

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

**In re: Petition for Approval of Storm
Cost Recovery Clause for Extraordinary
Expenditures Related to Hurricanes
Charley, Frances, Jeanne, and Ivan**

DOCKET NO. 041272-EI
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**DIRECT TESTIMONY
OF SARAH S. ROGERS**

**ON BEHALF OF
PROGRESS ENERGY FLORIDA**

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IN RE: PROGRESS ENERGY FLORIDA, INC.'S PETITION
FOR APPROVAL OF STORM COST RECOVERY CLAUSE FOR
EXTRAORDINARY EXPENDITURES RELATED TO HURRICANES
CHARLEY, FRANCES, JEANNE, AND IVAN.

DIRECT TESTIMONY OF SARAH ROGERS

I. INTRODUCTION AND QUALIFICATIONS

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Q. Please state your name, your employer, and business address.

A. My name is Sarah S. Rogers, and I am employed by Progress Energy Florida. My business address is 3300 Exchange Place, Lake Mary, Florida.

Q. Please tell us your position and describe your duties and responsibilities in that position.

A. I am the Vice President of Transmission - Florida for Progress Energy Florida, Inc. ("PEF" or the "Company"). I am also the Transmission System Coordinator for the Company's transmission system in the event of a severe storm or other disaster. This position is equivalent to the Storm Director position for the Company's distribution system. As the Company's Transmission System Coordinator, I am responsible for the implementation of the Company's Transmission Department Storm Plan.

Q. Please summarize your educational background and employment experience.

A. I have a BSEE from San Diego State University and an MBA from Duke University. I have been employed by Progress Energy since March 19, 1984. I am a registered professional engineer in the states of Florida and North Carolina. The majority of my

1 career has been in Transmission in roles such as engineering, planning, and
2 maintenance. I was the Vice President of the Transmission Department in the
3 Carolinas for three years prior to becoming the Vice President of Transmission
4 Florida in December 2000. During my career in North Carolina, I led or participated
5 in the transmission restoration following the extensive storm damage from Hurricanes
6 Hugo, Fran, and Floyd.

7
8 **II. PURPOSE AND SUMMARY OF TESTIMONY**

9 **Q. Please describe the purpose, and provide a summary, of your testimony.**

10 **A.** I am providing testimony on the Company's Transmission Department Storm Plan
11 and the implementation of that Plan for Hurricanes Charley, Frances, Ivan, and
12 Jeanne. My testimony will describe each of the four parts of the Transmission
13 Department Storm Plan: (1) Pre-Season Activities; (2) Pre-Storm Activities; (3)
14 Damage Assessment and Repair; and (4) Recovery Follow-up Activities. This
15 testimony will explain the organization, coordination, and management of personnel,
16 material, and equipment to prepare for, respond to, and recover from the effects of
17 severe storms on the Company's transmission system. Because the Plan is updated
18 with each storm, my testimony describing the four parts of the Plan will further
19 explain the implementation of the Plan during and following the four hurricanes that
20 struck PEF's service territory during the 2004 hurricane season.

21 I will further testify about the severe damage to PEF's transmission system as
22 a result of Hurricane Charley and the subsequent, less severe, but more extensive
23 damage from Hurricanes Frances and Jeanne. I will explain the scope and extent of

1 that storm damage and the Company's extraordinary efforts to prepare for, respond
2 to, and recover from the storms. This testimony will include the work done during
3 the storms to enable the safe and expeditious restoration of customer service and the
4 follow-up work that was completed and remains to be done to ensure that the
5 transmission system is restored as much as possible to its condition prior to the
6 storms.

7
8 **Q. Are you sponsoring any exhibits to your testimony?**

9 **A.** Yes. I am sponsoring the following exhibits to my testimony:

- 10 **SSR-1 Map of the Company's Transmission Areas.**
- 11 **SSR-2 Transmission Department Storm Plan.**
- 12 **SSR-3 Map of Path of Hurricane Charley over PEF's Transmission**
13 **System.**
- 14 **SSR-4 Map of Path of Hurricane Frances over PEF's Transmission**
15 **System.**
- 16 **SSR-5 Map of Path of Hurricane Jeanne over PEF's Transmission**
17 **System.**
- 18 **SSR-6 Composite Map of Hurricane Paths on PEF's Transmission**
19 **System.**
- 20 **SSR-7 Composite Exhibit of Pictures of Transmission Storm Damage.**

21 Each of these exhibits was prepared under my direction, and each is true and accurate.
22
23

1 **III. THE COMPANY'S TRANSMISSION SYSTEM**

2 **Q. Please describe the Company's existing transmission system.**

3 **A.** The Company's transmission system connects the Company's 62 generation units
4 through 363 substations to the distribution system to serve approximately 1.5 million
5 customers in 35 of the state's 67 counties. By pole mile there are 169 miles of 500kV
6 transmission lines, 1,215 miles of 230kV lines, 760 miles of 115kV lines, 2,029 miles
7 of 69kV lines, for a total of 4,174 transmission pole miles within the approximately
8 20,000 square miles of PEF's service territory. These lines are supported by a variety
9 of different structures, including aluminum towers, steel towers, and concrete, steel,
10 and wood poles in various configurations, and include a wide variety of related
11 equipment and material, including various types and quantities of cable, ground rods,
12 bolts, insulators, and connectors.

13
14 **Q. How is the Company's transmission system organized?**

15 **A.** The Company's transmission system is divided into four regions: Suncoast, South
16 Central Florida, North Central Florida, and North Florida. A map of the Company's
17 transmission areas is included as Exhibit ___ (SSR-1) to my testimony. Each of these
18 four regions serves as an area storm center with its own storm/emergency plan under
19 the Transmission Department Storm Plan.

20
21 **IV. THE COMPANY'S TRANSMISSION DEPARTMENT STORM PLAN**

22 **Q. Does the Company have a storm plan for its transmission system?**

1 A. Yes, it does. The Transmission Department Storm Plan is the creation of best
2 practices between the Company and its sister company in North Carolina and, thus,
3 incorporates the experience and lessons learned from more recent hurricanes and ice
4 storms in the Carolinas. The Transmission Department Storm Plan covers
5 catastrophic damage to transmission facilities where repair is beyond the local
6 transmission maintenance personnel or the issuance of a wide area severe weather
7 warning by the National Weather Service.

8

9 **Q. Please describe the Transmission Department Storm Plan.**

10 A. The main objective of the Plan is to enable the Company to quickly assess damage to
11 the transmission system, determine the manpower and other requirements needed to
12 correct the damage, and initiate the appropriate restoration response. The Plan is
13 designed to inform Company personnel, including the Transmission System
14 Coordinator, about the resources available to them when a severe storm occurs and to
15 assist them in directing and coordinating the preparation for, response to, and
16 recovery from the impact of a severe storm on the transmission system. The storm
17 plan is made available to all employees who have assigned duties with respect to the
18 transmission system during severe storms.

19 The Plan is divided into four areas to accomplish this objective: (1) Pre-
20 Season Activities; (2) Pre-Storm Activities; (3) Damage Assessment and Repair; and
21 (4) Recovery Follow-up Activities. Pre-season activities include reviewing and
22 revising the Plan on an ongoing basis to ensure that it is current and incorporates the
23 Company's latest knowledge learned from dealing with severe storms. These

1 activities also include the necessary arrangements prior to the severe storm and
2 hurricane seasons to ensure that the Company is prepared for the storms.

3 Pre-storm activities involve the preparation for a storm as the storm
4 approaches PEF's service territory. The amount of preparation that takes place
5 depends on the probability the storm will hit PEF's service territory. The more likely
6 a storm will hit the more preparation that takes place. This preparation may involve
7 setting up the storm center or area storm centers and activating teams as may be
8 required to respond to a particular storm. In addition, we have check lists that specify
9 tasks to be completed 72 hours, 48 hours, and 24 hours prior to the storm hitting.

10 Damage Assessment and Repair commences as the storm passes through
11 PEF's service territory and continues after the storm has passed. This information is
12 used to determine the resources needed for the restoration process and to begin to
13 assess priorities for the restoration work.

14 Recovery Follow-up Activities involve all aspects of winding down the
15 Company's storm response and restoration efforts. This includes deactivating the
16 storm centers, canceling outside contractors and releasing crews, de-mobilizing
17 Company storm crews, and finishing any required clean-up.

18 The Company is constantly improving its Transmission Department Storm
19 Plan as it learns more about responding to severe storms. In this way, the Plan is a
20 living document, reflecting the Company's most up-to-date knowledge about the
21 preparation for and response to severe storms. As noted above, lessons learned from
22 our sister company in the Carolinas in prior hurricanes and ice storms were, for
23 example, incorporated into the plan prior to its adoption as a best practice for PEF. A

1 copy of the Company's current Transmission Department Storm Plan is included as
2 Exhibit ____ (SSR-2) to my testimony.
3

4 **Q. How is the Company's storm response organized under the Plan?**

5 **A.** As the Vice President of Transmission for PEF I am the Transmission System
6 Coordinator. I decide when to implement the Plan as a severe storm approaches and
7 call for the Transmission Storm Center to be set up. The Transmission Storm Center
8 is the central command for the Company's preparation for and response to severe
9 storm damage to its transmission system. The Transmission Storm Center is set up at
10 the Company's offices in Lake Mary unless the approaching storm requires the
11 Center to be set up in an alternative location.

12 There are two Assistant Transmission System Coordinators, the Director of
13 Transmission Construction and the Director of Transmission Engineering for the
14 Company. They are also located in the Transmission Storm Center with the
15 Transmission System Coordinator. This provides the Company with immediate
16 access to the Company's expertise in transmission construction and engineering
17 during the storm. Their responsibilities are spelled out in more detail in the
18 Company's Plan.

19 In a separate location at Lake Mary, a Transmission Logistics Center is
20 established and led by the Logistics Support Coordinators. The Transmission
21 Logistics Center is established to provide material, engineering, contracting,
22 accounting, and scheduling support during storm restoration activities at the direction
23 of the Transmission System Coordinator. The responsibilities of the Logistics

1 Support Coordinators are also set forth in more detail in the Transmission Department
2 Storm Plan.

3 If the damage to the transmission system from the storm affects one or more
4 of the four transmission areas, the area storm centers will be activated. Each of the
5 four transmission areas has its own storm center located in the transmission area and
6 its own storm plan. The transmission area storm centers are led by the Area
7 Transmission Coordinators. The responsibilities of the Area Transmission
8 Coordinators are set forth in both the Transmission Department Storm Plan and in the
9 respective transmission area storm plan because the area storm plans are components
10 of the Transmission Department Storm Plan. The transmission areas storm plans are
11 also updated as the Company improves its storm preparation and response and
12 updates its Transmission Department Storm Plan.

13
14 **Q. What are the Company's transmission system priorities during a severe storm?**

15 **A.** The safety of the public and the Company's customers is the paramount consideration
16 when the storm plan is in effect. The first objective toward this goal is to make sure
17 that the reliability of the state-wide transmission grid is not undermined as a result of
18 the storm. Transmission support for the Company's generators is also critical to
19 ensure that adequate generation capacity is available during the storm for those
20 customers with continued service and immediately after restoration efforts for those
21 customers who lost electric service as a result of the storm. As part of the Plan, the
22 Company prioritized its transmission lines in terms of grid security for the state and
23 PEF and economic impact to PEF and its customers.

1 Once the transmission grid is stabilized and the connections to the generation
2 facilities are secure, the Company's next priority is energizing substations that have
3 been de-energized due to the storm as a result of the loss of transmission service or
4 other storm damage. Transmission crews focus on repairing storm damage to the
5 substations and establishing at least one connection to transmission line service that
6 can be energized. Substation service must be re-established to enable the distribution
7 system to begin restoring power to customers. Accordingly, the Company works to
8 restore substations as quickly as possible.

9 The next priority for transmission during and immediately following a severe
10 storm is work on the transmission lines with the least significant damage. The
11 Company then moves from transmission line to transmission line according to the
12 severity of the storm damage.

13 During a severe storm, the Transmission System Coordinator takes direction
14 from the Company's Energy Control Center (ECC) to establish the priorities for
15 transmission storm restoration work. ECC will identify the transmission lines that
16 have lost power during the storm and prioritize the restoration of the lines to maintain
17 reliability of the grid, support the Company's generation facilities, and then begin
18 restoration of customer service. The Transmission System Coordinator also consults
19 with the Distribution System Storm Center on a regular basis during and following
20 the storm to determine the distribution priorities, which generally center around
21 restoring power to the most critical customers and the most customers possible.
22 Finally, the local transmission area storm centers report storm damage and restoration
23 efforts in their areas from their field crews on an ongoing basis and this information is

1 also used to establish and adjust priorities as the restoration process proceeds.

2 Additionally, the local transmission storm centers also coordinate closely with the
3 wholesale customers to coordinate and prioritize the restoration of affected points of
4 delivery to their distribution systems.

5
6 **Q. Are there other ways that the Company coordinates its storm restoration**
7 **efforts?**

8 **A.** Yes. In addition to the constant communication between the transmission and
9 distribution storm centers and the ECC, the distribution storm response team further
10 provides the transmission department with much of its logistics needs, such as
11 lodging for the transmission line and tree crews and shared staging areas, where
12 practicable. In some ways, however, further efficiencies between the transmission
13 and distribution storm response efforts simply cannot be achieved. The transmission
14 storm restoration effort, for example, requires line crews skilled in transmission line
15 work and specialized equipment. The distribution storm center cannot then, share
16 line crews and much of the equipment it needs to respond to the storm with the
17 Transmission Department. The transmission and distribution storm centers will share
18 resources, however, when practicable and efficient to do so.

19
20 **Q. When does the Company implement its Transmission Department Storm Plan**
21 **during a hurricane and how does it work?**

22 **A.** The Transmission System Coordinator will decide to implement the Plan and set up
23 the Transmission Storm Center between 96 and 72 hours prior to the hurricane's

1 making landfall. Upon implementation of the Plan and the area storm plans, the
2 Storm Center, the logistics center, and the transmission area storm centers are
3 activated and the coordinators commence their storm preparation work. Detailed lists
4 of these pre-storm activities are set forth in the Plan and in the areas storm plans.
5 Commencing 96 to 72 hours ahead of the storm, for example, the responsible storm
6 personnel check inventories of materials, the conditions of vehicles and equipment,
7 and gather lists of outside contractors, equipment vendors, and material suppliers and
8 reserve or hold critical material and equipment. Between 72 and 48 hours before the
9 hurricane, the number of available transmission construction crews are identified and
10 arrangements made to secure them for work during the storm, substations are secured,
11 helicopter service is contacted to verify availability, and the storm plan is reviewed
12 and all tools and equipment are checked and readied for the storm.

13 Within 48 and 24 hours before the hurricane, crew assignments are made and
14 outside crews are contacted and reserved for storm restoration efforts. All special
15 equipment needs are identified and obtained and the crews, material, and equipment
16 are prepared for the restoration efforts.

17 Between 24 hours and the time the hurricane strikes, response team action
18 plans are developed to begin storm damage assessment, verification, and restoration
19 work schedules. All contract and Company crews are put on alert and assignments
20 begin and helicopter crews are put in place. As soon as it is safe, the helicopters are
21 called and Company damage assessment teams fly the transmission lines and assess
22 the damage. Right-of-way damage is also assessed, right-of-way clearing needs are
23 identified, and clearing activities commence. Patrols are also sent out by truck to

1 assess damage, make assignments for the restoration work, and begin to sectionalize
2 the transmission system through switches to get substations back on line. Material
3 and equipment not otherwise available are ordered, the staging areas commence
4 operation, and crew work schedules are established and the restoration work
5 commences. This process is repeated throughout the storm until restoration is
6 complete. Through constant contact with ECC to determine what lines are out and
7 what lines are priorities, together with the stream of damage assessment reports
8 coming in from the aerial and land assessment teams, a work plan is developed each
9 night for the next day.

10 Further detail on the storm preparation activities and the storm restoration
11 work is contained in the Company's storm plan and area storm plans.

12
13 **Q. How do you measure the effectiveness of your storm planning and restoration**
14 **process?**

15 **A.** We measure our storm restoration effectiveness through daily estimated time of
16 restoration (ETR) goals for energizing substations. Remember, the transmission
17 system must be up and running before customers connected to the distribution system
18 and wholesale customers can receive power. The emphasis of the Transmission
19 Department then, is to energize the substations that have been knocked out by the
20 storm to set the stage for the restoration of customer service. We begin setting ETR
21 goals for our substations immediately and revise them as we learn more about the
22 storm damage from our damage assessment teams and as we begin to prioritize our
23 resources. Each day, we strive to meet or exceed our ETR goals.

1 most severe along the path of the eye of Hurricane Charley as it traveled from
2 Wauchula to Fort Meade to Lake Wales and up through the Orlando area. A map
3 showing the path of Hurricane Charley across our transmission system in our service
4 territory is included as Exhibit __ (SSR-3) to my testimony.

5
6 **Q. What was the Company's response to Hurricane Charley?**

7 **A.** The Company began to implement its storm plan before Hurricane Charley and
8 continued to follow the Plan through the course of the storm restoration. As soon as
9 the winds had died down to a safe level, helicopters were used to fly damage
10 assessors along every mile of the Company's transmission system affected by the
11 storm to assess the damage. Damage assessment crews also began to drive, if
12 possible, along the affected transmission line. Eventually, every mile of the
13 Company's transmission system was checked and any storm damage was assessed
14 and reported back to the field construction and engineering crews.

