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BEFORE THE  
FLORIDA PUBLIC SERVICE COMMISSION

In the Matter of:

DOCKET NO. UNDOCKETED

2017 HURRICANE ROUNDTABLE.  
\_\_\_\_\_ /

COMMISSIONERS  
PARTICIPATING:

CHAIRMAN JULIE I. BROWN  
COMMISSIONER ART GRAHAM  
COMMISSIONER RONALD A. BRISÉ  
COMMISSIONER JIMMY PATRONIS  
COMMISSIONER DONALD J. POLMANN

DATE: Thursday, April 20, 2017

TIME: Commenced at 1:35 p.m.  
Concluded at 4:22 p.m.

PLACE: Betty Easley Conference Center  
Room 105-D  
2540 Shumard Oak Boulevard  
Tallahassee, Florida 32301

REPORTED BY: LINDA BOLES, CRR, RPR  
Official FPSC Reporter  
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## P R O C E E D I N G S

1  
2           **CHAIRMAN BROWN:** Good afternoon, everyone.  
3 Thank you so much for being patient with us with the  
4 delay. We have a bunch of folks here today, some  
5 notable people, including -- our first speaker today is  
6 Mr. Leo Lachat from the Division of Emergency  
7 Management. We also have with us from the -- who is the  
8 director of the Florida Division of Emergency  
9 Management, Mr. Bryan Koon, who is here with us behind  
10 me, who has played a very active role in our overall  
11 discussion that we're going to have here today.

12           We have with us Mr. Eric Silagy from FPL,  
13 president and CEO; Mr. Stan Connally, chairman,  
14 president, and CEO of Gulf Power; Mr. Gordon Gillette,  
15 president and CEO of Tampa Electric Company; Mr. Harry  
16 Sideris, state president from Duke Energy Florida. And  
17 it's nice to see you and have you here in our public  
18 forum here today. He -- I know he just started with  
19 Duke Energy Florida back in November, so this is a nice  
20 opportunity.

21           **COMMISSIONER PATRONIS:** He's Greek.

22           **CHAIRMAN BROWN:** Is he?

23           **COMMISSIONER PATRONIS:** He's Greek.

24           **CHAIRMAN BROWN:** That's a very important fact.

25           **COMMISSIONER GRAHAM:** Are you going to

1 translate for us?

2 **CHAIRMAN BROWN:** We have Mr. Jeffry  
3 Householder here with FPUC, president. We have with  
4 us -- we have two special guests with us who were not at  
5 the last roundtable last year. From the Florida  
6 Municipal Electric Association, Ms. Amy Zubaly. I hope  
7 I pronounced it correctly.

8 **MS. ZUBALY:** Zubaly.

9 **CHAIRMAN BROWN:** Zubaly. Thank you. Thank  
10 you for being here, Interim Executive Director. And  
11 from the Florida Electric Co-Ops Association, Mr. Bill  
12 Willingham, general manager.

13 I want to just take an opportunity, first and  
14 foremost, to thank you all for being here today. It's a  
15 very important topic, hurricane preparedness. We  
16 started this tradition last year having a roundtable  
17 discussion with the executives from the electric IOUs,  
18 and we had Leo here as well, to kind of go over some of  
19 the things and hear first-hand from the executives on  
20 how your efforts are on strengthening the electric grid  
21 and distribution system and really focusing on what the  
22 utilities are doing to communicate with customers  
23 post-restoration and also the prepared -- the hurricane  
24 prepared efforts.

25 I do want to say -- thank you, oops -- I do

1 want to say that on a national level our Florida IOUs  
2 are the leaders in this area, so it's really a treat to  
3 get to hear from you all first-hand, and I appreciate  
4 you supporting our efforts here today. I appreciate my  
5 colleagues also for supporting these efforts.

6 And with that, we're going to hear a few  
7 presentations today, starting with Mr. Leo Lachat. And  
8 you don't have to read from them, but it's very, very  
9 relaxed here. We tend to interrupt and ask questions,  
10 so don't take it as an affront or anything of that  
11 nature.

12 **MR. LACHAT:** No. Thank you, Chairman, and  
13 thank you, Commissioners. This actually, for me, is  
14 the -- I think this is the third time I've briefed you,  
15 and we again appreciate including us in this. It's been  
16 excellent. Last year, when we did the briefing last  
17 year, obviously we didn't know what we had in front of  
18 us. So since that time, now we can look back on two  
19 landfalling hurricanes in Florida, the first since 2005,  
20 and we've learned a lot more lessons from them since the  
21 preceding activations.

22 And I've got a number of slides I'm going to  
23 go through here. I promise these are going to go very  
24 quickly. I know there's a lot of them, but I'm going to  
25 zip through them. But I think you'll get an

1 appreciation now that you've had a recent event, and  
2 especially the next speakers that will be addressing you  
3 also, to see how we're organized and how we work. So  
4 let me go through these now very quickly.

5 The Division of Emergency Management,  
6 basically we're housed over at the facility across the  
7 street, the state EOC. Our mission statement is pretty  
8 simple, and it includes the four phases of emergency  
9 management, as I've mentioned in the past to you:  
10 Preparedness, response, recovery, and mitigation, the  
11 four cyclic pieces of emergency management.

12 Real simple, Chapter 252 is our statute that  
13 we follow. There's a lot of things connected to that  
14 such as the governor's authority under constitutional  
15 powers for executive orders and emergency powers. But  
16 Chapter 252 is really our -- that's what allows us to  
17 exist and how we operate.

18 The Comprehensive Emergency Management Plan is  
19 what we focus on in Florida. That is our overall  
20 all-hazards event, all-hazards planning in Florida, and  
21 it connects up to all-hazards planning at all  
22 67 counties. And then in turn that plan connects to the  
23 federal government, to the national response framework.  
24 So there's a very coordinated planning framework in  
25 place from the federal government to the state to the

1 local governments, the county level.

2 In Florida, emergency management is very  
3 county centric. Okay? The state gets very involved in  
4 it when multiple counties are involved or the federal  
5 government or it's an absolutely massive event that we  
6 have to get into, but most of the time in Florida  
7 day-to-day emergency management is very county centric.

8 Our operational regions in Florida are  
9 identical to FDLE and Health, and that's specifically  
10 for a reason. We have coordinated those since 9/11.  
11 They are identical in geographic areas. We have  
12 seven of them. We have staff in those regions that work  
13 with those specific counties, so we have folks in the  
14 field all the time.

15 These are some of the other things that we  
16 deal with at emergency management. Historically people  
17 think, well, you're the hurricane guys and all that.  
18 Well, far from it. We deal with approximately 12,000  
19 incident activities every year. The majority of those  
20 are hazardous materials, spills of some kind, what have  
21 you. The second group would be weather related, and  
22 then it goes downhill from there. We get into all kinds  
23 of transportation accidents: Air, water, you know,  
24 whatever, highway. We get into a lot of other things in  
25 Florida beyond just weather- and hurricane-related

1 activities.

2 Fires right now, the state EOC is a  
3 Level 2 activation. The governor last week issued an  
4 executive order. We're in the process of coordinating  
5 with the Florida Forestry Service. National Guard  
6 helicopter support flying in the Central Florida area.  
7 And based on what their actions are and their  
8 activities, we'll be doing possibly more of that in the  
9 coming months. The outlook for the weather is not very  
10 good right now, so we're doing a lot of work with  
11 Forestry.

12 So these are just a couple of other major  
13 activities or major categories of things that we get  
14 involved in. The bio-terrorism one at the bottom, I'll  
15 mention that. The Anthrax event back in the early  
16 2000s, we were very active in that working with the  
17 county health departments, with the Florida Department  
18 of Health, and with the county emergency management  
19 offices. A lot of white powder incidents and so forth  
20 that came out of that.

21 **CHAIRMAN BROWN:** Leo, when you train for,  
22 let's say -- and I've been there, you know, when you've  
23 had an activation for a hurricane. But when you train  
24 for any -- each of these events, are they different?

25 **MR. LACHAT:** That's a good -- thank you for



1 asking that. Our plan is all hazards in nature. A  
2 different lead agency may lead the -- for instance,  
3 right now Forestry is running the fire episode. In a  
4 bio-terrorism pandemic event it would be the Department  
5 of Health. But the functional nature of what we do at  
6 the state EOC, they all do the same types of things to  
7 support that lead agency. That's really what's  
8 important about what we do over there. Our -- we're set  
9 up to functionally support whatever the incident is, and  
10 it's really identical in that regard.

11           These are some other hazards that we deal  
12 with. You know, the ones on the left are the ones that  
13 are common. Everybody knows those. The ones on the  
14 right is where things get interesting.

15           Terrorism events. We've had two incidents in  
16 the past year: The Pulse event down in the Central  
17 Florida area, and the Fort Lauderdale event down in  
18 Broward County, Fort Lauderdale airport. The state  
19 EOC -- obviously the lead on those was law enforcement  
20 as the crisis management focus. But on the consequence  
21 management side, which is the other piece to all of  
22 these, the state EOC takes a lead on that to support the  
23 counties and the cities involved. And we did activate  
24 the EOC over there across the street in support of both  
25 those counties to provide human services type support to

1 the victims' families and some other things that  
2 occurred. It was a very comprehensive support to those  
3 counties.

4 **CHAIRMAN BROWN:** Commissioner Brisé has a  
5 question.

6 **MR. LACHAT:** Yes, sir.

7 **COMMISSIONER BRISÉ:** Sure. Thank you. So  
8 when we look at the technological hazards, have you all  
9 started to consider or run drills for cyber and the  
10 impacts on cyber, say, on a utility and how the state  
11 would respond to that?

12 **MR. LACHAT:** I'll say more specifically we're  
13 dealing with other partners that work with those types  
14 of activities. There's a number of other entities  
15 connected to us that work on that. And, yes, we're very  
16 involved in those planning and those exercises.

17 Some of the other ones on the right, mass  
18 migration. We just had a large exercise recently in the  
19 South Florida area that dealt with anticipated, you  
20 know, federal planning. We support the federal  
21 government on those issues. We just recently completed  
22 another one this year.

23 Special events this year already. We  
24 supported the BCS National Championship game working  
25 over there with Hillsborough County over in the Tampa

1 area, and then the Pro Bowl in Orlando. Okay? We don't  
2 get to go to those events, so it --

3 **CHAIRMAN BROWN:** That's a shame.

4 **MR. LACHAT:** Yeah, it sounds like it would be  
5 fun. But we get to do a lot of work with them. And we  
6 also do things like support the Speedway in Daytona  
7 Beach when they have large events. And this is really  
8 the human services part, and the consequence planning is  
9 what we're involved in.

10 Launches at the Cape, large launches, we  
11 support Brevard County and we activate -- or they  
12 activate and we're in support of them. We get feeds  
13 from NASA at the state EOC. So we're very aware of  
14 things going on around the state constantly. So this  
15 just simply shows you the extent and breadth of what we  
16 do over there. There's a lot more than hurricanes.

17 And I put this one up if anyone has any  
18 doubts. We show this one for shock effect. This is  
19 just all the -- NOAA put this chart together. This is  
20 all the known tracks since about the mid-1800s. If  
21 anyone from Maine to Texas doesn't think there's a  
22 hurricane threat, they need to look at this.

23 The State Emergency Response Team is not an  
24 agency, and that's what makes -- I want to really  
25 emphasize this part, I have in the past, but this is

1 what makes us, I think, very important and valuable.  
2 The way we're organized over there is not under an  
3 agency. The State Emergency Response Team is all the  
4 agencies and partners combined. DEM, the Division of  
5 Emergency Management, is responsible for managing it and  
6 organizing it. But when we activate it, it's really  
7 owned by all of the partners together. So while we have  
8 the -- we have the privilege of running it and operating  
9 it, our experts really come in from other agencies: The  
10 health people, the folks from the PSC. For instance,  
11 your ECO is Rick Moses, and he comes in and does an  
12 excellent job working with one of the functions. We'll  
13 go through those in a minute. We have --

14 **CHAIRMAN BROWN:** He just got our most notable  
15 award called the Gunter Award.

16 **MR. LACHAT:** Good, good.

17 **CHAIRMAN BROWN:** So he -- we have recognized  
18 him for all of his excellent work.

19 **MR. LACHAT:** Thank you for that. Well,  
20 he's -- it's well deserved.

21 Fire, law enforcement, we'll go through those  
22 here in a minute, the details of those, but we bring in  
23 the expertise so they're all combined in the EOC. And  
24 then that place serves as a command and control element  
25 with the governor basically as the incident commander,

1 and he's got a decision-making process right there at  
2 the EOC. These are decision-makers and people that can  
3 make things happen. So that's what the state EOC is.  
4 But you won't see specific agency names or corporate  
5 names or anything like that in there. It's a  
6 partnership of people we bring together in there to  
7 solve problems.

8 Our activation levels -- right now we're at  
9 Level 2, but that's because of the fire declaration. A  
10 Level 1 is what we would have been at for the two  
11 hurricanes. Those are full-blown, all ESFs onboard.

12 I just mentioned a few of the emergency  
13 support functions, and this really is a value to where  
14 we are. Prior to Hurricane Andrew, or Hurricane Andrew  
15 included, everything was agency based. Okay? And  
16 that's the way it really was across the country. So you  
17 would go into an EOC such as ours and you would see the  
18 Highway Patrol, FDLE, the Department of Health, and as  
19 the missions came in from the counties and they were  
20 solving problems, those missions would get handed to an  
21 agency. So every time there was a road issue, guess who  
22 got the mission? FHP or -- if it was that type. But if  
23 it was a law enforcement-related road, it went to FHP,  
24 and over and over and over again.

25 When we went to the ESF system, we pulled all

1 the functional law enforcement in every state agency  
2 together and we added the Florida Sheriffs Association  
3 and the Police Chiefs Association. And now  
4 representatives of those groups, to use that as an  
5 example, form a matrix group, and then they solve it  
6 using law enforcement from any agency. It doesn't just  
7 have to be one specific agency or another.

8 So the next time a traffic call might come in,  
9 it may be two game and fish officers, Florida Wildlife  
10 Commission, and it may be two lottery officers because  
11 they're sworn law enforcement and they have the same  
12 authority and powers as any other.

13 So what that -- by doing that, it maximizes  
14 the use of resources in the state of Florida. It allows  
15 us to use resources that are deployed all over the state  
16 for a quicker response and we're not just wearing out a  
17 few agencies. Now it's all coordinated. Well, if you  
18 carry that through every one of these 18 functions I'm  
19 showing you here, that's the main difference of what has  
20 happened in the last several decades since Andrew. The  
21 main improvement is the structure.

22 There's a few more of them. Mass care, that's  
23 our sheltering. Go on down the line. Urban search and  
24 rescue, the Fire Marshal's office primarily runs that  
25 one, but it's a combination of others. Hazmat.

1           **CHAIRMAN BROWN:** PSC.

2           **MR. LACHAT:** PSC is No. 12, energy. Okay?

3           And when you go over to the state EOC, what  
4           you have in that room over there at ESF 12 are  
5           representatives from the utilities, the power companies,  
6           you have your staff, you have other partners. And it's  
7           not necessarily an agency or logo base, it's a function.  
8           We're getting power restored. That's really what the  
9           effort is. And so that gets carried out as an example  
10          for the rest of them.

11          Here's the last of them here. Animal  
12          protection was put in after the fires in 19 -- or the  
13          flooding events back in 1998 and the fires because we  
14          had a lot of animal issues in the state of Florida with  
15          animals running loose in ranges in Central Florida, so  
16          we added 17. And 18 was added after the '04/'05 season  
17          when we saw how important the business and private  
18          community -- private sector was to our operation. So  
19          that's been in effect since that time.

20          Our organization is really simple. We're in  
21          sections and branches. If you go into the EOC, you're  
22          going to see a very, very simple span of control,  
23          economy of management approach to command and control in  
24          there. We're not overwhelming people. We focus on  
25          subject matter experts. Bryan Koon is the state

1 coordinating officer, also is a director, but the state  
2 coordinating officer is a legal designated role in the  
3 executive order. And then I serve as the State  
4 Emergency Response Team chief in the state EOC, just  
5 making that all work in there. But the subject matter  
6 experts again are the folks in there from the agencies.  
7 I count on them to answer the hard questions.

8 Very simple layout. This is in the EOC as  
9 well. The only thing that changes from what I just said  
10 is our four sections: Operations, planning, logistics,  
11 and finance. That's county through federal government  
12 layout. We do it the same, incident command system.

13 A couple of principles, and I'm kind of  
14 wrapping it up here, but these are the principles that  
15 we tried to follow since lessons learned in -- and this  
16 goes back decades, maybe to the mid-'90s. We have  
17 picked up on the following that I'm about to share with  
18 you.

19 Disasters are local, and that sounds really  
20 simple, but the thing that we try to follow there is if  
21 we go in and take over or try to overwhelm a local  
22 government, when you leave, you'll leave them in worse  
23 shape. So we try to go in and complement the local  
24 government, make sure they can pick it up and run. We  
25 don't go in and usurp anything, powers or whatever



1 authority. We try to go in and complement what they're  
2 doing. That is a -- this is really a big deal in  
3 Florida.

4 **CHAIRMAN BROWN:** Leo, can I just ask you a  
5 question on that?

6 **MR. LACHAT:** Sure.

7 **CHAIRMAN BROWN:** So -- and joint coordination  
8 is critical to getting that successful message out, I  
9 guess, and also to being able to communicate with  
10 customers on the restoration times, et cetera.

11 **MR. LACHAT:** Right.

12 **CHAIRMAN BROWN:** How do you think from this  
13 past hurricane season the coordinating efforts are  
14 produced -- how are they? How are they?

15 **MR. LACHAT:** On several levels. The  
16 coordinating elements with the counties and the state  
17 EOC is excellent. We can coordinate on the emergency  
18 management side very well. We learned a lot of lessons  
19 this year via ESF 12 and the messaging. And I think you  
20 may hear about some of that today as well, but we  
21 learned a lot about that. And I think there was a lot  
22 of positive movement on that issue, both messaging, the  
23 approach to doing restoration. I know the EOC was  
24 working very hard to support the companies and what they  
25 were trying to do on the basis of just the overall

1 restoration activity. You want to make sure you have  
2 re-entry to the community, access to the area, that it's  
3 done safely. That's really what we're after at this  
4 point, that we could support the movement of vehicles  
5 and so forth in from out of state into the disaster  
6 area. We played a lot of role in that as well over at  
7 the state EOC. You'll probably hear those kinds of  
8 things when the companies speak as well.

9 **CHAIRMAN BROWN:** Well, from your perspective,  
10 and I had the opportunity to be there for Hurricane  
11 Matthew, and you all just did such a very, very smooth  
12 job and it seemed so calm even though there were so many  
13 things going on in so many areas. Are your efforts  
14 to -- for preparedness and for your drills, are they  
15 going to change from last year's hurricane --

16 **MR. LACHAT:** We went through a very extensive  
17 after-action report.

18 **CHAIRMAN BROWN:** -- hurricanes?

19 **MR. LACHAT:** Yes. We went through a very  
20 extensive after-action process after Matthew and after  
21 Hermine as well, and we have captured those lessons  
22 learned.

23 We have a number of things we're going to be  
24 re-looking at. I'll mention a few of them right  
25 upfront. Evacuations is an area that we want to take

1 another closer look at. We've done a great job with  
2 that and we've done a great job preparing for it. And  
3 the modeling that we have done and the things that we  
4 have learned over time are a credit, but we want to work  
5 on that a little more closely with our counties.

6 Matthew was a very, very difficult track  
7 because of what it did up the East Coast. That was a  
8 very hard track. You know, 20 something years of this  
9 and almost 100 declarations I've been involved with,  
10 that was a very difficult one. Fran and Floyd gave us  
11 similar concerns in the past.

12 The problem with, the problem with Matthew,  
13 though, if you looked at where the tropical storm winds  
14 ran over the peninsula, they went all the way clearly  
15 over to the West Coast on some of those tracks as it was  
16 coming north. It was very difficult.

17 But the other issue is to get people away from  
18 flood zones. That was really the main issue that we  
19 were focused on working with the counties. We're going  
20 to relook at some of those.

21 Another issue that we're looking at closely is  
22 the sheltering. Sheltering capacity is something that  
23 we work very hard on at the division working with the  
24 counties. But it's the support of those shelters  
25 through agencies such as the Red Cross and Salvation

1 Army and others, and we're working with, we're working  
2 closely, more closely with those folks. There were some  
3 lessons learned about that: The ability to not open as  
4 many, to move some in a different geographic area. But  
5 overall it went very well, but we learned some lessons  
6 about that that we have to readdress.

7 **CHAIRMAN BROWN:** Excellent.

8 **MR. LACHAT:** Things like debris management  
9 after the storm. We're working on that as well with DEP  
10 and some of our other -- our water management districts  
11 and things of that nature.

12 Windblown debris in rivers and water has been  
13 a very, very difficult issue from Matthew because of the  
14 surge on the East Coast and up into the St. Johns River.  
15 So we're working hard on those. So, yes, we've learned  
16 a lot of -- there's a lot of lessons learned from this.

17 Requesting assistance. It can only come from  
18 the governor to the president, chairman to the governor,  
19 mayor up to the chairman. This is Stafford Act right  
20 here, the Stafford Act for emergency management.

21 Our priorities in the first 72 hours, and this  
22 is sometimes what -- you know, people are like, "Well,  
23 why aren't you doing this? Why aren't you doing that?"  
24 This is our focus right here. We are trying to get into  
25 an area, search, security, and stabilization. What does

1 that mean? We want to get the people that are trapped.  
2 We want -- we send in resources to get people out of  
3 homes, get people into the hospital that need medical  
4 attention, get law enforcement into a community to help  
5 stabilize it, get it secure. Okay? We don't want chaos  
6 and disorder in a community.

7 Now this also ties in with what we ask the  
8 public to do for the first 72 hours. Have your food,  
9 have your water, have your pharmaceuticals as best you  
10 can. Because this is what we're focused on at the state  
11 EOC, and we're asking the public to please do what they  
12 can.

