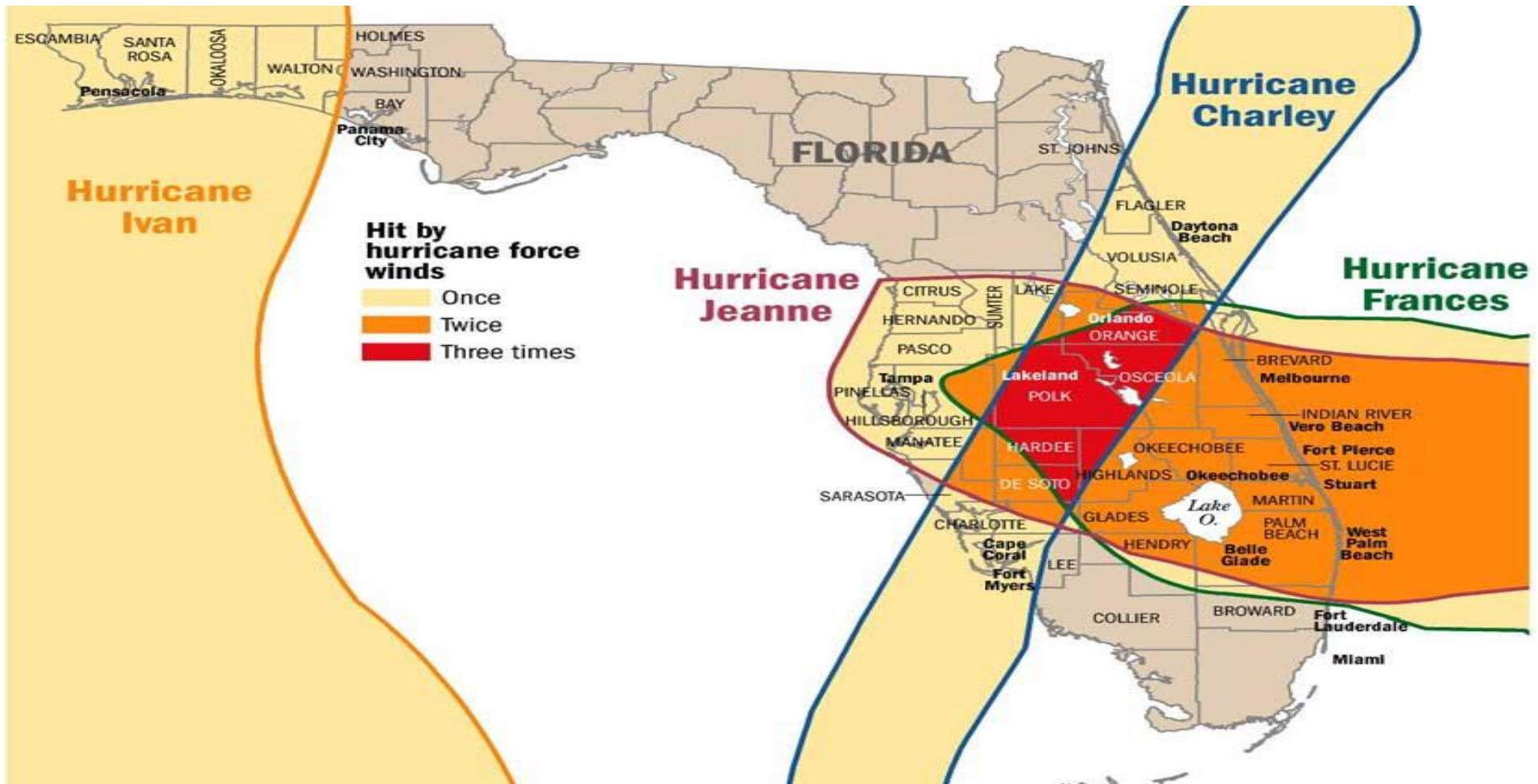
Florida Public Service Commission
October 11, 2017

Overview

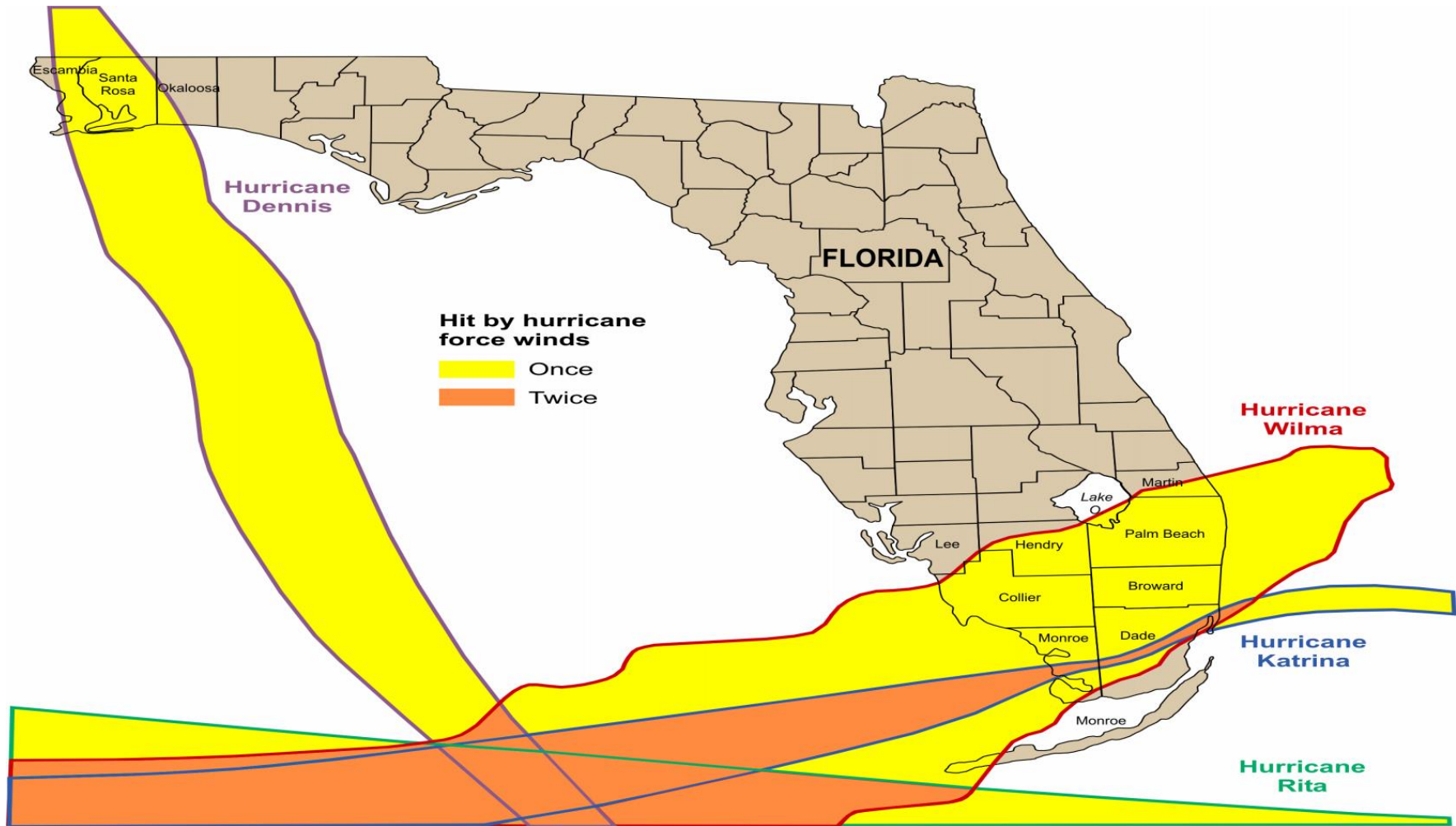
- Background
- Legislative response to 2004-2005 storms
- FPSC response & multi-faceted approach to storm hardening
- FPSC outreach & restoration activities
- Next Steps