15 The restoration strategy focused on first restoring lines to generation sites to
16 ensure that adequate generation capacity was available. Beginning with the energized
17 lines, the Company worked to put together a grid to restore as many substations as
18 possible. The Company does this by dividing the lines into sections around breakers
19 to isolate the damaged lines and get the substations back on line.

20 The Company's priorities are the transmission lines with the least significant
21 damage. The Company then moved from transmission line to transmission line
22 according to the severity of the storm damage. An important tool in this process was
23 the use of helicopter air cranes to fly transmission structures from the staging areas to

1 the job sites. This enabled the Company to replace the downed and damaged
2 transmission structures as quickly as possible and was especially useful in
3 inaccessible right-of-way areas and swamp land. The Company worked around-the-
4 clock to restore transmission service on all lines that were knocked out of service as a
5 result of the storm.

6 With 83 substations de-energized from Hurricane Charley, we began
7 sectionalizing lines and restoring substations as soon as the storm permitted.
8 Following this initial restoration, we established ETR goals for each remaining
9 substation. Overall we restored 93% of the substations prior to the established ETR.
10 Nearly 80% were restored within three days of the storm. All generation and
11 transmission substations that were de-energized were restored the day after the storm,
12 and nearly all retail substations were restored in six days.

13 The restoration costs directly attributable to transmission as a result of
14 Hurricane Charley are \$28 million.

15
16 **Q. When the downed transmission lines and substations are re-energized are the**
17 **Company's storm-related efforts complete?**

18 **A.** No. Once a hurricane strikes PEF's service territory, the Company works to restore
19 transmission lines to service as quickly as possible. That is the first step.
20 Transmission service from the generation facilities and to the substations must be in
21 place and energized before customer service can be restored. The Company,
22 therefore, will do whatever is necessary to safely energize the line. The second step
23 is to come back after customer service is restored to fix storm damage that did not

1 need to be corrected to energize the line. The Company must ensure that facilities
2 and equipment damaged by the storm are repaired or replaced in accordance with the
3 Company's standards.

4 For example, the shield wire above the main conductor on the transmission
5 line was broken or knocked down by tree limbs or other storm debris in a number of
6 places. This shield wire protects the main conductor from direct lightning strikes but
7 is not essential to energizing the line. Where the shield wire was broken or knocked
8 down it was cut down completely during the restoration work and the main conductor
9 was restored or replaced and energized. Following the restoration effort the
10 Company will go back and replace the shield wire where it was destroyed or damaged
11 and install the shield wire consistent with the Company's standards.

12 The Company will conduct sweeps of the transmission system after the
13 restoration work to identify further storm-related damage that must be repaired or
14 replaced. Other examples of the storm damage identified during the sweeps include
15 cracked poles, damaged conductors, flashed insulators, leaning or falling trees, failed
16 battery banks, non-functioning relays, and substation fence damage. After the sweeps
17 are complete, the Company will send out crews to correct the storm damage that was
18 identified. The Company anticipates completing its transmission storm damage
19 repairs by 2nd quarter 2005.

21 VI. HURRICANE FRANCES

22 Q. Was the Company's transmission system affected by Hurricane Frances?

1 A. Yes, it was. Although Hurricane Frances was not as intense a hurricane as Hurricane
2 Charley, it had a wider impact, affecting all of PEF's service territory, and stayed
3 over PEF's territory for a longer period of time. Strong winds with gusts of nearly
4 100 miles per hour affected PEF's service territory for almost a full day. Also, the
5 storm dumped 6 to 12 inches of rain across PEF's service territory, and some areas
6 received even more rain. Trees with roots systems weakened by the wind and rain
7 from Hurricane Charley were further weakened by Hurricane Frances and fell.

8 As a result of Hurricane Frances, 1,131 miles of PEF's transmission lines and
9 105 substations were knocked out of service. PEF had to further repair or replace 211
10 damaged transmission structures. A map showing the path of Hurricane Frances
11 across our transmission system in our service territory is included as Exhibit __ (SSR-
12 4) to my testimony.

13
14 **Q. What was the Company's response to Hurricane Frances?**

15 A. The Company again implemented its storm plan on September 1, 2004, three days
16 before the hurricane made landfall in Florida on September 4, 2004. The Company
17 followed the same restoration strategy it followed in Hurricane Charley. The only
18 difference was the restoration work in Hurricane Frances was on a much broader
19 scale. Through switching and isolation of damaged lines, 48 of the de-energized
20 substations were restored before the storm had fully cleared the state. Another 46
21 substations were restored the following day by correcting minor issues and
22 performing further switching. The remaining 11 substations were restored on the

1 third day following the storm. The Company's restoration efforts overtook its ETRs
2 before they were firmly established.

3 The restoration costs directly attributable to transmission as a result of
4 Hurricane Frances are \$18 million.

6 VII. HURRICANE IVAN

7 **Q. Did Hurricane Ivan have an impact on PEF's transmission system?**

8 **A.** Yes, but the impact was relatively minor. There were customer outages as a result of
9 the hurricane, but thankfully there was no real damage to PEF's transmission system
10 because the brunt of Hurricane Ivan occurred west of PEF's service territory. This
11 does not mean that PEF's Transmission Department did not have to prepare to
12 respond to Hurricane Ivan, however. Hours before the hurricane made landfall it was
13 projected to strike more to the east and in PEF's service territory. As a result, PEF
14 was preparing for the worst, considering the fact that Hurricane Ivan was a category 4
15 hurricane with sustained winds of 130 miles per hour. Accordingly, PEF initiated its
16 Transmission Department Storm Plan on September 13, 2004. PEF further retained
17 outside transmission crews and mobilized its own resources in anticipation of the
18 impact of the storm on its transmission system. This included providing for lodging
19 and meals for the crews, as well as mobilizing the logistics forces to back up the
20 crews with their ongoing needs to respond to the storm, including lining up necessary
21 material and equipment.

22 PEF did experience some minor damage to its transmission system and
23 customer outages but PEF was able to quickly respond and correct any damage. No

1 substations were knocked out and distribution was able to restore all power to
2 customers who lost service in two days. Crews, equipment vendors, and material
3 suppliers that were no longer needed once the impact from the storm was known were
4 released immediately from their prior commitments. The restoration costs directly
5 attributable to transmission as a result of Hurricane Ivan are \$0.9 million.

7 VIII. HURRICANE JEANNE

8 **Q. What was the impact of Hurricane Jeanne, the fourth hurricane to strike PEF's**
9 **service territory, on PEF's transmission system?**

10 **A.** Hurricane Jeanne made landfall near Stuart, Florida on September 25, 2004 as a
11 category 3 hurricane with 120 miles per hour winds. It also had a widespread impact
12 on PEF's transmission system as it proceeded across Florida through PEF's service
13 territory before exiting the state. The Company had 853 miles of transmission lines
14 and 86 substations knocked out of service by the hurricane and 75 transmission
15 structures were damaged. Storm damage to PEF's transmission system was spread
16 out over the entire transmission grid. A map showing the path of Hurricane Jeanne
17 across our transmission system in our service territory is included as Exhibit __ (SSR-
18 5) to my testimony.

19
20 **Q. How did the Company respond to Hurricane Jeanne?**

21 **A.** The Company implemented its Transmission Department Storm Plan for Hurricane
22 Jeanne on September 22, 2004 and followed the same restoration strategy it had
23 followed for the prior hurricanes. As a result of the Company's restoration efforts, 31

1 of the 86 de-energized substations were re-energized the day the hurricane struck and
2 over eighty were re-energized two days later. The remaining de-energized
3 substations were restored the next day, just three days after the storm. Again, the
4 Company's restoration efforts overtook its ETRs before they were firmly established
5 for many substations. Overall, we restored 95% of the substations prior to the
6 established ETR. Nearly 77% were restored during the day of the storm and the
7 following day. All substations capable of receiving service were restored in three
8 days.

9 The restoration costs directly attributable to transmission as a result of
10 Hurricane Jeanne are \$13.3 million.

11 IX. STORM SUMMARY

12
13 **Q. Can you provide us with an overview of the Company's logistical efforts and**
14 **resources during the course of this extraordinary hurricane season?**

15 **A.** Yes. During Hurricanes Charley, Frances, and Jeanne, we had over 350 transmission
16 linemen and 250 tree trimming personnel working on storm restoration. These
17 individuals were supported by 65 logistics personnel who saw to it that they had the
18 equipment, material, and tools they needed to do the work and coordinated their
19 travel, lodging, and meals. During these hurricanes we also used 11 cranes, 8
20 helicopters, 2 sky cranes, 9 track digger derricks, 4 marsh masters, 36 light towers, 16
21 water trucks, 6 tractors, 33 lull type forklifts, 13 backhoes, 2 dump trucks, 3
22 bulldozers, 38 generators, 6 fuel tanker trucks, and the crews to operate them.

1 Additional rental equipment was secured as needed during the course of the
2 storms, including van trailers and office trailers, air compressors, among other items.
3 This was in addition to the Company's pool equipment and material that was brought
4 to the staging areas for use in the storm restoration work. For example, four pool
5 tankers and two North Carolina tankers were used to transport fuel from the staging
6 areas to trucks and other equipment throughout the system. The Company also used
7 outside contractors to escort poles to job sites and to haul material and equipment
8 from the Company's warehouse to the staging areas and to jobsites.

9 Over 900 transmission poles were replaced during the storm restoration work
10 for Hurricanes Charley, Frances, and Jeanne. The Company used 23,000 bolts,
11 10,000 ground rods, 21,000 insulators, and 4,000 connectors on the transmission
12 system alone to respond to the storm damage. Also, the Company restored 2,684
13 miles of damaged transmission lines and restored 274 substations to service.

14
15 **Q. How does the Company determine the labor, material, and equipment needed to**
16 **respond to storm damage to the transmission system?**

17 **A.** Before the hurricane leaves PEF's service territory, PEF begins its damage
18 assessment by using helicopters and vehicles to review every mile of transmission
19 line potentially impacted by the storm. The damage assessment team records the
20 storm damage they observed and that information is passed on to the coordinators of
21 the line and tree trimming crews who will actually do the restoration work.
22 Depending on the extent of storm damage that was observed and recorded, PEF's
23 field work coordinators will determine the number of crews and the equipment and

1 material they will need. Only the number of crews needed will be retained for storm
2 restoration work. PEF has eight (8) transmission line crews and will apply these
3 resources before resorting to outside contractors and transmission crews from other
4 utilities. Logistics support obtains and arranges for the material and equipment to be
5 supplied to the lines crews where it is needed.

6 When the line crews go into the field to perform restoration work, PEF crew
7 members record the work done to repair the storm damage to an accounting number
8 assigned to the particular storm. When restoration requires that structures be
9 replaced, work estimates are developed that include the location of the work, the
10 number of poles or other transmission structures replaced, and the number and types
11 of other material used in the work. They are also provided a certain number of
12 “storm credit cards” to use for certain storm-related expenses only and charges to
13 those cards are linked to the storm account numbers. The storm account numbers and
14 estimates enable the Company to know what storm damage work was done, by
15 whom, and what material was used.

16 As actual invoices, work estimates, receipts, and other expense documents are
17 collected, cost analysts are assigned by the Company to review them to ensure that all
18 storm charges to the storm accounts qualify as storm costs or are otherwise
19 appropriately charged to the storm account. The costs analysts are not part of the
20 storm restoration effort or the Transmission Department. Any charges that do not
21 qualify as storm costs are removed from the storm account.

1 **Q. How would you characterize the Company's implementation of its Transmission**
2 **Department Storm Plan during the 2004 hurricane season?**

3 **A.** The 2004 hurricane season was unprecedented. Never before have we had four major
4 hurricanes strike our service territory in a single year let alone four hurricanes in a
5 span of about six weeks. To illustrate this, I have included as Exhibit __ (SSR-6) to
6 my testimony a composite map of the paths of the four hurricanes across PEF's
7 transmission system, and I have included as Exhibit __ (SSR-7) to my testimony a
8 composite of pictures of the storm damage our transmission system incurred. Under
9 those circumstances, and given the severe damage caused by the hurricanes, in
10 particular Hurricane Charley, the Transmission Department performed well,
11 implementing its Transmission Department Storm Plan and meeting or exceeding the
12 goals it set for itself during the storm restoration efforts. Many customers never lost
13 service at all as the Company was able to maintain the stability and integrity of its
14 transmission grid in the face of all four storms. There were, of course, lessons
15 learned during the course of the early hurricanes. But these lessons only improved
16 the Company's Plan in the later hurricanes as they were incorporated into the Plan for
17 the later storms.

18 For example, we quickly learned during Hurricane Charley that pole delivery
19 from a centralized location created bottlenecks that affected productivity. We moved
20 to decentralize pole delivery and began flying more transmission structures to the job
21 sites by air cranes. This proved to be both effective and efficient as it increased
22 restoration productivity so we made this delivery process a part of the plan for the
23 following storms. The Company's Transmission Department Storm Plan proved to

1 be an effective plan, then, guiding the expeditious and efficient restoration of the
2 transmission system during and following each of the hurricanes. An illustration of
3 what the Company was dealing with is contained in Exhibit __ (SSR-6) to my
4 testimony, which is a map of the composite paths of the four hurricanes on PEF's
5 transmission system.

6

7 **Q. Does this conclude your testimony?**

8 **A. Yes.**

9

10

11

12

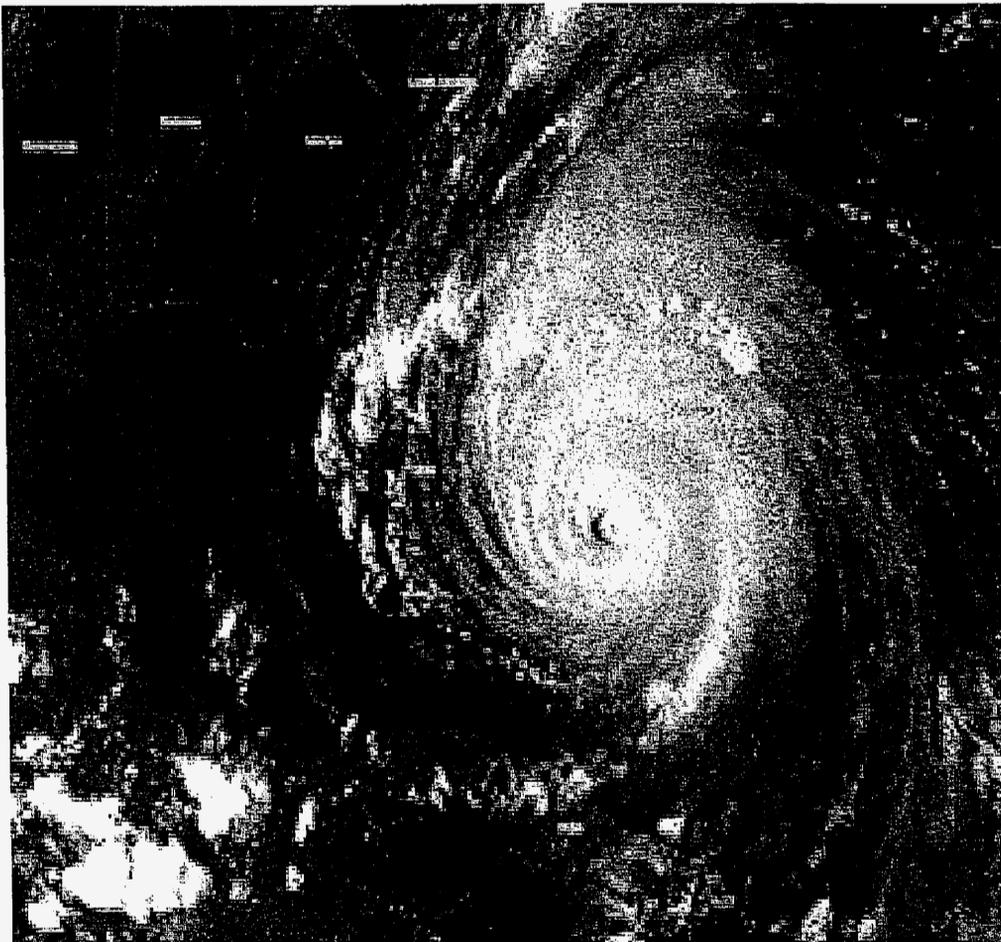
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Progress Energy

Transmission -Florida

Department Storm Plan



Rev. 2004-10

PEF-SR-00001

Transmission Department Storm Plan

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Progress Energy - Florida Transmission Department Storm Plan

I. INTRODUCTION

A. Preface

The following plan has been developed for use when either catastrophic damage to transmission facilities has occurred and the repair is beyond the capability of the local Transmission Maintenance personnel or the National Weather Service issues a wide area severe weather warning (e.g., hurricane expected to hit the Progress Energy - Florida (PE-FL) service area).

The main focus of the plan is directed towards quickly assessing the damage, determining manpower requirements, and initiating an appropriate restoration response. To accomplish this, the plan is divided into the following major areas: pre-season activities, pre-storm activities and damage assessment and repair.

The pre-season activities include reviewing/revising the current plan and making all appropriate arrangements prior to the start of the storm season.

The pre-storm activities section lists what needs are to be readied as a storm approaches. The amount of preparation should be based on the probability of a storm hitting an Progress Energy - Florida service area.

In the damage assessment and repair section, a survey of damage to the Progress Energy - Florida system is initiated. This information is then used to determine the needed resources for the restoration process and restoration is initiated with restoration priorities being formed from input from the ECC, Distribution and the Critical Lines and Substation lists.