13 And then after we are able to do that, we can  
14 start to go into some of the other needs here like  
15 these. We can start to increase medical, water, food,  
16 shelter. So we ask for those 72 hours first from the  
17 public, and then we focus on this. I can hand this  
18 chart to anybody going to the field, and they'll be  
19 successful if they follow these six, these six ideas  
20 right here, these six items. This completely can help a  
21 community if we focus on these for the first week or so.  
22 All right. Those are, those are pretty -- I mean,  
23 they're pretty easy to follow there.

24 We only do ice -- you'll see ice located six,  
25 No. 6. We do that for pharmaceuticals, and that's

1 mostly at shelters. We've never handed out ice just for  
2 the heck of handing out ice. We hand out ice because  
3 there's a medical need or cooling or chilling  
4 pharmaceuticals.

5           Some considerations: Cost-effective, mistake  
6 free, and fast. We get to pick one in this business.  
7 Okay? We'll never have all three. That water was  
8 actually moved from Homestead, Florida, back in 2005 to  
9 the Keys. That's the most expensive water probably on  
10 the planet. Okay? All right? But we had no choice  
11 because the water line was cut off going into the Keys.  
12 And if you've got children and elderly and so forth,  
13 you've got to get them water. And so we were lifting it  
14 by helicopter, National Guard helicopter down into the  
15 Keys. I mean, we'll do that over and over again because  
16 it's a necessity to do that, if we have to.

17           We're focused on outcomes, not process. I  
18 won't go through all of this. But that's really our  
19 goal at the EOC is get decisions and get outcomes  
20 accomplished.

21           The old idea -- this was an old Craig Fugate,  
22 and I've always respected this, use the sledgehammer,  
23 get in. If you have to take in, bring in too much or  
24 you have to -- that's okay. It's better than coming up  
25 short.

1 I'll tell you right upfront, we did a lot of  
2 preparedness for Matthew. We bought a lot of food,  
3 water, and so forth. I'm proud we made those decisions.  
4 If that storm had veered 30 miles to the west, we  
5 wouldn't have had enough probably. We would have been  
6 bringing in more truckloads. So we've been able to  
7 store that, and we have it for this year's hurricane.  
8 The shelf life is still fine, and we're going to have  
9 that for this year's hurricane season. So we use the  
10 sledgehammer approach when we need to. And then  
11 flexible plans, those are always important.

12 These are some things I wanted to just mention  
13 here at this meeting regarding what we did specifically  
14 to assist with power restoration. I thought there'd be  
15 an interest in this.

16 We coordinated the waivers for overweight  
17 utility trucks. You may hear about some of that from  
18 the companies. Assisted with approval for utility truck  
19 convoys to bypass weigh stations. And that was done  
20 with, you know, DOT motor carrier compliance, the  
21 Highway Patrol. They get involved in those types of  
22 things.

23 We used a portion of Camp Blanding for utility  
24 vehicle and equipment staging areas. Okay? That was  
25 something that we did unique to this event and something

1 we'll continue to do. We set up a staging area with  
2 some of the companies that needed additional areas.

3 Mutual aid coordination for municipal and  
4 co-op utilities, that was done at the EOC as well to  
5 assist. And then, of course, conference calls with the  
6 governor and the electric utilities during the  
7 restoration process. So those were some specific things  
8 that were being addressed by ESF 12. And that's my  
9 presentation.

10 **CHAIRMAN BROWN:** Leo, thank you. Always a  
11 pleasure having you here --

12 **MR. LACHAT:** Thank you.

13 **CHAIRMAN BROWN:** -- and sharing with us some  
14 of your insights from the past season.

15 **MR. LACHAT:** Thank you.

16 **CHAIRMAN BROWN:** And, Commissioners, any  
17 questions, comments in general?

18 **COMMISSIONER BRISÉ:** Great job. Thank you.

19 **COMMISSIONER PATRONIS:** Excellent.

20 **CHAIRMAN BROWN:** Thank you. Excellent.

21 **MR. LACHAT:** No, thank you. And thank you for  
22 all your support while we were activated, the visits and  
23 so forth. Thank you all very much.

24 **CHAIRMAN BROWN:** Thank you. Thanks again.  
25 And thanks, Bryan.



1 All right. Next up we have with us Mr. Eric  
2 Silagy with Florida Power & Light, president and CEO.  
3 Mr. Silagy, welcome.

4 **MR. SILAGY:** Thank you, Madam Chair. It's  
5 good to be back.

6 **CHAIRMAN BROWN:** It's great to have you.

7 **MR. SILAGY:** Especially without a hurricane  
8 out there, which is nice.

9 **CHAIRMAN BROWN:** Without a hurricane.

10 **MR. SILAGY:** So I also want to add my thanks  
11 to the fact that you and the rest of the Commissioners  
12 are bringing us all together because there's no  
13 substitute for being focused and prepared for the  
14 inevitable. As we saw from the previous track map that  
15 was put up earlier --

16 **CHAIRMAN BROWN:** Yeah.

17 **MR. SILAGY:** -- it's not a question of if,  
18 it's just a question of when and where we're going to be  
19 hit in the state with a storm. Now fortunately it had  
20 been a long time up until last year, but we -- I thought  
21 we actually as a state did a nice job in responding, and  
22 we also learned a lot of good lessons which we're  
23 incorporating.

24 So I have a presentation. I'll go through it.  
25 And, as always, please jump in and interrupt wherever,

1 wherever you see fit.

2 **CHAIRMAN BROWN:** Thank you. Appreciate that.

3 **MR. SILAGY:** Just as a quick overview, we  
4 serve half of the state, so we've got a fair amount of  
5 coastal Florida that we actually serve. It is 35  
6 counties, 27,000 square miles, about 74,000 miles of  
7 line. And what many people outside of Florida don't  
8 realize is how many people live so close to the  
9 coastline. About 85 percent of our 10 million people  
10 that we serve live within 20 miles of the coastline. So  
11 anything that affects the coast is pretty much going to  
12 affect nearly everybody in our service territory.

13 So I'm going to go very quickly through some  
14 slides on this for the update, starting with, frankly,  
15 the investments just to remind everybody what we've been  
16 doing for the past decade, really post-'04,  
17 '05 hurricane season, and then the hearings that we had  
18 afterwards that the Commission held.

19 We started and have continuously been  
20 investing significant amounts into our grid, about  
21 \$2.7 billion to date. As you can see, many of our main  
22 power lines have been strengthened and hardened. We are  
23 almost completely done with replacing our transmission  
24 system with wood with steel and concrete. So by the end  
25 of this decade, we will be completely steel and concrete

1 at the transmission level. And I will tell you, we saw  
2 this pay off, and I'll talk a bit more about that, last  
3 year during the storms.

4 Pole inspections are also critically  
5 important. We have, as you can see, over a million  
6 poles in our system. It's a lot of poles to go through  
7 an inspection process. We're on a regular schedule to  
8 do that. And, you know, like anything, infrastructure  
9 degrades, and so at times you have to go out and replace  
10 it. You don't know what to replace unless you're doing  
11 these kind of inspections.

12 Vegetation management is also critical. You  
13 know, what was interesting was it had been a long time  
14 since we had a big hurricane come through, and you see  
15 that impact when you have a storm because you have a lot  
16 of vegetation that actually gets kind of cleared out  
17 through Mother Nature's way of a hurricane, but it also  
18 creates real challenges when you have a storm, like it  
19 has been ten years since Wilma. We saw that difference  
20 in '04 and '05 when Frances was the first storm that  
21 came through on the East Coast at least, and the amount  
22 of vegetation, the amount of debris that cleared  
23 through, compared to Jeanne, was significantly more  
24 because it had already been cleared through.

25 **CHAIRMAN BROWN:** Can you talk about the

1 undergrounding and what percentage -- I'm not aware of  
2 --

3 **MR. SILAGY:** We have 74,000 miles of line.  
4 About 67,000 miles of that is distribution, and about a  
5 third of our system is underground.

6 **CHAIRMAN BROWN:** Okay.

7 **MR. SILAGY:** And we are continuously working  
8 with municipals in areas on undergrounding existing  
9 lines. We have a program in place to do that and to  
10 help offset some of those costs because there are O&M  
11 savings on a day-to-day basis.

12 **CHAIRMAN BROWN:** Is it successful during a  
13 storm in terms -- I mean, it's hard to --

14 **MR. SILAGY:** Yes and no. So as most things in  
15 life, it's not all simple and black and white. So  
16 obviously against wind it is actually quite effective to  
17 do the undergrounding. Generally speaking, the  
18 underground system did well. Not always because  
19 depending on how much you have uprooting of trees, the  
20 roots that grow over time can actually interfere with  
21 the undergrounding.

22 The challenge really is in flooding on many of  
23 the undergrounding. And in this storm, in Matthew, as  
24 an example, we actually had some very significant and  
25 severe flooding around the St. Augustine area. And so

1 underground systems there were actually adversely  
2 impacted, and there were areas where we actually  
3 proactively turned the power off. I'll show you a  
4 picture of that. And power that was aboveground was  
5 actually still on, but underground had to be proactively  
6 put out. So there's no silver bullet on this, but  
7 undergrounding absolutely has benefits to it.

8 **CHAIRMAN BROWN:** Yeah. Thank you.

9 **MR. SILAGY:** So on -- just to get to  
10 transmission and poles, I've talked about that, but also  
11 focus on substations. And then one of the areas is on  
12 the lessons learned. You know, we respond, as all of --  
13 all the IOUs do and many in the municipal and co-op  
14 areas too, to other storms -- to other utilities that  
15 are in need in storms outside whenever we can. And  
16 during Sandy, we deployed a lot of folks up to the  
17 northeast to try to get the power back on. And in our  
18 case, we were helping the New Jersey/Long Island area.

19 One of the areas -- one of the learnings that  
20 we had from that storm was having to do with flooding  
21 and in substations particularly. They had storm surge.  
22 They had a lot of issues around actually stranding  
23 employees there and some danger associated with that.  
24 We came back from that storm with an idea of actually  
25 putting in flood monitors in the substations, monitors

1 that would actually do -- give us two different levels  
2 of view from the standpoint of what's happening in the  
3 field. One, water is in the fence and kind of puts you  
4 on alert, puts the substation up on the board, if you  
5 will, for close monitoring, and then, two, if it  
6 continues to rise, imminent threat to the substation and  
7 the equipment. And for the first time during Matthew,  
8 we actually -- that equipment came into play and we  
9 proactively shut a substation down before it was  
10 damaged. And that actually resulted in significant  
11 savings, and I'll show you a picture in a minute.

12 **CHAIRMAN BROWN:** Commissioner Polmann has a  
13 question.

14 **MR. SILAGY:** Yes, Commissioner.

15 **COMMISSIONER POLMANN:** I can see you're making  
16 great progress with your transmission poles and bringing  
17 those over.

18 **MR. SILAGY:** Yes.

19 **COMMISSIONER POLMANN:** You note here 223  
20 substations upgraded. Could you also give us an idea of  
21 what percentage, what kind of progress you're making  
22 there? So, in other words, what number are at risk  
23 compared to how many you've upgraded? And then you  
24 indicate 25 are protected from storm surge. So, again,  
25 a similar question. What, what --

1           **MR. SILAGY:** All of the substations that are  
2 in a floodplain area -- we have some substations, like  
3 St. Augustine we've had since the 1920s --

4           **COMMISSIONER POLMANN:** Sure.

5           **MR. SILAGY:** -- so we're not going to move it.  
6 And so it is in a storm surge-prone area. So all of  
7 those have actually been outfitted now with these type  
8 of storm surge and flood device protection systems. And  
9 then our substations have all been upgraded also on  
10 flood mitigation, those that are in the path of any kind  
11 of typical flooding that you'd see 100-year floods.

12           We're always analyzing and, of course, flood  
13 maps gets updated as well.

14           **COMMISSIONER POLMANN:** Right.

15           **MR. SILAGY:** And so we may end up with some  
16 future work that goes forward. We're also looking at  
17 new technologies and trying to make sure that we stay up  
18 to speed with what's changing out in the marketplace.  
19 And, frankly, every storm is different --

20           **COMMISSIONER POLMANN:** Of course.

21           **MR. SILAGY:** -- and so, you know, there's  
22 always learnings. And one of the things that we really  
23 work hard at the company is to have a culture of being  
24 open-minded and saying, you know, "You don't know what  
25 you don't know, and let's make sure we adopt and adapt

1 as much as we can."

2 **COMMISSIONER POLMANN:** And I appreciate you  
3 making the distinction and comments a few minutes ago  
4 about the type of damage that's different between wind  
5 and flooding. I think that's very important. I  
6 appreciate that.

7 **MR. SILAGY:** Yes. It's -- like I say, every  
8 one of these storms is a challenge and they teach you.  
9 Mother Nature, she's a hard teacher, and she'll teach  
10 you very quickly on some of these things.

11 I will tell you that the investments in the  
12 smart grid technology starting with the smart meter,  
13 which I know was not the most pleasant experience  
14 initially when we went through all of the hearings on  
15 it, but it has been game changing. It has completely  
16 changed the way that we see and view the grid. I've got  
17 engineers that have been with the company for 40 years  
18 that, you know, know more in their little finger than  
19 I'll ever know, and they will tell you without  
20 hesitation that they are blown away by what they're  
21 seeing in the data. And the opportunity it gives us for  
22 situational awareness to be able to respond more  
23 efficiently to storms as well is tremendous.

24 We would not have had the kind of response  
25 that we did in Hermine and Matthew but for the smart



1 grid technology, period. Just there's no way -- we've  
2 got a long way to go to get it completely outfitted.  
3 We're adding about 30- to 35,000 devices a year right  
4 now to our grid. I'll talk about a few of those. But  
5 being able to get that data and then, most importantly,  
6 being able to utilize that data. Big data doesn't do  
7 you any good if you're not able to actually do something  
8 with it and analyze it, and we're spending a lot of time  
9 on taking that data and then being able to deploy it in  
10 the field.

11           And the proof is in the pudding. I mean,  
12 Hermine and Matthew showed us some of these things.  
13 Automatic feeder switches, as an example, avoided tens  
14 of thousands of interruptions. But for that equipment,  
15 those customers would have lost their power, and instead  
16 they ended up with a momentary at worst and that was it.

17           We also saw that, as an example, in Matthew we  
18 had 412 poles in our entire system, and I won't tell you  
19 Matthew touched our entire system, but it came really  
20 close to touching our entire system because of the  
21 track, it was right up the eastern seaboard, we had 412  
22 poles that were impacted; in other words, that it went  
23 over. None by wind and not a single hardened pole went  
24 over at all by wind or trees.

25           **CHAIRMAN BROWN:** Wow.

1           **MR. SILAGY:** So the hardened system  
2 actually -- we could demonstrate 30 percent more robust  
3 by being -- and it's hard to engineer against a  
4 50,000-pound oak tree, it's just hard, even when it's  
5 hardened, but it does make a big difference. And we are  
6 very, very pleased to see the response to that.

7           **CHAIRMAN BROWN:** Can I ask you a question  
8 about the self-healing technology that's being deployed  
9 around the state and what FPL is doing? Automated  
10 switches, you're seeing that help prevent outages. Is  
11 there any other type of self-healing technologies that  
12 you're using?

13           **MR. SILAGY:** So automatic feeder switches,  
14 automatic lateral switches is much further down in the  
15 system at the distribution level. The smart meters are  
16 actually making a big difference because we're able to  
17 see what's happening in real-time as it comes through.  
18 The technology that we've put into the control rooms  
19 themselves, and a lot of this is in the algorithms that  
20 have been developed, some by others and some by our own  
21 folks. And we've actually patented a number of them,  
22 which helps you with not only seeing what's going on,  
23 but actually then getting into predictive and predictive  
24 analytics around failures that are likely to occur but  
25 haven't yet, particularly when there's already damage in

1 the system, and having a better understanding of where  
2 to respond first and how to get the most people up as  
3 quickly as possible.

4 And, again, you can see the difference in the  
5 response times. I mean, during Hermine our average time  
6 to restore -- we had 112,000 customers that were  
7 impacted because, remember, we serve all the way up to  
8 the Florida/Georgia line, including through the middle  
9 of the state, a very heavy tree area, and we had a mean  
10 time to restore of about three hours. We didn't have a  
11 single customer out for more than 24 hours. And we had  
12 112,000 customers that lost power, but most of them were  
13 up in less than three hours. And part of that was  
14 utilizing the technology and then of automatically  
15 restoring them, but then also of actually sending the  
16 right types of crews to the right locations rather than  
17 basically search parties trying to figure out what the  
18 problem is and doing the analysis and then coming back a  
19 day or two or three days later to start the process.

20 **CHAIRMAN BROWN:** Absolutely. Yeah. I am a  
21 huge believer in these type of technologies and  
22 investment type -- in these type of technologies.

23 Commissioner Patronis.

24 **COMMISSIONER PATRONIS:** Thanks. When --  
25 between the smart meters and the remote, the remote to

1 operate these switches, I guess, a lot of this, do  
2 you -- were you relying on the smart meter to let you  
3 know, hey, this area is out of power, or is it a  
4 combination of that and customers calling in and letting  
5 you know, or did you have to have a crew actually out  
6 on-site to notice that this is the fault and if we  
7 work -- if we fix this, then this neighborhood comes  
8 back online?

9 **MR. SILAGY:** Yeah. Interestingly, during  
10 hurricanes most customers don't call in because they  
11 kind of figure that it's -- we -- they expect to lose  
12 the power. We -- it's the smart meter that tells us.

13 You know, before the smart meter, we didn't  
14 know the power was out until somebody called. I almost  
15 hate to admit that to you because it wasn't that many  
16 years ago, but that's the reality of the situation at  
17 the time. Now we know instantly when there's a power  
18 interruption. That coupled with the devices on the grid  
19 actually tell us not just that the customer is out, but  
20 then we're actually able to start to triangulate where  
21 the problem is, i.e., this section of line -- between  
22 this pole and this pole we have a problem. And based on  
23 overlaying wind data as well as weather data real-time  
24 with the smart meter data that's coming in, we're able  
25 to get a pretty good understanding, you know, we

1 probably had a microburst here. This might be a  
2 tornado. This might be, you know, simply, you know, a  
3 tree stand that we know that's there because we're also  
4 using geo-spatial techniques using maps, Google Earth  
5 maps, and being able to get a really good idea of what's  
6 going on in the field near real-time.

7 **COMMISSIONER PATRONIS:** So as you get more --  
8 Chair?

9 As you get more historical data, I mean, it's  
10 not data, I guess, you want to collect, but I guess as  
11 you get more of that historical data, I mean, you can be  
12 able to diagnose exactly what happened there. I mean,  
13 you almost can do an autopsy immediately.

14 **MR. SILAGY:** We do. We actually do forensic,  
15 you know, we do a forensic analysis afterwards. But  
16 also the importance of the historical data is that when  
17 you get enough of it, then you can actually utilize it  
18 for predictive analysis and you can start to predict the  
19 future within a certain range of certainty.

20 And in certain cases, it's, like, 90 percent.  
21 We're knocking on customers' doors today using smart  
22 meter technology and saying, "You know, Commissioner,  
23 you don't have an outage today, but based on the data  
24 that we're getting from your smart meter, we think  
25 you're going to have a probably in the next 48 hours."

1 And many times it's on your side of the meter, by the  
2 way.

3 **COMMISSIONER PATRONIS:** And -- oh.

4 **MR. SILAGY:** So we'll ask you to hire an  
5 electrician -- right? -- but we'll be able to give you  
6 an idea of exactly what it is because the smart meters  
7 actually produce over 300 different data points. It's  
8 not just the amount of electricity being used.

9 **COMMISSIONER PATRONIS:** Sure.

10 **MR. SILAGY:** And so if you start to see  
11 eight different particular points that are occurring  
12 over a certain period of time in a certain sequence,  
13 then based on historical data, you can predict that this  
14 is going to occur in the next 24, 48, 72 hours.

15 **COMMISSIONER PATRONIS:** And those smart  
16 meters, they don't necessarily communicate to each other  
17 via a phone line. They're basically a wireless repeater  
18 system?

19 **MR. SILAGY:** Yes, sir. There are different  
20 technologies that are out there used by different folks.  
21 In our case, that's correct. It's through a mesh  
22 network, so they actually do bounce off of each other.  
23 That way they don't have to rely simply on one cell  
24 tower, so we get some redundancy built in.

25 **COMMISSIONER PATRONIS:** And you know when one

1 goes out, you know that this is the, this is the  
2 culprit.

3 **MR. SILAGY:** Correct. And we built in  
4 technology in ours so it even has what's called a last  
5 gasp. So it actually has enough power that's built into  
6 the meter, it doesn't have a battery, but through the  
7 circuitry that it actually sends out a signal and says,  
8 "I'm dying." Right? And so --

9 **CHAIRMAN BROWN:** "Help me."

10 **MR. SILAGY:** But, you know, that -- yeah,  
11 "Help me." That's probably a better way of putting it.

12 **CHAIRMAN BROWN:** Last gasp.

13 **MR. SILAGY:** Because we do revive it, because  
14 we do revive it. You know, it translates all the way  
15 down even to what's on the truck. So every one of our,  
16 you know, service folks, they've got -- our linemen and  
17 women have an iPad now. And on that iPad is software  
18 that we developed partially internally and partially  
19 using externals. We use Google Maps. We didn't invent  
20 Google Maps. I wish we had. But we utilize Google  
21 Maps.

22 All the, all the homes and businesses are  
23 obviously on there. We developed a software that  
24 actually puts an indicator next to each one that turns  
25 green if the meter is working, it's red if it's not. So

1 after a crew comes in and restores power, let's say, in  
2 a neighborhood, and let's say it's middle of the night,  
3 you turn the -- you get the -- you remove the tree  
4 branch, it closes the breakers -- right? -- the power  
5 comes on. You can look down the street; you can see the  
6 lights come on. Five, six, seven years ago crews would  
7 pack up and they'd leave. And it's the middle of the  
8 night, so, you know, the air-conditioners come back on  
9 and neighbors are happy except in the middle of the  
10 neighborhood two houses don't have power. They can't  
11 see that until the neighbor wakes up and looks out and  
12 sees that their neighbors are on and they're not, and  
13 they're not happy and they call. That's when you get  
14 the call, and hopefully they get a nice customer service  
15 agent who goes something like, you know, "I'm sorry  
16 you're out of power, Commissioner, but we've dispatched  
17 a crew and power has been restored to your  
18 neighborhood." And the conversation is not real  
19 pleasant because it's, like, "Well, maybe, but not to my  
20 house." Right?