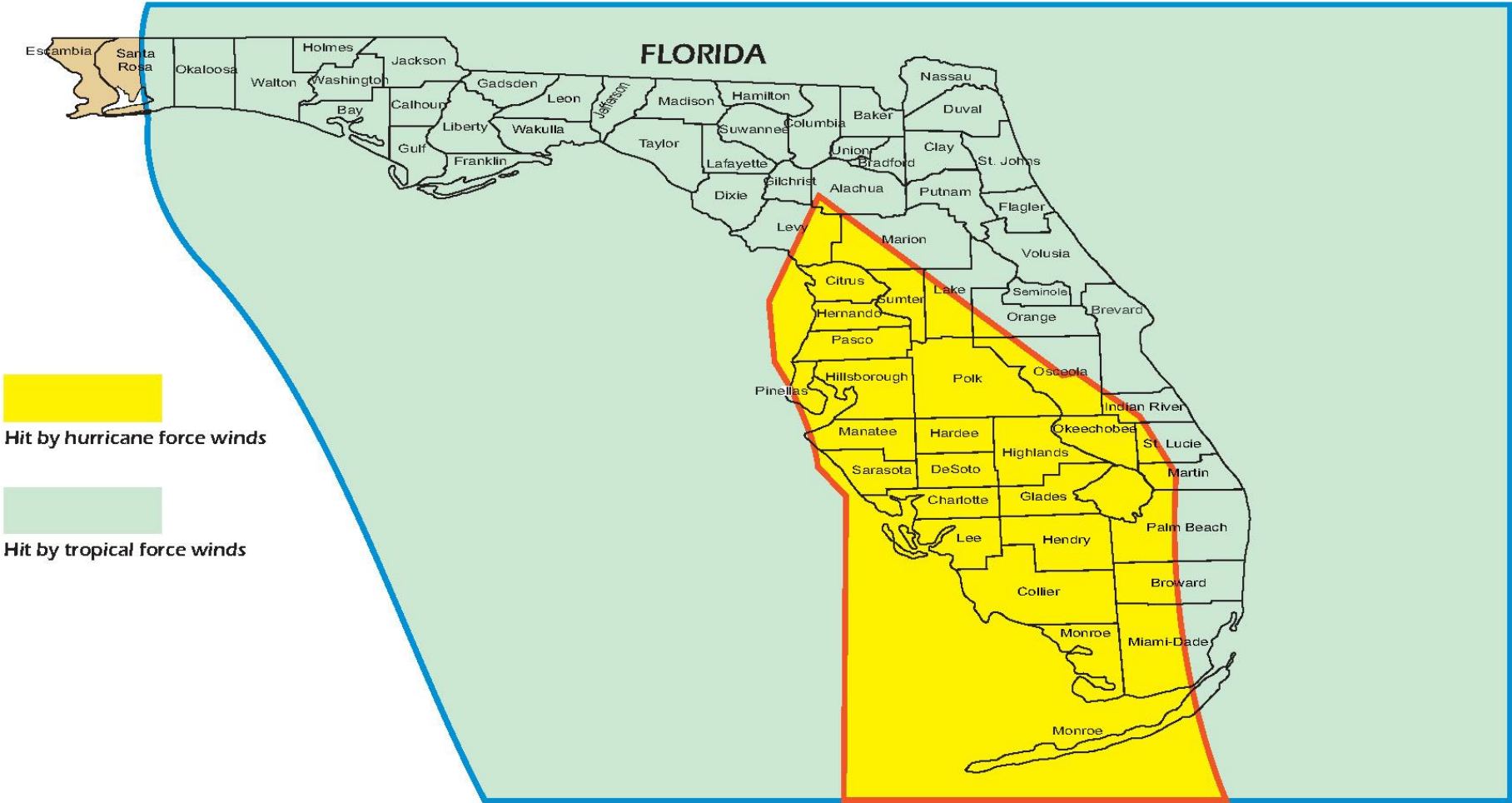
2004 Hurricane Paths



2005 Hurricane Paths



2017 Hurricane Path



Hurricane Irma



Legislative Actions

- In 2006, the Legislature required the FPSC to:
 - ✓ Determine what should be done to enhance the reliability of Florida's transmission and distribution grids during extreme weather events.
 - ✓ The FPSC filed its review with the Legislature on March 1, 2007.
 - ✓ <http://www.floridapsc.com/Files/PDF/Publications/Reports/Electricgas/transmissionreport2007.pdf>



FPSC Actions

- In 2006, the FPSC initiated a multi-faceted approach to hardening the electric infrastructure.
- In July 2007, the FPSC filed a second report with the legislature detailing its approach to storm hardening.
 - ✓ <http://www.floridapsc.com/Files/PDF/Utilities/Electricgas/EnergyInfrastructure/UtilityFilings/docs/stormhardening2007.pdf>



Additional Initiatives

- Annual hurricane preparedness briefings.
- Require utilities to inspect 100% of wooden poles on an eight year cycle. Results reported annually.
- Additional distribution reliability reporting for IOUs, Munis, and Coops.
- Adopted rules to require distribution facilities be located in readily accessible and safe locations.
- New rules that require IOUs to file storm hardening plans for review every 3 years.
- New rules and tariffs to promote the undergrounding of distribution facilities



FPSC's Multi-faceted Approach

➤ Ten storm preparedness initiatives:

- 1) Three year trim cycle for distribution circuits
- 2) Audit of joint use attachments
- 3) Six year transmission structure inspections
- 4) Hardening existing transmission structures
- 5) Develop a transmission and distribution geographic information system
- 6) Collection of post-storm forensic data
- 7) Collection of overhead vs. underground system performance
- 8) Increased coordination with local governments
- 9) Collaborative research on wind and storm surge effects
- 10) Develop a natural disaster preparedness and recovery plan



Ongoing Outreach

- April 20, 2017 Hurricane Preparedness Roundtable
- The current and past presentations are available on the FPSC's website:
<http://www.floridapsc.com/ElectricNaturalGas/HurricanePreparationWorkshops>
- FPSC webpage
<http://www.floridapsc.com/ConsumerAssistance/HurricaneHouse>
- Florida Be Prepared provides a check list for customers in case of a power outage:
<http://www.floridapsc.com/Files/PDF/Publications/Consumer/Brochure/BePrepared.pdf>
- FPSC continuing outreach at customer meetings and consumer outreach events.