Attachment 1 shows the Transmission Storm Team organization. When this storm plan is implemented, the organization that becomes effective consists of the Transmission System Coordinator, Assistant Transmission System Coordinators, Logistics Support Coordinators, Area Transmission Coordinators, and Field Coordinators. The Energy Control Center (ECC) and the Distribution System Storm Center (DSSC) will be notified when the Transmission Storm centers are activated.

The basic flow of information and resources within the Transmission Storm Organization is as follows: When line / substation or feeder breaker lockouts occur, the ECC / DCC, as appropriate, will contact the appropriate local transmission area storm center with that information (see Attach. 2A). The local transmission area storm centers will inform the Transmission Storm Center of these events. The local transmission area storm centers will dispatch crews and equipment as necessary to respond to the outages. The local storm center will prioritize their response to those outages using such factors as line criticality, customers out and Distribution's priorities. If the local areas are in need of more manpower, equipment, parts, food, lodging etc., they will inform the Logistics center of those needs. The Logistics center will obtain those resources. The Logistics Center will notify the Storm Center if the current resource needs within the organization exceed those available. The Transmission Storm Center will consult with the ECC and DCC, as appropriate, and then determine the priorities of the restoration activities for the available resources.

The Transmission System Coordinator will operate from the Transmission Storm Center, located at NorthPoint III in Lake Mary in Conference Room 3A1. The Storm Center will be set up by assigned personnel when requested by the Transmission System Coordinator or any of the Assistant Transmission System Coordinators.

The Logistics Support Coordinators will operate from the Logistics Support Center located at the NorthPoint III in Lake Mary in the Conference Room 4C4. The Logistics Support Center will be set up by the Logistics Support Coordinators when directed by the Transmission System Coordinator. The Logistics Support

Center will be available to provide material, engineering, contracting, accounting and scheduling support in restoration activities as directed by the Transmission System Coordinator.

This document was designed to inform the Transmission System Coordinator, Logistics Support Coordinator and the Area Transmission Coordinators of the resources that would be available to them when trouble occurs. It will also help the Coordinators direct and coordinate the work of numerous crews in a safe and efficient manner and with a minimum of confusion and delay. Also included as Attachment 5 is a list of the hurricane classifications and the probable damage that each can cause. This storm plan should be made available to all employees who have assigned duties.

Safety of employees and the public is of prime consideration when a Storm Plan is in effect, as it is during normal operations. Even greater precautions should be taken however in the following areas:

Be aware of hazards and/or potential hazards to the public and take reasonable precautions to ensure their safety.

Make sure any unique operating procedures and/or system equipment is clear to non-Company and Company personnel, which are not familiar with the Transmission Department.

B. Transmission Storm Center

The Transmission Storm Center is located at NorthPoint III in Lake Mary in Conference Room 3A1. The Storm Center is equipped with two phones for the Transmission Department use. Each phone has commercial line and Voicenet line numbers and are:

Bell: 407-942-9560 Vnet: 280-2560

A Fax is also available and the number is:

Bell: 407-942-9563 Vnet: 280-2563

The Storm Center will be set up by assigned personnel according to Attachment 6 when requested by the Transmission System Coordinator (TSC) or any of the Assistant Transmission System Coordinators (ATSC).

The Transmission System Coordinator and Assistant Transmission System Coordinators will direct and coordinate all transmission resources, equipment, and materials for system restoration activities whenever catastrophic damage to system transmission facilities has occurred or is anticipated. Detailed pre-storm and damage assessment & repair responsibilities are included in the TSC responsibility section of this plan.

In the event that the Transmission Storm Center is being threatened by a hurricane to require evacuation, the Transmission Storm Center will be moved to the ECC.

When the Storm Center is deactivated, it will be decommissioned using Attachment 7.

C. Logistics Support Center

The Logistics Support Center is located is located at NorthPoint III in Lake Mary in Conference Room 4C4. The Center is equipped with two phones for Transmission Department Support with roll-over capability:

Bell: 407-942-9565 Vnet: 280-2565

A Fax is also available and the number is:

Bell: 407-942-9568 Vnet: 280-2568

The Logistics Support Center will be set up according to Attachment 8 by the Logistics Support Coordinators whenever directed by the Transmission System Coordinator or Assistant Transmission System Coordinators.

The Logistics Support Coordinators will provide engineering, materials, contracting, accounting, and scheduling support in restoration activities as directed by the Transmission System Coordinator. Detailed pre-storm and damage assessment & repair responsibilities are included in the LSC responsibilities section of the plan.

In the event that the Logistics Support Center may be threatened by hurricane force winds during a storm event, it may be necessary to relocate the Logistics Support Center to the ECC or the Lake Mary Call Center.

When the Logistics Support Center is deactivated, it will be decommissioned using Attachment 9.

D. Area Transmission Centers

The Area Transmission Storm Centers will be set up at the Transmission Maintenance Area Headquarters or other site designated by the Area Transmission Coordinator when directed by the Transmission System Coordinator. The Area Transmission Coordinators are responsible for coordinating all assigned resources in service restoration activities. Detailed pre-storm and damage assessment & repair responsibilities are included in the Area Transmission Coordinator responsibilities section of the plan.

The Area Transmission Storm Centers are typically staffed with the Transmission Maintenance Area Manager being the Area Transmission Coordinator and the Staff engineer being the Assistant-Area Transmission Coordinator.

If their area is not being impacted by the storm, Transmission Maintenance Area Managers may be asked by the Transmission System Coordinator to assist in other roles such as at the Transmission Storm Center or the Logistics Support Center.

II. PRE-SEASON ACTIVITIES

A. Annual Review and Revision

Transmission Support Services Unit with the assistance of the Area Transmission Coordinators and the Transmission Engineering Section is responsible to ensure that the staff assignments and other necessary information included in this plan are kept up to date. Area Transmission Coordinators are to update their local storm plans annually and provide copies to the Supervisor - Transmission Support Services by May 1. Transmission Support Services will revise the Department Storm Plan annually and distribute by June 1st.

B. Pre-Season Planning

1. Director, Transmission Engineering - Responsibilities

- This person will ensure that the storm organization assignments supplied by this position's area of responsibility are kept current. Storm support resources provided by this position's area include helicopter support, EEI support, contracts, contractor support, engineering, etc. This position will, as necessary, verify contact names and phone numbers associated with these resources and staffing and provide any changes to the Supervisor, Transmission Support Services Unit by May 1st.
- In addition, this position will ensure that the Storm Center facilities are ready for the upcoming season, and all setup materials identified in Attachment 6 are ready and available by June 1st.
- Ensure all personnel know and understand storm assignments
- Distribute storm cards to supervisors as deemed necessary

2. Supervisor, Transmission Support Services Unit Responsibilities

- Storm support resources provided by this position's area include parts, materials, mobile transformers, etc. Transmission Support Services will revise the Department Storm Plan annually and distribute by June 1st.
- Ensure that the storm organization assignments supplied by this position's area of responsibility are kept current.
- Ensure that the necessary information included in this plan is kept up to date.
- Ensure that the Logistics Center facilities are ready for the upcoming season, and all setup materials identified in Attachment 8 are ready and available by June 1st.
- Contact the supervisor of System Integrity (SRPQ) and verify storm center support for the upcoming season to ensure they are prepared to provide fault recorder and fault location application expertise during major storms in Florida.
- Establish a staffing schedule for the Logistics Center to be used during storm responses. This schedule will list personnel names, their duties in the Logistics Center and what team they will staff the Logistics Center. It will include the names of individuals responsible for setting up the Transmission Storm Center and the Logistics Support Center, contract, engineering, materials support, food / lodging, System Integrity (SRPQ) and administrative (for issue tracking ,etc.) support persons assigned to the Logistics support center..
Distribute storm cards to construction supervisors as deemed necessary
Ensure all personnel know and understand storm assignments

3. Managers - Transmission Maintenance Areas Responsibilities

- Ensure that the staff assignments supplied by this position's area of responsibility are kept current. This position will, as necessary, verify contact names and phone numbers associated with their resources and staffing and provide any changes to the Supervisor, Transmission Support Services Unit by May 1st for inclusion in the department storm plan.
- This position will ensure that the Transmission Area Storm Center facilities are ready for the upcoming season, and all setup materials required by their local plans are ready and available by June 1st.
Appoint a coordinator for the maintenance and testing of emergency generators as applicable
- Ensure that arrangements for emergency fueling are established and confirmed at least once per year.
- Ensure that contractor and personnel directories are kept current.
- Area Transmission Coordinators are to update their local storm plans annually and provide copies to the Supervisor - Transmission Support Services by May 1.
- Distribute storm cards to supervisors as deemed necessary
- Ensure all personnel know and understand storm assignments

III. PRE-STORM ACTIVITIES

A. Transmission System Coordinator (TSC) and Assistants Responsibilities

- Issue declaration that the Transmission Storm Center has been activated to all or individual Logistic Support Coordinators, Area Transmission Coordinators, Energy Delivery Group, and other appropriate personnel and that their assistance with restoration efforts may be required. This assistance may mean that they will be expected to work extended hours and possible shift work may be required. If at all possible, notify appropriate personnel in advance that the Transmission Storm Center may be activated and that they should be prepared to spend time away from their homes.
- Notify Corporate Communications that the Transmission Storm Center is / will be activated
- Notify the ECC / DSSC that the Transmission Storm Center is / will be activated (NOTE: there is a Transmission Storm Organization Activation Notification Email template located on the Transmission Storm website on the storm Plans webpage)
- Make available all personnel, equipment, and other company resources deemed necessary and useful for restoring or maintaining service during a severe storm or other disaster.
- Inform the Logistics Storm Center that assistance has been requested and certain crew(s) or individuals should be sent to a specific location and report to a specific individual.
- Notify Distribution when the Transmission Storm Center has been activated.
- Track the progress of major storms and attempt to anticipate what area(s) might be affected and communicate this information to the Logistics Support Coordinator.
- Receive lodging and food resource requests from the Logistics Center. Request these services in the next storm conference call.
- Receive a list of all available construction contractors and construction materials on the system from the Logistics Support Center.
- Contact assigned personnel and request that the storm center be set up.
- Through reports from the Area Transmission Coordinators, determine the state of readiness of each area, to either cope with trouble in their areas or to send help to other Transmission Maintenance Areas.
- In the event of a civil disturbance, keep in contact with the following organizations: the National Guard and/or local police agencies. In addition, the Transmission System Coordinator should stay informed of any pending civil disturbances that could affect the Company's service area and pass this information to the Area Transmission Coordinators.
- Direct the Logistics Support Coordinator to place individual contractors and/or helicopter service on standby status and, when appropriate, direct Logistics Support Coordinator to take them off standby status.
- Direct Logistics Support Coordinator to contact material suppliers to reserve or hold critical materials for possible later shipment.
- Consider activating the Transmission Department Family Information Center if employees/families are required to evacuate their homes.
- Review the Storm Planning Checklist and Good Practices, Attachment 33
- Consider doing a pre-storm helicopter inspection of the 500 KV lines.
- Print out any internet based documents. Plan as if the internet will not be available
- Request Telecom do a pre-storm check of the radio system

III. PRE-STORM ACTIVITIES (cont'd)

B. Logistics Support Coordinator (LSC) Responsibilities

- Activate Logistics Support Center upon direction from Transmission System Coordinator.
- Shift assignments for the storm centers and all personnel need to be determined ASAP and decisions made to send appropriate people home for rest / home preparations
- Assign construction personnel their duties / reporting locations
- Initiate Pre-Storm activities upon notification of Pre-Storm Declaration by Transmission System Coordinator.
- Assess whether the storm may impact the Logistic Center facilities and determine if Logistics Center relocation is warranted.
- Notify affected individuals when notified of Transmission Storm Center activation and track resources and their locations. Keep the Transmission Storm Center updated on resource status.
- Contact the supervisor of System Integrity (SRPQ) and notify them of storm center activation so that they can provide storm center support with fault recorder and fault location application expertise.
Also request Maximo work orders be established for storm timekeeping.
- Contact the Heavy Moving crew supervisor to obtain cranes and other major equipment from vendors for storm support. Note: some equipment may take several days of lead time so this should be initiated early in storm preparation.
- Provide spare parts inventory support personnel in the Logistics Support Organization.
- Receive progress of major storms from Transmission System Coordinator.
- Make list of available construction contractors **on** the system and provide to the Transmission System Coordinator and the Area Transmission Coordinators.
- Make list of available construction materials **on** the system and provide to the Transmission System Coordinator and the Area Transmission Coordinators.
- Secure material inventory reports for available Transmission equipment when available.
- Make list of available construction contractors **off** the system and provide to the Transmission System Coordinator and the Area Transmission Coordinators.
- Make list of available construction materials **off** the system and provide to the Transmission System Coordinator and the Area Transmission Coordinators.
- Place contractors on stand-by status as directed by the Transmission System Coordinator.
- Contact material suppliers to reserve or hold critical materials for possible later shipment.
- Provide list of available helicopter service, move them into location where storm is not expected to hit, place on standby status and remove from standby status as directed by Transmission System Coordinator.
- Instruct company construction resources to initiate pre-storm activities and forward construction resource availability to Transmission System Coordinator.
- Develop preliminary storm plan crew schedule for system and provide to Transmission System Coordinator.
- Develop status and schedule/location of construction mobile substations and mobile switches, etc. and provide to Transmission System Coordinator.

III. PRE-STORM ACTIVITIES (cont'd)

B. Logistics Support Coordinator (LSC) Responsibilities (cont'd)

- Review the Storm Planning Checklist and Good Practices, Attachment 33
- Establish lodging and food resources for Logistic Support Center personnel and, if applicable, their families.
- Receive lodging and food resource requests from the Transmission areas, collate and provide to the Transmission System Coordinator for inclusion in the next storm conference call.
- Print out any internet based documents. Plan as if the internet will not be available
- Provide volunteers to staff the Transmission Department Family Information Center if activated by the Transmission System Coordinator. The Family info center would provide information and support to the families of Transmission personnel who are engaged in storm recovery.

III. PRE-STORM ACTIVITIES (cont'd)

C. Area Transmission Coordinator (ATC) Responsibilities

- Initiate Pre-Storm activities upon notification of Pre-Storm Declaration by Transmission System Coordinator.
- Establish and activate Area Transmission Storm Center upon direction from Transmission System Coordinator.
- Determine status of company labor resources available in Area and communicate to Transmission System Coordinator.
- Receive status and location of construction mobile substations and mobile switches from Logistics Support Coordinator.
- Provide Logistics Support Coordinator a list of available construction contractors in your area.
- Provide Logistics Support Coordinator inventory lists / locations of poles, crossarms & insulators
- Request from the Logistics Support Coordinator, as necessary, additional personnel be sent to the area storm center to help with logistics, food, lodging, etc.
- Determine the state of readiness of your responsible area to either cope with trouble in their areas or to send help to other Transmission Maintenance Areas and communicate this information to the Transmission System Coordinator.
- Testing of emergency generators and backup systems as applicable.
- Ensure that Maintenance Area Maps, substation direction books, and Transmission Line Access Maps are current and made available to crews as needed.
- Ensure that contractor and personnel directories are current.
- Request arrangements for emergency food & lodging for employees and contractor crews from the Logistics center.
- Confirm arrangements for emergency fueling.
- Designate a Materials Coordinator to handle material orders and material distribution.
Material orders should be coordinated through the Logistics Support Coordinator.
- Designate a team to handle oil spills and oil spill reporting.
- Follow the progress of major storms to anticipate what areas might be affected and pass this information to the Transmission System Coordinator and to Field Coordinators.
- If deemed advisable, move maintenance crews ahead of the storm into areas that are likely to be isolated/most heavily affected or contact the Transmission System Coordinator and request construction crew to be moved into area ahead of storm.
- Contact Transmission System Coordinator when appropriate and request contract helicopter advance movement to a location where the storm is not expected to hit.
- In the event of a civil disturbance, stay in close contact with the local police authorities.
- Review the Storm Planning Checklist and Good Practices, Attachment 33
- Print out any internet based documents. Plan as if the internet will not be available

III. PRE-STORM ACTIVITIES (cont'd)

C. Area Transmission Coordinator (ATC) Responsibilities (cont'd)

- Fuel up marsh masters and position
- During times of civil disaster in which electric facilities are/or might become damaged, are/or hazardous to the public, establish a liaison to keep the ATC posted on the progress of the disturbance. Do **not** dispatch Company personnel to/or near the troubled area until the police, Army, or National Guard arrives to escort the repair crew(s).

IV. DAMAGE ASSESSMENT AND REPAIR

A. Transmission System Coordinator (TSC) and Assistants Responsibilities

- Through the Area Transmission Coordinators, stay informed of the extent of damage and the progress of the repair work, including the location and number of Company, contractor, and tree crews in the affected area.
- Provide preliminary outage/damage report to Logistics Support Coordinator.
- Verify that the DSSC has requested or request implementation of Storm Plan accounting procedures from accounting.
- Determine the priority of system restoration from the Manager of System Operations or his alternate and provide to the Area Transmission Coordinator and the Logistics Support Coordinator.
- Direct Logistics Support Coordinator to contact neighboring utilities to determine the availability of their crews and enlist their assistance as needed.
- Assign mobile substation equipment, company construction crews, contractor crews, helicopter service, and major materials to maintenance areas and provide this information to the Area Transmission Coordinator and the Logistics Support Coordinator. (Note: This function may be assigned to the Logistics Support Center as determined by the TSC)
- Verify Distribution priorities and match transmission priorities for service restoration.
- Provide daily progress report to the Logistics Support Coordinator.
- Determine if contractor and neighboring utility crews can be released. The contractor or utility crew and supervisor's name of those to be released will be provided to the Logistics Support Coordinator.
- Provide appropriate storm damage/repair progress information to Management and to Corporate Communications.