21 And here, before our crews leave, they pull  
22 out the iPad, they push a sync button, it sends a signal  
23 to everybody and it says, "Are you on?" And each house  
24 comes on and says green, green, green, I'm on, but they  
25 would have seen those two houses that kick on red



1 because those meters aren't communicating. They would  
2 drive down the street, they'd probably find the  
3 pad-mounted transformer fuse is kicked out, reset it,  
4 hit the sync button, it's green, they pack up, now they  
5 leave. The customer never knows that they were, a few  
6 years before, going to be out there. And by the way, a  
7 few years ago we would have called another -- you know,  
8 the crews would have moved on to the next  
9 neighborhood -- right? -- because the storm isn't  
10 isolated.

11 **COMMISSIONER PATRONIS:** Right.

12 **MR. SILAGY:** I would have now had to pull  
13 crews off of one job to go back to a neighborhood not  
14 knowing where the problem is, search for the problem,  
15 find the problem eventually, and then restore the  
16 problem. The customer is not happy because they've been  
17 out of power for hours more. All right? I've spent a  
18 lot more in overtime, other customers have been  
19 negatively impacted because their restoration times are  
20 longer because we pulled them off, and, oh, by the way,  
21 I lost revenue the whole time as well, which is bad for  
22 everybody.

23 So, you know, there's -- it's -- the O&M  
24 savings are tremendous. The technology is changing the  
25 way that, frankly, we are running the business.

1                   **COMMISSIONER PATRONIS:** What about morale, you  
2 know?

3                   **MR. SILAGY:** Look, you know what, I will -- I  
4 can tell you story after story of going into the field  
5 and talking to crews that are just dead tired, having  
6 been restoring power, and saying, "Thank you." And the  
7 response is almost universally, "No problem. This is  
8 what we do." Right? Our crews and every crew that's in  
9 this business, whether they're FPL'ers or Gulf Power or  
10 anybody else, they love getting people back up as  
11 quickly as possible. Its what's they do. So they're  
12 frustrated when they don't have the tools to do it.  
13 Morale has tremendously improved because they feel as if  
14 they're empowered. They have the right weapons to win  
15 the battle.

16                   So I'll flip over the Matthew slide because  
17 that's stark enough, you saw how big it was, but it was  
18 a monster storm. And, look, it impacted the whole  
19 state, but we dodged a bullet from the standpoint of  
20 35 miles to the left and it would have been a whole  
21 different story from the standpoint of devastation. But  
22 obviously we don't know that when we're preparing.

23                   This was a Cat 5, then Cat 4 storm. We  
24 deployed the largest pre-deployment we've ever had. You  
25 can see these numbers. It was material. This is like

1 moving an Army, and the logistics are significant. I  
2 want to take just a second to thank Leo, Bryan, the  
3 state, everybody pulled together on making this happen.  
4 You cannot move this amount of equipment down  
5 interstates and turnpikes and through rest areas and do,  
6 you know, refueling alongside the interstate so we don't  
7 lose time, food, water replenishment, tools, equipment,  
8 without the support of everybody along the way: at the  
9 county level, at the local level, at the state level,  
10 even at the federal level.

11 **CHAIRMAN BROWN:** And even especially the  
12 governor and his support and being at the EOC and being  
13 on the ground around the clock. His leadership really  
14 --

15 **MR. SILAGY:** There is no substitute for  
16 leadership from the front, and the governor demonstrated  
17 that. And, you know, I tell you it sharpens and focuses  
18 your mind when you know the governor is going to call  
19 you at least twice a day.

20 **CHAIRMAN BROWN:** And the folks at the PSC.

21 **MR. SILAGY:** And so, you know, and I  
22 appreciate it, I really do, because -- and his first  
23 question invariably was, "What can we do to help?" It  
24 wasn't about micromanaging the process. It was, "What  
25 do you need? What can we do to help?" And you just

1 can't ask for anything more than that.

2           So, you know, it paid off. Again, restoration  
3 times, we saw the number of outages from a technology  
4 standpoint make a difference. We did not lose  
5 customers, like 118,000, from the smart grid technology.  
6 We utilized other technologies like the mobile command  
7 centers.

8           You know, again, this is like, this is like a  
9 battlefield. And so having situational awareness of  
10 what's going on in the different areas, and particularly  
11 when you have a footprint of the storm the way we did,  
12 we had nearly everyone in 35 counties impacted. And so  
13 I had to have resources that also flowed behind the  
14 storm as it went through and be able to be nimble and  
15 mobile.

16           One of the big lessons that we had in this  
17 storm was the fact that we were actually restoring so  
18 quickly, we outran our coverage a little bit, if you  
19 will, on logistics. As I said to our head of our power  
20 delivery at one point, I said, "You know what? You  
21 outran your supply lines. I mean, you're a little bit  
22 like Patton and you outran it." It's a high quality  
23 problem, but it's nevertheless a problem. So because we  
24 moved so fast so much equipment, we actually had a tough  
25 time keeping up with some of the food, tools, and water.

1 But we got there. We learned how to do that. Even  
2 things like drones, unmanned aero vehicles helping us  
3 get, again, eyes on areas that are hard to get access to  
4 were terrific.

5 This is the substation I was talking about  
6 earlier on a beautiful day. This is not what it looked  
7 like after Matthew. This thing was covered in three to  
8 four feet of water. And we actually proactively  
9 de-energized that substation. We put 8,000 customers in  
10 the dark intentionally. It is one of the hardest things  
11 for our electrical engineers to do. I mean, it's like  
12 watching them, you know, pull the plug on somebody.  
13 They're just like, "I don't want to do it," but they did  
14 it. And because of that, we were able to restore power  
15 much faster because we didn't have to replace equipment.  
16 We had to water wash it because it was saltwater. So  
17 you quickly water wash it, and then we actually ended  
18 up -- we did replace one piece of electric equipment, a  
19 small one, and it took a couple of hours instead of  
20 losing two days and honestly tens of millions of  
21 dollars. Because when it's energized, it gets destroyed  
22 if it hits with water. We didn't have to replace any of  
23 the major components and pieces of equipment. So it  
24 was -- that's, again, a learning from Sandy and  
25 something that we had never done before as a company.

1           **COMMISSIONER PATRONIS:** A question. Do you  
2 learn not to put substations by marinas anymore too?

3           **MR. SILAGY:** Generally the answer is, yes, we  
4 do. We have some conversations about that.

5           **COMMISSIONER PATRONIS:** Sometimes you don't  
6 have a choice.

7           **MR. SILAGY:** But, you know, what's interesting  
8 is when we had that substation, we built that one, I  
9 believe, in 1925.

10          **COMMISSIONER PATRONIS:** I was about to say,  
11 yeah, yeah.

12          **CHAIRMAN BROWN:** I was going to say, is that  
13 FPL's?

14          **MR. SILAGY:** It was a passthrough (phonetic)  
15 there. So -- but, you know, what we did see was a very  
16 different type of response by the numbers here. Now,  
17 again, I would caution you in saying that every storm is  
18 different. Right? Wilma was also a very different  
19 storm both in track and intensity. But we also had a --  
20 we did not have a hardened system. We also did not have  
21 the technology, and we also didn't have the learnings  
22 that we've embedded within our own company over the  
23 years.

24          **CHAIRMAN BROWN:** So I have to ask you, my  
25 colleagues from around the country have watched what

1 Florida has done and they watched the restoration, this  
2 particular slide that you have up here about Matthew  
3 with the 98 percent of customers restored within two  
4 days. They just ask me, "How did the company do that?"  
5 And I give them a long, lengthy answer about the  
6 history. But is there something that you -- other than,  
7 you know, the smart technology that's being implemented,  
8 the lessons learned, is there something that you can  
9 just say singularly that is the reason why you jumped  
10 from a 55 percent in '04/'05 to almost 100 percent  
11 restored in two days?

12 **MR. SILAGY:** Besides different thinking  
13 culturally -- I mean, it really is about how you  
14 approach the storms. So pre-staging, getting material  
15 and people in before the storm. The way that typically,  
16 I won't speak for the others, but I can tell you what we  
17 did in Frances, Charley, Jeanne, Matthew -- Wilma,  
18 excuse me, the others, you know, was you waited for the  
19 storm to hit and then you went out and you did damage  
20 assessment and then you figured out what resources you  
21 needed to backfill what resources you already had within  
22 your company or within the system.

23 We don't approach it that way anymore. We  
24 actually -- and we've had to have some very hard  
25 conversations with some of our vendors and even other

1 utilities where we actually asked them to come in in  
2 advance of the storm and bunker down. Now that means  
3 we've also had to invest in our service centers becoming  
4 more storm hardened because I want people in the service  
5 territory riding the storm out just like I do in the  
6 command center and securing the vehicles, securing the  
7 equipment so the minute that winds drop below 35 miles  
8 an hour, the storm hasn't even passed completely, we are  
9 mobilizing crews.

10 Now even when the storm is in full rage, we're  
11 now using technology to restore people as best we can  
12 remotely. But as soon as we can safely get people  
13 deployed -- we're not waiting for the storm to pass.  
14 We're actually chasing the storm, if you will. So in  
15 this case, we started in South Florida. We brought in  
16 crews and prepositioned them in South Florida. We also  
17 prepositioned them in West Florida. Based on the track  
18 of the storm, we did think it was going to hug the East  
19 Coast, so we put crews over in the Sarasota, Bradenton,  
20 Orlando area. We had crews right on the Florida/Georgia  
21 line in Lake City, and then we had crews down in Miami.  
22 Knowing that depending on how the storm exactly turned,  
23 we could then flow troops, if you will, from the south  
24 and then bring them over from the west. And then as the  
25 storm passed, start to backfill them from the north



1 because the folks from the south will have been, you  
2 know, in the field for 40 hours at that point.

3 And so it's a little bit of a fencer movement,  
4 if you will. It's kind of like looking at, you know,  
5 how you move the troops into place, but you can't do  
6 that if you don't have, if you don't have the people and  
7 the equipment in place beforehand. Because once the  
8 storm looks at that track, we didn't get anymore help  
9 from anybody in the northeast. There wasn't a utility  
10 in the northeast that would release any resources  
11 because they need to take care of their own.

12 And then, you know, remember, you don't know  
13 exactly where the storm is going to go. So if it starts  
14 to cut across and goes up through the Panhandle and into  
15 Alabama, then we lose crews from Texas, Louisiana,  
16 Mississippi that would normally come in to help, but  
17 they have to wait until it passes and then they start to  
18 move. And this is a lot of equipment, so by the time  
19 they get to you, it's four days later.

20 So it's -- the risk is that you have a blue  
21 sky event where, you know, Matthew makes a hard right  
22 turn and goes out over the ocean and we end up with, you  
23 know, a Joaquin.

24 **CHAIRMAN BROWN:** Right.

25 **MR. SILAGY:** Right? And deploying that many

1 people is not inexpensive. I've got to pay them from  
2 the minute they get in their truck until they get back  
3 out of the truck back home. So, you know, it is -- you  
4 end up with some potential for folks saying, "Well, wait  
5 a minute. How is it that you spent millions of dollars  
6 and we didn't even have a storm?" It's a judgment call,  
7 and I will tell you it's one that you think about.

8 **CHAIRMAN BROWN:** Thank you.

9 **MR. SILAGY:** I guess the one thing I'll tell  
10 you is that, you know, we are -- I view this as we are  
11 Team Florida.

12 **CHAIRMAN BROWN:** That's our line.

13 **MR. SILAGY:** This is not FPL. And, you know,  
14 one of the things I'm most proud about is how the  
15 utility industry comes together and works together to  
16 help each other. Because the customer is -- this is all  
17 about getting the power back on, which is fundamental to  
18 the way that we all live our lives. And the faster that  
19 we can restore our facilities and get our customers back  
20 up, then the faster that we're able to actually pivot  
21 and help somebody else. And that's what we did in  
22 Jacksonville, and I was very pleased -- Jacksonville  
23 actually called us when the storm was going on and said,  
24 "Look, we need help." It's not easy --

25 **CHAIRMAN BROWN:** Commissioner Graham has got a

1 question for you.

2 **MR. SILAGY:** Sure. It is not easy to ask for  
3 help sometimes. And, you know, I will tell you that  
4 Paul and his team didn't hesitate. We couldn't give it  
5 to him on day one, but we were there on day two and  
6 didn't leave until the job was done, until they kicked  
7 us out, because, you know, it's important to actually  
8 work together on this.

9 Yes, sir.

10 **COMMISSIONER GRAHAM:** Well, you figure, you  
11 mentioned Jacksonville, I have to say something.

12 So what happened, what happened during  
13 Hermine? It seems like there was a huge disconnect in  
14 Tallahassee. And I know there was a lot of stuff in the  
15 paper, and you were in the middle of that and the  
16 governor in the middle of that and the mayor here. What  
17 happened?

18 **CHAIRMAN BROWN:** You've got to love  
19 Commissioner Graham. You've got to love him. This is  
20 why we love him.

21 **MR. SILAGY:** Yeah. So first off, you know, to  
22 the mayor's defense -- right? -- first time going  
23 through this, and the mayor is relying on information  
24 that's provided to him by folks that are with the  
25 utility. And to be fair to the leaders of the

1 Tallahassee utility, first time they'd been through, you  
2 know, an event like that in a long time. I --

3 **COMMISSIONER PATRONIS:** 1986.

4 **MR. SILAGY:** You know, yeah, so a long time.  
5 I think there was a, there was a, there was a fair  
6 amount of miscommunication, but that's really led by the  
7 fact that there were folks who really didn't have the  
8 situational awareness of what was going on in their  
9 system and, therefore, they made what they thought at  
10 the time were the best decisions based on incomplete and  
11 bad information. Where that came from was different,  
12 you know, elements that didn't have smart grid  
13 technology. They probably, and I don't know this for a  
14 fact, but, you know, the pole inspection program  
15 probably wasn't as robust, and so they had a lot of  
16 damage, they had some tree damage.

17 But, you know, there is -- look, storm  
18 restoration should never be political ever, in my  
19 opinion. This is about getting customers back up,  
20 anybody's customer. I don't care whose customer they  
21 are. It's about Florida getting the lights back on.  
22 And then after that, it's about helping people in other  
23 states too, and it should never be political. And  
24 unfortunately it became political and it became, you  
25 know, a tug of war, and I think unfortunately

1 Tallahassee residents suffered because of that. And  
2 it's easy to be critical in hindsight because, you know,  
3 it's a lot clearer, as it always is, but this is where  
4 the -- this is where our training, this is where  
5 drilling and working like we do with the state as an  
6 example on this -- you know, we go through storm dry  
7 runs every single year. I don't know that Tallahassee  
8 has done -- I don't know. I mean, I'm guessing they  
9 don't because I don't know about it, but maybe they did.  
10 But, you know, I could tell you they didn't coordinate  
11 ever with us.

12 I had 575 crew in Lake City. That's not far  
13 away. That's our territory. And we were done with our  
14 restoration and I offered those crews, and they just  
15 didn't think they needed them. They made a judgment  
16 call, which in hindsight ended up being the wrong call.  
17 I don't think there was anything malicious about it. I  
18 just think that, you know, unfortunately there were  
19 elements that were uncomfortable asking for help and  
20 reaching out and taking that help from folks that they  
21 hadn't worked with before.

22 And so one of the things that we're working on  
23 right now with all of the municipals and co-ops is  
24 actually on having agreements in place so we can cut  
25 through all of that and not have to worry about mutual

1 assistance agreements, how do you get reimbursed, you  
2 know.

3 **CHAIRMAN BROWN:** Good.

4 **MR. SILAGY:** Because I know there were  
5 concerns around safety, as an example. And those are  
6 legitimate concerns, by the way, if you don't -- if you  
7 haven't prepared. We unfortunately have a lot of storm  
8 experience, and so we knew how to manage that. And I  
9 did try to articulate it, and I probably didn't do as  
10 good a job as I could have and being as forceful and  
11 saying, "That's a concern that you shouldn't, you  
12 shouldn't be worried about." Right?

13 But, you know, there's -- you try to be  
14 deferential to other people's territories, if you will,  
15 and areas. And so when they said, "We don't need you,"  
16 we said, "Okay." We did reoffer five times to say,  
17 "We'll come back in." And eventually some of our  
18 contractors were the ones who actually came in to help  
19 because the governor brought them in. To the governor's  
20 credit, he was relentless about it over and over again,  
21 and unfortunately I think that did fray some nerves too.  
22 But I think he did the right thing, by the way.

23 **COMMISSIONER GRAHAM:** I applaud the Chairman  
24 for having both FMEA here, Ms. Zubaly, and the co-ops  
25 here, Mr. Willingham, so we can continue the dialogue,

1 and also the governor for bringing everybody together  
2 after, I mean, after Matthew went through.

3 **CHAIRMAN BROWN:** Yes. Yeah.

4 **COMMISSIONER GRAHAM:** The question is what  
5 other things should we be doing now, I guess since  
6 you're here in front of us, to make sure that that  
7 disconnect that we had last year doesn't continue  
8 happening over and over again?

9 **MR. SILAGY:** So Gulf Power sent in crews here  
10 and they brought them in right away, which was terrific.  
11 I will tell you that we would all have been better off  
12 to have mutual assistance agreements in place and  
13 signed. And the teams are working on that now. I am  
14 paid to be paranoid, but it is the end of April. There  
15 is already a tropical system out in the Atlantic Ocean  
16 and we don't have a mutual assistance agreement. And  
17 Hermine happened in September. I remember because I was  
18 here. We need to get that done.

19 **CHAIRMAN BROWN:** So were we.

20 **MR. SILAGY:** There is no reason that it takes  
21 thing long to get things done. I'm not suggesting that  
22 you don't need to be thoughtful about it, but it's  
23 not -- this isn't new ground to be plowed. So we just  
24 need to get that done. And then we need to also do a  
25 better job as an industry on working together to train

1 together and drill.

2 I have a storm drill every year. It's in two  
3 weeks, the first week of May. So ten days; right? And  
4 we invite people from across the state. Other utilities  
5 have come in and worked with us. We would welcome  
6 anybody also from, you know, from municipals and co-ops  
7 because, again, there is no substitute for having gone  
8 through as much in an anticipatory way as possible in  
9 how you communicate, how you would deploy crews, because  
10 Mother Nature will always throw you curveballs. And if  
11 you can drill on all things that are expected because  
12 you've either been through it before or the models tell  
13 you it's likely, it creates bandwidth to deal with the  
14 unexpected.

15 **CHAIRMAN BROWN:** Commissioner Patronis.

16 **COMMISSIONER PATRONIS:** Just -- and  
17 Commissioner Graham kind of stimulated this question.  
18 Your -- you've got the biggest footprint, so you see the  
19 most varying forms of topography here, and then you also  
20 participate in restoration in multistate areas. Because  
21 of that, do we have varying degrees of vegetation  
22 management in the state, and do we need some type of  
23 standardization from both a municipal, co-op, and IOU  
24 level?

25 **MR. SILAGY:** That's a very good question that



1 I can't answer. I would assume the answer is, yes, we  
2 have a varying degree of vegetation management. I don't  
3 know the answer as to whether or not the standards are  
4 actually different. Obviously you set the standards on  
5 the IOUs and we report out those and we report the  
6 progress, and -- but I'm not an expert on these co-ops  
7 that -- I would -- I'd let them answer that question.

8 But there are standards that are out there  
9 also, just industry standards. And they're not perfect;  
10 right? I mean, you can have a tree that's tall enough  
11 outside of the right-of-way that still goes over. But  
12 vegetation management is something that as a state that  
13 has, in most parts of the state, a 12-month growing  
14 season, it is something that is a real and continuous  
15 challenge that we have to be proactive about. And it's  
16 not just about how you do it. It's even looking at  
17 different ways of doing it and technology. And, you  
18 know, we're challenging our own thinking about this as  
19 well. And it's not because of the hurricanes because  
20 we're actually okay on that, but it's, you know, it's  
21 every day. It's everyday reliability.

22 So, yes, I would tell you -- I mean, look,  
23 Tallahassee was largely a tree event, from what I have  
24 seen. But, you know, the -- I think the highest gust  
25 winds in Tallahassee were about 60 miles an hour or

1 tropical storm. It wasn't a hurricane; right? And I  
2 think the average was in the mid-40s. So, now, some  
3 areas are really tough to get vegetation management.  
4 You know, old growth in beautiful neighborhoods, you  
5 know, you can get yourself sideways with some neighbors  
6 when you go in for vegetation management.

7 **CHAIRMAN BROWN:** Absolutely, everywhere.

8 **MR. SILAGY:** So it's very hard. The best time  
9 to do vegetation management in those areas is right  
10 after --

11 **COMMISSIONER PATRONIS:** Dead of night.

12 **MR. SILAGY:** Well, no. That too, but the dead  
13 of night when the power is out.

14 (Laughter.)

15 **COMMISSIONER PATRONIS:** Right.

16 **MR. SILAGY:** Right? Because people --

17 **COMMISSIONER PATRONIS:** Mother Nature kind of  
18 did her own vegetation management.

19 **MR. SILAGY:** They did, and people are a lot  
20 more open to have their tree trimmed if that's what it  
21 takes to get the power back on.

22 **COMMISSIONER PATRONIS:** Sure.

23 **CHAIRMAN BROWN:** So, Mr. Silagy, we could ask  
24 you questions -- we're getting you all sidetracked, but  
25 we've got a few other speakers. So if I could --

1           **MR. SILAGY:** I will, I will just flip through.  
2 There's nothing else really. I mean, again, this is  
3 what I was talking about. It's very close coordination  
4 with local leaders.

5           Communications, I know, is a focus for you on  
6 this. And I will just tell you that, you know, one of  
7 the -- probably the biggest learning that we have from  
8 the '04/'05 season was on communications because we did  
9 not do a good job of that, in my personal opinion. And  
10 a lot of things have changed, a lot has changed.