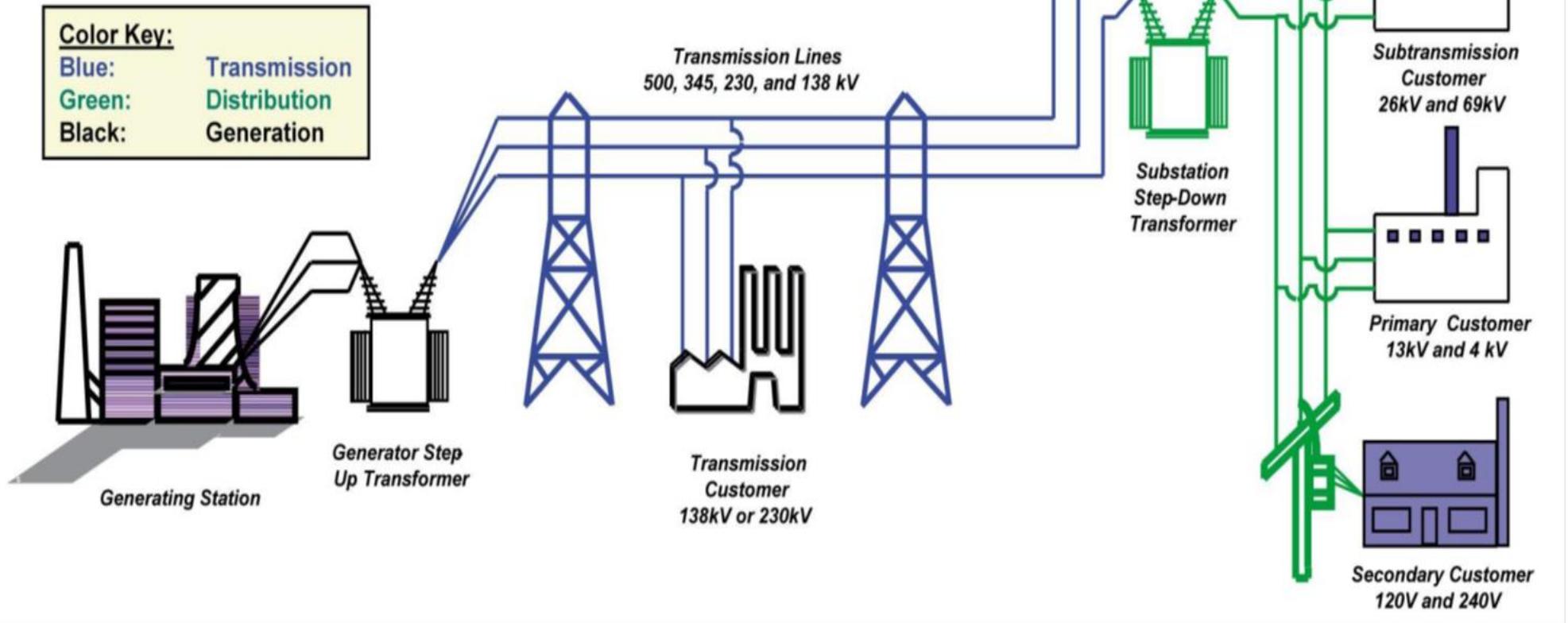
Restoration

- During an emergency/disaster situation, the FPSC provides staffing of Emergency Support Function 12.
- Maintain communication with utility representatives to determine response and recovery needs, and to assist support agencies and organizations to identify emergency shelter power needs or other emergency power needs.



Restoration

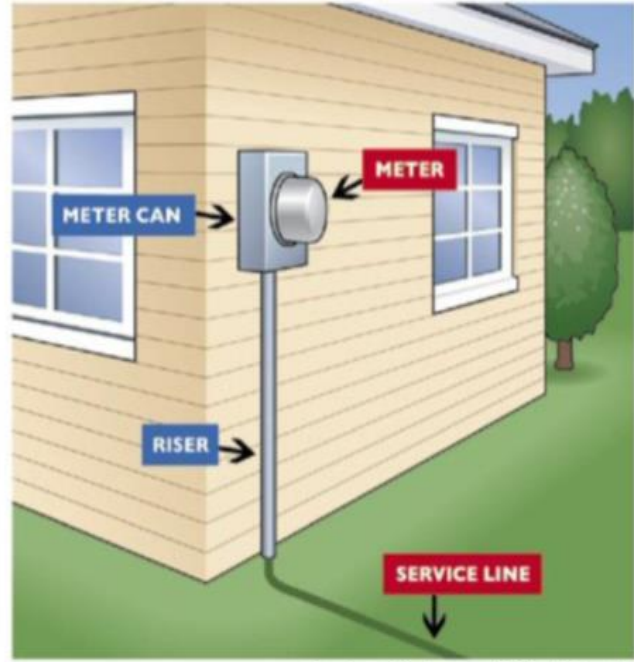
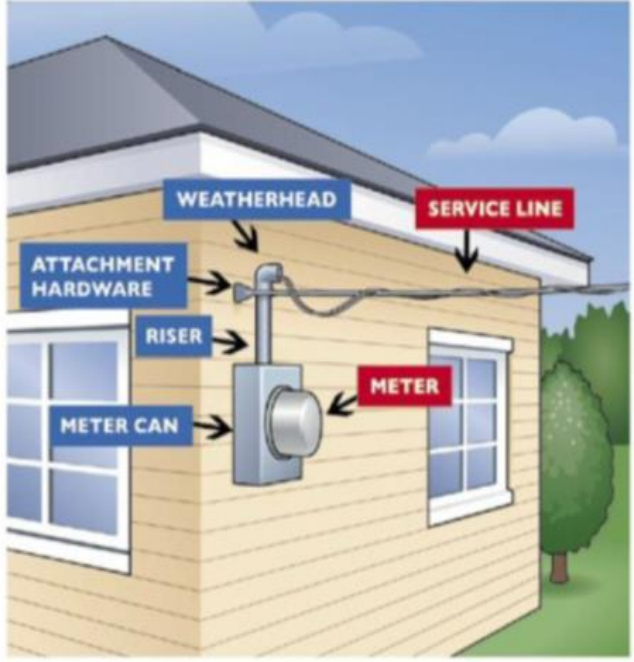
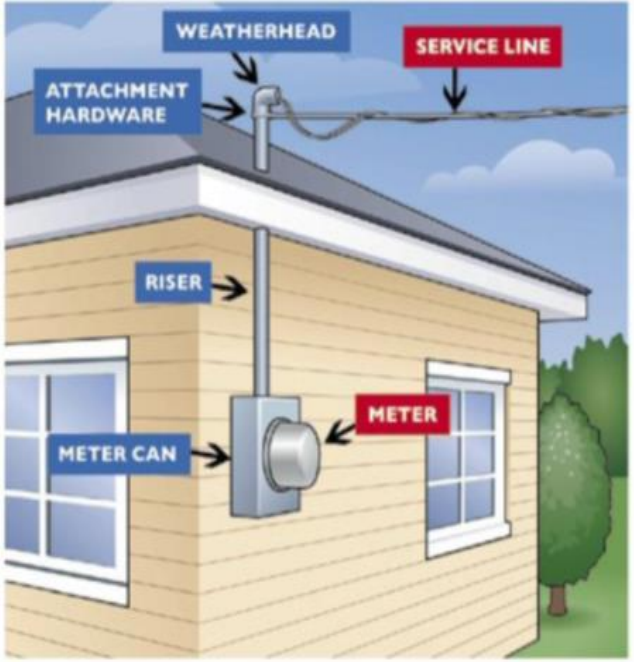
Basic Structure of the Electric System



Restoration

WHO IS RESPONSIBLE FOR FIXING WHAT?

If your electrical components are damaged, you may be responsible for repairs. Identify your type of service connection below to learn what your responsibilities are.