IV. DAMAGE ASSESSMENT AND REPAIR (cont'd)

B. Logistics Support Coordinator (LSC) Responsibilities

- Contact company construction and contract crews and provide assessment & maintenance area assignment, location to report, and contact person to report to.
- To be provided preliminary outage/damage report from the Transmission System Coordinator.
- To be provided the initial priority for system restoration from the Transmission System Coordinator and updates as priorities change.
- Contact helicopter service for aerial patrol of lines.
- Coordinate materials and resources to the prioritized work location as directed by the Transmission System Coordinator.
- Coordinate all General Office resources, Construction crews, and Construction Support Personnel and provide initial single point of contact for Area Transmission Coordinators. Logistics Support Coordinator may then designate individuals to provide response information directly to the Area Transmission Coordinator.
- To be provided with each crew's work schedule by each Area Transmission Coordinator
- Provide schedule/listing of resources by Maintenance area and for system; indicating crew (contractor, company, other utility) by functional area with supervisor's name. This information should be provided and updated daily to the affected Area Transmission Coordinators and the Transmission System Coordinator.
- Provide Transmission System Coordinator and all Area Transmission Coordinators with appropriate project number.
- To be provided progress of repairs on a daily basis by the Area Transmission Coordinator.
- To be provided travel conditions in each maintenance area from the Area Transmission Coordinator.
- Provide material requisition and delivery information to the Area Transmission Coordinators.
- Assign patrol assignments and track to ensure best coverage / no duplications

IV. DAMAGE ASSESSMENT AND REPAIR (cont'd)

C. Area Transmission Coordinator (ATC) Responsibilities

- Coordinate all assigned resources to maintain or restore service in the Coordinator's Maintenance Area during a severe storm or other disaster.
- Make all initial requests for engineering, assessment, material, contracts, accounting, etc. to the Logistics Support Coordinator.
- Assist Field Coordinators in evaluating damages and determining manpower and materials needed.
- Contact the Transmission System Coordinator to request, as required, mobile substation equipment, cranes, and other specialty equipment and assistance of company construction crews, Construction Support Personnel, contractors, and crews and/or equipment from neighboring utilities.
- Contact Transmission Storm Coordinator with preliminary damage report if assistance is needed in the restoration of the system.
- Provide Logistics Support Coordinator with material and engineering requirements for restoration.
- Keep informed at all times of the location and number of construction and tree crews within the Maintenance Area and provide this information to the Transmission System Coordinator.
- Provide information on the condition of highways, in order to expedite crew arrivals at area headquarters, to Logistics Support Coordinator
- Keep informed of condition of highways in Maintenance Area. Give highest priority to downed lines crossing over interstate highways, primary and secondary roads, and other areas where public safety is a concern.
- Provide guides for out-of-town crews.
- With support from Field Coordinators, establish headquarters for crews to work out of and materials to be distributed from (notify Logistics Support Coordinator of this location).
- Immediately following a storm, establish work schedules for all crews and provide this information to the Transmission System Coordinator and the Logistics Support Coordinator.
- Designate a location for all Field Coordinators to report status of repairs at the end of each workday. Make work assignments for the next day at this time.
- Provide daily progress report to Transmission System Coordinator.
- Make recommendations for the release of contractor and neighboring utility crews to the Transmission System Coordinator.
- Notify Distribution personnel of the status of repairs to restore service and the priority of transmission work.
- Determine the disposition of materials and provide this information to the Logistics Support Coordinator.
- Make hotel/motel reservations for contract labor unless contractors specifies otherwise.

V. RECOVERY FOLLOWUP ACTIVITIES

A. Transmission System Coordinator (TSC) and Assistants Responsibilities

- Communicate deactivation of the Transmission Storm Center to all Transmission Areas, Logistics Support Center, and to Distribution.
- When the Storm Center has been deactivated the Distribution Storm Center should be notified of such and that if any additional resources are needed from Transmission, the local Transmission Area Manager or appropriate Construction Supervisor should be contacted directly. Provide Distribution with appropriate contact numbers for these resources.
- Ensure that contractors are released when a decision has been made that their services are no longer required. Failing to notify the contractors of this release will cost Progress Energy - Florida substantial amounts of money.
- Direct the Logistic Support Center to demobilize / cancel any pending contract, helicopter, neighboring utility support as applicable.
- Direct the Logistics Support Coordinator to decommission the Logistics Support Center.
- Notify Corporate Communications that the Transmission storm center is deactivated
- Decommission the Storm Center in accordance with Attachment 7.
- Follow-up on any actions needed to ensure the Storm Center is fully ready to support a future event.

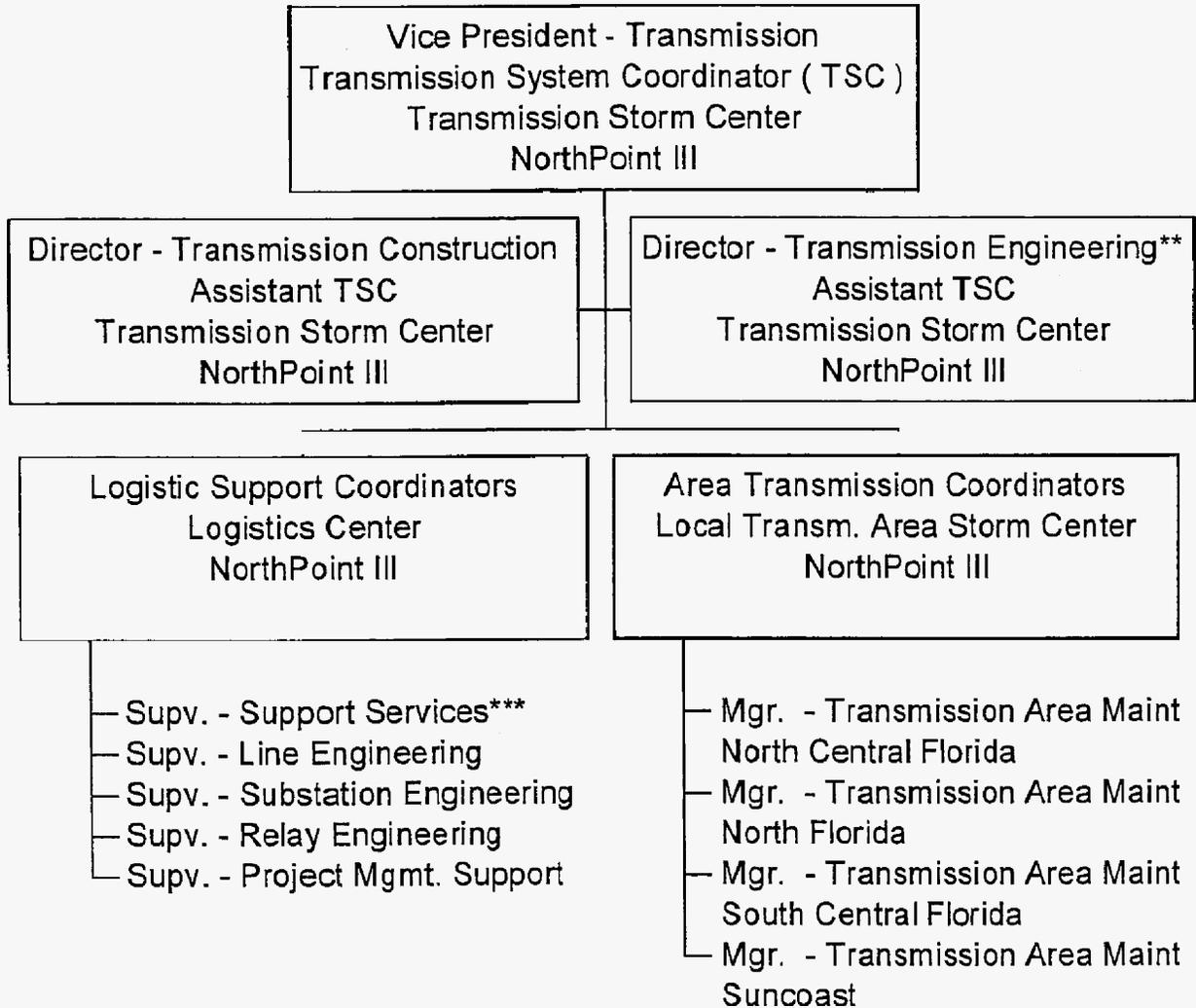
B. Logistics Support Coordinator (LSC) Responsibilities

- Demobilize / cancel any pending contracts, helicopters, neighboring utility support as directed by the Transmission System Coordinator.
- Upon cancellation of storm activities, cancel all contractors placed on standby and release all materials being held for Progress Energy - Florida.
- Decommission the Logistics Support Center when directed by the Transmission System Coordinator in accordance with Attachment 9.
- Follow-up on any actions needed to ensure the Logistics Support Center is fully ready to support a future event.

C. Area Transmission Coordinator (ATC) Responsibilities

- Following clean-up, send a complete storm report to the Transmission System Coordinator
- Follow-up on any actions needed to ensure the Area Storm Center is fully ready to support a future event.

Attachment 1 - Transmission Storm Team



** Storm Center Sponsor

*** Logistics Center Sponsor

Attachment 2 – Storm Centers

Description	Location	Bell #	Voicenet #	Fax Bell #	Fax Voicenet #
Transmission Storm Center	NorthPoint III, 3A1	407-942-9560	280-2560	407-942-9563	280-2563
		407-942-9561	280-2561		
	ECC (alternate location)	727-344-4340	220-4340		
		727-344-4341	220-4341		
Transmission Logistics Support Center	NorthPoint III, 4C4	407-942-9565	280-2565	407-942-9568	280-2568
		407-942-9566	280-2566		
		407-942-9567	280-2567		
Northern Storm Center	Transmission Maint. Bldg MO16, Monticello	850-342-2356	224-2356	850-342-2321	224-2321
North Central Storm Center	Apopka Building 2 Meeting Room	407-646-8593	237-5593	407-646-8502	237-5502
North Central Alternate Location	Apopka, Building #2 - Relay Shop	407-646-8589	237-5589		
South Central Storm Center	Buena Vista Operations Center	407-938-6713	280-6713	407-938-6720	280-6720
		407-938-6712	280-6712		
		Backup Number	407-938-6714		
Incoast Storm Center	Clearwater Operations Center Building A	727-562-3928	220-3928	727-562-3815	220-3815
Distribution System Storm Center (DSSC)	Northpoint Room 140	407-942-9581	280-2581	407-942-9588	280-2588
	(alternate location @ ECC)	727-384-7984	220-4948		

Weather links:

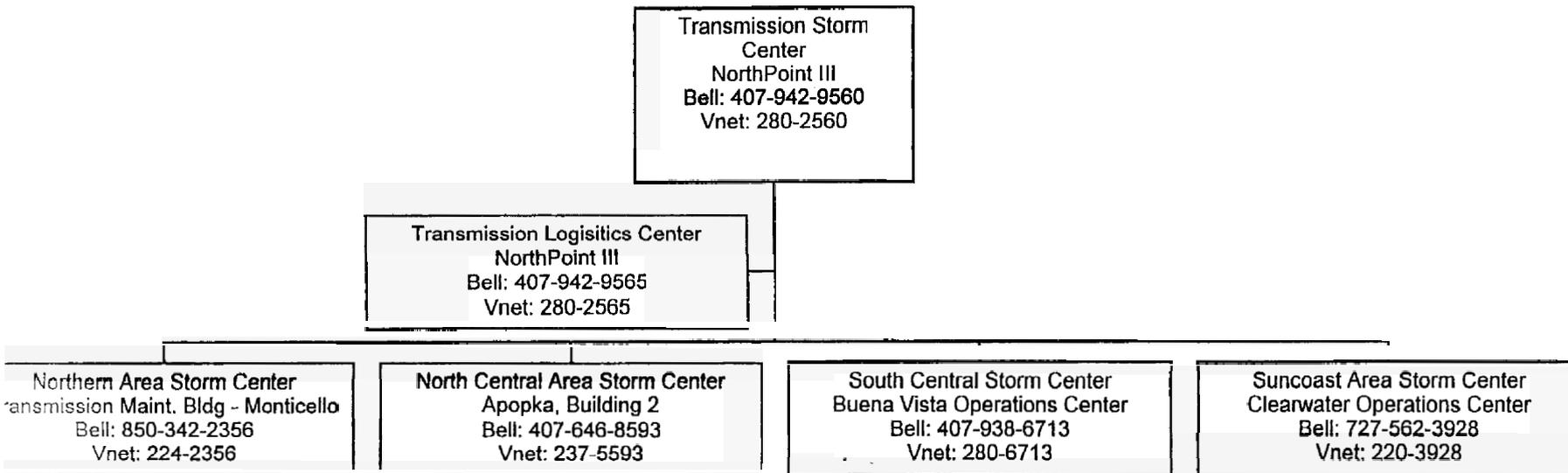
CC weather page: ftp://S00072/DOWNLOAD/ECC_ALL/WEATHER.HTM

Transmission - Florida:

<http://progressnet/fpt/storm/storm.cfm>

Attachment 2A – Storm Center Chart

Transmission Storm Centers



Calls on line and substation outages are to be directed towards the Area Storm Center the affected line / substation is in.

Attachment 3 – Transmission Key Contacts

The contents of this attachment are now located at:

<http://progressnet/fpt/directory/directory-FL-ED-mgmt.cfm>

Attachment 4 – Other Key Contacts

The contents of this attachment are now located at:

<http://progressnet/fpt/directory/directory-FL-ED-mgmt.cfm>

Attachment 5 – Storm Definitions and Hurricane Classification

Tropical Storm Watch: Is issued for a coastal area when there is the threat of tropical storm conditions within 24-36 hours.

Tropical Storm Warnings: May be issued when winds of 39-73 miles an hour (34-63 knots) are expected. If a hurricane is expected to strike a coastal area, tropical storm warnings will not usually precede hurricane warnings.

Hurricane Watch: Is issued for a coastal area when there is a threat of hurricane conditions within 24-36 hours.

Hurricane Warning: Is issued when hurricane conditions are expected in a specified coastal area in 24 hours or less.

SAFFIR/SIMPSON HURRICANE SCALE

This can be used to give an estimate of the potential property damage and flooding expected along the coast with a hurricane.

<u>CATEGORY</u>	<u>DEFINITION – EFFECTS</u>
ONE	<u>Winds 74-95 MPH or storm surge 4-5 feet above normal.*</u> No real damage to building structures. Damage primarily to unanchored mobile homes, shrubbery and trees. Also, some coastal road flooding and minor pier damage.
TWO	<u>Wind 96-110 MPH or storm surge 6-8 feet above normal.*</u> Some roofing material, door and window damage to buildings. Considerable damage to vegetation, mobile homes and piers. Coastal and low-lying escape routes flood 2-4 hours before arrival of center. Small craft in unprotected anchorage's break moorings.
THREE	<u>Winds 111-130 MPH or storm surge 9-12 feet above normal.</u> Some structural damage to small residences and utility buildings with a minor amount of curtainwall failures. Mobile homes are destroyed. Flooding near the coast destroys smaller structures with larger structures damaged by floating debris. Terrain continuously lower than 5 feet above sea level may be flooded inland as far as 6 miles.
FOUR	<u>Winds 131-155 MPH or storm surge 13-18 feet above normal.</u> More extensive curtainwall failures with some complete roof structure failure on small residences. Major erosion of beach areas. Major damage to lower floors of structures near the shore. Terrain continuously lower than 10 feet above sea level may be flooded requiring massive evacuation of residential areas inland as far as 6 miles.
FIVE	<u>Winds greater than 155 MHP or storm surge greater than 18 feet above normal.*</u> Complete roof failure on many residences and industrial buildings. Some complete building failures with small utility buildings blown over or away. Major damage to lower floors of all structures located less than 15 feet above sea level and within 500 yards of the shoreline. Massive evacuation of residential areas on low ground with 5-10 miles of the shoreline may be required.

**Actual storm surge values will vary considerably depending on coastal configurations and other factors.*

Attachment 6 – Storm Center Setup

- 1) Obtain the materials below and set up the Transmission Storm Center at conference room NP3 3A1.
- 2) For phone setup, do the following:
 - a) Obtain 1 beige phone and a black Lucent phone from the Logistics Center drawer located at NP2E.
 - b) Obtain the fax located at NP2C (Construction.)
 - c) Connect the fax machine to the jack labeled "FAX x2563"
 - d) Locate the splitter connected to the floor jack in the center of the room. Connect the black Lucent phone to the splitter where it is labeled "x2560"
 - e) Connect (or verify connected) the conference phone to the splitter where it is labeled "x2606"
 - f) Connect the beige phone labeled "280.2561" to the wall jack labeled "voice x2561"
- 3) The phones, when connected per the above instructions, work as follows. Extension X2560 is listed as the primary phone number for the storm center. The first call in rings extension 2560. The second call in will ring x2560 if it is not answered in several rings it will roll over to x2561. The conference call line, x2606 has no rollover capability.
- 4) Notify the Transmission Storm Coordinator when the facility is ready for operation.

The following is a list of items that should be taken to the Storm Center.