11           **CHAIRMAN BROWN:** Social media?

12           **MR. SILAGY:** Yeah. Well, just the fact that  
13 in 2005, you know, the iPhone didn't even exist. And  
14 so, you know, the internet, you know, was not something  
15 that was pervasive. We are now communicating across an  
16 entire different spectrum than we did before, utilizing,  
17 obviously, the traditional mediums, TV and radio, but  
18 also Facebook, Instagram, Twitter, and doing a lot of  
19 it proactively.

20           You asked earlier what are some of the things  
21 we do differently? Proactive communication, trying to  
22 get our customers to focus. 40 percent of our customers  
23 have never been through a Florida hurricane, 40 percent  
24 of 10 million people have never been through a Florida  
25 hurricane, and they don't know what to expect. They

1 think they do, but they really don't. Trying to get  
2 them to focus, trying to get them to be prepared, to  
3 have a plan, to make sure that they can, you know,  
4 hunker down with their families and work for a day or  
5 two with us until we can get the power back on at the  
6 very least is a real challenge, but something that we're  
7 being proactive on.

8           And then, you know, during the storm and then  
9 immediately thereafter the storm finding ways to  
10 communicate with customers, even back to the traditional  
11 stuff of even setting up kiosks in the neighborhoods  
12 where people can come in and actually meet with somebody  
13 and say, "What's going on?" and, you know, "How long is  
14 it going to be?" and, frankly, bringing them ice and  
15 doughnuts and things like that where we can because  
16 they're our neighbors -- right? -- and so we want to try  
17 to do that.

18           **CHAIRMAN BROWN:** I hate to stop you, but  
19 Commissioner Brisé does have a question for you.

20           **MR. SILAGY:** Yeah. Yes, sir.

21           **COMMISSIONER BRISÉ:** So I think maybe this  
22 slide, and I don't have the number, use Facebook Live to  
23 amplify messages may address the effectiveness of the  
24 communications; right? I mean, because you want to know  
25 if you make that investment in the communications, how

1 effective is the communication? I don't know if this  
2 storm, of the two storms that we had this summer, would  
3 be the best storms to be able to gauge the effectiveness  
4 of the communication. But from your perspective, how  
5 effective do you think the outreach to the customers has  
6 been in terms of interacting back with you or the public  
7 doing what you're asking them to do in preparation for  
8 the storm?

9 **MR. SILAGY:** So I will tell you that the  
10 reaction from the public was very strong and positive  
11 from the standpoint of the outreach. We actually did  
12 robocalls, as an example, to all of our customers more  
13 than once. And, you know, most people don't like  
14 getting robocalls. This was not the case. We got very  
15 positive feedback on that. Facebook and Twitter was,  
16 you know, two-way communication. So that was very good.

17 How do customers respond and prepare? Much  
18 harder for me to answer. We had customers say, "You  
19 know what? I wasn't doing anything until I actually got  
20 that second robocall, and then my wife said, 'You know  
21 what? We're packing up and leaving.'" Right?

22 And so there was -- clearly it made some  
23 difference. I think we can continue to do more, and  
24 we're trying to measure that. But, you know, our latest  
25 customer stat, which still is reflective of some of

1 this, you know, is 96 percent on resi and 93 on  
2 business. So, you know, I think it's cumulative, but I  
3 think our customers want to know that we're looking out  
4 for them without being too intrusive, and there's a  
5 balance there.

6 **COMMISSIONER BRISÉ:** Sure.

7 **MR. SILAGY:** But when it comes down to storms,  
8 I almost think it's hard to be too intrusive. I think  
9 from a safety standpoint it's too important.

10 Figuring out ways to coordinate with the state  
11 and federal government on this too, and local  
12 governments, will be important, and engaging the media,  
13 the media itself. And we do that, frankly, through a  
14 storm dry run, which I will formally invite all of you  
15 again. You're welcome to come down and spend as much or  
16 as little time. But, you know, we have 9,000 roughly  
17 employees in the state. They all have a storm  
18 assignment. Everybody has a job. I also make sure  
19 that -- I encourage them repeatedly to make sure they  
20 have their own personal plan and their family's plan  
21 because, frankly, I need them to take care of their  
22 families first, and then I need them to go back to work  
23 to get our customers back up. And so we work closely on  
24 that. And then constantly trying to push ourselves and  
25 figuring out how can we be better at the communications

1 because it is very dynamic in doing that.

2 **CHAIRMAN BROWN:** Yeah. Thank you. Excellent  
3 job. Thank you so much for your time.

4 **MR. SILAGY:** No problem. Thank you.

5 **CHAIRMAN BROWN:** Thank you. And,  
6 Commissioners, any last questions before we move on?

7 Again, thank you for your time. Appreciate  
8 it.

9 **MR. SILAGY:** You're very welcome.

10 **CHAIRMAN BROWN:** All right. Next up, Mr. Stan  
11 Connally. Come on down.

12 **MR. CONNALLY:** Good afternoon.

13 **CHAIRMAN BROWN:** Good afternoon.

14 **MR. CONNALLY:** Commissioner Patronis left.  
15 He's the only --

16 **CHAIRMAN BROWN:** He did. I think he did that  
17 on purpose. He's like, "It's just Stan."

18 (Laughter.)

19 **MR. CONNALLY:** Madam Chair, if you don't mind,  
20 I may bring that back up when he comes back.

21 **CHAIRMAN BROWN:** Please do. Please do.

22 **MR. CONNALLY:** Look, I figure --

23 **CHAIRMAN BROWN:** We could just hold off now  
24 and wait for him and be very, very patient.

25 **MR. CONNALLY:** No, no, no. We can move on.

1 Look, maybe that's a sign that, like others of you,  
2 you've had enough of Gulf Power Company in the last six  
3 months.

4 **COMMISSIONER POLMANN:** Oh, no.

5 **MR. CONNALLY:** I'm going to work to get us  
6 back on track.

7 **COMMISSIONER POLMANN:** I was really looking  
8 forward to a hearing.

9 **MR. CONNALLY:** I know you were. I know you  
10 were. And maybe one day way into the future we'll give  
11 you that opportunity. No time soon, I hope.

12 So, look, I want to -- look, at some point all  
13 of us could say ditto to a lot that you're hearing here,  
14 and I appreciate --

15 **COMMISSIONER POLMANN:** The Chairman loves that  
16 word.

17 **CHAIRMAN BROWN:** I do.

18 **MR. CONNALLY:** You've used it before. We've  
19 heard.

20 Look, I do want to call out a special ditto  
21 and thank these guys over here in the corner, Bryan and  
22 Leo, for their work on behalf of our state. We all are  
23 teammates in a bigger conversation about restoring our  
24 state in events like this. And many times, whether it's  
25 in South Florida or North Florida, we don't always get



1 to see what each other is doing, but these are the folks  
2 who are always at the tip of that spear. And I want to  
3 thank them again from Gulf Power Company's perspective  
4 in Northwest Florida for all they do.

5 And this Commission, I mean, you're members of  
6 the team. And I think as we communicate better, learn  
7 and grow together better, these kinds of forums really  
8 do produce new ideas. I took several notes just sitting  
9 back there listening to Eric talk, and I'm sure we'll do  
10 that with each other throughout the day.

11 **CHAIRMAN BROWN:** Good.

12 **MR. CONNALLY:** So, look, Gulf Power's  
13 presentation is really more about a culture of  
14 preparedness. I'm going to spend a little bit more time  
15 proportionally talking about customers and  
16 communications than I did last year because I think that  
17 is one of the focus areas you wanted us to spend some  
18 time on this year.

19 **CHAIRMAN BROWN:** Yes. Thank you.

20 **MR. CONNALLY:** And as I talk about a culture  
21 of preparedness for Gulf Power Company, it always starts  
22 with safety. And in events like this we've got to keep  
23 safety at the forefront, not just of our own teammates  
24 but of the public at large. And as you're going to  
25 hear, in any type event, whether it's a hurricane or

1 it's an ice storm, there are safety risks to our state,  
2 and we've got to be at tip of the spear helping manage  
3 that and helping lead safety for our communities, but  
4 really focusing really hard on the recognition that this  
5 is about restoring hope at times to some communities.  
6 And that sounds a little Pollyanna to say that, but I've  
7 lived enough of these storms and gone through enough of  
8 these where you're days into it and people don't know  
9 what to do next, whether it's return to school or return  
10 to work or return to home. And we are at the tip of  
11 that wanting to make sure we're helping restore hope.

12 And so that culture of preparedness really  
13 goes year-round. And as it relates to communications, I  
14 can't help but say that's for all of us, not just Gulf  
15 Power, an everyday communications objective to make sure  
16 we're getting customers the information they need when  
17 they need it as easily as they need it and, you know  
18 what, in the way that fits them best.

19 And the definition of ways that fits them best  
20 is changing so much. It's not just generational. It's  
21 technology driven. And we have to be flexible with how  
22 we're communicating with customers not just on blue sky  
23 days where you've got a family that's just logging on to  
24 help pay their bill. It's really during these storm  
25 events because you never know what the right

1 communication channel is going to be for a particular  
2 customer, so you've got to use them all and hope that  
3 you're touching every customer the way they want to be  
4 reached and communicating in a two-way form.

5 **CHAIRMAN BROWN:** And, Mr. Connally, I'm sorry  
6 for interrupting, I hope you don't mind, but, you know,  
7 as Gulf Power is one -- you know, a part of the larger  
8 Southern system, I'm curious how you interact with  
9 Southern in storm preparedness. Because obviously Gulf  
10 is the leader of the Southern Companies in storm  
11 preparedness and how that -- how you interplay with each  
12 other during a storm like Hermine.

13 **MR. CONNALLY:** Oh, sure. And I can give you  
14 some examples as we go. But on a general basis, and  
15 I've got Paul Tally here with me today, he's one of our  
16 storm leaders, they are constantly interfacing within  
17 the Southern Company family on storm preparedness. Now  
18 that relates to the bigger Southeast Electric Exchange  
19 teamwork that we have among all the utilities. But  
20 within the Southern Company we have our own mobilization  
21 plans because, first and foremost, we can call on the  
22 Southern Company teammates to come help us. And so if  
23 Gulf Power has an issue, we obviously have our own  
24 in-house team to the west, to the north, and to the east  
25 that we call on. So we've got to have that plan greased

1 all the time, whether it's logistics, whether it's  
2 manpower, whether it's communications, and there are  
3 times we transfer communications to each other. And so,  
4 yes, I think the Southern Company benefit we have is it  
5 gives us that bigger body of a team that we can work  
6 with.

7 **CHAIRMAN BROWN:** Has AGL, the acquisition of  
8 AGL had any effect on that interplay?

9 **MR. CONNALLY:** So far not as much. It's still  
10 very early in that engagement. But obviously during  
11 Matthew one of at AGL's subsidiaries, Florida City Gas  
12 in Hialeah, was impacted, and the electric side of  
13 Southern Company was able to offer help where we could,  
14 whether it was communications or logistics. I think we  
15 will benefit each other that way along the path.

16 **CHAIRMAN BROWN:** Thank you.

17 Commissioner Patronis, you're back.

18 **COMMISSIONER PATRONIS:** I am.

19 **CHAIRMAN BROWN:** Good.

20 **MR. CONNALLY:** Just in time to talk about his  
21 own territory; right?

22 **COMMISSIONER PATRONIS:** I didn't want to  
23 distract him.

24 (Laughter.)

25 **MR. CONNALLY:** I think Leo did a very nice job

1 of kind of giving the range of natural disasters and  
2 manmade events across our state. These are just a few.  
3 The one you did not list was ice storms. And maybe  
4 we're the only in the state that has experienced that.  
5 I never thought we'd experience an ice storm when I came  
6 to work at Gulf Power Company, but back in 2014 we did.  
7 And so we have to be prepared year-round, not just for  
8 wind but for ice and floods as well. So I just wanted  
9 to point out that it's that wide variety of things we  
10 have to be prepared for.

11 So, look, as I transition here, I'll spend  
12 just you a brief moment on our system, making sure we  
13 continue to do the right things around storm hardening.  
14 We, too, have invested in our network, our grid in ways  
15 much like Eric described and much like you're going to  
16 hear from others.

17 Just a couple of highlights. On our  
18 transmission network, we continue to ensure that every  
19 new transmission investment we make is at extreme wind  
20 loading kinds of criteria. Making sure the old wooden  
21 crossarms are replaced with the steel crossarms, and we  
22 will finish that this year across our entire network,  
23 across those 5,600 structures. And in our distribution  
24 system, everything we build today or everything we  
25 replace today through our storm hardening inspection is

1 at Grade B construction, which is a higher wind loading  
2 that accounts for those higher winds or ice conditions.  
3 So every single year as we build onto our system or  
4 replace an aging system, it's becoming more and more  
5 storm hardened.

6 I didn't list all the electronic devices. We  
7 are almost 100 percent now advanced meter  
8 infrastructure. Just a very few customers left to make  
9 that transition. So like you heard, we have the  
10 technology at our fingertips, not just at the customer's  
11 premise but at every point of intersection along our  
12 grid to know what's going on and how to interface with  
13 our customers and restore service. And so storm  
14 hardening is a big deal. And it really has led to not  
15 just preparations for storms, but in everyday  
16 improvement in our reliability of some 40 percent since  
17 2010. So it's delivering results even though we haven't  
18 had the major storms like we had last summer, the major  
19 hurricanes.

20 Also preparing our people. And I would --  
21 I'll go straight to Commissioner Graham's question about  
22 what might have happened here locally. I think it's an  
23 example of practice makes perfect in a lot of ways.  
24 We've already talked about the fact that the City of  
25 Tallahassee had not had an event in many, many years.

1 And I can't speak to how often they practice, I'm sure  
2 they do, but one area that I think as we prepare our  
3 people, and I'll just point out, we've traveled 36 times  
4 since 2008. That's from Texas to New Jersey. We learn  
5 something new from every time we travel. We learn  
6 something new every time we travel to a sister Southern  
7 Company facility. Every storm is different. And so I  
8 think that practice does make perfect. And while you  
9 never want one of these to happen, it's nice to have had  
10 the practice when it does happen.

11 And it's not just our linemen and women. It's  
12 our engineers. It's the team that go out and help set  
13 up staging sites, logistics, and operate as a big  
14 Southeast Electric Exchange when we do that.

15 We were very, very fortunate in the eight  
16 Northwest Florida counties to not experience any direct  
17 hit from a hurricane last year. I remember waking up at  
18 3:00 a.m. as Hurricane Hermine was hitting landfall,  
19 looking at my own outage map, and saying, "That can't be  
20 right." There was one customer off in Bay County, and  
21 that was the only customer we had in the entire Gulf  
22 Power footprint. I called the storm center, "That can't  
23 be right." They said, "No, it stayed on course and went  
24 ahead and went up through the rest of the state,"  
25 unfortunately for the rest of the state but fortunately

1 for us. So what that turned for us is an opportunity to  
2 go help.

3 **CHAIRMAN BROWN:** Right.

4 **MR. CONNALLY:** And we were able to come and  
5 help our teammates here in Tallahassee. We were able to  
6 go help Jeff and the team at FPU in Fernandina Beach, as  
7 well as help our sister company, Georgia Power Company,  
8 during both storms.

9 And, look, I'm proud of the men and women that  
10 work for our company. Remember, this week -- the 18th  
11 was National Line Worker Appreciation Day. I know we'll  
12 have one within our own state here later in the summer.  
13 But those men and women work so hard. As Eric said,  
14 they build an awful lot of pride in going to help  
15 others. They're leaving their own families to go help  
16 others get the lights back on. And it's nice when  
17 they're recognized for that. Our industry association,  
18 the Edison Electric Institute, does have awards to  
19 recognize utilities when they do that. And it's not  
20 about Stan Connally, it's not about our VPs, it's not  
21 about our managers. It's about the men and women on the  
22 trucks and the folks that make it happen. And we're  
23 honored to recognize them, and we were recognized in  
24 2016.

25 **CHAIRMAN BROWN:** That's great.



1           **MR. CONNALLY:** Then transitioning to our  
2 customers. And, look, I think it's just so important  
3 that we continue to think about how our customers are  
4 prepared for, how they deal with, and how they respond  
5 after a storm. I'll tell you, one of the greatest fears  
6 I have for Northwest Florida is we haven't had a major  
7 storm in ten years or longer now, and a significant  
8 portion of our residents don't know what the aftermath  
9 of a storm looks like. And whether that's transitioning  
10 military, and we're heavy military in our area, and the  
11 families that come in and out, or just people that just  
12 weren't there ten years ago, them being prepared for a  
13 storm, I think, is vitally important for our  
14 communities. We take that very seriously.

15           You see in customer engagement before the  
16 storm a variety of ways we try to do that in partnership  
17 with our communities, with our media. But I, again,  
18 think helping our customers get ready not just for how  
19 we're going to respond but how they should be responding  
20 and what they should be expecting is really, really  
21 important.

22           **CHAIRMAN BROWN:** Well, and you say expecting.  
23 Customers don't understand the 72 hours. Okay? And so  
24 how do you get that message across to prepare? You do  
25 it at the beginning of the hurricane season. Do you do

1 it year-round? I see right here you've got this app  
2 now --

3 **MR. CONNALLY:** We do.

4 **CHAIRMAN BROWN:** -- which I think is -- that's  
5 excellent. I think that's something for a lot of these  
6 folks that have not faced a hurricane or a severe storm  
7 in their entire time in Bay County.

8 **MR. CONNALLY:** Right. Well, look, I think  
9 just public service announcements that talk about here's  
10 how you need to expect the storm to impact your area,  
11 here's how you need to expect us to respond in the first  
12 12, 24, 72 hours. It might be videos that we use on  
13 social media to say, "Here's what we're doing at this  
14 point in the storm." It's embedding reporters with us  
15 as we do those kinds of things. It's reporting out on  
16 our preparation, our drills. I've got a slide in a  
17 second I'll talk about embedding the media with us on  
18 drills so they can go back and report what Gulf Power is  
19 preparing to do. It's a multitude of ways you can do  
20 that. But I think it's important that we partner with  
21 our communities because many of them are going to their  
22 county EOCs, their state or, excuse me, their city  
23 municipal officials asking questions, and they have to  
24 see us acting in unity locally, as well as in unity here  
25 at the state EOC. So I think it's just a multitude of

1 different ways you can do that.

2 **CHAIRMAN BROWN:** Commissioner Polmann has a  
3 question for you.

4 **MR. CONNALLY:** Sure.

5 **COMMISSIONER POLMANN:** I was very enthusiastic  
6 a few minutes ago with Eric's comments and now yours  
7 about how well you're doing in responding, how quickly  
8 you were able to bring customers back online, and now  
9 I'm very concerned with both comments.

10 We have a lot of people who have not been  
11 through a storm or we've been so fortunate not to have a  
12 major storm, and the concern is, and I'm saying this a  
13 little bit in jest, but, in fact, it's very real, that  
14 there may be a false sense evolving that even if the  
15 power is out, it'll be back on very quickly, that there  
16 is a lessening of concern that the power is going to be  
17 out for three days or four or a week because you're  
18 doing such a good job.

19 **MR. CONNALLY:** The bar is very high. The bar  
20 is very high, and I think that's a valid concern because  
21 we just have to remember every storm is different.

22 **COMMISSIONER POLMANN:** Well, of course it is.  
23 But people who have never been in a storm who don't know  
24 --

25 **MR. CONNALLY:** Right.

1           **COMMISSIONER POLMANN:** So there's -- you keep  
2 telling them be prepared, be ready, get ready for three  
3 days and they have no experience. How is the industry  
4 going to continue to persuade folks that they -- every  
5 storm is different and we really need to be, no kidding,  
6 prepared for three days?

7           **MR. CONNALLY:** Well, just to qualify, I think  
8 we're very careful about saying be prepared for three  
9 days.

10          **COMMISSIONER POLMANN:** Well, I understand  
11 that.

12          **MR. CONNALLY:** You understand that, and I  
13 think our state has to be cognizant of that. I  
14 absolutely agree that the sooner we can get the lights  
15 back on with aggressive targets, it pushes us all to be  
16 better. Right?

17          **COMMISSIONER POLMANN:** Of course.

18          **MR. CONNALLY:** Aggressive targets absolutely  
19 make you push to get logistics, get people you need.  
20 But I think as storms approach, we've got to be very  
21 transparent with our customers and our communities to --  
22 I lived through Hurricane Katrina in coastal  
23 Mississippi. I actually was in Gulf Port, Mississippi.  
24 I stayed there working for Mississippi Power Company.  
25 There was no doubt in anybody's mind when that storm was

1 approaching, and the communities and the utilities were  
2 communicating, "This isn't your average storm. Number  
3 one, leave." And I think our governor and our state  
4 officials play a huge role in getting that message out.  
5 And I think our governor has done an excellent job over  
6 the last few years of helping promote those kinds of  
7 actions. But it takes a coordinated message of "This  
8 storm is not like the one you saw last time," being  
9 relative here, "let's prepare ourselves for something  
10 that's much worse, much different," and setting an  
11 expectation, though aggressive but realistic.

12 And I think we have enough experience in the  
13 industry to look at certain types of storms with flood,  
14 potential flood surge and those potential winds to say,  
15 "This isn't going to be your everyday three-day  
16 turnaround storm." We've just got to be on our toes to  
17 communicate that going into events, with the recognition  
18 that every event is different.

19 I don't personally want to overestimate how  
20 long it's going to take to get the lights back on  
21 because you'll have businesses make tough decisions  
22 about their own livelihoods, you'll have families travel  
23 maybe excessively long distances. But, frankly, I'd  
24 rather err on that side for safety reasons than I would  
25 err on the side of this one is going to be minimal.

1 I think we just have to be -- use judgment on  
2 every single storm, Commissioner, to help prepare the  
3 field, if you will, before the storm makes landfall.  
4 You have a very valid concern. Our bar is high in  
5 Florida. I'm glad you're getting great feedback from  
6 Commissioners around the state, around the country.

7 **CHAIRMAN BROWN:** Yes, oh, yes.

8 **MR. CONNALLY:** And we have an obligation to  
9 keep that bar very high. We also have an obligation to  
10 be very transparent with our customers when we see it's  
11 not going to be the same as an average storm.