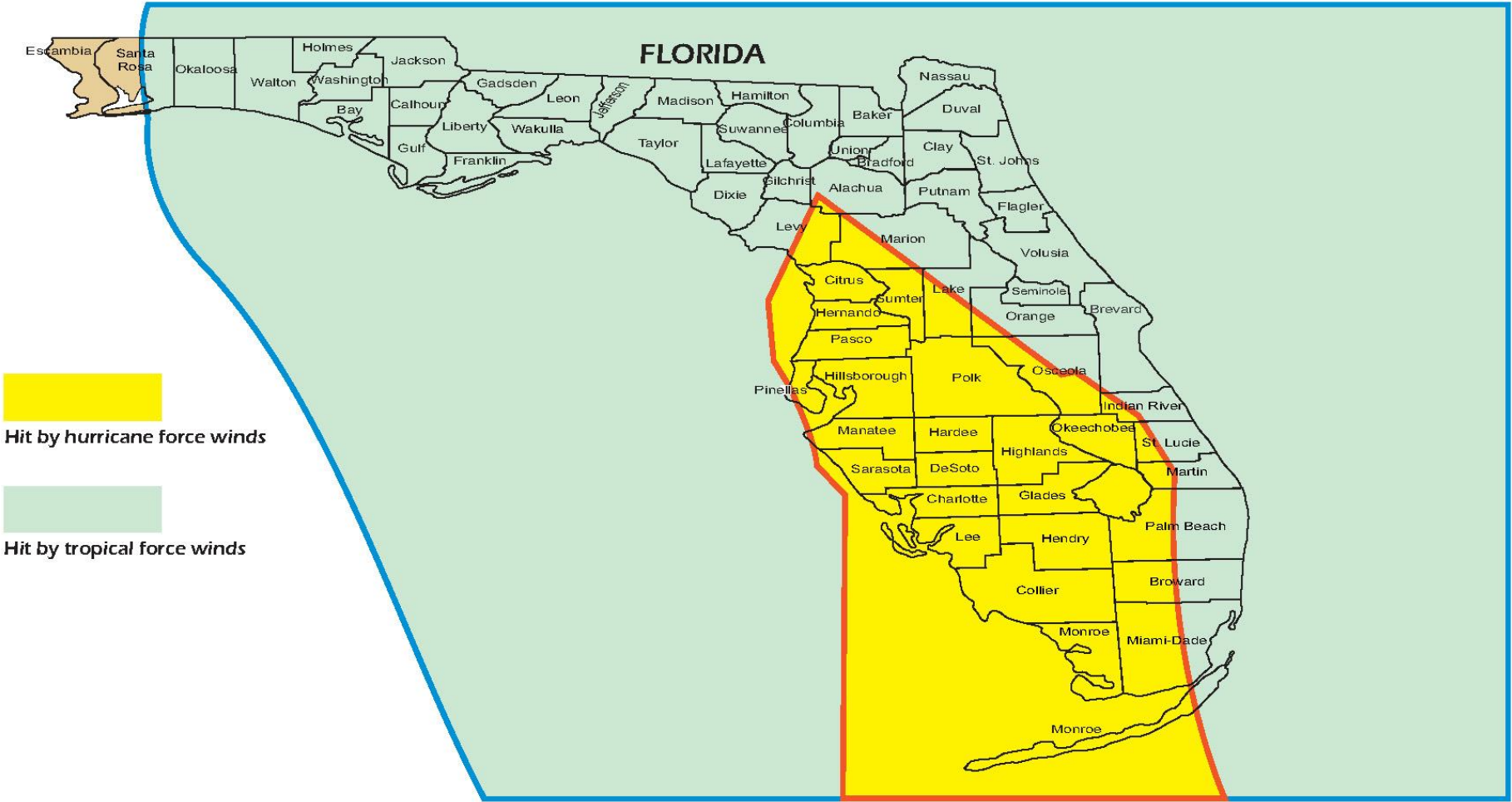


Courtesy: Kissimmee Utility Authority

CUSTOMER RESPONSIBILITY **UTILITY RESPONSIBILITY**



2017 Hurricane Path




Hit by hurricane force winds


Hit by tropical force winds

Hurricane Irma



Next Steps

- On October 3, 2017, the FPSC directed its staff to open a generic docket (20170215-EU) to review utility hurricane preparedness and restoration activities.
- An objective is to collect and analyze forensic data, review tree trimming practices, and review pole inspection cycles to assist in identifying potential additional damage mitigation options.
- The FPSC will also review restoration practices for potential improvements.
- A generic docket provides a publicly accessible vehicle for the FPSC to collect information from the utilities and stakeholders, including customers.



Questions?





Paul Waters

Deputy Secretary of Professional Regulation

Florida Building Code

Senate General Government
Appropriations Subcommittee
October 11, 2017

History of the Florida Building Code

- Prior to 1992, more than 400 local governments were responsible for building codes.
- 1992 - Hurricane Andrew revealed the deficiencies of the State's existing building codes.
- 1998- The Florida Building Code Commission was created.
- 2002- The first edition of the Building Code went into effect, which created one unified code.
- 2017- The Sixth Edition of the Building Code goes into effect on December 31, 2017.

Florida Building Commission

- Composed of 27 members who are appointed by the Governor:

Architects	Engineers	Contractors
Fire Protection	Building Officials	Product Manufacturers
Insurance Industry Representatives	Public Education Representatives	Green Building Representatives

- Meets every six weeks across the state.
- The Commission's Responsibilities include:
 - Adopt and update the Florida Building Code
 - Issue interpretations of the Building Code through declaratory statements
 - Approve training courses
 - Approve construction products for statewide use

Hurricane Specific Code Provisions

- Minimum requirements for:
 - Water resistance of exterior walls
 - Wind requirements for windows, doors, roofs and siding.
 - Flood protection
- Creates heightened requirements for debris impact strengths in coastal areas.

Hurricane Research Project

- Annual contract with the University of Florida to perform a survey of buildings damaged by a Category III, IV, or V hurricane.
- Research team is made up of engineering/construction professors, scientists, and graduate students.
- Evaluates and categorizes residential buildings based on structure type, age groups, and amount of damage.
- The research team was deployed to investigate damage caused by Hurricane Irma.
- The final report will be delivered to the Commission by June 15, 2018.

Prior Process of Adopting the Code

- Updated triennially
- Technical committees review model codes and recommend changes to the Building Commission.
- The Building Commission approves a draft Building Code.
- The draft Code goes through several periods of public review and comment.
- The Building Commission approves a final draft of the Code.
- The formal rulemaking process is initiated to adopt the new edition of the Code.