Name	Source
Fax machine	Obtain the fax machine located at NP2C
Key contacts list	http://progressnet/fpt/directory/directory-FL-ED-mgmt.cfm
Department Storm Plan manual	http://progressnet/fpt/storm/stormdocs.cfm
All Area Storm plan manuals	http://progressnet/fpt/storm/stormdocs.cfm
Mobile Transformer Assignments	http://progressnet/fpt/Equipment/pool.cfm
Line code list	http://progressnet/fpt/sections/all-lines.cfm?srt=old_co_nb&srtid=One%20Line&dept=501
Transmission One Line Switching Diagrams	Storm Center drawer – NP2C
County maps	Storm Center drawer – NP2C
State of Florida Electric System map	Storm Center drawer – NP2C
EI Manual Assistance Roster	Storm Center drawer – NP2C
Flip chart markers, pens, sticky notes, pads, clips.	Storm Center drawer – NP2C
1 lantern type flashlight and 2 regular flashlights w/ batteries	Storm Center drawer – NP2C

Attachment 7 – Storm Center Decommissioning

1. Put the room back to its normal configuration
2. Return the items obtained on Attachment 6 to the locations they were obtained from.
3. Replenish any items used on Attachment 6 during the storm

Attachment 8 – Logistics Support Center Setup

- 5) Obtain the materials below and set up the Transmission Logistics Center at conference room NP4 4C4.
- 6) For phone setup, do the following:
 - a) Obtain the 2 beige phones and the black Lucent phone from the Logistics Center drawer located at NP2E.
 - b) Obtain the fax located at NP2D (Proj. Mgmt.)
 - c) Connect the fax machine to the jack labeled "FAX x2566"
 - d) Locate the splitter connected to the floor jack in the center of the room. Connect the black Lucent phone to the splitter where it is labeled "x2565"
 - e) Connect (or verify connected) the conference phone to the splitter where it is labeled "x2608"
 - f) Connect the beige phone labeled "280.2567" to the wall jack labeled "voice x2567"
 - g) Connect the beige phone labeled "280.2566" to the wall jack labeled "voice x2566"
- 7) Notify the Transmission Storm Coordinator when the facility is ready for operation.

The following is a list of items that should be available at the Logistics Support Center.

Name	Source
Computer	Obtain Greg Welker's or other computer
Fax machine	The fax machine located just at NP2D (Proj. Mgmt.)
Key contacts list	http://progressnet/fpt/directory/directory-FL-ED-mgmt.cfm
Department Storm Plan manual	http://progressnet/fpt/storm/stormdocs.cfm
All Area Storm plan manuals	http://progressnet/fpt/storm/stormdocs.cfm
Mobile Transformer Assignments	http://progressnet/fpt/Equipment/pool.cfm
Parts Book	Printout from Passport
Line code list	http://progressnet/fpt/sections/all-lines.cfm?srt=old_co_nb&srtid=One%20Line&dept=501
Transmission One Line Switching Diagrams	Storm Center drawer – NP2C
County maps	Storm Center drawer – NP2C
State of Florida Electric System map	Storm Center drawer – NP2C
Flip chart markers, pens, sticky notes, pads, clips.	Storm Center drawer – NP2C
1 lantern type flashlight and 2 regular flashlights w/ batteries	Storm Center drawer – NP2C
2 easels with regular (2) and Post-it style (2) flipchart pads.	NP2C

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Attachment 9 – Logistics Support Center Decommissioning

1. Remove all phones (except the conference phone) and their cords and all other unused supplies return them to storm drawers.
2. Put the room back to its normal configuration
3. Return the items obtained on Attachment 8 to the locations they were obtained from.
4. Replenish any items used on Attachment 8 during the storm

Attachment 10 – Engineering Support

Name	Work Number	Vnet Number	Beeper**	Cell	Home Number
<u>Director, Transmission Engineering</u>					
Ray DeSouza	407-942-9293	280-2293	none	[REDACTED]	[REDACTED]
<u>Project Management</u>					
John Goff	407-942-9526	280-2526	none	[REDACTED]	[REDACTED]
<u>Line Engineering</u>					
Paul Jakob	407-942-9252	280-2252	none	[REDACTED]	[REDACTED]
Gene Rasponi	407-942-9253	280-2253	none	[REDACTED]	[REDACTED]
<u>Substation Engineering</u>					
Nelson Anello	727-820-5259	230-5259	none	[REDACTED]	[REDACTED]
David Bower	407-942-9289	280-2289	none	[REDACTED]	[REDACTED]
Debi Prince	407-942-9296	280-2296	none	[REDACTED]	[REDACTED]
<u>Relay Engineering</u>					
Seung Kang	727-820-5276	230-5276	none	none	[REDACTED]
Lynn Vogt	407-942-9260	280-2260	[REDACTED]	none	[REDACTED]
Parris Van Smith	407-942-9403	280-2403	none	none	[REDACTED]
[REDACTED]					

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Attachment 11 – Materials Support

Relay and Substation Parts

Judy Kinnaird Bell: 727-893-9337
 Vnet: 220-3337
 Cell: [REDACTED]
 Pvt ID [REDACTED]
 Largo Home [REDACTED]
 Zellwood Home [REDACTED]

Major Substation Equipment & Bushings

Charlie Clark Bell: 352-748-8765
 Vnet: 223-4765
 Cell: [REDACTED]
 Home: [REDACTED]

System Transformer Repair / Mobile Transformers Contact

David Deines Bell: 407 942-9292
 Vnet: 280-2292
 Cell: [REDACTED]
 Home: [REDACTED]

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Attachment 11 – Materials Support (cont'd)

Wildwood Central Warehouse

Steve McIntyre - Supervisor
Bell: 352-748-8772
Vnet: 223-4772



Les Hannah
Bell: 352-748-8761
Vnet: 223-4761



Alfred Corbin
Bell: 352-748-8762
Vnet: 223-4762



Charolette Adkins
Bell: 352-748-8763
Vnet: 223-7463



Richard Lyals
Bell-352-748-8748
Vnet- 223-4748



Heavy Hauling

Janel Davies - Supervisor
Vnet: 223-4744
Bell: 352-748-8744



Karen Casalese
Vnet: 223-4740
Bell: 352-748-8740



Donny (Slim) Kinney
Vnet: 223-4741
Bell: 352-748-8741



Attachment 12 – Energy Control Center Contact Numbers

	Bell	Cell	Satellite Phone
Generation desk	(727) 820-5888	[REDACTED]	[REDACTED]
Transmission desk	(727) 384-0058	[REDACTED]	[REDACTED]
Interchange desk	(727) 384-7877	[REDACTED]	[REDACTED]
ECC Storm center	(727)344-4106	[REDACTED]	
Director, System Operations - Florida: Eric Grant	(727) 384-7814	[REDACTED]	[REDACTED]
Manager, System Operations: Rey Garcia	(727) 384-7818	[REDACTED]	
Manager, Network Reliability: Lee Schuster	(727) 384-7981	[REDACTED]	

Attachment 13 – Transmission Planning

<u>NAME</u>	<u>TITLE</u>	<u>WORK</u>	<u>VNET</u>	<u>CELL</u>	<u>HOME</u>
Hayes, Jeffrey W.	Senior Engineer	727/384-7520	220-4520	[REDACTED]	[REDACTED]
McNeill, Alfred G.	Senior Engineer	727/384-7945	220-4945	[REDACTED]	[REDACTED]
Pagel, Barry G.	Lead Engineer	727/384-7970	220-4970	[REDACTED]	[REDACTED]
Strain, Randall R.	Senior Engineer	727/384-7953	220-4953	[REDACTED]	[REDACTED]
Swain, Cynthia A.	Eng. Tech. Support Spec.	727/384-7938	220-4938	----	[REDACTED]
Washburn, Nancy	Admin. Asst.	727/384-7935	220-4935	----	[REDACTED]
Gary P. Webster	Senior Engineer	727/344-4364	220-4364	----	[REDACTED]

Attachment 14 – Corporate Communication / ITSD – Telecommunications Emergency Contacts

Manager, Corporate Communications - Florida: TBD

Karen Breakell

Bell 727-820-5684
VNet 230-5684
Cell NA
Pager NA
Home [REDACTED]

Aaron Perlut

Bell 727 820 5590
VNet 230 5590
Cell [REDACTED]
Pager [REDACTED]
Home [REDACTED]

Rick Janka

Bell 727 820 5006
VNet 230 5006
Cell [REDACTED]
Pager [REDACTED]
Home [REDACTED]

Craig Eicher

Bell 407 942 2518
VNet 280 2518
Cell [REDACTED]
Pager [REDACTED]
Home [REDACTED]

ITSD & Telecommunications Emergency Contacts

For computer support help call: [REDACTED]

For telecommunications support help call: [REDACTED]

Attachment 15 – Crystal River #3 Emergency Contacts

	Bell	Vnet	Cell Phone
[REDACTED]	[REDACTED]	[REDACTED]	
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]			[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	

Attachment 16 – T&D Services Contacts

Name	Title	Outside	VoiceNet	Cell	Home
eaudooin, David	Eng. Tech. Support Specialist - IR	407-942-9213	280-2213	[REDACTED]	[REDACTED]
ngle, Esta	Revenue Support Specialist- Wireless	407-942-9299	280-2299	[REDACTED]	[REDACTED]
uis, Troy	Manager	407-942-9446	280-2446	[REDACTED]	[REDACTED]
ahhr, Chuck	Senior Engineer	407-942-9206	280-2206	[REDACTED]	[REDACTED]
ackson, Mark	Senior Engineer	407-942-9650	280-2650	[REDACTED]	[REDACTED]
olliday, Pauline	Tech Support Asst. II	407-942-9216	280-2216	[REDACTED]	[REDACTED]
nes, Collier	Lead E D Tech Proj Mgmt Spec - Northern	407-942-9390	280-2390	[REDACTED]	[REDACTED]
eller, Keith	Sr Engr Technical Supt Spec - Telecom	407-942-9247	280-2247	[REDACTED]	[REDACTED]
ir, Julie	Sr. Admin. Asst.	407-942-9457	280-2457	[REDACTED]	[REDACTED]
McGee, Ellen	Sr Bus Fin Anlyst	407-942-9270	280-2270	[REDACTED]	[REDACTED]
iller, Donnie	Lead E D Tech Proj Mgmt Spec - Suncoast	727-384-7815	220-4815	[REDACTED]	[REDACTED]
Piper, Gary	Assoc Engr Tech. Supt Spec-Fiber	407-942-9225	280-2225	[REDACTED]	[REDACTED]
obby Burgess	Director	407-942-9217	280-2217	[REDACTED]	[REDACTED]
Name	Title	Outside	VoiceNet	Cell	
orehead, Bob	Vice President	727-820-5008	230-5008	[REDACTED]	
McCree, Cyndi	Admin. Asst. to Department Head	727-820-5778	230-5778	[REDACTED]	
Contractors					
Name	Speciality	Outside	Voice Net	Cell	
Brocksmith, William	Fiber/Field Coordinator	407-942-9259	280-2259	[REDACTED]	
ucker, Ben	Land Acquisition & Permitting	407-942-9361	280-2361	[REDACTED]	
FAX Numbers					
Location	Outside	Voice Net			
Northpoint	407-942-9487	280-2487			
Miller	272-384-4865	220-4865			
orehead	727-820-5715	230-5715			

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Attachment 17 – State Emergency Contact Numbers

Florida Dept. of Emergency Management, ESF-12

Voice: 850-921-0165

Fax: 850-488-7841

Attachment 18 – Statewide Energy Emergency Contact Personnel

CONTACT NAME	CONTACT INFORMATION
--------------	---------------------

FRCC State Capacity Emergency Coordinator (FPL)	Jeff Gooding Office (305) 442-5746 Fax (305) 442-5672 Home [REDACTED] Mobile [REDACTED] Email [REDACTED]
---	--

RCC Security Coordinator (FPL)	24 Hour Phone Number 305-442-5748 Wendell Payne FPL Office (305) 442-5226 Fax (305) 442-5022 Home [REDACTED] Mobile [REDACTED] Email [REDACTED]
--	--

Chair RCC Operating Committee	Marty Mennes FPL Office (305) 552-4138 Fax (305) 228-5116 Home [REDACTED] Mobile [REDACTED] Email [REDACTED]
--	---

Vice Chair RCC Operating Committee	Ted Hobson JEA Office (904) 665-7126 Fax (904) 665-7187 Home [REDACTED] Mobile [REDACTED] Beeper [REDACTED] Email [REDACTED]
---	--

Chair RCC Operating Reliability Subcommittee	Ron Donahey TEC Office use mobile number Fax (813) 630-6299 Home [REDACTED] Mobile [REDACTED] Email [REDACTED]
---	---

Chair RCC Engineering Committee	Tom Washburn OUC Office (407) 384-4066 Fax (407) 384-4062 Home [REDACTED] Mobile [REDACTED]
--	---

Email twashburn@ouc.com

Vice Chair
CC Engineering Committee

Ron Donahey
TEC

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FRCC

FRCC Staff

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Director of Reliability

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Patti Metro
Senior Engineer

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FRCC Staff (cont.)

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Staff Engineer

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Asst. to President/CEO

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Executive Asst.

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Florida Gas Transmission Company

Bob Hayes
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(Primary Contact)

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Mobile [Redacted]
Pager [Redacted]
Email [Redacted]

Rick Craig
VP Southeast Operations
(Secondary Contact)

Office (713) 646-7227
Fax (713) 646-4808
Home [Redacted]
Mobile [Redacted]
Beeper [Redacted]
Email [Redacted]

Florida Gas Transmission Company (cont.)

Mike Bryant
Director, Gas Control & Optimization

Office (713) 853-4874
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Pager [Redacted]
Email [Redacted]

Jim Dowden
Director - Marketing

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Mike Teal
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Alan Weatherford
Director of Operations
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Beeper [Redacted]
Email [Redacted]

Gulfstream

Guy Buckley
Sr. VP & General Manager
(Primary Contact)

Office (813) 282-6611
Fax (813) 289-4438
Home [Redacted]

Gulfstream
(cont.)

George Matzke
VP, Marketing
(Secondary Contact)

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Beeper [REDACTED]
Email [REDACTED]

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Fax (813) 289-4438

Home [REDACTED]
Mobile [REDACTED]
Beeper [REDACTED]
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Al Taylor
VP, Operations

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Home [REDACTED]
Mobile [REDACTED]
Beeper [REDACTED]
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Florida Public Service
Commission

Jim Ruehl
Emergency Coordinator

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Edward Mills
Bureau Chief

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Home [REDACTED]
Email [REDACTED]

Roland Floyd
Bureau Chief

Office (850) 413-6676
Fax (850) 413-6677

Home [REDACTED]
Email [REDACTED]

Joe Jenkins
Asst. Director

Office (850) 413-6626
Fax (850) 413-6627

Home [REDACTED]
Email [REDACTED]

A Division of Emergency
Management

Office (850) 413-9900
(850) 413-9910
(850) 413-9911
Fax (850) 488-7841

State Warning Point
Hour Emergency Contact

PEF-SR-00040

Satellite Phone (888) 819-7126

Division of Emergency Management

Craig Fugate
Director

Office (850) 413-9969
Fax (850) 488-1016
Home
Mobile
Beeper

Email

Michael Delorenzo
Bureau Chief
Preparedness &
Response

Office (850) 410-1597
Fax (850) 488-5777

Home
Mobile
Beeper

Email

Danny Kilcollins
Planning Manager

Office (850) 413-9859
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Home
Beeper

Email

Department of Energy
Office of Energy Assurance

Tony Puzzilla

Office (202) 287-1771
Fax (202) 287-1804

Email

Department of Energy
Office of Emergency Management

Wade Townsend

Office (202) 586-8100 - 24 hrs.

Fax (202) 586-8485

Email

Gulf Power Company

Bill Bush
Supervisor, System Control

Office (850) 444-6517
Fax (850) 444-6507

Home
Mobile
Beeper

Email

Alabama Electric Cooperative,
Inc.