12 **COMMISSIONER PATRONIS:** I just downloaded the  
13 app.

14 (Laughter.)

15 **CHAIRMAN BROWN:** Commissioner Patronis is  
16 checking out your app.

17 **MR. CONNALLY:** Very good. Very good.

18 **COMMISSIONER POLMANN:** I appreciate those  
19 comments and what Eric said. The utility overprepares.  
20 I think -- and what you're doing to get the message out,  
21 the community needs to prepare. Even though your  
22 intention is to restore power as quickly as possible,  
23 they need to be prepared because there will be customers  
24 in a bad storm that you can't restore as quickly as  
25 others.

1           **MR. CONNALLY:** Absolutely. Absolutely.

2           **COMMISSIONER POLMANN:** And those folks who may  
3 not get their power back on in one day, two days, three  
4 days.

5           **MR. CONNALLY:** Yes. And then part of that  
6 pre-storm communication, we help them understand where  
7 our focus areas are going to be.

8           **COMMISSIONER POLMANN:** Right.

9           **MR. CONNALLY:** So that if they're on the tail  
10 end of a line on a dirt road 20 miles away from a  
11 substation, that that priority may be different than the  
12 hospital -- or will be different than the hospital.

13           **COMMISSIONER POLMANN:** Of course.

14           **MR. CONNALLY:** So communicating those  
15 expectations is important.

16           **CHAIRMAN BROWN:** Thank you, Mr. Connally.

17           **COMMISSIONER POLMANN:** That's the key.

18           **MR. CONNALLY:** And, look, I think this next  
19 point on our website I think helps drive that home. Our  
20 strategy is when the storm enters the Gulf of Mexico, we  
21 very much start ramping up those conversations on our  
22 website and other applications. This is just one.

23           And I'll just point out here, you know, it's  
24 amazing how many different technologies people carry  
25 around in their pockets these days and how they want to

1 be communicated with, and all of our communications  
2 platforms have to be so flexible to interface with every  
3 single one. And we're continuing to get better with  
4 that. We launched our own new website earlier this year  
5 that helps us do even better than before.

6 **CHAIRMAN BROWN:** That's good.

7 **MR. CONNALLY:** Media relations is huge. As I  
8 said earlier, we embed media with us. Not just in the  
9 drill but also during the storm. And what you see on  
10 the right here is the media is using our tools to  
11 communicate out to customers. And I got to tell you,  
12 that really helps us keep the message consistent.  
13 Commissioner Patronis, last year you gave me a hard time  
14 for not having Panama City and Bay County on the map, so  
15 there you go.

16 **COMMISSIONER PATRONIS:** Memory.

17 **MR. CONNALLY:** I'm sorry it had to do with a  
18 real outage, but I wasn't going to let that one slip by.

19 But, look, I think here's the other thing. I  
20 think it's important that we at times produce the  
21 content that gets distributed through those media  
22 outlets.

23 **CHAIRMAN BROWN:** Uh-huh.

24 **COMMISSIONER BRISÉ:** Yeah.

25 **MR. CONNALLY:** We have videos that we can



1 produce that says, "Here's what our people are doing,"  
2 and we can provide those to the news outlet that don't  
3 necessarily have the ability to produce videos. So  
4 being very flexible, I think, is important and this --  
5 using our media friends and partners. We've obviously  
6 gotten to know them pretty well in the last six months  
7 again. So I think our media relationships are --  
8 seriously, they're as strong as they've ever been, and  
9 they are an important channel for customers and us  
10 during storms.

11 **COMMISSIONER POLMANN:** That's a key point.  
12 You are the best source of information, and that's very  
13 important.

14 **MR. CONNALLY:** Yes, they rely on us. Many  
15 times you'll see them getting weather reports not just  
16 from their own meteorologist, but during the interviews  
17 they're asking us what we're getting from our  
18 meteorologists to validate and verify.

19 EOC communications, we could all talk about  
20 this a lot. We staff every county emergency management  
21 center. Leo, you talked about it being county centric  
22 and the state supporting that. We see our role to be a  
23 critical partner in that county EOC, but also right here  
24 along with the other utilities, making sure there's  
25 consistent messaging, there's frequent messaging, and

1 that resources are at our fingertips all the time to get  
2 resources brought to us or for us to provide to others.

3 Outage map, I've hit that. I did just want to  
4 comment, because I think one of the lessons learned  
5 across the industry has been the use of these maps is  
6 growing and growing and growing. How we communicate via  
7 these maps probably has had some missteps across the  
8 industry over time as we've learned how to communicate  
9 better. Gulf Power will -- has no intention to ever  
10 turn off an outage map. There are times we have to use  
11 global restoration times when it's very widespread. But  
12 I've got to tell you, we're getting better every single  
13 year at predicting how long it's going to take for our  
14 restoration time on an individual outage basis.

15 Our own experience, when we first started  
16 using outage mapping, was -- plus or minus two hours was  
17 a reasonable metric. That no longer is the case.  
18 That's not our expectation. That's not our customers'  
19 expectation. We measure ourselves on a much tighter  
20 window now. Obviously the earlier, the better, than  
21 being late. And so we keep getting better here and we  
22 keep learning ways to communicate better with our outage  
23 mapping systems.

24 The alerts, hopefully Commissioner Patronis  
25 also loaded that here. We can, we can send you alerts

1 when the lights are not on at your home or business and  
2 give you restoration times the same way. That's a  
3 growing communications channel for us in the industry  
4 across. Social media, you heard about that already. We  
5 think it, Commissioner, it is a very important channel,  
6 and we continue to see more interaction on social media  
7 than I would have predicted.

8 For instance, during these storms, one of our  
9 sister companies, Georgia Power Company, was using  
10 social media. It overwhelmed them, the much interaction  
11 they wanted to have, so they borrowed our social media  
12 team to help support that, back to your question about  
13 how we work together. I think it's going to be an  
14 ever-growing piece of the communications network.

15 **CHAIRMAN BROWN:** And, you know, at the  
16 Commission, we are trying to absolutely grow with the  
17 social media platform and trying to take the information  
18 that we have and send it out to customers during a storm  
19 event. So we're growing too.

20 **MR. CONNALLY:** We all are.

21 **CHAIRMAN BROWN:** And we're very lean.

22 **MR. CONNALLY:** Yeah, I understand.

23 **COMMISSIONER PATRONIS:** Chairman, I've got  
24 a --

25 **CHAIRMAN BROWN:** Yes, Commissioner Patronis.

1           **COMMISSIONER PATRONIS:** So here probably the  
2 last three or four months I'm starting to get emails now  
3 from Gulf about energy saving devices I can buy.

4           **CHAIRMAN BROWN:** Uh-oh.

5           **COMMISSIONER PATRONIS:** And -- but, you know,  
6 hear me out now. And it's like a sales pitch. But  
7 what's happening is the pitch that they're making is  
8 these are devices you can buy to help save on utility  
9 costs at home. So I don't know whether you know it or  
10 not, but it's kind of disarming me, so now I'm not  
11 saying, "Well, it's not" -- I don't look at it as spam  
12 as much because it might be sending me something  
13 that makes me find savings.

14          **MR. CONNALLY:** It's a conservation tip.

15          **COMMISSIONER PATRONIS:** Yeah. So, I mean, I  
16 appreciate it.

17          **CHAIRMAN BROWN:** You're going to get more now  
18 with the app.

19          **COMMISSIONER PATRONIS:** I know.

20          **CHAIRMAN BROWN:** You'll get more.

21          **MR. CONNALLY:** Look, I almost hate to point to  
22 call centers as our traditional way of communicating.  
23 In some ways it is, but it is still a form of  
24 communication that many of our customers still rely on.  
25 Like you heard Eric say, we now --

1                   **COMMISSIONER BRISÉ:** I don't mind. I used to  
2 own a call center, so --

3                   **MR. CONNALLY:** There you go. There you go.  
4 We don't have to have a customer call us anymore to tell  
5 us that their power is out, but many customers still  
6 want to call and have the conversation about how long is  
7 it going to take.

8                   While we do it, we try to steer them to a more  
9 efficient app or web platform that can serve them  
10 better, but we think we've still got to maintain this  
11 channel.

12                   **COMMISSIONER PATRONIS:** Lately when I call,  
13 y'all have been very, almost like surgical. When I call  
14 for an outage, the first thing, I get hit with a message  
15 saying, "We realize there's an outage here, here, and  
16 here." So I say, "Well, then they know what's going on  
17 and I can just hang up."

18                   **MR. CONNALLY:** That's our hope, that we show  
19 you we know what's going on.

20                   **COMMISSIONER PATRONIS:** Yeah.

21                   **MR. CONNALLY:** On online feature that we're  
22 experimenting with, and I think many other retail  
23 companies have, is chat.

24                   **CHAIRMAN BROWN:** Oh, yeah.

25                   **MR. CONNALLY:** That too has surprised me how

1 much customers want to interface with us on a chat  
2 platform. And we have not had a major storm to exercise  
3 that platform, but we anticipate it's one that we'll use  
4 even further.

5 **CHAIRMAN BROWN:** Frontier uses it.

6 **MR. CONNALLY:** This is something new. Eric  
7 talked about communicating through kiosks. We intend to  
8 pilot this for our territory, carrying this mobile  
9 trailer to shelters, to food and water distribution  
10 sites.

11 **CHAIRMAN BROWN:** Stan, this is very cool and  
12 this is part of your storm hardening plans now. Are you  
13 going to deploy more of these?

14 **MR. CONNALLY:** We're going to, we're going to  
15 experience it over the next few months. Then we'll grow  
16 the number of trailers that we have that we can deploy  
17 elsewhere.

18 **CHAIRMAN BROWN:** Great.

19 **MR. CONNALLY:** But the point is to have  
20 something else on the ground at those big gathering  
21 spots, whether -- again, like, whether it's shelters or  
22 distribution centers, that we can have conversation  
23 with. We can use those screens to pull up their home  
24 and find out the estimated restoration time. They can  
25 stand there and charge their phone with us while they

1 talk, if they want.

2 **CHAIRMAN BROWN:** This is a kiosk. This is  
3 your --

4 **MR. CONNALLY:** It's our form of a kiosk on  
5 wheels, right. And we can carry it to the right venues  
6 at the right time. So this is something we're trying.  
7 And we'll grow this fleet if it proves to be as useful  
8 as we think it is.

9 So, look, I'll end with this. This is  
10 Demetric Washington, one of our valued linemen at Gulf  
11 Power Company. This ad was used to thank our line  
12 workers and really to thank the City of Tallahassee and  
13 the other people that we worked alongside to keep our  
14 people safe during the restoration at Hermine. A  
15 powerful offense is much bigger than just the utilities,  
16 though. I talked about Bryan and Leo and our  
17 communities, this Commission, our peer utilities. I'm  
18 proud to hear that you're hearing that Florida is maybe  
19 a standard for others around the country to look at.

20 The point is we've got great men and women  
21 doing this, they've got great experience, but we've got  
22 to keep getting better. And forums like this, I think,  
23 give us ideas and ways to continue doing that. I hope  
24 and pray the eight counties that we live in in Northwest  
25 Florida don't have any storms, but we've got to be ready

1 when we do, and I think we are.

2 **CHAIRMAN BROWN:** Excellent. Thank you so  
3 much, Mr. Connally. I appreciate the presentation. On  
4 behalf of the Commissioners, thank you again.

5 Commissioners, any last questions?

6 Thank you. I'm going to have to move this  
7 along a little bit more swiftly because I know folks are  
8 probably getting a little antsy. So please don't take  
9 that, again, as me being rude. I just want to have --  
10 go right to questions to -- next up, Mr. Gordon Gillette  
11 with Tampa Electric.

12 **MR. GILLETTE:** Thank you, Commissioner Brown.

13 **CHAIRMAN BROWN:** Do you have an app, because  
14 I'm downloading it now?

15 **MR. GILLETTE:** There you go. Thank you very  
16 much for your leadership, Commissioner Brown and the  
17 other Commissioners, in having this forum. I think it's  
18 a great time of the year obviously for us to be talking  
19 about this.

20 You know the members of the Tampa Electric  
21 team mostly that are here today, but I want to introduce  
22 one new one. Gerry Chasse, will you please stand up  
23 real quick? Gerry is our vice president of energy  
24 delivery. And he comes to us from Emera Maine where he  
25 was president of the company there, and joined us --



1 he's used to fighting a little bit different kind of  
2 storm up there, but joined us right in the middle of  
3 hurricane season and fought two storms with us and did  
4 an excellent job. So we're happy to have Gerry on the  
5 team with us.

6 **CHAIRMAN BROWN:** Great. Welcome.

7 **MR. GILLETTE:** Tampa Electric is ready for  
8 storm season. We have a season storm plan. You know  
9 Tampa Electric and Peoples Gas pretty well. We serve a  
10 million customers in and around the Tampa area for  
11 electric and all around the state for Peoples Gas. But  
12 we feel that we are part of something bigger in Florida.  
13 The cities that we serve are very important for us to  
14 communicate with, and all of the other utilities in the  
15 state are part of the statewide family.

16 And I will tell you, we work very hard to stay  
17 connected. In the cities of our service territory  
18 during the three named storms that we had, I talked to  
19 every single mayor at one point or another in  
20 preparation for the storms. And we strive to be a very  
21 strong partner with the utilities. Like the other  
22 utilities that you've heard from, we helped Duke in the  
23 Carolinas, we were at JEA, and interestingly enough, we  
24 were also on Grand Bahama Island, which is one of the  
25 Emera sister companies now. And so we did a lot of

1 mutual assistance this year, and we're very, very proud  
2 of that.

3 **CHAIRMAN BROWN:** And you have Barbados too  
4 now.

5 **MR. GILLETTE:** We do.

6 **CHAIRMAN BROWN:** So you're going to be active  
7 during hurricane season.

8 **MR. GILLETTE:** That's right. There's actually  
9 four islands, Dominica and St. Lucia as well, that are  
10 part of the Emera family of companies.

11 **CHAIRMAN BROWN:** What are those restoration  
12 times like?

13 **MR. GILLETTE:** Well, on Grand Bahama probably  
14 a quarter of the system was wiped out.

15 **CHAIRMAN BROWN:** Yeah.

16 **MR. GILLETTE:** And we had crews there from  
17 Tampa Electric, Emera Maine, Nova Scotia Power had crews  
18 there, Emera Utility Services had crews there. The  
19 estimated time to restore, if we wouldn't have come and  
20 helped --

21 **CHAIRMAN BROWN:** Oh, yeah.

22 **MR. GILLETTE:** -- was probably six to ten  
23 months. We were able to get customers back in 37 days.

24 **CHAIRMAN BROWN:** Oh, my gosh.

25 **MR. GILLETTE:** Now that isn't -- I mean,

1 that's really tough --

2 **CHAIRMAN BROWN:** Yeah.

3 **MR. GILLETTE:** -- by our standards in the  
4 United States. But I can tell you that the folks in  
5 Grand Bahama were very, very pleased with what we were  
6 able to do.

7 **CHAIRMAN BROWN:** Commissioner Patronis.

8 **COMMISSIONER PATRONIS:** So do you literally  
9 have to deploy trucks via --

10 **MR. GILLETTE:** Barge.

11 **COMMISSIONER PATRONIS:** -- barge?

12 **MR. GILLETTE:** Yeah. We sent 15 trucks over  
13 on a barge, 50 employees went over on a boat and showed  
14 up there, and some of them were there the whole 37 days.

15 **CHAIRMAN BROWN:** Yeah. So Tampa Electric  
16 is -- I mean, obviously all of the utilities are in  
17 flood areas, and Tampa Electric specifically -- where I  
18 personally live, it floods tremendously during a storm,  
19 before a storm, I mean, all the time. What kind of  
20 events did you face in the Tampa area during Matthew?

21 **MR. GILLETTE:** We were actually very  
22 fortunate. With the three named storms, we didn't have  
23 a great deal of flood that we dealt with. Interestingly  
24 enough, at Peoples Gas we dealt with flooding in our --

25 **CHAIRMAN BROWN:** Uh-huh. In St. Augustine?

1           **MR. GILLETTE:** -- in our Jacksonville  
2 division, St. Augustine. Eric was showing the  
3 substation, the electric substation. We serve gas in  
4 St. Augustine, and we had five to seven feet of flood  
5 waters in St. Augustine. And the challenge with gas is  
6 that when our equipment and when customers' meters and  
7 their equipment in the home is inundated with water, you  
8 can have backflow of sea water and water into lines and  
9 pilot lights go out.

10           And restoring gas is a more interesting  
11 process. Gas tends to be somewhat more reliable than  
12 electricity because it's all underground except for when  
13 it floods. And what you've got to do is go to the home,  
14 turn off the gas service --

15           **CHAIRMAN BROWN:** Manually.

16           **MR. GILLETTE:** -- manually until you restore  
17 pressure and get the water out of the pipes, and then go  
18 back. And so there's two visits to the home, and the  
19 homeowner has to be home to relight the pilot light.  
20 And so quite an experience for us.

21           And we actually did our own form of mutual  
22 assistance. Fortunately Peoples Gas is all over the  
23 state, and so we brought over 40 team members into  
24 St. Augustine to help with the restoration on the gas  
25 side there.

1           We're preparing year-round obviously  
2 strengthening our system, preparing our people, and then  
3 when the storm comes, restoration and response to the  
4 storm.

5           Our -- some of our successes, obviously we're,  
6 as I said, we're very proud to have helped the other  
7 utilities in the state. One of the things that's been  
8 talked about a little bit here is the updating -- is the  
9 work on mutual assistance agreements in the state. We  
10 are -- we have mutual assistance agreements with all the  
11 other utilities in the state. Some of them are a little  
12 old, so we're updating ours. And as a matter of fact,  
13 there's an organization in the state, the Florida  
14 Coordinating Group, that you probably know mostly for  
15 doing a lot of governmental relation stuff on  
16 environmental issues and Department of Transportation.

17           **CHAIRMAN BROWN:** FCG; right?

18           **MR. GILLETTE:** The FCG, which, by the way, was  
19 the precursor to the FRCC, which is the reliability  
20 organization. But they split and -- but FCG still  
21 exists. And actually there was a form of mutual  
22 assistance agreement that was created at the FCG back in  
23 the 1980s that most of the utilities signed between each  
24 other, and we've had a team at the Florida Coordinating  
25 Group working together to try and update some of those

1 agreements, provide some guidance, share best practices.  
2 It's a work in progress, but I think the communication  
3 at the FCG is good amongst the utilities I'm at.

4 **CHAIRMAN BROWN:** You're chairman -- right? --  
5 of the FCG?

6 **MR. GILLETTE:** Yeah, I'm chairman until May,  
7 and I'm handing it over to Lisa Johnson from Seminole.

8 **CHAIRMAN BROWN:** Good.

9 **MR. GILLETTE:** And so, let's see, what else?  
10 A little bit on Peoples Gas. This is some of the  
11 mapping. We've got state-of-the-art mapping at Peoples  
12 Gas. We do a lot of work in place. This happens to be  
13 Miami-Dade, and it shows our regulator stations, and in  
14 blue there with the R's and our gate station, which is  
15 the green star. So we know all throughout our service  
16 territory the areas that are expected to be impacted by  
17 floods. And I mentioned St. Augustine and the  
18 40 employees.

19 **CHAIRMAN BROWN:** Uh-huh.

20 **MR. GILLETTE:** Just a little bit more on  
21 Emera. You know, obviously we worked together very,  
22 very well together on Grand Bahama, and we look to do  
23 that in the future together.

24 In terms of our lessons learned in mutual  
25 assistance, probably the most important one, as we did

1 the work on our system this year and as we worked on  
2 other utility systems, what we were reminded of is that  
3 you can have all of the resources in the world, crews  
4 and trucks from all over the place there, but if you  
5 aren't assessing the damage and getting the work orders  
6 out and planning the work of those crews, it won't be a  
7 successful restoration. And really that is the  
8 responsibility of the home utility. And so across the  
9 state, that's -- I really think that's what we've all  
10 got to work on is being sure that at the home utility we  
11 have folks trained in damage assessment, we're, you  
12 know, we're doing our tree trimming, and we're -- and we  
13 have our logistics right to produce the work orders.

14 We, too, have strengthened our system, and you  
15 can see our numbers in terms of what we've spent since  
16 2004 and our plans for spending going forward. We, too,  
17 do a lot of drilling. And our mock storm is next week  
18 actually, April 24th. And we are not only going to be  
19 doing it with Tampa Electric, but obviously the local  
20 EOCs and the communities that we, that we serve.

21 **CHAIRMAN BROWN:** I think, I think Gulf Power  
22 had a really good suggestion of inviting the media to  
23 kind of -- because it does get that message out there to  
24 the residents and invite them to the training so that  
25 they see what you all do.

1           **MR. GILLETTE:** Right, right.

2           **CHAIRMAN BROWN:** I've been a part of it, and  
3 it's very educational.

4           **MR. GILLETTE:** Right. It's another form of  
5 communication --

6           **CHAIRMAN BROWN:** Yeah.

7           **MR. GILLETTE:** -- to be sure. And on this  
8 slide, we cover those very important damage assessment  
9 resource management things. Stan talked about it.  
10 Communications is the last key to the restoration phase.

11           We, too, have a lot of new technology on our  
12 system that we're very proud of. This is our mobile  
13 command center. And we also have introduced a new thing  
14 called a Fort, which is a rigid temporary structure that  
15 can be erected. We have seven of these on our system.  
16 And we can set up -- set these up at incident bases and  
17 have, you know, basically offices and radio  
18 communications and those kinds of things as well.

19           We, too, are modernizing our system and our  
20 grid. Probably the most important development for us  
21 was bringing our new SAP customer relationship  
22 management system online in January. And the team did a  
23 great job, a lot of work over New Years, bringing it  
24 online and then a lot of work after to make sure that it  
25 was a smooth implementation. And I'm very proud to



1 report that the team did a very good job. At some  
2 points we had as many as 800 people working on the  
3 implementation of that system. And it's an important  
4 part of the modernization of our system with our pilot  
5 program and our AMI meters and all that we're doing,  
6 like the other utilities, to automate our system moving  
7 forward.