Recent Changes to the Adoption Process

- The passage of HB 1021 (2017) changed the process for developing the Florida Building Code.
- Under the new process, the Florida Building Commission has discretion to incorporate “model codes”. Before HB 1021, incorporation of the model codes was mandatory.
- The first Building Code that will be developed using the new process will be the 7th Edition, Florida Building Code (2020).
- Will the recent changes weaken the Building Code?
 - No, development of future editions of the Building Code will still go through a rigorous development process. Health and safety will remain the top priority.
 - Florida law prohibits weakening wind mitigation and water intrusion standards and must adopt standards required by the Federal Emergency Management Agency (FEMA), the Department of Housing & Urban Development (HUD), and the National Flood Insurance Program (NFIP).



www.myfloridalicense.com

Contact Information

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Legislative Affairs Director
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Statewide Law Enforcement Radio System Hurricane Irma Response



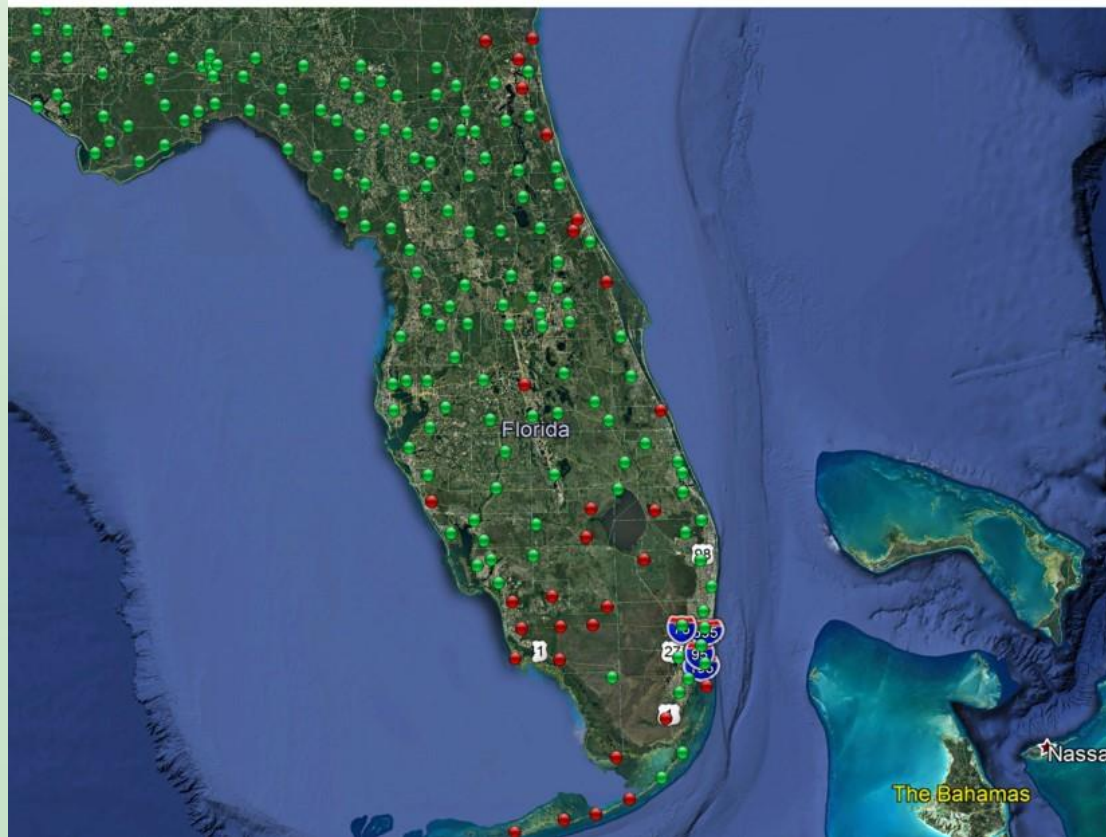
Senate Appropriations Subcommittee on General
Government

October 11, 2017

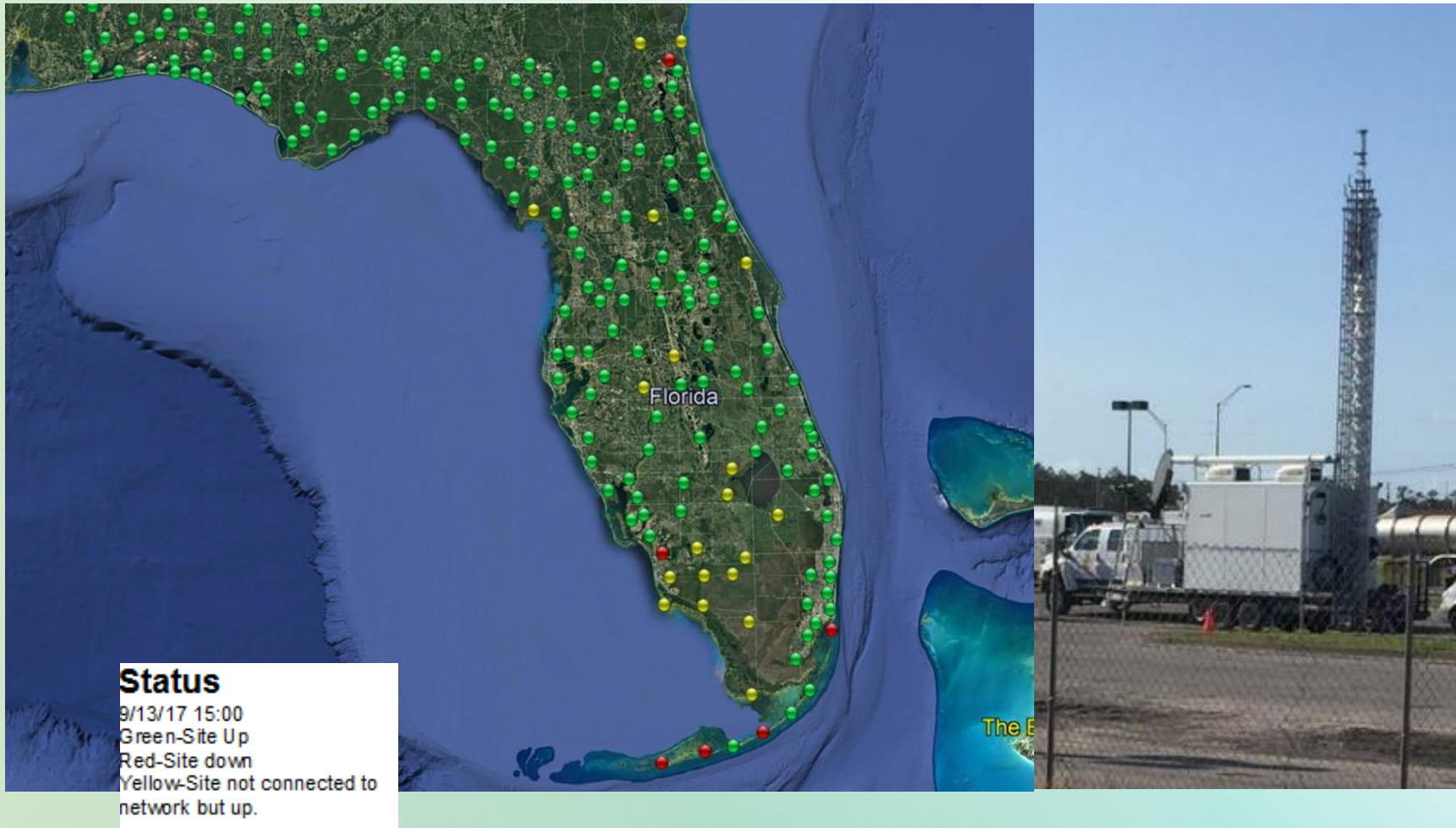
- SLERS is a digital radio network for state law enforcement officers and other participating agencies throughout the state.
- Consists of 219 tower sites.
- SLERS network covers over 60,000 square miles (including 25 miles offshore).
- The current system serves 20,500 radios worn by officers and installed in patrol cars, boats, motorcycles, and aircraft throughout the state.

- The process for SLERS, post-Irma, involved 3 phases: preparation, assessment, and repair.
- Prior to landfall, all tower site generators were operationally tested and fully fueled, replacement equipment was staged, and the Mobile Radio System (MRS) trailers were readied.
- After the storm passed and roads cleared, crews began assessing impacts.
- Post storm, towers had one of four operational statuses:
 1. Green: operational
 2. Blue: operational, on generator power
 3. Yellow: operational, with local connectivity only
 4. Red: non-operational
- Once tower impacts were known, we began the repair process. Crews worked around the clock to restore the system quickly.