Tim Hattaway
Supervisor, Energy Control

Office (334) 427-3282
Fax (334) 222-2179
Cnt Ctr (334) 222-2630

Mobile

Email

PEF-SR-00041

Southern Company Services

Power Coordination Center

Office (205) 257-6303

(205) 257-6302

(205) 257-6301

Fax (205) 257-5533

Jim Griffith
Manager, Operations

Office (205) 257-6892

Fax (205) 257-6663

Home [REDACTED]

Mobile [REDACTED]

Beeper [REDACTED]

Email [REDACTED]

Attachment 19 – FRCC Operating Committee Contacts

INVESTOR-OWNED UTILITY SECTOR

FPL	Mr. Marty Mennes, Chair Florida Power & Light	4200 W. Flagler St. Rm. #3400 Miami, FL 33134	305/442-5246 Fax: 305/442-5022
FPL – A	Mr. Wendell Payne Florida Power & Light	4200 W. Flagler St. Rm. #3400 Miami, FL 33134	305/442-5226 Fax: 305/442-5022
FPL – A	Mr. Don McInnis Florida Power & Light	4200 W. Flagler St. Rm. #3400 Miami, FL 33134	305/442-5272 Fax: 305/442-5022
FPC	Mr. Chuck Harper Progress Energy - Florida	6565 38 th Avenue, North St. Petersburg, FL 33710	727/384-7819 Fax: 727/384-7865
FPC – A	Mr. Eric Grant Progress Energy - Florida	6565 38 th Avenue, North St. Petersburg, FL 33710	727/384-7814 Fax: 727/384-7865
TEC	Mr. Ron Donahey Tampa Electric Company	Post Office Box 111 Tampa, FL 33601	813/623-5120 Fax: 813/630-6299
TEC – A	Ms. Beth Young Tampa Electric Company	Post Office Box 111 Tampa, FL 33601	813/630-6380 Fax: 813/630-6299

GENERATING LOAD SERVING ENTITY SECTOR

GRU	Mr. Mark Bennett Gainesville Regional Utilities	4322 NW 53 rd Avenue Gainesville, FL 32614-7117	352/334-3500 x 6418 Fax: 352/334-2676
JEA	Mr. Ted Hobson, Vice Chair JEA	7720 Ramona Blvd. Jacksonville, FL 32202	904/665-7126 Fax: 904/665-7187
LAK	Mr. Richard Gilbert City of Lakeland	501 East Lemon Street Lakeland, FL 33801-5050	863/834-6551 Fax: 863/834-6545
OUC	Mr. Tom Calabro OUC	P. O. Box 3193 Orlando, FL 32802-3193	407/384-4047 Fax: 407/384-4089
OUC - A	Mr. Bill Rouse OUC	P. O. Box 3193 Orlando, FL 32802-3193	407/384-4043 Fax: 407/384-4089
TAL	Mr. Rusty Foster City of Tallahassee	System Control 400 E. Van Buren Tallahassee, FL 32301	850/891-2367 Fax: 850/891-3128
TAL – A	Mr. Alan Gale City of Tallahassee	System Control 400 E. Van Buren Tallahassee, FL 32301	850/891-3025 Fax: 850/891-3005

POWER MARKETER SECTOR

CPS	Mr. Steve Carroll Constellation Power Source	c/o Oleander Power Project, L.P. 555 Townsend Road Cocoa, FL 32926	321/638-4785 Fax: 321/638-0967
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Attachment 19 – FRCC Operating Committee Contacts (cont'd)

GENERATOR SECTOR

CALPINE	Calpine Corporation	700 Louisiana Street, Suite 2700 Houston, TX 77002	
MIR	Mr. John Twitchell Mirant Corporation	1 155 Perimeter Center West Atlanta, GA 30338-6997	678/579-6690 Fax: 678/579-4033
PG&E	Mr. Doug Bullock Indiantown Cogeneration, L. P.	Post Office Box 1799 Indiantown, FL 34956	772/597-6500 x 15 Fax: 772/597-6520
RES	Mr. John Simpson Reliant Energy Services	1 111 Louisiana Street, REP-1676 Houston, TX 77002	713/497-8429 Fax: 713/497-0581
RES – A	Mr. Michael B. Antonell Reliant Energy Services	9010 SW 137 th Ave. - Suite 228 Miami, FL 33186	305/387-9099 Fax: 305/387-8959
SEPA	Mr. Bob Goss Southeastern Power Admin.	1 166 Athens Tech Road Elberton, GA 30635-4578	706/213-3860 Fax: 706/283-1787

NON-UTILITY SECTOR

FMPA	Mr. Steve McElhaney Florida Municipal Power Agency	8553 Commodity Circle Orlando, FL 32819-9002	407/355-7767 Fax: 407/355-5793
FMPA – A	Mr. Gene Way Florida Municipal Power Agency	8553 Commodity Circle Orlando, FL 32819-9002	407/355-7767 Fax: 407/355-5793
SEC	Mr. Steve Wallace Seminole Electric Coop	Post Office Box 272000 Tampa, FL 33688-2000	813/739-1251 Fax: 813/963-2909

Attachment 19 – FRCC Operating Committee Contacts (cont'd)

LOAD-SERVING ENTITY SECTOR

CEC	Mr. Bob Remley Clay Electric Cooperative	Post Office Box 308 Keystone Heights, FL 32656-0308	352/473-8000 x 351 Fax: 352/473-1351
FTP	Mr. Ed Leongomez Fort Pierce Utilities Authority	311 N. Indian River Drive Fort Pierce, FL 34950	772/464-5792 Fax: 772/489-7596
HST	Mr. Renny Ramai City of Homestead	675 N. Flagler Avenue Homestead, FL 33030-6173	305/247-1801 x 184 Fax: 305/247-4008
HST – A	Mr. Ken Konkol City of Homestead	675 N. Flagler Avenue Homestead, FL 33030-6173	305/247-1801 x 619 Fax: 305/247-4008
KEY	Mr. Harry Bethel Keys Energy Services	P. O. Drawer 6100 Key West, FL 33040-6100	305/295-1062 Fax: 305/295-1060
KUA	Mr. Robert Miller Kissimmee Utility Authority	Post Office Box 423219 Kissimmee, FL 34741	407/933-7777 x 1235 Fax: 407/847-0787
KUA – A	Mr. Greg Woessner Kissimmee Utility Authority	Post Office Box 423219 Kissimmee, FL 34741	407/933-7777 x 3202 Fax: 407/847-0787
LWU	Mr. Walt Gill City of Lake Worth	1900 2 nd Avenue North Lake Worth, FL 33461	561/586-1706 Fax: 561/586-1759
NSB	Mr. Tim Beyrle Utilities Commission of New Smyrna Beach	P. O. Box 100 New Smyrna Beach, FL 32170	386/423-7128 Fax: 386/423-7103
OEU	Mr. Joe Roos Ocala Electric Utility	P. O. Box 1270 Ocala, FL 34478-1270	352/351-6652 Fax: 352/401-6991
OEU – A	Mr. David Anderson Ocala Electric Utility	P. O. Box 1270 Ocala, FL 34478-1270	352/351-6620 Fax: 352/351-8263
RCI	Mr. John Giddens Reedy Creek Energy Services	Post Office Box 10000 Lake Buena Vista, FL 32830	407/824-4892 Fax: 407/824-5396
RCI – A	Mr. Bernie Budnik Reedy Creek Energy Services	Post Office Box 10000 Lake Buena Vista, FL 32830	407/824-6441 Fax: 407/824-6907

Attachment 19 – FRCC Operating Committee Contacts (cont'd)

ADJUNCT MEMBER

GULF	Mr. Bill Howell Gulf Power Company	One Energy Place Pensacola, FL 32520-0323	850/444-6335 Fax: 850/444-6355
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AFFILIATE MEMBER

TEA	Mr. Shel Ferdman The Energy Authority	76 S. Laura St. Jacksonville, FL 32202	904/360-1401 Fax: 904/634-0425
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SUBCOMMITTEE CHAIRS

FRCC	Ms. Linda Campbell, CS Florida Reliability Coordinating Council	1408 N. Westshore Blvd., Suite 1002 Tampa, FL 33607-4512	813/289-5644 Fax: 813/289-5646
FPL	Mr. Kaveh Tarighy, DEWG Florida Power & Light Company	4200 W. Flagler Street Miami, FL 33134	305-442-5252 Fax: 305-442-5835
TEC	Mr. Ron Donahey, ORS Tampa Electric Company	Post Office Box 111 Tampa, FL 33601	813/623-5120 Fax: 813/630-6299
SEC	Mr. Charles Wubbena, SOS Seminole Electric Cooperative	Post Office Box 272000 Tampa, FL 33688-2000	813/739-1267 Fax: 813/963-2909
FPL	Mr. Joel DeGranda, TS Florida Power & Light Company	4200 W. Flagler Street Miami, FL 33134	305/442-5271 Fax: 305/442-5142

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Attachment 20 – Contract Provisions for Emergency Work

When contractor is utilized under emergency conditions due to hurricanes, snow, ice storms, etc., or for special assignments requested by Progress Energy - Florida, the following conditions apply:

1. Contractor agrees to furnish all labor, tools, equipment, transportation, and supervision to perform emergency storm work at the following rates:
 - a. *Equipment* at contractor's standard hourly rates.
 - b. *Labor* at contractor's hourly payroll rate in effect at the time the work is done, plus overhead.
2. All invoices for work done at hourly rates will be supported by a copy of the time tickets. Overtime for a partial week will be supported by time tickets for the full week.
3. Each meal ticket which Progress Energy - Florida is obligated to pay, whether charged to Progress Energy - Florida or billed on the invoice, will show the name of the restaurant, town, date, which meal, name of the contractor, and Progress Energy - Florida, and each meal ticket will be signed by contractor's employee. Contractor employee shall be provided a meal every six hours.
4. Each lodging receipt which Progress Energy - Florida is obligated to pay, whether charged to Progress Energy - Florida or billed on the invoice, will show the name of the place of lodging, town, date, name of contractor, and Progress Energy - Florida, and each receipt will be signed by contractor's employee.
5. Before Progress Energy - Florida will pay overtime for a partial week, Progress Energy - Florida must be furnished documentation of hours worked for each person on another utility system, by means of a copy of work report rendered to that utility company. It is understood that Progress Energy - Florida will pay travel time for each person to and from his normal assembly point, to and from each emergency headquarters and, while at emergency headquarters, to and from each work location.
6. If a contractor employee is required to work in excess of sixteen (16) hours in the twenty-four (24) hour period, the overtime rate shall prevail until such time as the employee is given an eight (8) hour rest period.

Attachment 21 – Emergency Helicopter Service

Upstate Helicopters
Office: 864-595-0164

Barry Stroud, Owner pilot
Home: [REDACTED]
Mobile: [REDACTED]
Beeper: [REDACTED]

Hans Anderson - Progress Energy - Florida pilot
Home: [REDACTED]
Mobile: [REDACTED]
Beeper: [REDACTED]

Attachment 22 – Construction & Clearing Contractor Instructions

Listed in this plan are the Construction and Clearing Contractors. The Contractors which the Transmission Department has contract agreements with are indicated with the contract number and expiration dates. These contracts have provisions for payment during emergency and standby situations. Attachment 20 is the contract provisions for Emergency Storm work.

During a major storm, additional contractor work forces may be necessary. Arrangements for acquiring these additional contractors for mobilizing to work area or standby should be made through the Logistics Support Coordinator. However, if the Area Transmission Coordinator (ATC) makes the original contact with contractors located in their maintenance area in order to acquire additional contract workers, then the ATC should give the contractor's home office number and a contact name to the Logistics Support Coordinator. The Project Analyst-Contracts will call the contractor's home office and make agreements for payment (equipment and labor rates inclusive). The Project Analyst-Contracts will then send a copy of the agreement to the Area's administrative assistant to assist them in processing invoices.

Hotel or motel reservations for contract labor will be made and guaranteed by the Area Transmission Coordinator unless the contractor specifies otherwise.

Releasing any contract crews that are on standby requires the approval of the Area Transmission Coordinator and the Transmission System Coordinator (or assistant). The Transmission System Coordinator is to communicate the released contractor information to the Logistics Support Coordinator.

**Attachment 23 – Construction & Clearing, Helicopter & Aerial
Photography Contractors**

Substation Foundation Construction

C and C Powerline, Inc.
12035 Palm Lake Drive
Jacksonville, FL 32218
Office Phone: 904-751-6020

Contact: Jesse Colley [REDACTED]

Fax: 904-757-0964

D.B. Construction, Inc.
4309 Raleigh St.
Tampa, FL 33619
Office Phone: 813-248-6358

Contact: Dave Brown [REDACTED]

Fax: 813-248-5201

Elite Construction
311 N.W. 11th Place
Ocala, FL 34475
Office Phone: 352-861-6500

Contact: Jeff Schoeler, [REDACTED]

Fax: 352-622-5667

Horizon Construction & Development
3115 Providence Road
Lakeland, FL 33805
Office Phone: 863-688-8141

Contact: Jim Kennedy

Fax: 863-687-7200

Mastec North America
5550-A Wilkinson Blvd
Charlotte, NC 28208
Office Phone: 704-393-2250

Contact: Ernest Teague

Fax: 704-383-2535

Newberry Contracting
5010 S. 27th Avenue (Fedex Only)
Tampa, FL 33619
PO Box 6194
Brandon, FL 33508 (US Mail)
Office Phone: 813-247-2877

Contact: April Newberry-Suggs

Fax: 813-248-2882

**Attachment 23 – Construction & Clearing, Helicopter & Aerial
Photography Contractors (cont'd)**

Drilling & Structure Foundation

Coastal Caisson Corporation

12290 U.S. Highway 19
Clearwater, FL 34624
Office Phone: 727-536-4748

Contacts: Jon Wiksten, [REDACTED]

Fax: 727-530-1571

CDK Drill Shafts Corp.

2251 Grand Blvd
Holiday, FL 34690
Office Phone: 727-942-4946

Contact: Richard S. Kettle

Fax: 727-942-4316

Reliable Constructors

22435 S.R. 46
Sorrento, FL 32776
Office Phone: 352-383-3159

Contacts: Joe Hamilton, John Davis

Fax: 352-383-0220

R.W. Harris

12300 - 44th Street North
Clearwater, FL 33762
Office Phone: 727-572-9200

Contact: Michael Dyer

Fax: 727-572-1122

Transmission Overhead Construction

C and C Powerline, Inc.

12035 Palm Lake Drive
Jacksonville, FL 32218
Office Phone: 904-751-6020

Contact: Jesse Colley, [REDACTED]

Fax: 904-757-0964

Coastal Electric Maint & Constr

4244 West Waters Ave
Tampa, FL 33614
Office Phone: 813-243-8040

Contact: Danny Marteli, [REDACTED]

Fax: 813-243-8041

Dillard Smith Construction

26750 CR 33 South (PO Box 317)
Okahumpka, FL 34762
Office Phone: 352-326-2757

Contact: Ernie Smith

Fax: 352-365-1844

Florida State Systems

3949 S.W. 12th Court
Ft. Lauderdale, FL 33312
Office Phone: 954-584-1642

Contact: Mike Katulka

Fax: 954-584-6865

The Fishel Company

17600 State Road 50
Clermont, FL 34711
Office Phone: 407-656-6116

Contact: Vance Mauldin

Fax: 407-654-5844

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**Attachment 23 – Construction & Clearing, Helicopter & Aerial
Photography Contractors (cont'd)**

Gillette Electric Construction, Inc

3325 Central Parkway S.W.
Decatur, AL 35601
Office Phone: 256-351-2452

Contact: Quentin Gillette
Fax: 256-351-2496

Irby Construction Company

1279 Seminola Blvd.
Casselberry, FL 32707
Office Phone: 407-696-4999

Contact: Charlie Roper, [REDACTED]
Fax: 407-696-5999

L.E. Myers

8008 Apopka Blvd
Apopka, FL 32703
Office Phone: 407-398-6640

Contact: Larry Schweitzer, [REDACTED]
Fax 407-398-0104

Mastec North America

5550-A Wilkinson Blvd
Charlotte, NC 28208
Office Phone: 704-393-2250

Contact: Ernest Teague
Fax: 704-383-2535

Cutting/Clearing (Right of Way)

ABC Professional Tree Service

4831 Old Galveston Road
Houston, TX 77017
Office Phone: 713-644-8808

Contact: Rocio Jasso
Fax: 713-644-8812

John DeLaney Resources

7027 Estate Road
Lakeland, FL 33809
Office Phone: 863-853-2128

Contact: John DeLaney, [REDACTED]
Fax: 863-859-9931

Phillips & Jordan, Inc.

8940 Gall Blvd
Zephyrhills, FL 33541
Office Phone: 813-783-1132

Contact: Wendell Durham, [REDACTED]
Fax: 813-783-3140

Asplundh Brush Control Co.

7280 Hazelwood Drive
Citrus Springs, FL 34433
Office Phone: 352-489-6160

Contact: Randy McCulloch, [REDACTED]
Fax: 352-489-6160

Wal-Rose, Inc.

3848 Moores Station Road
Sanford, FL 32773
Office Phone: 407-328-9999

Contact: Joe Gazelka
Fax: 407-328-4229

**Attachment 23 – Construction & Clearing, Helicopter & Aerial
Photography Contractors (cont'd)**

Substation Electrical Construction

C and C Powerline, Inc.
12035 Palm Lake Drive
Jacksonville, FL 32218
Office Phone: 904-751-6020

Contact: Jesse Colley, [REDACTED]

Fax: 904-757-0964

Energy Erectors, Inc.
31588 Progress Road
Leesburg, FL 34748
Office Phone: 352-787-3878

Contact: Todd Dario x111

Fax: 352-787-6407

Mastec North America
5550-A Wilkinson Blvd
Charlotte, NC 28208
Office Phone: 704-393-2250

Contact: Ernest Teague

Fax: 704-393-2535

Reliable Substation Services
2175 South Apopka Boulevard
Apopka, FL 32703
Office Phone: 407-493-8846

Contact: David Boisvert

Fax: 407-297-0802

Terry's Electric, Inc
600 North Thacker Avenue, Suite A
Kissimmee, FL 34741
Office Phone: 407-846-4252

Contact: Richie Brown, [REDACTED]

Fax: 407-572-2183

Attachment 23 – Construction & Clearing, Helicopter & Aerial Photography Contractors (cont'd)

Helicopter Services

Power Lines & Helicopters, Inc. (Construction)

10479 North 158th Street **Contact:** Harry Hansen
Jupiter, FL 33468-8080
Office Phone: 561-743-1498 **Fax:** 561-743-6778

Upstate Helicopters, Inc. (Line inspection)

121-C Venture Blvd **Contact:** Barry Straud
Spartanburg, SC 29306
Office Phone: 864-595-0164 **Fax:** 864-595-1186

Haverfield Corporation (Construction)

104 Sanders Road **Contact:** Bob Burns
Carroll Valley, PA 17320
Office Phone: 717-642-9890 **Fax:** 407-888-2877

AIR2 (Construction)

12515 Southwest 88th Street **Contact:**
Miami, FL 33186
Office Phone: 305-662-2896 **Fax:** 305-662-9133

Aerial Photography Services

Kucera South

2215 South Florida Avenue **Contact:** Larry Towles
Lakeland, FL 33803

Office Phone: 863-686-8640 **Fax:** 863-688-9594

Attachment 24 - Crew Registration Instructions

General Information

The crew registration form, Attachment 25 (Form No. 64023) was developed to:

1. Provide tracking of all crew personnel and equipment in the area.
2. Provide a means for logging out work assignments.
3. Provide a means for documenting any problems or comments that crews feel might be needed for future reference.
4. Provide a method for collecting Fixed Asset Accounting information.