8 **CHAIRMAN BROWN:** What is your -- to get all of  
9 the system on AMI, what's your time frame?

10 **MR. GILLETTE:** We're looking at 1919 -- I  
11 mean, 2019 to 2020 as our time period. Like I say, we  
12 already have a pilot program. Meters have been  
13 deployed. The next big step for us, and we're going to  
14 be -- this will be another big IT project, is working on  
15 building the interface, which we call meter data  
16 management, between our new CRM system and to be able to  
17 talk to those meters on the field.

18 One of the things that is also kind of  
19 positive for us is we have had a radio communication  
20 mesh network on our system for some time. We installed  
21 voltage control on our system and it required that mesh  
22 network. And so all of the radio communication  
23 background -- backbone is in place as we install the AMI  
24 meters going forward.

25 **COMMISSIONER BRISÉ:** Quick question. The CRM

1 here --

2 **MR. GILLETTE:** Yes, sir.

3 **COMMISSIONER BRISÉ:** -- what does CRM stand  
4 for? Is that customer relation management?

5 **MR. GILLETTE:** Yes, sir.

6 **COMMISSIONER BRISÉ:** Okay.

7 **MR. GILLETTE:** Yes, sir. And there are  
8 different flavors of that. What we installed was a  
9 product by SAP.

10 **COMMISSIONER BRISÉ:** SAP?

11 **MR. GILLETTE:** Communication with customers,  
12 you've heard -- Stan did a great job on that -- key. We  
13 are very involved in social media as well. And as part  
14 of our storm communications, we provide customers with  
15 helpful information on restoration, but also obviously  
16 safety is key as well.

17 Commissioners, we really thank you for, again,  
18 your interest in this topic, and Tampa Electric is proud  
19 to be a part of this today. Thank you.

20 **COMMISSIONER BRISÉ:** Thank you for being here.

21 **CHAIRMAN BROWN:** Gordon, thank you so much for  
22 being here today with us and for supporting these  
23 efforts and taking the lead on a lot of issues.

24 Commissioners, any questions?

25 Thank you for a great job.

1           **MR. GILLETTE:** Thank you. Thank you.

2           **CHAIRMAN BROWN:** All right. Next up -- and,  
3 again, please be -- thank you for being patient with us.  
4 We're going to kind of expedite this a little bit, but  
5 this is very important and interesting material to all  
6 of us. Yes.

7           Mr. Harry Sideris, welcome to the Florida  
8 Public Service Commission.

9           **MR. SIDERIS:** Good to be here. Thank you.  
10 Thank you, Commissioners.

11           **CHAIRMAN BROWN:** You hail from North -- we'll  
12 make it easy on you. Okay?

13           **MR. SIDERIS:** Yeah. Thank you.

14           **CHAIRMAN BROWN:** So you hail from North  
15 Carolina.

16           **MR. SIDERIS:** Right.

17           **CHAIRMAN BROWN:** So you got to face -- you're  
18 with the company for how many years?

19           **MR. SIDERIS:** Yeah, 21 years now.

20           **CHAIRMAN BROWN:** Twenty-one years. Engineer  
21 by background?

22           **MR. SIDERIS:** Yeah, engineer by background.  
23 Matthew came to visit me in North Carolina even though I  
24 wasn't in Florida. He was a little bit more mean up  
25 there, I guess, with the flooding and the customers up

1 there.

2 **CHAIRMAN BROWN:** Right, right. Well, welcome.

3 **MR. SIDERIS:** So I've got a lot of experience  
4 with hurricanes.

5 **CHAIRMAN BROWN:** And there's a lot of folks in  
6 here that have been with Duke for a while, I'm sure.  
7 And so welcome and just hit it off.

8 **MR. SIDERIS:** Great. Well, thank you.

9 And I, too, I can say ditto, and I'm going to  
10 sound like a broken record, but I wanted to thank the  
11 emergency management folks, the Commissioners, and my  
12 fellow utilities. This is a team effort. Hurricanes  
13 are a team effort, team sport, so we all, we all do  
14 that.

15 So I'm going to touch on the three key  
16 messages around communication. I'm going to start off  
17 with communications. And like the other utilities, we  
18 focus on communications in multiple ways. We embed our  
19 communication folks in the field with the operations  
20 folks in the most hazardous areas or the most damaged  
21 areas so they can be there on the ground, they can see  
22 it with their own eyes when they communicate.

23 The key messages we try to get out are, you  
24 know, before the storm comes, we want people to start  
25 preparing; have safety plans for their families; get

1 out, if they need to; also start preparing them for  
2 outages, what's going to happen when the storm goes  
3 through, what they can expect on their electricity.

4 During the storm, we want to put them at ease.  
5 This is a stressful time for them. We want them to feel  
6 comfortable that we've got it under control, that we're  
7 doing our best to help them. We want to keep that  
8 communication link going fast. We want to show the  
9 damage so they understand what we're facing, and we also  
10 want to show the recovery and the work that we're doing  
11 to restore their power.

12 The world has changed a lot, as we talked  
13 about earlier. We have to use multiple, multiple  
14 channels, including: The traditional media, which we  
15 had during Hurricane Matthew 155 news releases in ten  
16 days; to social media, which I'll talk about more in  
17 detail; the robocalls, 550,000 robocalls, 1,800 of those  
18 to medical folks that needed to ensure their power and  
19 their backup power were in good shape to handle their  
20 medical facilities.

21 **CHAIRMAN BROWN:** You know, I stopped by Duke's  
22 EOC during Hurricane Matthew to see what was happening  
23 there, and it was just such a, again, kind of like the  
24 state EOC, just a seamless event and very impressive.

25 **MR. SIDERIS:** Yeah. We like to call it

1 coordinated chaos, like a ballet. Everybody knows what  
2 they're doing and they're doing it.

3 We mentioned the EOCs earlier. So we also  
4 staff with Duke employees all 28 county EOCs that we're  
5 involved in as well as the state EOCs.

6 So I'll touch on a couple of these  
7 communication mechanisms a little bit more in detail.  
8 So email is a big, big communication target for us. So  
9 during Hurricane Matthew, over a million customers  
10 received emails. These came in several stages: Warning  
11 them of what to do, that we're watching the storm, it  
12 could potentially impact you; to it's definitely going  
13 to impact you, here's what you need to start thinking  
14 about; to it has impacted you, this is what we're doing  
15 to help you; and then at the end we wanted to thank them  
16 for being our partner throughout the chaos there.

17 **CHAIRMAN BROWN:** Uh-huh.

18 **MR. SIDERIS:** What we implemented is a  
19 dedicated website for each of the named major storms.  
20 So during Hurricane Matthew, the website received over  
21 140,000 views. This was kind of the central location to  
22 get to our outage maps and other things. We had over  
23 half a million people look at our outage restoration  
24 maps. And as you can anticipate, most of those came  
25 from the smartphones because their desktop computers, if

1 anybody has any anymore, weren't working. So about 80  
2 percent of it's coming through the mobile devices now.

3 **COMMISSIONER BRISÉ:** Let me ask a question  
4 about that. Thank you, Madam Chair.

5 **CHAIRMAN BROWN:** You're welcome.

6 **COMMISSIONER BRISÉ:** So do you all go back and  
7 look at the data analytics surrounding the emails that  
8 were opened to see if they correspond with the area  
9 where the storm actually hit and all that?

10 **MR. SIDERIS:** Yeah. We look at all those --  
11 we look at so much data. We look at the email data, who  
12 hit the website, where they were at, what they were  
13 tweeting, what they responded to on Facebook.

14 **COMMISSIONER BRISÉ:** Okay.

15 **MR. SIDERIS:** So we used that to get better  
16 and target it better in the future for storms.

17 **COMMISSIONER BRISÉ:** All right. Cool. Thank  
18 you.

19 **MR. SIDERIS:** The next slide here shows what  
20 we did on our home page. Again, just kind of giving  
21 them an update and the timeline of the storm of where  
22 they are versus, you know, the beginning phases versus  
23 the end just to keep them informed.

24 We use a lot of advertisements and public  
25 service announcements. This was mainly in media and

1 radios in, in the areas that were hit. These were your  
2 typical messages that you hear over the radio letting  
3 you know that, you know, we're out there working, make  
4 sure you stay safe, make sure that you're doing the  
5 right things to protect your family.

6 **CHAIRMAN BROWN:** Uh-huh. Even on Pandora.

7 **MR. SIDERIS:** Even on Pandora.

8 Then finally the social media. This is  
9 obviously something you -- the last batch of storms,  
10 which I happened to live through in 2004 and 2005 when I  
11 lived here before. Actually Hurricane Wilma almost  
12 ruined my marriage.

13 **CHAIRMAN BROWN:** Oh, that's --

14 **MR. SIDERIS:** Or my wedding, not my marriage.

15 (Laughter.)

16 Yeah, almost prevented my marriage, yeah.  
17 But, you know, it was heading for Clearwater. It  
18 decided to take a vacation in the Yucatan Peninsula, so  
19 that was good.

20 **CHAIRMAN BROWN:** That's good.

21 **MR. SIDERIS:** Everybody got to come. We got  
22 married, and then it took a right turn into the Miami  
23 area.

24 But social media wasn't around back then, and  
25 this was the first batch of storms. So social media is



1 something new for our company obviously, as well as  
2 everybody else. So this was the biggest social media  
3 event that we had.

4 Just to put it in perspective, we got more  
5 interactions on social media during Hurricane Matthew  
6 than we did the entire year of 2015. So a lot of people  
7 wanted to see what we were doing, a lot of people used  
8 that media, so we focused our social media on really  
9 giving them up-to-the-date information showing where our  
10 crews were working, what they were doing, a lot of  
11 videos, storm direct videos. We got a lot of positive  
12 feedback on the videos. People like to hear from the  
13 storm directors.

14 **CHAIRMAN BROWN:** Yeah.

15 **MR. SIDERIS:** They like to see the linemen  
16 working out there in the field and what they were up  
17 against.

18 Storm hardening, again, this is going to sound  
19 like a broken record, but I'll quickly go through these.  
20 Like everyone else, since 2004 we spent \$2.4 billion  
21 hardening our system. This is replacing poles, trimming  
22 vegetation, and other items. In 2016 alone, we  
23 inspected over 100,000 poles, replaced over 4,000. And  
24 since 2006, we've replaced 42,000 of our distribution  
25 poles of the 800,000 that we have. So we continue to

1 make our system stronger in the classical sense here as  
2 well as through technology.

3 So Eric talked a lot about the smart  
4 self-healing grid. We've installed this as well. We  
5 saw during Hurricane Matthew and Hermine 26,000 outages  
6 were avoided by the self-healing grid. This saved about  
7 3.1 million minutes of outages. Only 23 percent of our  
8 customers are benefiting from the smart technology right  
9 now, and that's growing every day as we invest in that.

10 **CHAIRMAN BROWN:** When you say "benefiting,"  
11 does that mean that are using it or --

12 **MR. SIDERIS:** They're covered. The area that  
13 they lived in -- live in is covered under the smart  
14 technology on their distribution system, their piece of  
15 the distribution system.

16 **CHAIRMAN BROWN:** Okay. We're not -- we're  
17 talking about the AMI meters?

18 **MR. SIDERIS:** No.

19 **CHAIRMAN BROWN:** No.

20 **MR. SIDERIS:** This is, this is the  
21 self-healing network.

22 **CHAIRMAN BROWN:** Oh, okay. Sorry. Thank you.

23 **MR. SIDERIS:** AMI meters, we will start  
24 installing our AMI meters next year.

25 **CHAIRMAN BROWN:** Okay.

1           **MR. SIDERIS:** So we plan to start next year,  
2 and will be complete in the 2020 to 2021 timeframe.

3           **CHAIRMAN BROWN:** Yeah. It sounds like those  
4 are an important component of the overall smart grid.

5           **MR. SIDERIS:** Oh, absolutely, absolutely. It  
6 gives you the data, the instant data. We still depend  
7 on phones a lot, so that -- we're looking forward to  
8 having that advantage.

9                         2016, overall for the entire Florida system,  
10 164,000 outages were avoided and over 190,000 outage  
11 hours were avoided.

12                        Okay. Just like everyone else, we have robust  
13 plans, and we spend a lot of time reviewing those plans,  
14 drilling those plans. Our drills are in a couple of  
15 weeks, and we're ready for that. And we use all our  
16 employees, everybody is involved in the storm duty,  
17 they're involved in the drills.

18                        We also do a lot of lessons learned. So not  
19 just from our own storms, our sister utilities in the  
20 Carolina storms, but other utilities' storms. So we  
21 learned a lot from Hurricane Sandy, we learned a lot  
22 from Hurricane Katrina, and we implement all those items  
23 into our storm plans.

24                        Our troops on the ground, we have 500 line  
25 workers in Florida, Duke Energy line workers that are

1 here in Florida, and hundreds more of contractors and  
2 tree trimmers. We have the advantage of having about  
3 5,000 total linemen at our disposal in the Carolinas and  
4 the midwest. We utilized these folks during Matthew  
5 from the midwest. The Carolina folks were busy with  
6 their own Matthew issues. And like everyone else, we  
7 have agreements that we share with the southeastern  
8 utilities to help each other where we can.

9 **COMMISSIONER GRAHAM:** Why is your hurricane  
10 spinning the wrong way?

11 **CHAIRMAN BROWN:** He asked, "Why is your  
12 hurricane spinning the wrong way?"

13 (Laughter.)

14 **MR. SIDERIS:** Let me go back there and see it.

15 **CHAIRMAN BROWN:** He's just messing with you.  
16 Don't worry about it. Don't -- you can move along.

17 (Laughter.)

18 **MR. SIDERIS:** We're in the southern  
19 hemisphere.

20 All right. So how did we do? Moving right  
21 along. Moving right along.

22 **CHAIRMAN BROWN:** Yes, moving right along.

23 **MR. SIDERIS:** So how did we do? So during  
24 Hurricane Matthew, we had 300 -- over 300,000 customers  
25 that we restored all within 72 hours. We had 165,000 at

1 the peak of that storm. About 3,000 resources; most of  
2 those were our internal resources, like I said, from the  
3 midwest.

4 **CHAIRMAN BROWN:** Do you know what that  
5 percentage is of your overall customer base, the  
6 316,000?

7 **MR. SIDERIS:** We have 1.8 million customers  
8 total. Now this number is a little deceiving because  
9 some people got power, then lost power, and they're  
10 moving around.

11 **CHAIRMAN BROWN:** Right.

12 **MR. SIDERIS:** So the 165 is probably a better  
13 number of the --

14 **CHAIRMAN BROWN:** You were affected.

15 **MR. SIDERIS:** Yeah. And then we met all our  
16 restoration times, or 99 percent of our restoration  
17 times during the process. So giving people a time and  
18 being accurate to that time is very critical.

19 We supported, like I said earlier, the 28  
20 county EOCs and the state EOCs with our employees. I  
21 think that's a very critical thing that we do to make  
22 sure the information is flowing, making sure issues are  
23 being addressed, we're getting help where we need it,  
24 others are getting help where they need it. So  
25 preparation is definitely key. I was a Boy Scout, so,

1 you know "Be Prepared" is the motto -- right? -- "Always  
2 Be Prepared."

3 **CHAIRMAN BROWN:** Did you make it to eagle?

4 **MR. SIDERIS:** No, I missed out barely.

5 **CHAIRMAN BROWN:** Oh.

6 **MR. SIDERIS:** But, you know, storms are  
7 unpredictable, and Matthew taught us that. And we were  
8 gearing up in Florida to take care of Matthew, and it  
9 ended up being a bigger impact in North Carolina. So in  
10 North Carolina we thought we were going to have about a  
11 thousand resources to deal with the storm. We ended up  
12 with 13,000. So a much bigger impact than we expected.  
13 So you've got to be agile. Your drills and your  
14 programs and processes help you be agile.

15 **CHAIRMAN BROWN:** Well, thank you so much,  
16 Mr. Sideris.

17 Commissioners, any questions? Any questions?

18 Thank you. Welcome to Florida. Welcome back  
19 to Florida, I guess.

20 **MR. SIDERIS:** Happy to be here. Welcome back  
21 to Florida, yes. It's good to be here.

22 **CHAIRMAN BROWN:** And thank you.

23 **MR. SIDERIS:** And hopefully we don't have  
24 anymore hurricanes.

25 **CHAIRMAN BROWN:** Yes. Thank you.

1           Okay. So next up we've got Mr. Jeffrey  
2           Householder, who's president of the Florida Public  
3           Utilities Company. Welcome, Mr. Householder.

4           **MR. HOUSEHOLDER:** How are you?

5           **CHAIRMAN BROWN:** Good. How are you doing?

6           **MR. HOUSEHOLDER:** I'm good. I want to  
7           apologize right upfront for not having a mobile app, but  
8           I assure you next year --

9           (Laughing.)

10          I'm talking with my communications people back  
11          here, and they're probably working on it right now.

12          **CHAIRMAN BROWN:** That's right. Those are  
13          cool.

14          **MR. HOUSEHOLDER:** Yeah, they are good. They  
15          are good. I'm going to be hopefully fairly brief here.  
16          I mean, you guys have heard about all there is to hear  
17          about hurricane preparedness.

18          We serve primarily natural gas and propane  
19          customers in Florida, but we do have a couple of  
20          relatively small electric distribution areas, one of  
21          them to the west of here in a three-county area and the  
22          other one on Amelia Island.

23          **CHAIRMAN BROWN:** Uh-huh.

24          **MR. HOUSEHOLDER:** And so we certainly take our  
25          responsibilities to be prepared for storms in all those

1 areas quite seriously. And, in fact, we work a number  
2 of storms every year, not hurricanes, but it's amazing  
3 the squall lines that come through both of those of  
4 service areas. So we're out restoring service quite  
5 often. We get a lot of, a lot of preparation and  
6 restoration work.

7           Again, you've heard about -- you've heard many  
8 companies describe their preparation, their activation  
9 activities, their restoration, and the business  
10 continuity plans they have. Ours are very similar.  
11 And, in fact, we have begged, borrowed, or stolen from  
12 the guys over here just about as much as we can from the  
13 larger utilities with more resources. And so we do  
14 things in much the same way.

15           Our pre-storm planning starts, as others have  
16 said, with a culture of preparedness, with a culture of  
17 safety. We take that very seriously in the company. We  
18 have a number of ongoing reliability improvements. We  
19 have also invested many millions of dollars in new poles  
20 and a variety of other storm hardening activities around  
21 our system. We take the drills and the emergency  
22 preparedness planning very seriously. Our annual plan  
23 also is coming up in about two weeks, and so we'll have  
24 folks from all over the state engaged in that as well.  
25 And we are actually inviting the media. I heard that a



1 couple of places. Stan was mentioning that. And so we  
2 will engage those folks in our planning.

3 **COMMISSIONER GRAHAM:** Jeff, a quick question  
4 for you. I don't mean to pick on you because of the  
5 size of your utility.

6 **MR. HOUSEHOLDER:** Sure.

7 **COMMISSIONER GRAHAM:** Do you also drill  
8 with -- because you're surrounded both by JEA and  
9 Florida Power & Light, do you also drill with them just  
10 because of -- if anything is going to impact your area,  
11 it's definitely going to impact the two of them.

12 **MR. HOUSEHOLDER:** JEA has been our wholesale  
13 provider, wholesale power provider for a number of  
14 years, and we do have a series of discussions with those  
15 guys and we have had some drills over the past several  
16 years with them.

17 **COMMISSIONER GRAHAM:** Okay.

18 **MR. HOUSEHOLDER:** I might mention that JEA  
19 took a little bit of a beating in this last storm  
20 process. We never lost transmission service from JEA  
21 during the storm. It was pretty astounding, I thought,  
22 that they kept that service up and running. So I always  
23 pat Paul on the head every time I see him because he did  
24 a nice job for us.

25 We, again, look at storm preparation and the

1 activation of our storm plans across the state. So we  
2 have small electric distribution areas, but the natural  
3 gas and propane storm plans are, you know, fairly  
4 important to us as well. And we utilize employees from  
5 natural gas and propane areas to help us on the electric  
6 side and vice versa. Not on the technical restoration  
7 obviously but in the logistics. You know, if people can  
8 drive a truck, they can haul supplies around and make  
9 sure that the electric guys are getting what they need.

10 We go through the same process of storm  
11 watches and storm warnings, and the activation, you  
12 know, flows out in phases as these storms get closer.  
13 We have a lot of contact with the EOCs, with the local  
14 officials, significant contact with our contractors and  
15 a number of other energy partners.

16 I think Eric and Stan and others mentioned the  
17 employee family storm plans are really key for us.  
18 Obviously if your folks are worried about what their  
19 families are dealing with while they're out trying to  
20 restore service, that's a tricky thing to keep them  
21 focused. And so we spend a lot of time and effort  
22 making sure that our families are okay.

23 Let me see where I am here. Equipment, fuel,  
24 key inventory dispersal. Obviously we're on an island,  
25 on Amelia Island, so we've got a lot of -- even though

1 we've storm hardened our response center there and our  
2 operations center, we move most of those things off  
3 island and bring them back in after the storm has  
4 passed. Lots of logistics just making sure we have  
5 people fed and housed appropriately, especially when  
6 you're bringing in outside folks from other companies.

7 We have internal crews that we wind up both in  
8 other areas of Florida, as I mentioned, but also in our  
9 Delaware and Ohio operations. And so we would bring  
10 them down as we need to do that.

11 I appreciate a lot the help that Stan gave us  
12 in this last storm. He sent several guys over that were  
13 very helpful in kind of wrapping up our restoration.

14 **CHAIRMAN BROWN:** What was the restoration time  
15 on Amelia Island?

16 **MR. HOUSEHOLDER:** Well, you're one slide ahead  
17 of me, so hang on. It was, it was 50 hours. I mean, we  
18 had people back on literally in two days.

19 **CHAIRMAN BROWN:** Oh, that's --

20 **MR. HOUSEHOLDER:** Yeah, we did a nice job, I  
21 think.

22 **CHAIRMAN BROWN:** Yeah.

23 **MR. HOUSEHOLDER:** And, again, it was -- you  
24 know, our guys live for this sort of thing. They  
25 really -- they were really focused on getting people

1 back in service.