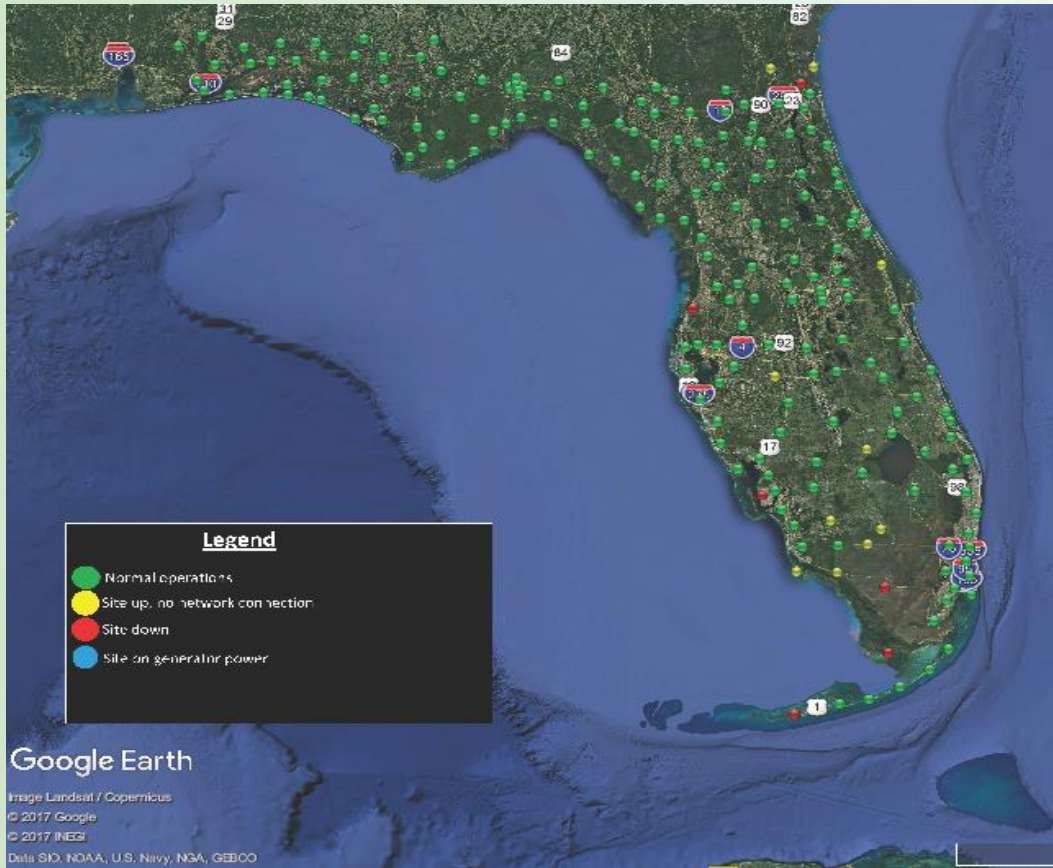




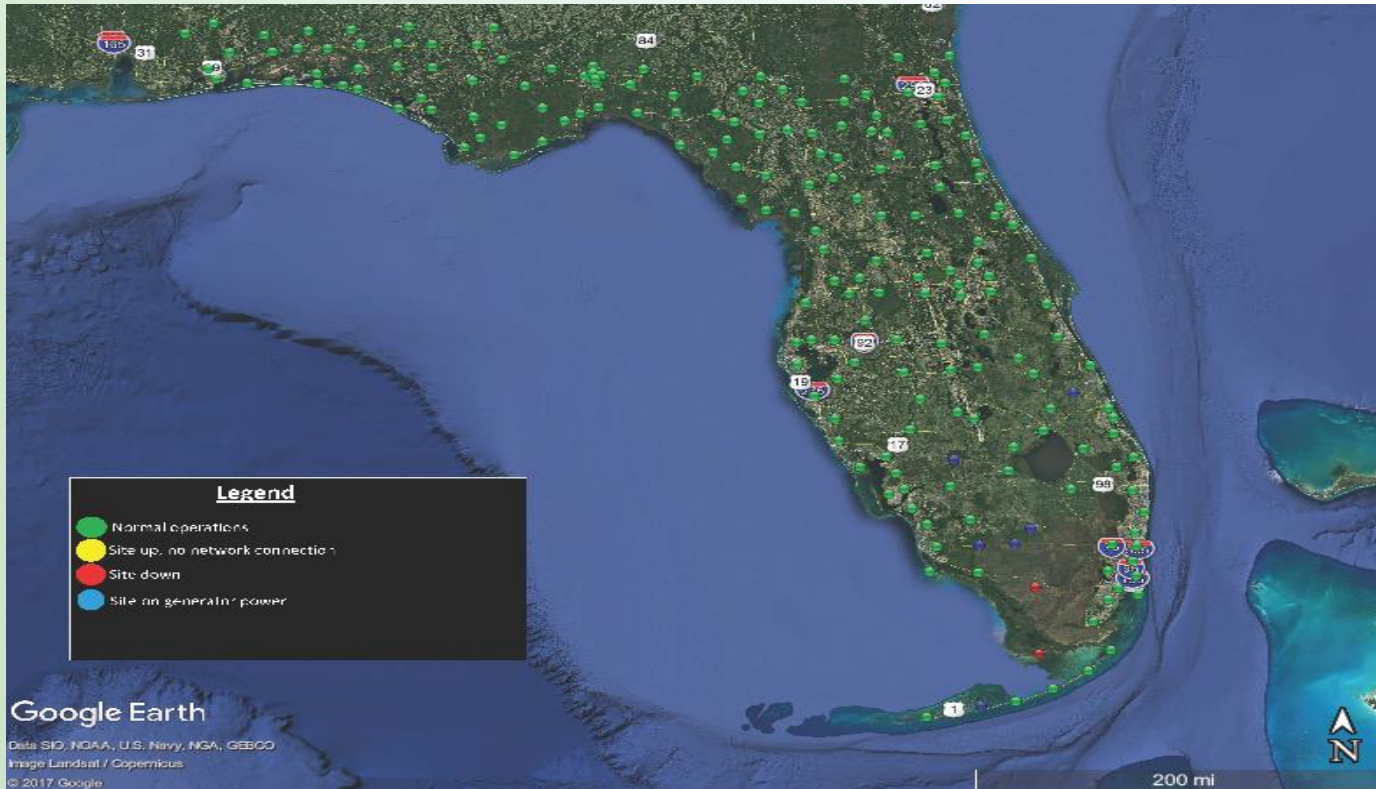
- After Hurricane Irma passed over Florida, initial indications showed 29 SLERS (13.18%) sites were down throughout the state.