Instructions

Side 1 of the form **must** be completed by the Progress Energy - Florida Supervisor for his assigned crew when they first report to the area headquarters.

1. **Company:** write in the name of the company that the crew works for (example: Progress Energy - Florida, Stackhouse, Howell, etc.). If crew works for Progress Energy - Florida, add the area that it is from (example: Progress Energy - Florida Suncoast Line Crew).
2. **Employee's Full Name:** write in the full name (not nickname) of each member of the crew.
3. **Social Security Number:** fill in the social security number for each crew member.
4. **Progress Energy - Florida Supervisor of Crew:** supervisor should write in his name.
5. **Vehicles/Equipment:** list the types of vehicles and equipment assigned to the crew (for example: wire stringer, marsh master, bucket truck, etc.).
6. **Crew Lodging:** list the name of the place where the crew will be staying.

On Side 2 of the form, the Area Transmission Coordinator will issue the **Date** and **Assignment** for each crew. The Progress Energy - Florida Supervisor, or his designee, will record the structure number where his crew began their day's work assignment (**From Structure**) and will also record the structure number where the crew stopped (**To Structure**). The Progress Energy - Florida Supervisor, or his designee, will record the number (#) of **poles** his crew replaced during the assignment, the % of **insulators** that had to be replaced, and the % of **conductor** that had to be replaced during each day's assignment.

The **Comments/Problems/Follow-up Needed** section will be completed by the crew's supervisor to record any information that may be needed by the Storm Area's maintenance crews after storm work has been completed (example: structures that were repaired using engineering-approved substitutes, any temporary fixes that should be replaced after all storm work has been completed, etc.).

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Work Assignments / Materials Installed

Date_____ Assignment

From _____ To _____ # _____ % _____ %
Structure_____ Structure_____ Poles_____ Insulators_____ Conductor

Date_____ Assignment

From _____ To _____ # _____ % _____ %
Structure_____ Structure_____ Poles_____ Insulators_____ Conductor

Date_____ Assignment

From _____ To _____ # _____ % _____ %
Structure_____ Structure_____ Poles_____ Insulators_____ Conductor

Date_____ Assignment

From _____ To _____ # _____ % _____ %
Structure_____ Structure_____ Poles_____ Insulators_____ Conductor

Date_____ Assignment

From _____ To _____ # _____ % _____ %
Structure_____ Structure_____ Poles_____ Insulators_____ Conductor

Date_____ Assignment

From _____ To _____ # _____ % _____ %
Structure_____ Structure_____ Poles_____ Insulators_____ Conductor

Date_____ Assignment

From _____ To _____ # _____ % _____ %
Structure_____ Structure_____ Poles_____ Insulators_____ Conductor

Comments/Problems/Follow-up Needed

Attachment 26 – Storm Accounting Procedures

Storm plan accounting procedures for the Transmission Department are not effective **until** the Transmission System Coordinator (or Assistant) requests their implementation by Business Operations. These procedures are intended for use when there is severe **and** extensive damage to transmission facilities.

The Financial Analyst for Transmission will communicate the storm charge numbers to Transmission management when activated.

Separate charge numbers will be assigned as needed for **substation work** and **line work**.

Field personnel should contact the Logistics Support Coordinator for the appropriate charge number, if information is not available from Area Transmission Coordinator.

Notify Logistics Support Coordinator and / or Business Operations when work is complete on Storm Plan Project Numbers. Charges against any Storm Plan Project Number will be accepted for a maximum of one year only.

Attachment 27 – Storm Card Procedure

PURPOSE

Storm credit cards are to be used in the event of a category 3 – 4 storm. In the event of a major storm, the storm credit cards are to be used for purchases, cash advances, motel bills, meals, vehicle rental, etc. associated with the restoration of the transmission and/or distribution systems. This will drastically minimize the number of miscellaneous invoices that must be processed by Accounts Payable. Items such as inventory or stock (i.e. transformers, poles, distribution wires, etc.), other capital expenditures that exceed \$1,000, and contract or temporary labor should not be charged to these cards and should go through the normal procurement process. The desired state is for all miscellaneous major storm costs incurred by Energy Delivery to be handled through these credit cards. This will prevent employees from having to use their personal funds for storm purchases, enable employees to purchase what they need in a timely manner, promote cost savings to Progress Energy - Florida, and provide for immediate payment to all vendors.

SYSTEM STORM COORDINATOR

The System Storm Coordinator (or designee) declares a major storm to be a category 3 or 4, implements the Storm Plan, and approves the use of the Storm Credit Cards. The System Storm Coordinator notifies Disbursement Services to activate the appropriate set of storm cards. Disbursement Services will activate the cards and notify the appropriate storm coordination personnel which set has been activated.

STORM CARD OWNERS

All storm credit cards pertaining to the distribution and transmission ends will be issued to those individuals identified and designated as Storm Card Owners. *(See Exhibit A for listing of Progress Energy - Florida Storm Card Owners).*

Storm credit cards will remain in the control of the Storm Card Owners, under lock and key at all times per audit guidelines, until a major storm is declared and the Storm Plan is implemented.

The Storm Card Owner will be responsible for the distribution of the storm credit cards and maintaining a list of the Progress Energy - Florida personnel issued a card. **(An electronic list must be populated and maintained by credit card number and employee name to which the card was assigned. This list is to be forwarded to Business Operations once completed and retained for audit purposes.)**

When the storm restoration is complete, the Storm Card Owners should collect all storm credit cards from the assigned personnel with receipts supporting the use of the card.

Administrative staff from each of the Regions will be responsible for organizing credit card receipts by credit card number, reconciling the receipts back to the monthly credit card statement, and forwarding all statements and receipts to the respective Business Operations Analyst. Once the statements and related receipts reach Business Operations, each statement is verified as correct by the Business Operations Analyst, who should write "VERIFIED", sign, date, and file the statement, and submit to accounts payable for payment. All receipts and credit card statements must be retained for audit purposes by Business Operations and filed for permanent record retention. The severity and financial treatment of the storm will determine the length of time that the statements and receipts must be retained.

Once the storm credit cards are accounted for and de-activated for the current storm, they can be re-activated and re-used for the next storm. If any storm credit cards are not returned, the unaccounted for cards must be cancelled immediately and a new card issued. This effort should be coordinated through Business Operations.

Attachment 27 – Storm Card Procedure (cont'd)

STORM CARD RECIPIENTS

Storm Credit Cards are region and storm specific. If the employee is sent to work in a region other than where he/she is employed, he/she should receive a storm credit card from the region where the restoration work is being performed. (If a storm credit card is initiated in one region and used in another region, the charge code assigned to the credit card must be changed. Notify the Storm Card Owner (or designee) should this occur.)

Persons receiving a storm card will be **personally responsible** for the card and its use. If the card is lost or stolen, contact the Storm Card Owner **immediately** so the card can be canceled.

A storm credit card **may not** be loaned or transferred to any other person unless coordinated through the Storm Card Owner.

Receipts for ALL charges made to a storm credit card must be kept and organized by credit card number. ALL receipts must be forwarded to the Storm Card Owner for verification back to the credit card statement and payment authorization.

If a vendor will not accept a credit card, the cardholder should withdraw cash from an automated teller machine, pay the vendor in cash, and obtain a receipt supporting the cash withdrawal **and cash payment**. The completion of a Storm Plan Expense Account Form will also be required for all cash transactions. (See Exhibit B). If a cardholder withdraws more cash than was needed, he/she must attach a personal check made payable to Progress Energy - Florida for the difference indicated on the Storm Plan Expense Account Form. Any reimbursement for other expenses using personal funds will be in accordance with the current expense account guidelines.

When the storm restoration is determined to be complete by the System Storm Coordinator, the storm credit card should be returned to Storm Card Owner within two days. All receipts for charge purchases, cash withdrawals and cash purchases, and a completed Storm Plan Expense Account Form for any cash withdrawals **must** accompany the Storm Card. The Storm Card Owner will forward all receipts to his or her Administrators to reconcile and then forward all supporting documents to Business Operations for final review. If an employee receives a storm credit card from a region or area other than where he/she is employed, the storm credit card along with related receipts and Storm Plan Expense Account Form **must** be returned to the appropriate Storm Card Owner before leaving the region. If the cardholder withdrew more cash than was needed, he/she must attach a personal check for the difference indicated on the Storm Plan Expense Account Form. The check for the difference indicated on the form must be made payable to Progress Energy - Florida. The Expense Account Form **must** be turned in the same time the Storm Card and all storm related receipts are turned in.

USE OF PERSONAL FUNDS

If the cardholder used his or her own personal funds, the Storm Plan Expense Account Form must indicate the amount of reimbursement due to the employee and receipts must accompany the expense account request. The Storm Card Owners should review the Storm Plan Expense Account Form along with all supporting documents to verify that all purchase were storm related. Once the Storm Card Owners completes their review, they should approve the Storm Plan Expense Account Form and forward all supporting documents to Business Operations for final review.

Attachment 28 – Storm Plan Expense Account Form (Example):

Storm Plan Expense Account Form (Example):

Name of Hurricane: Mitch

Prepared By: *Pete Smith*

Credit Card Number: 123456789

Date Prepared: 06/01/01

Employee Name: Pete Smith

<u>Date</u>	<u>Description of Expense</u>	<u>Expense Amount</u>	<u>Withdrawal Amount</u>	<u>Balance Due Company(+)/ Employee (-) *</u>
05/25/2001	1 ATM Withdrawal		\$100.00	
05/25/2001	1 Waders for Bill Rogers	\$41.44		
05/25/2001	1 Meal for Orlando Construction Crew	\$49.95		
	Total	\$91.39	\$100.00	\$8.61

If Balance Due Company, write check to Progress Energy - Florida for amount. Forward check and Storm Expense Form to Storm Card Owner.
 If Balance Due Employee, fill out Expense Account form only for expenses that are owed to employee and forward approved original with receipts to Payroll.

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Attachment 29 – Progress Energy - Florida Transmission Storm Card Distribution

Location	Owner	Major Storm Cards (non-logistics)
South Central	Rodney Hutcherson	15
North Central	Donald Broadhurst	15
Suncoast	Rick A. Brown	15
Northern Florida	Hugh Irwin	15
Storm Center	Ray DeSouza	5
Logistics Center	Sharon Arroyo	5
Construction	Rick Bagley	7

PEF-SR-00063

Attachment 30 – Storm Voucher Form

Transmission Department Voucher Form

General Information

Because of the sheer number of invoices received during a major storm, it is often difficult to distinguish charges that are incurred for Transmission Department work. The Transmission Department Voucher Form (Form No. 64024) was developed to help track department expenses and to ensure that all appropriate vendors are properly reimbursed. This form should be used by Progress Energy - Florida employees and not by contractors.

This form does not cover purchases made by employees that are paid for out-of-pocket and which should be reimbursed through expense account forms. Each Maintenance Area should establish procedures for processing voucher forms (i.e., whether completed forms should be given to the vendor to attach to their invoice or billing statement, or whether completed forms should be turned in to the Technical Aide 1).

Instructions

When charging items such as tools, batteries, ice, etc., the employee needs to complete the following:

- City: Fill in the city where the purchase was made.
- Date: Fill in the date of the purchase.
- Name of Business: Fill in the name of the business where the purchase was made.
- Check **Other** and record what was purchased on the line below Other.
- Record the **Amount** of the purchase.
- Sign on the line marked **Progress Energy - Florida Supervisor/Employee**.

When charging meals, the supervisor of the crew, or his designee, should complete one form to cover the entire crew. The following items need to be completed:

- City: Fill in the city where meal was purchased.
- Date: Fill in the date of the meal.
- Name of Business: Fill in the name of the restaurant.
- Check **Meals** and the appropriate box indicating which meal.
- Fill in the **Number of employees** included on the ticket.
- Record the total **Amount** for all attending crew members' meals.
- Sign on the line marked **Progress Energy - Florida Supervisor/Employee**.

Crew members or supervisors who do not dine with the crew are responsible for completing this form for themselves.

Progress Energy - Florida
(For use by Progress Energy - Florida employees during emergencies)

City _____ Date _____

Make sure Progress Energy - Florida employee has signed this voucher.

Name of Business _____

Staple voucher to invoice.

___ Meals:

___ Breakfast ___ Dinner ___ Supper

of employees on ticket: _____

___ Other: _____

Amount \$ _____

Progress Energy - Florida Supervisor/
Employee: _____

FRONT OF FORM

BACK OF FORM

Transmission Department Voucher Form

Attachment 31 – Insurance Coverages for Substation and T&D Lines

Substations including transmission and distribution equipment within 1000 feet of insured location:

\$1 Billion Limit of Liability (Flood - \$50 Million in Zone A)

\$2,500,000 Deductible

There is no coverage for T&D lines and equipment over 1000 feet from the insured location.

There is also \$2 million coverage for Decontamination Expense required by ordinance.

Attachment 32 – Safety & Environmental Contacts

Safety:

Transmission Safety Rep:

Ken Baker Bell: 863-678-4488
 Vnet: 280-3488
 Cell: [REDACTED]
 Pager: [REDACTED]
 Home: [REDACTED]

Manager - Progress Energy - Florida Health & Safety:

Rich Mesker Bell: 352-563-4550
 Vnet: 240-4550
 Cell: [REDACTED]
 Pager: [REDACTED]

Environmental:

Environmental Supervisor:

Kent Hedrick Bell: 727-826-4283
 Vnet: 230-4283
 Cell: [REDACTED]

Coastal Regions:

Pat Tilson Bell: 727-519-2459
 Vnet: 220-2459
 Cell: [REDACTED]

North Central:

Betty Carter Bell: 407-646-8537
 Vnet: 237-5537
 Cell: [REDACTED]

South Central:

Chris Gillman Bell: 407-938-6652
 Vnet: 280 6652
 Cell: [REDACTED]

Environmental Services Section (ESS) Storm Operations Center

Location: Florida

Location: Florida
Operations center: Bayboro Station
Phone: (727) 826-4320

Environmental Web page: <\\S00225\Shared\Env Web\index.html>

Attachment 33 - Storm Planning Checklist and Good Practices

- Make sure when hotting a station up that Feeders are **all** open and on manual.
- Be aware of public anger because of lights out after a number of days.
- Lock gates where possible to protect public safety and Progress Energy - Florida safety.
- Ensure EMC's have been contacted before POD's are energized.
- Field personnel should monitor switching by radio.
- Prepare switching/sectionalizing information and resource assignment packages in advance of major storms.
- No contractor shall be released from a job until the assigned Progress Energy - Florida lead person communicates to the Storm Center or Logistics Center that all work is complete.
- Spend time to brief/debrief during shift change. Good transition between shifts is necessary for coordinating restoration.
- Use local tree crews to assist in line patrols when applicable.
- Have job and work plans prior to when Progress Energy - Florida and Contract crews arrive on site. Discuss appropriate job plans with affected crew and assigned Progress Energy - Florida Resource lead. Discuss Progress Energy - Florida safety rules and expectations.
- Ensure all doors, hatches, lids, etc. are secured in all facilities.
- Verify proper operations of all emergency circuits and lights prior to storm.
- Make use of all personnel in some form or fashion (answering telephones, obtaining and delivering food, etc.).
- Ensure personnel assigned to help distribution understand the dangers unique to distribution work including backfeed dangers.
- Follow all applicable safety rules and work practices when performing work. Do not take short cuts.

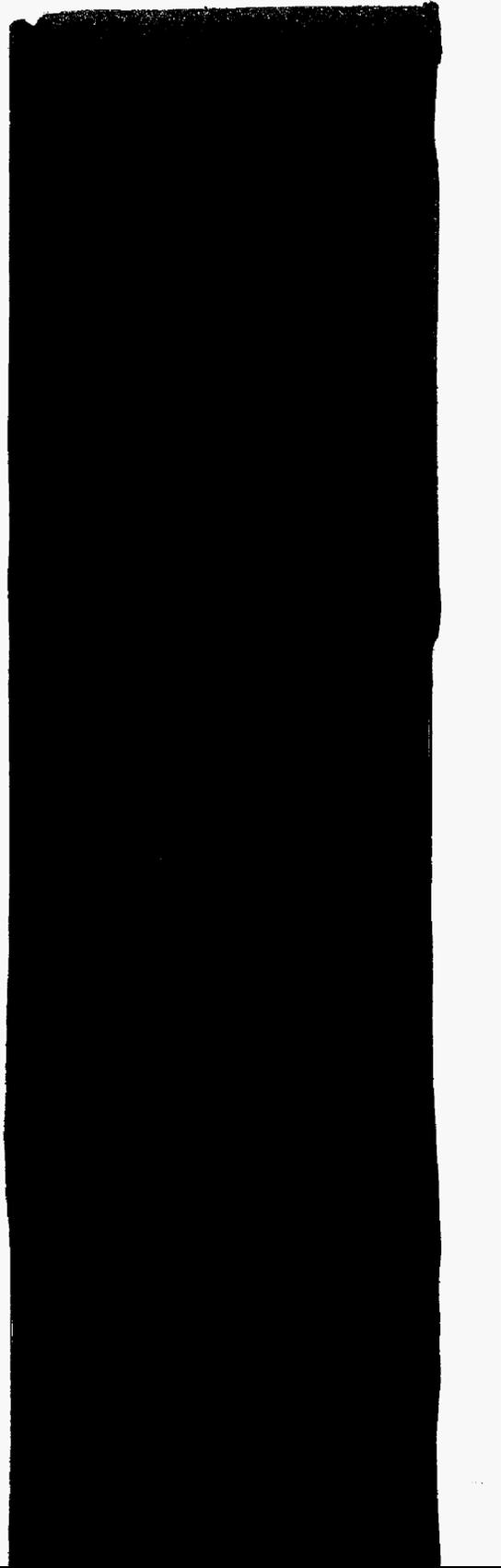
Attachment 34 - Critical Transmission Lines

n Lines:

Critical Transmissio

A large, solid black rectangular redaction covers the majority of the page's content, obscuring all text and data that would otherwise be present in the table or list.