2 You know, at one point we were looking at  
3 Category 4 hurricane warnings in just about every system  
4 that we serve all the way up the coast, from Palm Beach  
5 up to Amelia Island. So we were anticipating that this  
6 could be a pretty nasty event for us, and fortunately it  
7 did not turn into that.

8 But on Amelia Island we had a real storm  
9 event. There was a mandatory evacuation on Thursday.  
10 We were getting our people off the island as everyone  
11 else was leaving. The storm actually hit on Friday  
12 afternoon.

13 And I'm fairly proud of this slide. We were  
14 the first in line to return to the island once the DOT  
15 had actually cleared the bridge for transport. I have  
16 to tell you, the sheriff is very mad at me because he's  
17 generally the first in line. He was a little late  
18 getting there, so we got our guys lined up and back onto  
19 the island first thing Saturday morning.

20 When we got onto the island, we did our usual  
21 damage assessment, both with our SCADA resources and  
22 with people actually going and physically assessing the  
23 damage. We had 90 percent of our customers were out of  
24 power, about 14,000 out of the, give or take, 16,000  
25 customers. Twelve out of the 13 circuits on the island

1 were out of service. Most of that was tree damage. We  
2 had some flooding there. But generally speaking, we saw  
3 either small tornado events or trees that were impacting  
4 the system.

5 The transmission system feeding the south end  
6 of the island where the Ritz-Carlton, the Omni, and  
7 many, many customers live were down. And we had,  
8 interesting enough, I think as Eric or someone mentioned  
9 a minute ago, we had no damage to any of the  
10 storm-hardened poles either on the distribution side or  
11 the transmission side. So, I mean, it really is a  
12 testament to what we saw on that island.

13 **CHAIRMAN BROWN:** That's great.

14 **MR. HOUSEHOLDER:** The other thing we're very  
15 proud of, we've built a small combined heat and power  
16 plant on the island, and we spent a lot of time  
17 designing that so it would be storm hardened. We  
18 actually elevated the turbine platform, we elevated the  
19 substation, we've evaluated just about everything that  
20 was important on that system, the control room. We  
21 never thought that two months after we flipped the  
22 switch and turned the unit on that we'd actually see a  
23 Category 4 storm come our way.

24 This thing sits literally 40 feet from the  
25 marsh on the bay side of the island. And so it was, it

1 was interesting for a while to see what was going to  
2 happen. Fortunately we had no damage on that system.  
3 We were able to bring it back online within three hours  
4 of being back on the island.

5 **CHAIRMAN BROWN:** Wow.

6 **MR. HOUSEHOLDER:** So we had -- even though JEA  
7 remained, remained up, we could have served a good bit  
8 of the load on the island with the CHP.

9 Let's see. I think you've heard enough about  
10 the systematic repair approaches. I mean, we, again, we  
11 do a lot of the same things that the other systems have  
12 talked about. Constant communications with our  
13 marketing, customer care folks. I mean, they in turn  
14 are relaying information out to the customers and the  
15 media and the emergency services personnel.

16 We staffed the EOC in Nassau County for, you  
17 know, 24/7 throughout Hurricane Matthew. That was  
18 actually a couple of days before and a couple of days  
19 after. We constantly monitored social media. Our guys  
20 did just a wonderful job. And we saw things here that  
21 we've never seen before. 30,000 social media  
22 interactions, and we only have, you know, 16,000  
23 customers over there.

24 **CHAIRMAN BROWN:** Wow. Yeah.

25 **MR. HOUSEHOLDER:** All of our customer

1 communications were linked to one web landing page, so  
2 we had a nice consistent, timely customer update  
3 capability. We had 11,000 visitors to that landing page  
4 in a couple of days.

5 **CHAIRMAN BROWN:** Yeah.

6 **MR. HOUSEHOLDER:** So, again, people are  
7 clearly looking for information other than the  
8 traditional call center means.

9 **CHAIRMAN BROWN:** Well, I really like your next  
10 slide, which is the lessons learned. Specifically, you  
11 can never have enough port-a-potties.

12 **MR. HOUSEHOLDER:** Yes. Well, I was going to  
13 say that's exactly right. It's always a little --

14 **CHAIRMAN BROWN:** That's a good lesson for  
15 companies to know.

16 **MR. HOUSEHOLDER:** It's the little things that  
17 kill you, and so that's exactly right.

18 **CHAIRMAN BROWN:** That's crazy.

19 **MR. SIDERIS:** Any questions? I mean, I can't  
20 top that.

21 **CHAIRMAN BROWN:** Love it. I love it.

22 **COMMISSIONER POLMANN:** Yeah. Where did you  
23 get all those?

24 **MR. SIDERIS:** Always end on the port-a-potty  
25 slides.

1           **CHAIRMAN BROWN:** Always end on port-a-potties.

2           (Laughter.)

3           **MR. HOUSEHOLDER:** We had a local contractor  
4 that brought them in, yeah.

5           **CHAIRMAN BROWN:** Mr. Householder, thank you.  
6 You've been with the company for so many years and  
7 you've seen --

8           **MR. HOUSEHOLDER:** A lot of storms.

9           **CHAIRMAN BROWN:** -- a lot of storms.

10          **MR. HOUSEHOLDER:** Right.

11          **CHAIRMAN BROWN:** And a lot of -- thank you for  
12 your efforts leading your company and coming down to the  
13 Commission.

14          **MR. HOUSEHOLDER:** Sure. We appreciate the  
15 time here today.

16          **CHAIRMAN BROWN:** Thank you. Thank you so  
17 much.

18                 All right. We've got two more up, and we're  
19 going to start with FMEA, who with us today is Ms. Amy  
20 Zubaly. I pronounced it wrong again. I can't get it  
21 right.

22          **MS. ZUBALY:** It's Zubaly. That's okay. Thank  
23 you.

24          **CHAIRMAN BROWN:** Welcome.

25          **MS. ZUBALY:** Thank you. Thank you, Madam



1 Chair and Commissioners, for having me be here. And I'm  
2 going to do a lot of dittos and echoing of the previous  
3 presenters as well. And thank you to the EOC and the  
4 state for all of the assistance that you all gave us.  
5 And the governor was very instrumental in helping us  
6 with some of the things that we went through during both  
7 of our storms.

8 I would like to offer myself a little  
9 disclaimer mostly for your questions on Tallahassee. I  
10 was not in this position during the hurricanes. I've  
11 only been in this position since the beginning of the  
12 year. My background with the association has been in  
13 government relations. And so I'm not -- I don't have  
14 the exact answers on some of the issues with  
15 Tallahassee, but I would love to bring that in to meet  
16 with you all, and that may be the better approach on  
17 some of that stuff to take. So, again, thank you for  
18 letting me be here. I appreciate that, and I appreciate  
19 --

20 **CHAIRMAN BROWN:** That sounds good. Okay.  
21 We'll take you up on that.

22 **MS. ZUBALY:** Yeah, I would like to do that. I  
23 think that would be beneficial for you all, so --

24 **CHAIRMAN BROWN:** Thank you.

25 **MS. ZUBALY:** Just a little bit of background

1 on who we are. There are 34 municipal electric  
2 utilities in Florida. We serve about 1.3 million  
3 customer meters or about 14 percent of the population.  
4 We've got large systems like Jacksonville and Orlando  
5 and Tallahassee and some very small utilities. Moore  
6 Haven is just a little over a thousand customers. We've  
7 got about five utilities overall that are less than  
8 1,500 customers. So we range in size from big and  
9 small, but combined we are the third largest utility in  
10 Florida behind Florida Power & Light and Duke. And  
11 that's just a graphical representation of the market  
12 share. And that's just a map of where our systems are  
13 located. We're as far west in the Panhandle as  
14 Blountstown and all the way down to Key West and  
15 dispersed throughout the state beyond that.

16 Just a little bit on our power supply. We're  
17 frequently asked how some of our smaller utilities  
18 generate power, and the answer is they don't. We are  
19 wholesale buyers of power. Probably about a third of  
20 our members actually generate and the rest buy from our  
21 municipals or from the investor-owned utilities or  
22 through the Florida Municipal Power Agency, which is a  
23 wholesale agency owned by municipal electric utilities.

24 **CHAIRMAN BROWN:** Uh-huh.

25 **MS. ZUBALY:** In terms of mutual aid, we've got

1 many options and a lot of resources at our disposal.  
2 You heard from some of the previous presenters that we  
3 are working on updating a statewide mutual aid  
4 agreement, and FMEA is very active in that process. And  
5 that's an ongoing, very fluid process, and we're  
6 grateful to be participating in that.

7 **CHAIRMAN BROWN:** You think you're going to  
8 have that wrapped up by hurricane season?

9 **MS. ZUBALY:** I hope. I hope.

10 **CHAIRMAN BROWN:** Does it need to be voted on  
11 by your board?

12 **MS. ZUBALY:** It's in all the attorneys' -- no,  
13 on my board, no. It's right now -- all the utilities, I  
14 think it's all in the attorneys' hands on working on the  
15 language. And once it's done, it's just a matter of  
16 getting all of our utilities to sign onto it. But we  
17 wouldn't have to adopt -- it would just -- each  
18 individual one would sign onto it.

19 We're also part of a national mutual aid  
20 network that is coordinated through our national  
21 association, the American Public Power Association.  
22 Public power and electric cooperatives across the  
23 country are part of that, and there's also different  
24 regions broken out within that as well. And so we're  
25 part of the southeast region of that.

1           And so by the numbers, this is just access to  
2 resources within Florida. These are our 56 utilities  
3 that we have, and we rely on resources across sectors.  
4 We've -- Florida Power & Light and TECO and Gulf -- I  
5 think we've relied on assistance from pretty much  
6 everybody in 2016. Nationally there's more than 2,000  
7 municipal electric utilities and more than 800 co-ops  
8 that are all part of that agreement as well that we have  
9 to rely on.

10           So I know you can't read that and that's okay.  
11 I can't either. But these are just copies -- on the  
12 left-hand side is a copy of that national mutual aid  
13 agreement that I mentioned. On the right-hand side is  
14 just a copy of FMEA's mutual aid procedures that we make  
15 sure all of our utilities have. It contains our contact  
16 information of the primary coordinators in the state as  
17 well as what to do before and after the storm if you  
18 think you might need assistance or if you have extra  
19 crews that you can lend out for assistance to others.

20           **CHAIRMAN BROWN:** So I just have a question.

21           **MS. ZUBALY:** Yes.

22           **CHAIRMAN BROWN:** From last hurricane season to  
23 this, and, of course, you were in different role, does  
24 FMEA, do they -- do you have a different approach that  
25 you all or any lessons learned that you're going to

1 implement from the past hurricane season?

2 **MS. ZUBALY:** Sure. And I can get -- I'll get  
3 through some of them. And I think some of the biggest  
4 lessons learned is focused on communications. And  
5 customer expectations on communications are not how they  
6 used to be, and that overcommunicating, as long as the  
7 information is factual and realistic, is not a problem,  
8 and that, you know, customers are wanting: How many  
9 customers are out? When is my power going to be  
10 restored? Where are your crews working? What street  
11 level? Down to that type of information. And our  
12 members are definitely working to get that information  
13 out to customers.

14 A majority of all of our members, if not all,  
15 do have social media accounts, and they're using them  
16 actively, and that's growing on a day-by-day basis. And  
17 I think, as some of the other presenters said, you know,  
18 every storm that comes through and every storm that we  
19 offer assistance to we have lessons learned and best  
20 practices to grow upon.

21 **CHAIRMAN BROWN:** Do they all have hurricane  
22 drills in place annually like our IOUs do?

23 **MS. ZUBALY:** I don't think every one of them  
24 do, but I'm not sure of that exact answer. I know many  
25 of them do. I know JEA does. Kissimmee Utility

1 Authority just had theirs last week. I know Orlando  
2 does. A lot of them may not have them just as a  
3 specific utility but as part of a city as a whole in  
4 terms of a disaster response. But I don't have the  
5 individual numbers on which utilities do and which  
6 don't.

7 **CHAIRMAN BROWN:** Commissioner Graham.

8 **COMMISSIONER GRAHAM:** It's interesting that  
9 you asked that question. I was going to ask the same  
10 question that I asked Jeff earlier about a lot of your  
11 utilities tend to be on the smaller side. And I guess  
12 the question is are you encouraging them to drill with  
13 the larger IOUs that surrounding them, that are next to  
14 them? So when you understand what they do during a  
15 hurricane, you know, then those guys know, you know, how  
16 to fit in and, you know, you don't have a bunch of  
17 people running in different directions.

18 **MS. ZUBALY:** Yeah. And, again, I don't know  
19 where each individual specific utility is in regards to  
20 running through those disasters. FMEA does have a  
21 hurricane workshop along with a lot of other forums that  
22 we have been updating members on processes and  
23 procedures since the last storm. And our workshop is  
24 actually in a couple of weeks, and one of things that  
25 we're encouraging them all to do, if they haven't, is to

1 coordinate these mock disasters. FMEA as an association  
2 participates in a tabletop exercise through our national  
3 association, but that's just on a mutual aid  
4 coordination level. But --

5 **COMMISSIONER GRAHAM:** So part of this workshop  
6 you're talking about is actually going to be telling  
7 them, saying, "Hey, you need to, you need to be part of  
8 Florida Power & Light's drills."

9 **MS. ZUBALY:** For some of the smaller guys that  
10 may not have been part of that. Yeah. Some of the  
11 bigger, medium-sized and bigger guys have gone through  
12 those disasters and are doing that now, have done that,  
13 are doing that in the coming weeks as well.

14 **COMMISSIONER GRAHAM:** Thanks.

15 **CHAIRMAN BROWN:** Thank you.

16 Commissioners, any other questions before she  
17 continues?

18 All right. Thank you.

19 **MS. ZUBALY:** And that's just some of the areas  
20 where we have received assistance.

21 I mentioned our national, national association  
22 mutual aid. In event of a disaster, they implement  
23 what's called the Mutual Aid Playbook. And this is just  
24 a page from that playbook. It kind of -- the different  
25 colors indicate what level of mutual aid might be

1 needed. The green is kind of a status quo or isolated  
2 outage event. The yellow is resources are being able to  
3 be met been within your state. Level 3 is where I  
4 mentioned that we're part of a southeast regional mutual  
5 aid that we will reach beyond our state into the  
6 southeast region. And then Level 4 is a national mutual  
7 aid activation in which coordination is done with  
8 utilities across the country.

9           And I touched on some of this already, that we  
10 conduct preseason briefings, as do our individual  
11 utilities. They have their own exercise and briefings  
12 in public forums in which they discuss preparation  
13 activities with their customers and their community.  
14 And one of the unique features for the municipals is  
15 that not just with their own utilities, but they have  
16 the access to -- resources to access all of their city  
17 employees as well. So even though the utility  
18 department of some of these small guys may be five,  
19 six people, they rely on their full city. And city  
20 employees will have dual jobs within a hurricane that  
21 they'll -- they may be a finance person during the city,  
22 but during a storm they're something else.

23           Pole replacement. Dittoing what everybody  
24 else has said on that. We've completed our first run of  
25 the eight-year inspection cycle. Many of them are



1 through -- in the second.

2 Vegetation management. Most of our utilities  
3 participate on a two- to three-year trim cycle. I do  
4 have some information on Tallahassee on some of that. I  
5 was trying to find out on theirs. Since they're such a  
6 tree-heavy community, and I had asked them specifically  
7 what their tree trimming cycle was. And they just  
8 changed it -- as you know, those of you that live in  
9 Tallahassee, we love our trees. Everybody loves your  
10 trees. And when you go to want to trim them, people get  
11 very upset and very fired up over it.

12 But the commission did finally agree to move  
13 forward with a stronger tree trimming process. And  
14 right now they're on an 18-month tree trimming cycle.  
15 And it had been four to six feet, and that's just been  
16 approved to be extended to eight to twelve feet.

17 **COMMISSIONER BRISÉ:** Question.

18 **CHAIRMAN BROWN:** Commissioner Brisé has a  
19 question for you.

20 **MS. ZUBALY:** Yes.

21 **COMMISSIONER BRISÉ:** Yeah. So that brings me  
22 to an area that I think Commissioner Patronis addressed  
23 maybe a little bit earlier in terms of maybe there's  
24 some inconsistency across the state as to how these tree  
25 trimming programs and these programs of preparedness are

1 laid out across the state. Like, I mean, the five IOUs  
2 that come here and we go through what they're asking  
3 for, and so there's a certain level of consistency that  
4 exists there. Is there a certain level of consistency  
5 that exists between the utilities that are owned by  
6 municipalities across the state to ensure that you don't  
7 have pockets -- my neighbor who's, like, three or five  
8 blocks down, because we live in two different cities and  
9 I'm covered by an IOU and then they're covered by a  
10 municipal-owned utility, and so, therefore, the programs  
11 are completely different and my restoration time is  
12 completely different than the person who lives three  
13 blocks away because we're served by these different  
14 utilities and there is no consistency there? So is  
15 there some level of consistency among the utilities?

16 **MS. ZUBALY:** Yes. And I hear what you're  
17 saying. Typically -- and, again, I don't have all 34  
18 cities' data in front of me to know from, but on  
19 average, my cities, two to three to four years is their,  
20 is their tree trimming cycle. Our utilities are  
21 governed by either -- their city commissioners sit as  
22 their governing boards, or in the event, if it's a  
23 utility authority like JEA or OUC, they have a governing  
24 board.

25 **COMMISSIONER BRISÉ:** Sure.

1           **MS. ZUBALY:** And so those policies are  
2 directed by those governing boards. Either the city  
3 commission or the utility board members actually set the  
4 policies. So in Tallahassee's case, they're on an  
5 18-month tree trimming cycle where JEA's may be  
6 three years.

7           **COMMISSIONER BRISÉ:** But I could see -- I  
8 guess it would go down to policy. OUC has that  
9 responsibility. JEA has that responsibility. But I  
10 could see a smaller city looking at its budget and  
11 looking at decisions and the income that comes from the  
12 utility and making adjustments based upon the reality  
13 that we haven't seen a storm in God knows how long, and  
14 there isn't that interest from the citizens to move  
15 forward with that. I'm just trying to get a sense of  
16 how those dynamics impact that and that level of  
17 independence that needs to exist in order to make these  
18 decisions and make them consistently.

19           **MS. ZUBALY:** I don't think in terms of tree  
20 trimming that even some of our smaller cities see that  
21 as an opportunity to save money on their budget.  
22 Particularly seeing the last storms that came through,  
23 they know what it's like if you don't -- if you aren't  
24 hit for a lot of years and that they can't get relaxed  
25 on policies like that.

1           And so I haven't seen -- everybody submits  
2 storm hardening reports to the PSC, and the vegetation  
3 management is in all of those. And I haven't seen any  
4 kind of cutback on those. I kind of glance through them  
5 if they come my way, which they don't always. But I  
6 haven't, I haven't really seen that on any of our  
7 cities. They take this very seriously on their  
8 preparedness and making sure that their system is as  
9 strong as it can be. And, you know, our -- just like  
10 you all as being officials, and city officials, you  
11 know, they are with their customers all the time. They  
12 run into them at Publix and Wal-Mart. And so they're  
13 kind of the frontline responders, and they need to be  
14 prepared to answer those questions. So I don't see them  
15 cutting back on some of their tree trimming policies.

16           **COMMISSIONER BRISÉ:** Perfect. Thank you.

17           **CHAIRMAN BROWN:** Commissioners, any other  
18 questions before she moves on?

19           **COMMISSIONER PATRONIS:** Yeah.

20           **CHAIRMAN BROWN:** Commissioner Patronis.

21           **COMMISSIONER PATRONIS:** Kind of dovetailing  
22 into what Commissioner Brisé is bringing up, and I'm not  
23 trying to be the mean guy at the table, but --

24           **COMMISSIONER GRAHAM:** Too late.

25           **COMMISSIONER PATRONIS:** -- a couple of years

1 ago we had a texting while driving bill in the  
2 legislature.

3 **CHAIRMAN BROWN:** This conversation again?

4 **COMMISSIONER PATRONIS:** Yes. And I -- it's my  
5 only shtick. Okay? You like that. So -- but I hated  
6 the legislation and I fought against it. But then I had  
7 somebody point out to me that, you know, well, sometimes  
8 we've got to have a way that mom and dad can tell their  
9 child it's against the law and we had to have the state  
10 be the boogie man.

11 Do we need to have a boogie man with  
12 municipalities and enforcing some type of  
13 standardization with vegetation? Does that -- I mean,  
14 and I look at the City of Tallahassee and it's a  
15 beautiful city and a very attractive city. But when  
16 you've got the will of the folks that govern it tied to  
17 a ballot, it's kind of hard to be enforcing over public  
18 good as opposed to, "Well, gosh, why are they" -- and it  
19 happened with my brother. My brother lives up in the  
20 northern part of Bay County, and the co-ops came through  
21 and trimmed trees. And, you know, all they could do was  
22 ask for forgiveness after the fact, but it needed to be  
23 done. It needed to be done. My brother got upset, you  
24 know. But sometimes it's kind of hard to do it with the  
25 cities, and I'm just kind of worried about what

1 happened. And my brother was here during the storm back  
2 in '85, '86, and it was the same, same challenges.

3 **MS. ZUBALY:** Yeah. You know, again, I think  
4 that the consistency level of their vegetation  
5 management across the board seems to be pretty  
6 consistent with most of what the other utilities in the  
7 state do, between a two- to four-year cycle, depending  
8 on what level the utility has adopted.

9 Tallahassee is in an 18-month tree trimming  
10 cycle. They've been at that for a little while.  
11 They're just not increasing their variance beyond the  
12 wires from four to six feet to twelve to eighteen.

13 **COMMISSIONER PATRONIS:** That's what I meant,  
14 just --

15 **MS. ZUBALY:** Yeah, expanding it out.

16 So, you know, and it's going to vary on  
17 community to community based on how many trees. You  
18 know, Tallahassee has a heck of a lot more trees than  
19 Jacksonville Beach does. So, you know, a tree trimming  
20 process is going -- it's hard to kind of standardize  
21 that from community to community. But I am, I am  
22 confident that our members are aggressively on that and  
23 that it's a consistent basis for them.