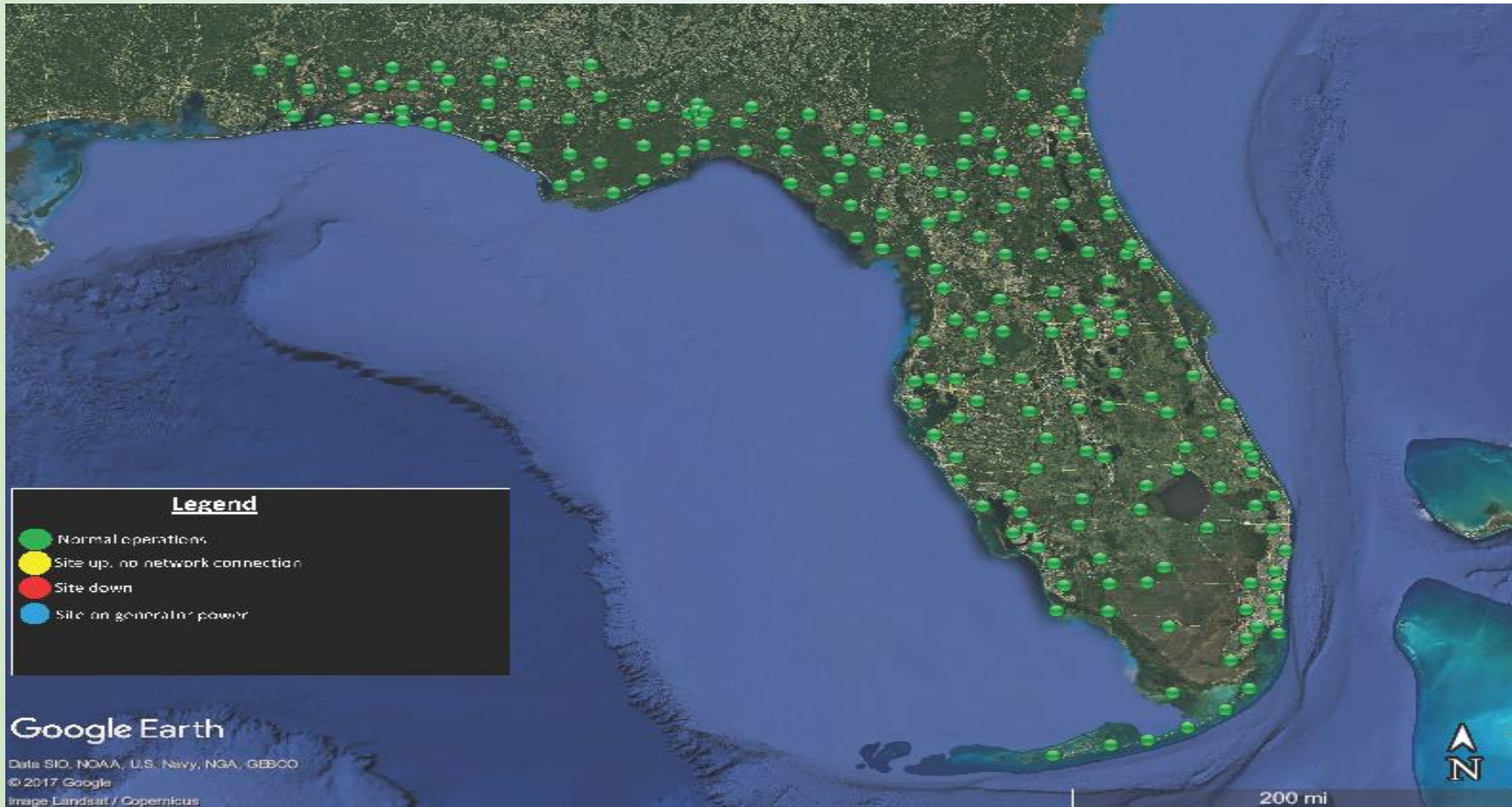
- Major improvement to SLERS network.
- SLERS sites remaining completely down (red): 6 (2.72%).
- SLERS sites locally-connected only (yellow): 19 (8.61%).
- MRS trailer deployed to SW Florida.



- SLERS sites remaining completely down (red): 5 (2.27%).
- SLERS sites locally-connected only (yellow): 10 (4.53%).
- MRS trailer redeployed to the Keys.



- All SLERS towers, besides two, are now operational.
- Two sites, Flamingo and Pinecrest, remain down due to microwave dish damage and the inability to access the site as a result of obstructions and flooding.



- Full connectivity reestablished to all sites September 25.
- Full utility power restored to entire network September 26.



Tower crew attempting to gain access to the Pinecrest site.

FHBA

Responds to Hurricane Irma

IT'S ANECDOTAL

- The FHBA analysis that the Florida Building Code worked is anecdotal at this point—a forensic study will be forthcoming;
- To assure the code was not deficient, teams of code experts will conduct a forensic examination;
 - If they find failures—note: fallen trees are not a code failure—the next step will be to determine why a failure occurred;
 - Was it built prior to current code? Or was it a workmanship issue?
- If a code failure is found, then adjust code standards.
- This occurred post-2004-05 Hurricanes
 - Water intrusion was a problem so FHBA supported a code change that wasn't in the International Building Code.

THE BUILDING CODE PROCESS WORKS

- The success of the Florida Building Code is much more than implementation of a book of standards;
 - It also relies on inspectors and contractors being trained to a single document so that code compliance is achieved, something that didn't happen until after Hurricane Andrew.

PRESS REPORTS OF THE FLORIDA BUILDING CODE EFFECTIVENESS

SAINTPETERSBLOG

LIFE AND POLITICS FROM THE SUNSHINE STATE'S BEST CITY



Syd Kitson: Proud to be a Floridian

— by Guest Author



Storms are a fact of life for the 20-plus million that call our state home. Mother Nature reminded us that Hurricane Irma made her on the first major hurricane to make Florida since Wilma in 2005.

Before and after Irma's impact, Floridians responded. With Gov. Rick Scott's leadership, Florida safely

encouraging. For Irma, teams of building code experts will be conducting a deep dive looking at code performance and will continue to learn and improve, but one thing is for certain, the homes built under the current Florida Building Code performed remarkably well. Special thanks to the leaders of the Florida Home Builders Association and the Association of Florida Community Developers for working to make Florida stronger.

THE WALL STREET JOURNAL

Home World U.S. Politics Economy Business Tech Markets Opinion Life & Arts Real Estate

Homes Built to Stricter Standards Fared Better in Storm

Florida owners benefit from homes built to more-stringent codes: "Tree branches bounced off of our roof, fine."



Ms. Carr credits the more-stringent building code with saving her home and their lives.

"For anyone who doubts these codes, I invite them to sit in a pre-code structure in a Category 3 storm or higher," she said.

"Florida significantly strengthened its defenses after hits from past major hurricanes, and those improvements were instrumental in helping the state weather this potentially devastating storm," Levy notes. "As a result, damage to Florida commercial real estate is relatively minor outside of the Keys."

NATIONAL REAL ESTATE
Investor.

OFFICE

Stricter Building Codes Saved Florida's Commercial Buildings from Irma's Wrath

Single-family houses bore the brunt of Hurricane Irma's fury.

Patricia Kirk | Sep 29, 2017

HOW DID THE CODES PERFORM AFTER IRMA?

- FHBA believes the code passed the test based on preliminary research;
- Solicited opinions from smaller custom builders, firms that market workforce housing, publicly-traded home-building firms and insurance companies.

BARRIERS TO REBUILDING FLORIDA

WORKFORCE ISSUES

- The construction industry was experiencing a shortage of workers before Hurricane Irma (and Harvey);
- Due to the statewide impact of Hurricane Irma(37 counties),the construction industry workforce will be stretched thinner with ongoing rebuilding efforts;
- FHBA along with other statewide construction associations will be seeking legislation this session to create a permanent Workforce Coalition to coordinate and promote careers in construction.