Attachment 34 - Critical Transmission Lines (cont'd)



[REDACTED]

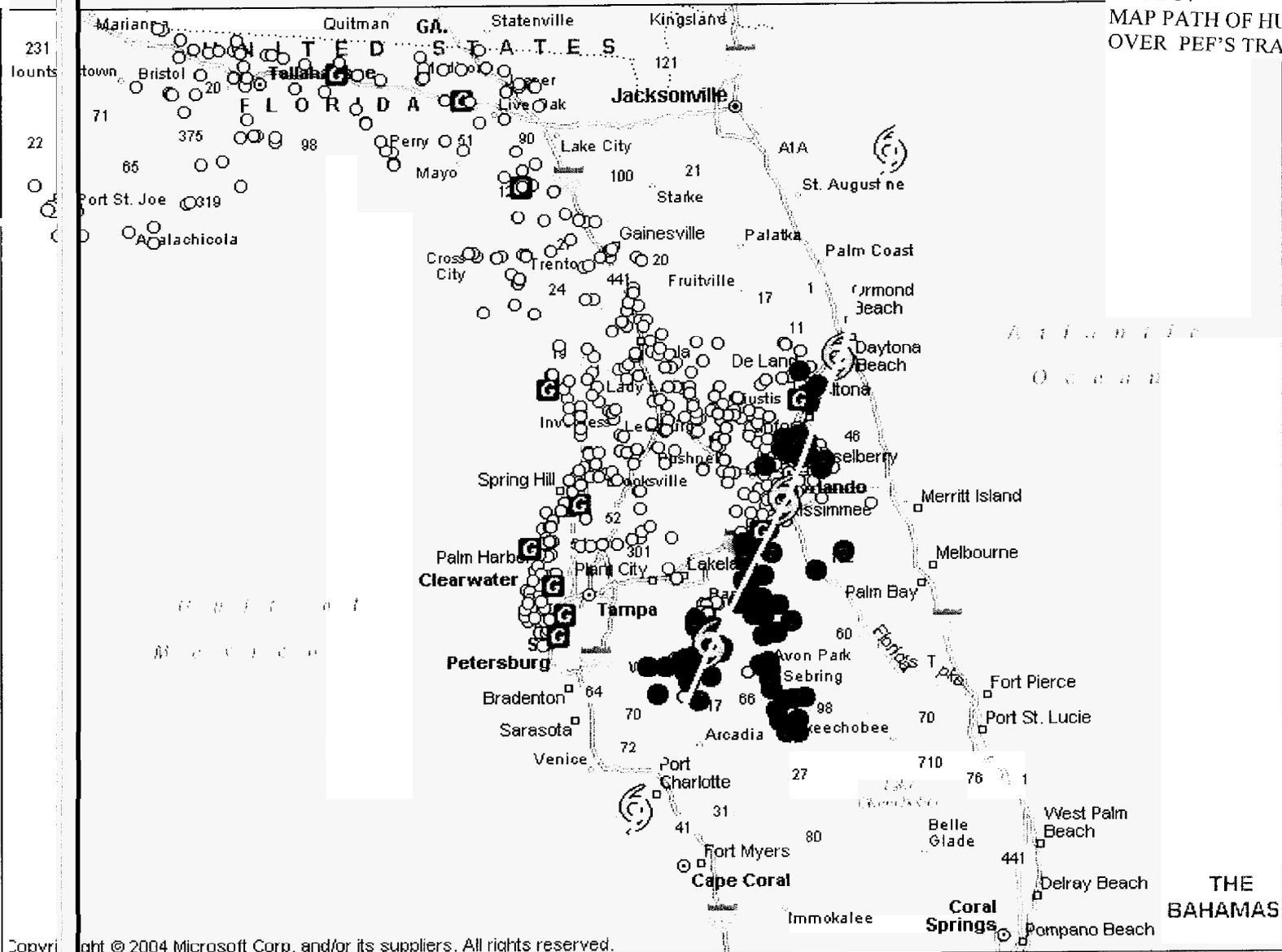
Attachment 36 – Nuclear Plant Siren Restoration Plan (cont'd)

[REDACTED]			
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

Attachment 37 – Authorized Helicopter Requester List

The following people / positions within the Transmission Department are authorized to request emergency helicopter service:

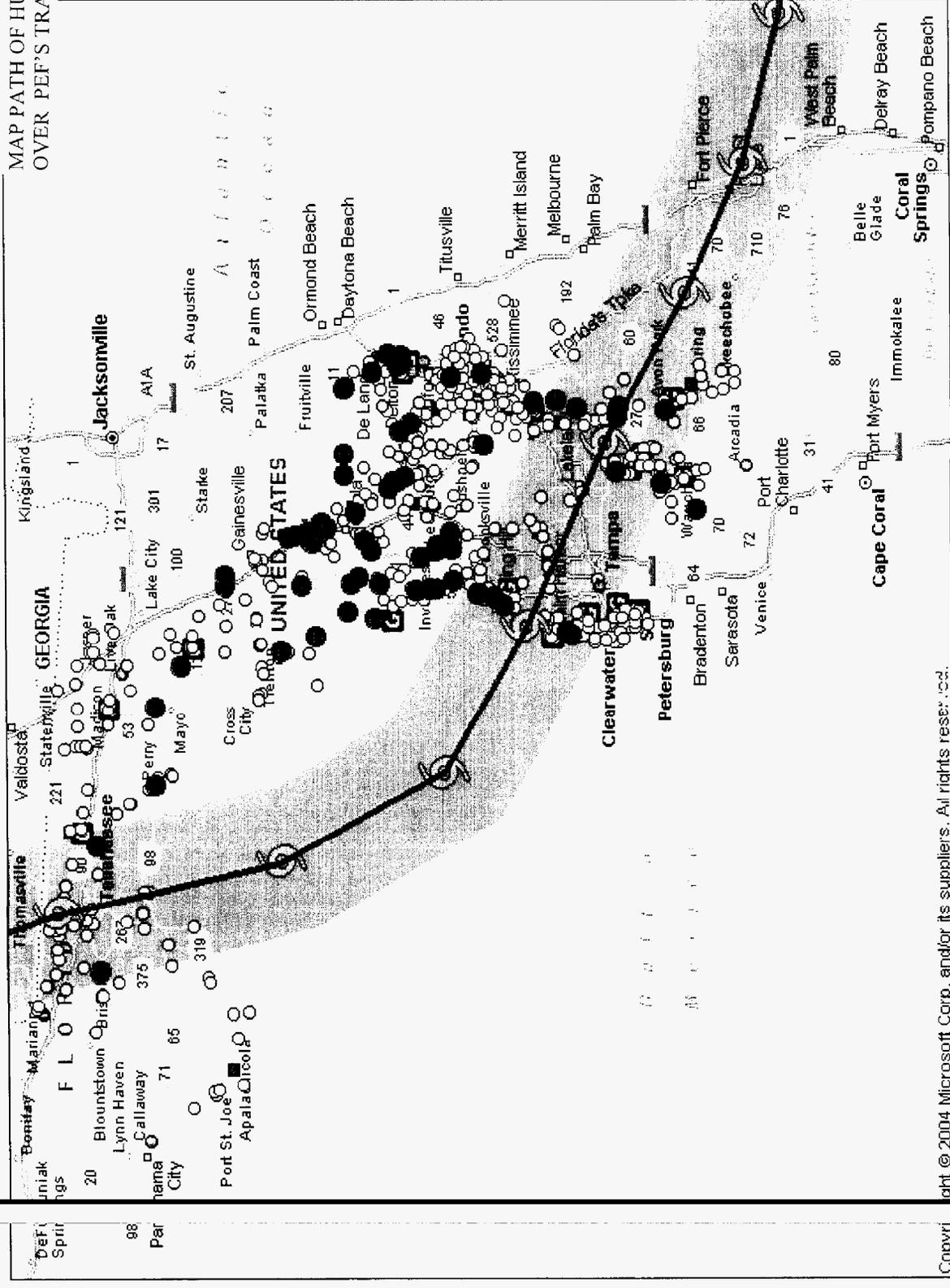
- All members of Transmission supervision / management involved in restoration activities
- Transmission Area Project Engineers (staff engineers)
- Terry Whitecar
- Larry Lucht
- Any individual who has received explicit verbal or written permission from the Transmission System Coordinator (TSC) or Assistant Transmission System Coordinator (ATSC) to request emergency helicopter service



Map Illustrating Substations Impacted by Hurricane Charley

- Stations Impacted
- PEF Substations
- Customer Stations

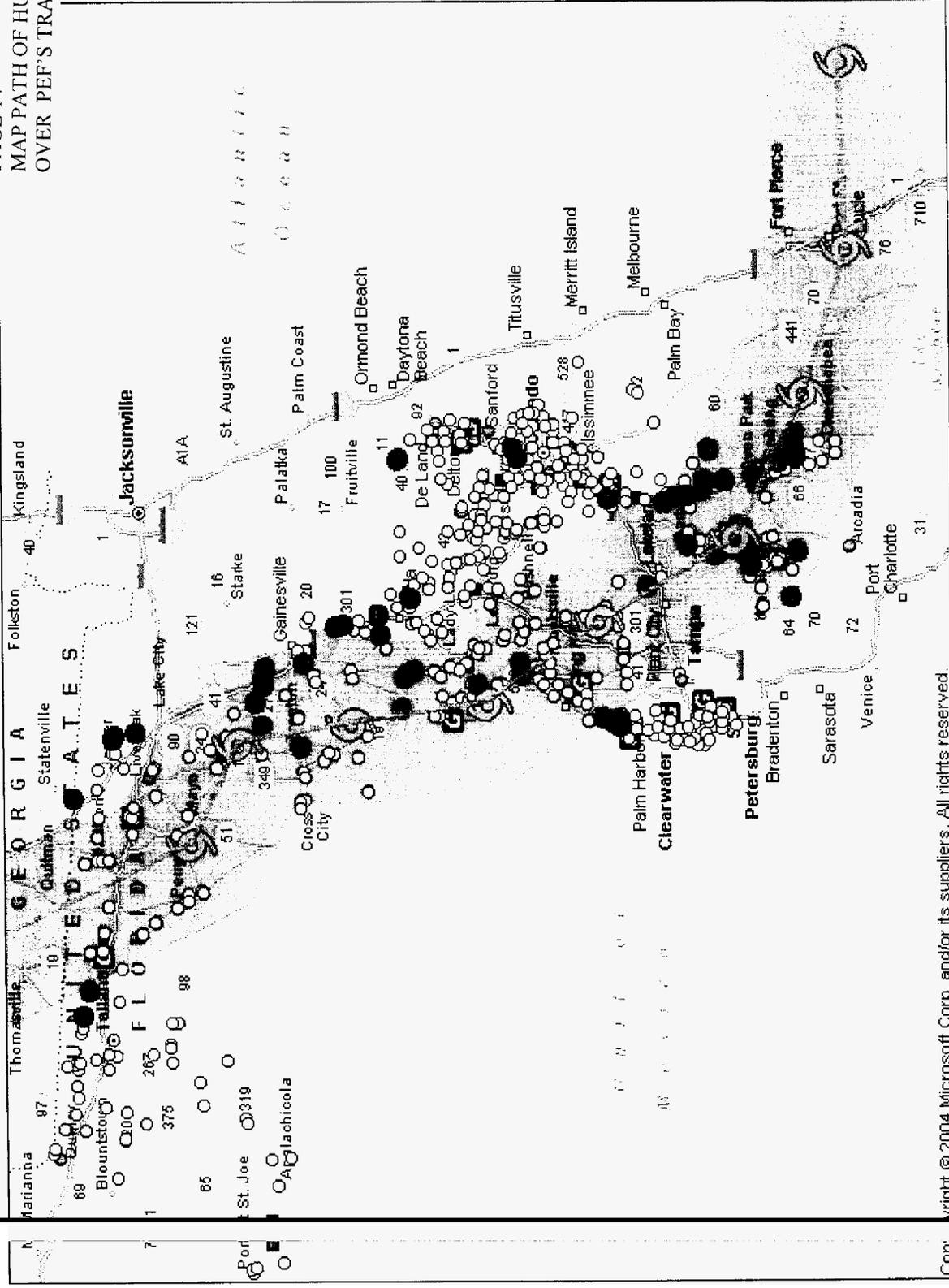
MAP PATH OF HURRICANE FRANCES
OVER PEF'S TRANSMISSION SYSTEM



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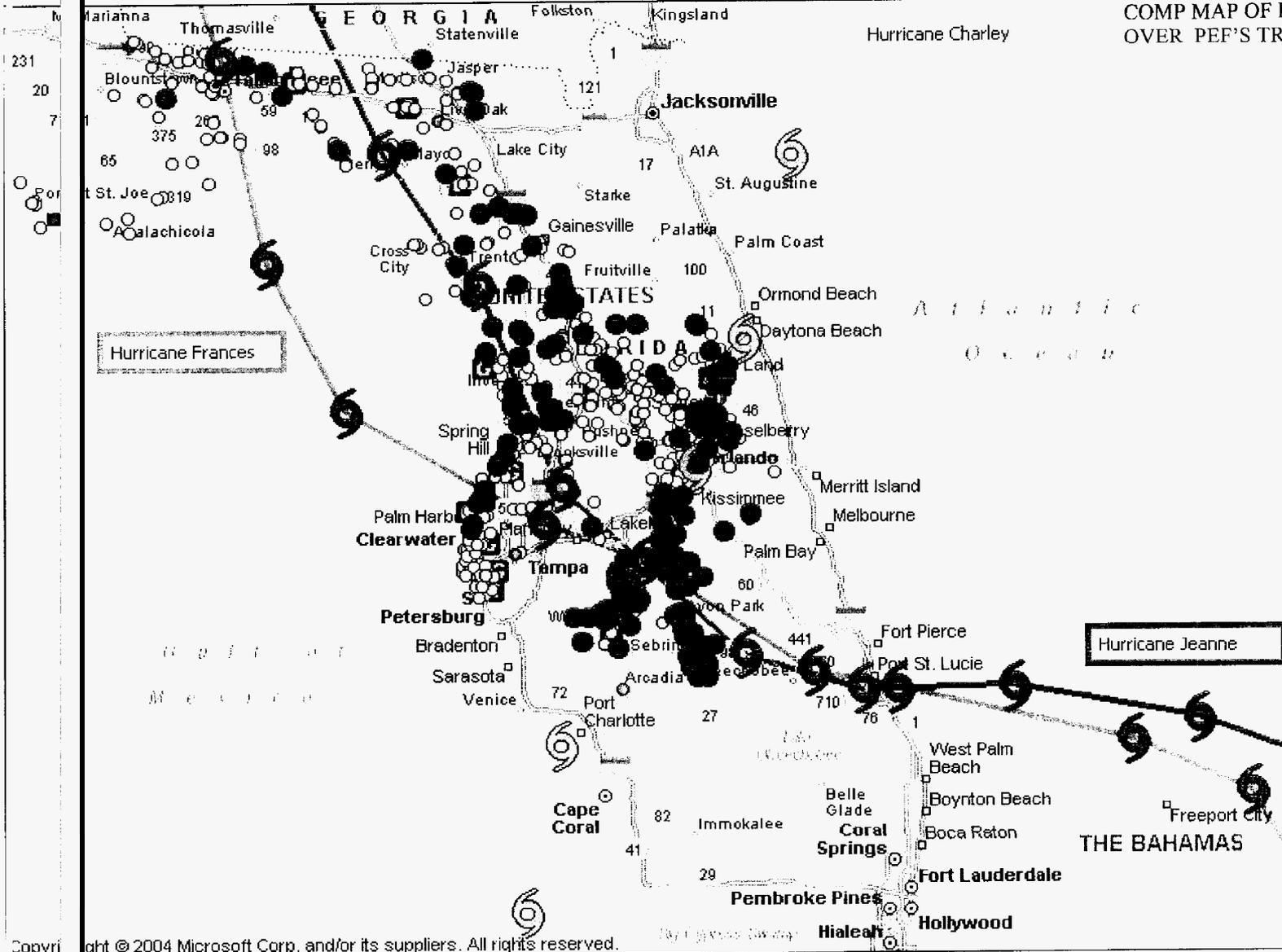
Map Illustrating Substations Impacted by Hurricane Frances

● Stations Impacted ○ PEF Substations ○ Customer Stations



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Map Illustrating Substations Impacted by Hurricane Jeanne
 ● Stations Impacted ○ PEF Substations ○ Customer Stations



Hurricane Tracks for Storms impacting PEF service territory

DOCKET NO. 041272
WITNESS: SARAH S. ROGERS
EXHIBIT _____ (SSR-7)
PAGE 23
COMPOSITE EXHIBIT OF PICTURES
OF TRANSMISSION STORM DAMAGE

13 3 32 PM