24 **CHAIRMAN BROWN:** Commissioner Polmann.

25 **COMMISSIONER POLMANN:** It would seem to me --

1 and I appreciate the discussion here. Tallahassee, for  
2 example, has, and I'm only referencing that because  
3 you've cited the numbers, you know, from a certain range  
4 of feet to a different range. I think our interest, if  
5 I understand the discussion, is a question of whether  
6 there should be some standard for purposes of uniformity  
7 to inspire utilities around the state to provide a  
8 similar level of what I'll call protection in the  
9 interest of service to the customers.

10 Now recognizing that the environment and the  
11 circumstances around the state are going to be very  
12 different, for example, Tallahassee to Jacksonville  
13 Beach, there are other ways in which a performance  
14 standard could be written rather than a numeric standard  
15 or some other metric, and so the discussion could move  
16 to other ways in which a standard could be established.  
17 And I'm wondering if it would be appropriate to pursue  
18 that question. Now how we would do that, I don't know.  
19 Procedural becomes a policy and then how, how is that,  
20 you know, put out to utilities that we don't --

21 **CHAIRMAN BROWN:** Regulate.

22 **COMMISSIONER POLMANN:** -- regulate here for  
23 purposes of rate setting. But, you know, what is our  
24 reach? Now we can have that discussion another time,  
25 but, you know, if it's of broad interest for reasons of

1 service, you know, and equity in terms of, you know,  
2 what we're talking about here today, I'm sure there are  
3 other ways and I would simply raise that. I think it's  
4 an important point, so I'll just leave it at that.

5 **CHAIRMAN BROWN:** Well, first off, I just want  
6 to thank you because you did not have to come out here  
7 to our invitation today. Really, you did not have to.  
8 And I really, on behalf of the Commissioners, thank you.  
9 And, you know, I'm not going to apologize for the  
10 questions you're being asked.

11 **MS. ZUBALY:** I appreciate that.

12 **CHAIRMAN BROWN:** But, you know, really, it  
13 shows a lot of your leadership to come here and kind of  
14 sit here and take some questions, some thoughtful  
15 questions, and have this dialogue. And I know you're  
16 working on these issues.

17 **MS. ZUBALY:** We are, yeah.

18 **CHAIRMAN BROWN:** And we look forward to having  
19 continued discussions.

20 Commissioners, any further questions? I'm  
21 just going to fast forward here.

22 **COMMISSIONER BRISÉ:** No. Thank you.

23 **CHAIRMAN BROWN:** Thank you.

24 **MS. ZUBALY:** And thank you again.

25 **CHAIRMAN BROWN:** Thank you so much for being



1 here.

2 **MS. ZUBALY:** Thank you for bringing us here,  
3 and we can be in touch on answering more in the future,  
4 if you'd like. Thank you.

5 **CHAIRMAN BROWN:** Excellent. Thank you so  
6 much.

7 All right. And now our last speaker, but not  
8 least by any means, and thank you again, as Ms. Zubaly,  
9 I pronounced her name again wrong, but, Mr. Willingham,  
10 thank you for being here. Again, you accepted my  
11 invitation graciously and I appreciate that. And we'll  
12 try to go easy on you, but you're the last person.  
13 Welcome.

14 **MR. WILLINGHAM:** No, I have thick skin. Go  
15 for, go for it.

16 **CHAIRMAN BROWN:** Good.

17 **MR. WILLINGHAM:** I don't want to say ditto,  
18 ditto, ditto all day, no matter how much you like ditto.  
19 But it's great to be here and I'm glad to tell you about  
20 the co-ops and why we're a little bit different. I'll  
21 focus more of why we're different than what we actually  
22 do because there's not that many similarities --  
23 differences between what you've already heard.

24 For the co-ops, we've got 16 distribution  
25 co-ops in Florida. And we call them distribution

1 co-ops. It's a little bit misleading. A lot of them  
2 have transmission also. There is one distribution co-op  
3 in Florida, Lee County, which is not a member of our  
4 association. So I don't know -- I know some things  
5 about them but not everything.

6 We are predominantly in the residential areas,  
7 in the -- I'm sorry.

8 **CHAIRMAN BROWN:** Rural?

9 **MR. WILLINGHAM:** Rural areas, yes, but we  
10 serve -- you know, predominantly our customers are  
11 residential, agriculture, and small commercial. So when  
12 you look at the EOCs, the counties, the state, they have  
13 this priority list and here's our key customers.  
14 They're generally not the ones that serve those  
15 customers. So for us, our priority is getting the  
16 Wal-Mart back up so people can get gas, water, ice,  
17 food, whatever. So it's just a -- we have a little bit  
18 different perspective and a little bit different  
19 customer base.

20 The other problem is -- well, lots of -- being  
21 in the rural areas, we only have, like, the smallest  
22 co-ops are about five customers per mile of line. So  
23 when you talk about hardening per customer, that's a big  
24 cost depending on how far you want to go. We do have  
25 co-ops that go up to -- most of the larger co-ops go up

1 to about 15 or 20 per mile of line. But our shining  
2 star is the Florida Keys, which is 40 per mile of line,  
3 which is much closer to the IOU standard just because of  
4 the way they're built. I'll talk about that a little  
5 bit more in a minute.

6 We also have the two generation transmission  
7 co-ops. They serve 13 of the distribution co-ops. We  
8 have two that are requirements (phonetic) from FP&L and  
9 one that's served out of the Georgia G&T. But  
10 collectively we're about, a little bit over a million  
11 meters. I think we're actually about 11 percent of the  
12 state's population. It might be 10, but I think it's  
13 closer to 11. But we serve over 60 percent of Florida's  
14 land mass. So, again, you get back to the rural area  
15 that we serve, and the, you know, the cost per customer  
16 is a significant factor for us because of the miles of  
17 line we have per customer.

18 **CHAIRMAN BROWN:** Which of the co-ops is the  
19 largest? Is it Peace River?

20 **MR. WILLINGHAM:** No. The -- are you talking  
21 about land mass or customers?

22 **CHAIRMAN BROWN:** Customer base.

23 **MR. WILLINGHAM:** Customer base is  
24 Withlacoochee down there just a little bit north of  
25 Tampa. They've got about -- they're a little bit over

1 200,000. Clay Electric in Sumter and Lee County are  
2 also either around 200,000 or just below 200,000. And  
3 then you go to the smallest co-op in the state, which is  
4 Escambia River over in Escambia County, and they're  
5 about 10,000. So we've got a pretty wide variety. But  
6 even the big co-ops will tell you they're still a small  
7 utility.

8 **CHAIRMAN BROWN:** But you must face unique  
9 challenges that some of the other utilities -- I mean,  
10 because you're so rural, there must be some interesting  
11 challenges that the other IOUs --

12 **COMMISSIONER PATRONIS:** It would be hard to  
13 have smart meters.

14 **MR. WILLINGHAM:** Yeah. Well, yes, we can cost  
15 justify smart meters more easily than almost anybody  
16 because you look at the time it takes to do the meter  
17 reading and to do the cut-ons and cut-offs.

18 **CHAIRMAN BROWN:** Right.

19 **MR. WILLINGHAM:** I mean, there's a lot of  
20 driving that we save. So we were some of the first ones  
21 to get the smart meters in Florida.

22 **COMMISSIONER PATRONIS:** So smart meters are,  
23 smart meters are a possibility in the co-ops even though  
24 there's a lot of distance maybe between home to home?

25 **MR. WILLINGHAM:** We're a very high percentage

1 of smart meters.

2 **COMMISSIONER PATRONIS:** Is that right? Okay.  
3 I learned something. I figured it would have been more  
4 of a logistical challenge.

5 **MR. WILLINGHAM:** No, no. No, logistically  
6 it's not a problem. It's -- but when you look at the  
7 driving time that we save versus a more denser utility,  
8 it's huge for us. So it's much easier to cost justify  
9 it for us.

10 **CHAIRMAN BROWN:** That's excellent.

11 **MR. WILLINGHAM:** In fact, the Florida Keys  
12 actually had the old version, the one-way meters back in  
13 the early '90s. So we've been innovators in a lot of  
14 technology things because it just --

15 **COMMISSIONER PATRONIS:** Makes sense.

16 **MR. WILLINGHAM:** -- yeah, it makes a lot of  
17 sense for us.

18 As you look at the map, this kind of shows  
19 where our footprint is. But within this footprint, for  
20 example, Tri-County, which is just east of here, you  
21 know, Perry, Madison, Monticello, they don't serve those  
22 cities. Duke serves the cities and we serve around the  
23 city. Also like -- you know, the City of Tallahassee is  
24 not on here, but this just kind of gives you a general  
25 footprint of where we serve.

1           One thing that is unique about electric  
2 co-ops, we have a -- in addition to the regulations that  
3 we have at the Public Service Commission, we have a  
4 federal regulator, the Rural Utility Services. Most of  
5 the co-ops have RUS loans, and because of that, they're  
6 subject to RUS standards. RUS has construction  
7 standards, material standards, vegetation standards, all  
8 these things that we follow.

9           In fact, for those who were here in the 2004,  
10 2005 range, the PSC came up with a bulletin that said,  
11 "Hey, here's how you should do your pole inspections."  
12 It was the RUS bulletin. And we kind of got a kick out  
13 of it because one of the utility commissioners that we'd  
14 been having some issues with said, "You know, we're  
15 going to force you to follow this way." "You can't.  
16 The feds already make us do it." So we have a lot of  
17 people that regulate us.

18           But really for us in the rural areas, we have  
19 a lot of opportunities that aren't available to the  
20 other utilities. When we cut vegetation, we cut  
21 vegetation. Because the -- you know, I mean, we'll go  
22 in a 20-foot cycle sometimes. Because it's -- you want  
23 to be own a four-cycle, we'll cut 20 feet because it  
24 just costs so much money per customer for us to keep  
25 going out there and cutting the lines. So it's -- you

1 know, there's pluses and minuses.

2 **CHAIRMAN BROWN:** Yeah.

3 **MR. WILLINGHAM:** And the other thing is, you  
4 know, when you look at our customers, they're -- most of  
5 them are people that have their own generators already.  
6 They're -- it's just not that big an impact to them.  
7 That's why you don't get many calls up here during a  
8 hurricane.

9 **CHAIRMAN BROWN:** Right.

10 **MR. WILLINGHAM:** And everybody's been talking  
11 about the --

12 **COMMISSIONER GRAHAM:** Lots of trees.

13 **MR. WILLINGHAM:** Yeah. Well, and that's the  
14 other thing is they've got so many trees, it's like,  
15 "Yeah, take some of them. We don't care."

16 **COMMISSIONER BRISÉ:** Save me some money.

17 (Laughter.)

18 **MR. WILLINGHAM:** So it's a little bit easier.  
19 But on the -- I know a lot of people talked about their  
20 apps, things like that. We've got a couple of co-ops  
21 that have apps. But just the communication is the --  
22 you can actually report outages with some of our apps.  
23 You can report by text now. The co-ops have really been  
24 great on technology.

25 **CHAIRMAN BROWN:** That's great.

1           **MR. WILLINGHAM:** So all that kind of stuff.

2           I did want to put these up real quick. Stan  
3 talked earlier about some of the different construction  
4 standards. And I put this up here, but it's more for  
5 illustrative purposes. Don't ask me what the formulas  
6 mean, you know, where they came from and all this  
7 because I honestly don't know. But it's just to give  
8 you an idea of when you look at the state, we've got  
9 some wide ranges of potential wind loading. And this  
10 all relates back to when you get into, like, a  
11 vegetation standard, you know, should it be standardized  
12 across the state? Well, I can tell you no because, you  
13 know, it's different. The hardening plans shouldn't be  
14 the same across the state. You know, those in the  
15 150-mile-an-hour wind zone, that's very different than  
16 those in the 100-mile-an-hour wind zone, a very  
17 different thing.

18           So, you know, I think it's a great -- it's  
19 something that needs to be talked about for sure. But I  
20 will tell you I've got some friends that have been in  
21 Tallahassee, friends of the family that have been here  
22 their whole life. And if we took down their canopy  
23 roads, they would be really unhappy.

24           **CHAIRMAN BROWN:** Uh-huh.

25           **MR. WILLINGHAM:** So there's a lot of things to



1 consider on the tree trimming. But for -- I can tell  
2 you, for Talquin having to deal with Wakulla and Leon  
3 County, it's a very different standard for them.

4 **CHAIRMAN BROWN:** Right.

5 **MR. WILLINGHAM:** And to be honest, there's  
6 some situations you come into and there's just that pile  
7 of trees, and you say, "Okay, that's our last customer,  
8 last place we're going to go to work because it's going  
9 to take so much time to get that customer on." So  
10 they're making a choice whether or not they realize it.  
11 When they want to have a jungle, that's their  
12 consequence.

13 **CHAIRMAN BROWN:** Yeah. You know, that happens  
14 in urban areas too. I mean, it's the same thing. I  
15 live on a canopy road, and those neighbors, they  
16 would -- they hate it. They would rather, you know,  
17 risk it and have that beautiful canopy tree than have,  
18 you know, a utility come in there and cut it.

19 **MR. WILLINGHAM:** Right. So it's a tough  
20 issue. There's no silver bullet on that one either  
21 unfortunately.

22 One of the things that I thought was a little  
23 bit interesting here. I went ahead and put the maps  
24 side by side, and you can see even though Lee County is  
25 not one of our members, I thought it was kind of

1 interesting, they're actually in three different wind  
2 bands on this. So if you look at just trying to  
3 standardize a hardening plan just within the Lee County  
4 Co-op, you know, it's going to be different. You're  
5 going to be spend more money on the coastal side than  
6 you are inland.

7 **CHAIRMAN BROWN:** And they're in FPL's area --  
8 right? -- Lee County Co-Op, like right in the FP&L area?

9 **MR. WILLINGHAM:** They're in the FPL footprint,  
10 sure, and they are non-requirements (phonetic) customer  
11 of FP&L.

12 I told you a minute ago about the Florida  
13 Keys. You can see they're obviously in the extreme wind  
14 standard for Florida. After Wilma came through, they  
15 decided they were going to build their system to the  
16 150-mile-an-hour standard. Now they didn't go out and  
17 tear everything down and rebuild it, but as they go  
18 forward, everything will be built to the  
19 150-mile-an-hour standard. But they are unique from a  
20 co-op perspective just because of the density they have.  
21 But also their system, if you ever have driven down  
22 US-1, you'll see that almost -- most of their system is  
23 underbuilt on their concrete transmission poles. So for  
24 them it's a, a pretty easy decision to make. But even  
25 though they're up to the 150 or they will be to the

1 150-mile-an-hour standard, it still doesn't defend you  
2 from storm surge, flying debris, trees, things like  
3 that. So, again, you know, you're going to do the best  
4 you can, but there's still going to be outages. There's  
5 no way to prevent outages.

6 Pre-storm activities, we're no different than  
7 anybody else. That's all been covered.

8 The hardening efforts --

9 **CHAIRMAN BROWN:** You've got mutual aid  
10 agreements in place for all the co-ops or --

11 **MR. WILLINGHAM:** Well, yeah, it's actually  
12 interesting, and it's, I guess -- I don't know if it's  
13 semantics, but as Amy talked about, we have the national  
14 agreement between all the municipals and co-ops. And we  
15 are blessed in that throughout the south and the  
16 southeast there are a lot of co-op resources. So we  
17 generally don't go outside of the co-op family other  
18 than contractors.

19 But, like, with -- for Hermine we actually had  
20 a situation where FP&L said, "Hey, we've got some  
21 contractors we can release," as Eric said, "in the Lake  
22 City area." Well, our co-op in Live Oak said, "Hey,  
23 those are the same contractors we use. You know, we  
24 don't even have to house them, so let's use them."

25 So there's always things that come up that you

1 can do better and things that are more efficient. But  
2 generally because of the RUS standards and just kind of  
3 the co-op model, we prefer to have co-op linemen if at  
4 all possible. It just makes a lot of sense.

5 Let's see. On hardening, you know, they file  
6 their reports with you guys every -- I don't know if  
7 y'all ever look at them but --

8 **CHAIRMAN BROWN:** We do, absolutely.

9 **MR. WILLINGHAM:** Okay. But you can see what  
10 they're doing. And then I don't need -- I haven't  
11 looked at them, so I honestly don't know what they're  
12 doing. You're ahead of me.

13 But the -- oh, the other thing I forgot to  
14 mention, RUS also requires emergency response plans. So  
15 they've all got their plans. They do their mock storm  
16 every year. I don't think that there's much difference  
17 there other than the scale of --

18 **CHAIRMAN BROWN:** Can you fast-forward to  
19 lessons learned from the past hurricane season?

20 **MR. WILLINGHAM:** Absolutely. I would love to.  
21 Really the biggest lesson learned is that when you don't  
22 have a storm for about ten years, people retire and they  
23 kind of forget. They practice their own storm plan but  
24 we weren't really practicing the statewide plan. So in  
25 a couple of weeks we're going to be down in Ocala doing

1 a full-fledged storm thing just so everybody  
2 understands. And we do a lot of work with our  
3 out-of-state co-op friends. We have an annual meeting.  
4 Usually after a big hurricane we'll have another meeting  
5 in January to do kind of a recap. So we're -- that  
6 machine is pretty well greased.

7 The one thing that I did learn this year too,  
8 the -- you know, for us, we've got some co-ops that have  
9 like 65 employees. So when you bring in 500 people to  
10 help, like we did with -- well, with Hurricane Ivan we  
11 had to in Escambia. We brought in 500 people to help  
12 them out, and they've got about -- I think they had 68  
13 employees at the time .

14 **COMMISSIONER BRISÉ:** Wow.

15 **CHAIRMAN BROWN:** Wow.

16 **MR. WILLINGHAM:** But now with all the  
17 technology you've got, your scope of management has  
18 vastly increased. So it's much easier to control these  
19 people and manage them, everybody is in touch. It's  
20 just -- the technology has just been a huge help to us  
21 and really increased our efficiency. It's not going to  
22 prevent the outages as much, but it will definitely help  
23 our restoration.

24 And the one thing I can tell you too about the  
25 communications, I know that it's improved. We're doing

1 everything, you know. You can report an outage by text,  
2 everything else, but our office didn't have one single  
3 call this time about somebody saying, "I can't get  
4 through to my co-op."

5 And the other thing that's really cool for our  
6 call centers, even though the calls are way down because  
7 of all the technology, we now have a way to transfer all  
8 of our calls to another call center if our  
9 communications are down or something like that.

10 **CHAIRMAN BROWN:** That's great.

11 **MR. WILLINGHAM:** So, you know, for 2016, not  
12 that 2016 was the end-all be-all for bad hurricanes, but  
13 it worked 100 percent, so --

14 **CHAIRMAN BROWN:** Wonderful.

15 Commissioner Graham has a question for you.

16 **COMMISSIONER GRAHAM:** Thank you, Madam Chair.

17 Bill, I know the co-ops were involved in the  
18 governor's meeting last year and the munis and the IOUs.  
19 I guess to further that dialogue, now that you're here  
20 in front of us, what sort of things can we be doing to  
21 help you in the future moving forward?

22 **MR. WILLINGHAM:** To be honest, I really can't  
23 think of anything. I think we've got things pretty well  
24 figured out. It's -- you know, as we talked about with  
25 the -- we're into a new area where the -- we've always

1 worked very closely with municipals and we've -- you  
2 know, they -- when they got done with Ocala with  
3 Hermine, we moved their crews over to Clay Electric  
4 right next door. So we always coordinated real well  
5 with them. And now with the open doors with the IOUs,  
6 we've really got some new opportunities. And obviously  
7 the contract crew, that was new for us. That was a big  
8 help. So it's just -- it's -- you know, communications  
9 are the big thing. And now we're -- you know, the  
10 governor has got us all talking to each other a lot  
11 better than we were. But just the -- I mean, everything  
12 with -- and I know I've mentioned this before, but your  
13 man Rick Moses does a great job at the EOC.

14 **CHAIRMAN BROWN:** By the way, Rick Moses is in  
15 the room. Rick, nice to see you here and --

16 **MR. WILLINGHAM:** I mean, he does a lot of the  
17 quarterbacking for a lot of this stuff, and he'll get us  
18 talking to each other, if we need to talk.

19 **COMMISSIONER GRAHAM:** Well, I mean, just, like  
20 I said, because you're here -- and, Madam Chairman,  
21 thank you for including him to this, to this dialogue.  
22 As things come up, as you think about things, as you  
23 walk away today, you know, if there's something that we  
24 can do as an agency, please let us know.

25 **MR. WILLINGHAM:** Yeah. I'm not shy. I'd be

1 glad to.

2 **CHAIRMAN BROWN:** No, you're not.

3 Thank you.

4 Commissioners, any other questions?

5 Thank you so much for coming out here again,  
6 and I look forward to continued dialogue. Again, like  
7 Commissioner Graham said, please feel free to reach out  
8 and let us know if there's anything that you think we  
9 should be doing to help you.

10 **MR. WILLINGHAM:** Thank you. Okay.

11 **CHAIRMAN BROWN:** All right. This has gone on  
12 almost three hours. If Commissioners don't have any  
13 other questions, this meeting is officially adjourned.  
14 Thank you so much for being here, guys, and staying.

15 (Meeting adjourned at 4:22 p.m.)

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1 STATE OF FLORIDA )  
 :  
2 COUNTY OF LEON ) CERTIFICATE OF REPORTER

3  
4 I, LINDA BOLES, CRR, RPR, Official Commission  
5 Reporter, do hereby certify that the foregoing  
6 proceeding was heard at the time and place herein  
7 stated.

8 IT IS FURTHER CERTIFIED that I  
9 stenographically reported the said proceedings; that the  
10 same has been transcribed under my direct supervision;  
11 and that this transcript constitutes a true  
12 transcription of my notes of said proceedings.

13 I FURTHER CERTIFY that I am not a relative,  
14 employee, attorney, or counsel of any of the parties,  
15 nor am I a relative or employee of any of the parties'  
16 attorney or counsel connected with the action, nor am I  
17 financially interested in the action.

18 DATED THIS 4th day of May, 2017.

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