BARRIERS TO REBUILDING FLORIDA

INSURANCE ISSUES

- The Governor's Executive Order allowing contractors to do a re-roof has an insurance glitch;
 - Policies with roofing exclusions will NOT provide coverage for contractors;
 - A separate policy could be written provided the contractor meets underwriting guidelines, however, the guidelines are nearly impossible to meet on a temporary basis;

BARRIERS TO REBUILDING FLORIDA

TRIAGE ISSUES

- In the first few days following the storm, some contractors were unable to mobilize crews to triage houses due to limited access to fuel;
- Additionally, contractors had difficulty locating blue tarps immediately;

THANK YOU

for the opportunity

THE FLORIDA SENATE

APPEARANCE RECORD

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

10/11/17

Meeting Date

Bill Number (if applicable)

Topic Building Code

Amendment Barcode (if applicable)

Name Paul Waters

Job Title Deputy Secretary of Professional Regulation

Address 2601 Blairstone Rd

Phone (850) 487-4827

Street

Tallahassee

FL

State

32399

Zip

Email Jo.Morris@myfloridalicense.com

City

Speaking: For Against Information

Waive Speaking: In Support Against
(The Chair will read this information into the record.)

Representing Dept. of Business & Professional Regulation

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.

THE FLORIDA SENATE
APPEARANCE RECORD

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

10/11/17

Meeting Date

N/A

Bill Number (if applicable)

Topic Utility Infrastructure

Amendment Barcode (if applicable)

Name Braulio Baez

Job Title Executive Director

Address 2540 Shumard Oak Blvd

Phone 413-6463

Street

Tallahassee FL 32399

Email bbaez@psc.state.fl.us

City

State

Zip

Speaking: For Against Information

Waive Speaking: In Support Against
(The Chair will read this information into the record.)

Representing Florida Public Service Commission

Appearing at request of Chair: Yes No

Lobbyist registered with Legislature: Yes No

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10/11/2017

Meeting Date

Bill Number (if applicable)

Topic Statewide Law Enforcement Radio System Hurricane Irma Response Amendment Barcode (if applicable)

Name Robert Downie

Job Title Deputy Director, DMS Division of Telecommunications

Address 4050 Esplanade Way

Street

Phone 850-944-6535

Tallahassee

City

FL

State

32399

Zip

Email james.ballas@dms.myflorida.com

Speaking: For Against Information

Waive Speaking: In Support Against
(The Chair will read this information into the record.)

Representing DMS Division of Telecommunications

Appearing at request of Chair: Yes No

Lobbyist registered with Legislature: Yes No

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S-001 (10/14/14)

THE FLORIDA SENATE
APPEARANCE RECORD

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Oct 11, 2015
Meeting Date

Bill Number (if applicable)

Topic Codes to Infrastructure

Amendment Barcode (if applicable)

Name Rusty Payton

Job Title CEO Florida Home Builders Assoc.

Address 2600 Centennial Blvd.
Street

Phone 850-567-1073

Tallahassee FL 32317
City State Zip

Email rpayton@fhba.com

Speaking: For Against Information

Waive Speaking: In Support Against
(The Chair will read this information into the record.)

Representing Florida Home Builders Association

Appearing at request of Chair: Yes No

Lobbyist registered with Legislature: Yes No

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THE FLORIDA SENATE

Tallahassee, Florida 32399-1100

SENATOR DEBBIE MAYFIELD
17th District

October 6, 2017

Chairman David Simmons
408 Senate Office Building
404 South Monroe Street
Tallahassee, FL 32399-1100

Re: Appropriations Subcommittee on General Government

Dear Chairman Simmons,

I am respectfully requesting an excused absence from the Appropriations Subcommittee on General Government meeting on October 11, 2017, scheduled from 2:00am to 4:30pm.

I appreciate your consideration of this request and I look forward to working with you and the Appropriations Subcommittee on General Government in the future. If you have any questions or concerns, please do not hesitate to call me directly.

Thank you,

A handwritten signature in cursive script, appearing to read "Debbie".

Senator Debbie Mayfield
District 17

Cc: Giovanni Bette, Lisa Waddell, Valerie Clarke, Carolyn Grzan, Diane Suddes

REPLY TO:

- 900 E. Strawbridge Avenue, Melbourne, Florida 32901 (321) 409-2025
- 1801 27th Street, Vero Beach, Florida 32960 (772) 226-1970
- 324 Senate Office Building, 404 South Monroe Street, Tallahassee, Florida 32399-1100 (850) 487-5017

Senate's Website: www.flsenate.gov

JOE NEGRON
President of the Senate

ANITERE FLORES
President Pro Tempore

CourtSmart Tag Report

Room: SB 301
Caption: Senate Appropriations Subcommittee on General Government

Case No.:

Type:
Judge:

Started: 10/11/2017 1:59:50 PM

Ends: 10/11/2017 3:50:04 PM

Length: 01:50:15

1:59:51 PM	Meeting called to order
2:01:47 PM	Chair Simmons, opening remarks
2:13:44 PM	Paul Waters, Deputy Secretary of Professional Regulation, DBPR
2:13:52 PM	
2:19:38 PM	Chair Simmons
2:19:43 PM	Sen. Rodriguez
2:20:41 PM	P. Waters
2:21:00 PM	Simmons
2:21:29 PM	Braulio Baez, Executive Director, Public Service Commission, Utility Infrastructure
2:28:39 PM	Sen. Taddeo
2:28:55 PM	Baez
2:29:07 PM	Taddeo
2:29:12 PM	Baez
2:29:30 PM	Sen. Bean
2:29:48 PM	Sen. Rodriguez
2:30:11 PM	Baez
2:31:29 PM	Rodriguez
2:31:55 PM	Baez
2:32:27 PM	Rodriguez
2:33:45 PM	Baez
2:37:22 PM	Rodriguez
2:39:04 PM	Baez
2:41:37 PM	Rodriguez
2:42:14 PM	Sen. Simmons
2:42:19 PM	Sen. Torres
2:42:37 PM	Baez
2:43:08 PM	Torres
2:43:31 PM	Baez
2:43:42 PM	Torres
2:44:03 PM	Baez
2:44:59 PM	Torres
2:45:16 PM	Baez
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2:51:01 PM	Torres
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3:09:34 PM	Baez
3:10:45 PM	Broxson
3:12:14 PM	Baez
3:13:46 PM	Simmons
3:13:51 PM	Taddeo
3:14:19 PM	Baez
3:15:02 PM	Taddeo
3:15:18 PM	Baez

3:16:54 PM Simmons
3:17:20 PM Sen. Bean
3:19:27 PM Simmons
3:19:52 PM Robert Downie, Deputy Director, DMS Division of Telecommunications
3:23:37 PM Simmons
3:23:56 PM Downie
3:25:02 PM Simmons
3:25:13 PM Downie
3:26:38 PM Torres
3:26:44 PM Downie
3:27:43 PM Torres
3:28:00 PM Downie
3:28:08 PM Simmons
3:28:16 PM Downie
3:28:51 PM Simmons
3:28:54 PM Downie
3:29:33 PM Simmons
3:29:37 PM Downie
3:29:41 PM Simmons
3:29:53 PM Rusty Payton, CEO/Chief Lobbyist of the Florida Home Builders Association
3:37:45 PM Simmons
3:39:36 PM Torres
3:42:46 PM Simmons
3:49:46 PM Meeting adjourned