

INDEX

<u>TOPIC</u>	<u>PAGE</u>
<u>FECA STORM PLAN - Tab 1</u>	
Purpose	2
FECA Contact Information	3
Action Plan for Securing Help	4-6
Prior to a disaster	4-5
After the disaster strikes	5-6
After service is restored	6
Requesting Assistance Format	7
Providing Assistance Format	8
Suggestions for Requesting Mutual Aid Assistance	9-11
Suggestions for Sending Help to Other Co-ops	12-13
Suggestions for Dealing with Disasters	14-17
News Releases	see www.cooperative.com
Mutual Aid Agreement	18
<u>LIST OF CONTRACTORS - Tab 2</u>	19-27
<u>MEMBER SYSTEM INFORMATION SHEETS - Tab 3</u>	
Central Florida Electric Cooperative	28-35
CHELCO	36-40
Clay Electric Cooperative	41-55
Escambia River Electric Cooperative	56-59
Florida Keys Electric Cooperative	60-63
Glades Electric Cooperative	64-73
Gulf Coast Electric Cooperative	74-78
Okefenoke Rural Electric Membership Cooperative	79-82
Peace River Electric Cooperative	83-86
Sumter Electric Cooperative	87-91
Suwannee Valley Electric Cooperative	92-96
Talquin Electric Cooperative	97-101
Tri-County Electric Cooperative	102-105
West Florida Electric Cooperative	106-114
Withlacoochee River Electric Cooperative	115-119
PowerSouth	120-123
Seminole Electric Cooperative	124-126

PURPOSE

1. The Florida Electric Cooperatives Association (FECA) is available to procure manpower and equipment for any member that needs assistance from another cooperative. This manual provides a standard operating procedure for members to request assistance through FECA. This manual supplements each member cooperative's individual plan and is not in any way intended to replace or supercede the member's plan.
2. Generally, FECA will only be called upon when assistance is needed by, or from, more than one Florida cooperative or from cooperatives in other states. Nothing in this plan prevents a Florida co-op from requesting assistance directly from a neighboring co-op to assist with an isolated storm. However, when more than one co-op requires assistance, it will be advantageous for FECA to coordinate the assistance from other co-ops and statewides, and all such assistance should be coordinated through FECA and the other statewides.

FECA CONTACT INFORMATION

FECA Office 850.877.6166(fax 850.656.5485)

General Manager

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e-mail fecabill@embarqmail.com

Alternate Contacts

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Home Telephone 850.877.8995
e-mail feca@embarqmail.com

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Home Telephone 850.668.3473
Cellular 850.510.1693
e-mail mhershel@embarqmail.com

Mike Bjorklund

Office Telephone 850.877.6166, ext. 2
Cellular 850.305.5357
e-mail mbjorklund@embarqmail.com

Other important numbers

FEMA (www.fema.gov) 800.621.FEMA (3362)

Florida Division of Emergency Management 850.413.9900

State Emergency Operations Center (electric, ESF-12) 850.921.0165

Outage information by county can be emailed to
Outagenumbers@embarqmail.com

ACTION PLAN FOR SECURING HELP

PRIOR TO A DISASTER

1. Make sure that the contact and system information for your co-op is up to date in FECA's Emergency Work Plan Manual.
2. FECA staff will monitor storms, but it is up to the member co-op to notify FECA that assistance may be needed in the near future.
3. As soon as it becomes apparent that a member may require assistance from other co-ops, notify FECA of the following (see Requesting Assistance Format for requesting via e-mail in a spreadsheet):
 - a. An estimate of the number and type of personnel and equipment that FECA should try to procure;
 - b. An estimate of the date and time you want them to arrive;
 - c. The location they should report to;
 - d. A rough estimate as to how long help may be needed.
4. Once FECA has been notified that assistance may be required, FECA will contact the other Florida co-ops and other statewide associations regarding their potential needs and their ability to assist.
5. If more than one member co-op requests assistance prior to the storm, FECA will initiate a conference call with the requesting member systems to discuss pre-storm commitments and possible coalitions for crews, tent cities, and other needs.
6. FECA will initiate a conference call with the other statewide organizations to discuss mutual aid.
7. FECA will arrange for pre-disaster assistance from co-ops on the NRECA/FEMA Mutual Aid List (available on cooperative.com) and will attempt to form coalitions with members to jointly procure crews and secure items from vendors such as portable housing, caterers, cranes, etc. The requesting co-op understands that help arranged prior to the storm will need to be obtained from co-ops that believe they are not in the storm's projected path. FECA will provide a copy of the co-op specific information for the requesting co-op that is in FECA's emergency work plan manual to the assisting co-ops.
8. If the total number of personnel requested to be staged prior to the event cannot be obtained at that time, the available personnel will be rationed among those requesting assistance.
9. FECA will work with the members and those providing assistance to

establish safe areas to stage the personnel and equipment until the storm subsides.

10. The requesting co-op must prepare to house, feed, and generally take care of the assisting personnel.
11. Assistance from vendors and any utilities that are not parties to the NRECA/FEMA Mutual Aid agreement must be pursued by the member co-op, through a competitive bidding process as required by FEMA. FECA can assist if necessary.

AFTER THE DISASTER STRIKES

1. Perform an initial damage assessment. Use of an airplane or helicopter to patrol the system is a quick way to assess widespread damage.
2. Once the damage has been assessed, notify FECA of the following (see Requesting Assistance Format for providing via e-mail in a spreadsheet):
 - a. The number and type of personnel, equipment, and materials that FECA should procure for the member;
 - b. The location the personnel should report to;
 - c. Weather and road conditions;
 - d. A rough estimate as to how long help may be needed;
 - e. The approximate number of meters that are out in each county, which can be emailed to Outagenumbers@embarqmail.com.
3. FECA will contact the other Florida co-ops and other statewide associations to obtain the requested assistance from co-ops and municipalities that are on the NRECA/FEMA Mutual Aid List. FECA will provide a copy of the co-op specific information for the requesting co-op that is in FECA's emergency work plan manual to the assisting co-ops.
4. If the number of personnel requested by all of the co-ops that need assistance cannot be obtained, the personnel will be rationed among those requesting assistance.
5. The host co-op must be prepared to house, feed, and generally take care of the assisting personnel when they arrive.
6. Assistance from vendors and any utilities that are not parties to the NRECA/FEMA Mutual Aid agreement must be pursued by the member co-op, through a competitive bidding process as required by FEMA. FECA can assist if necessary.
7. As soon as possible, the co-op shall report outage numbers (which can be emailed to Outagenumbers@embarqmail.com) and anticipated

restoration dates to FECA by county, which FECA will aggregate and report to the Florida EOC in Tallahassee.

8. The assisting crews may be called home at any time by their co-op's management. In addition, their management may elect to rotate the crew personnel as they deem necessary. FECA is available to assist with the rotation, and in any event should be notified that crews will be rotated.
9. FECA will be available 24/7 to work with the State EOC in the event that a member co-op needs assistance at the State EOC level.

AFTER SERVICE IS RESTORED

1. As soon as the emergency repairs have been made, FECA shall be notified when the member system will be releasing the assisting crews and FECA will determine whether those crews can be sent to another co-op that needs help. In addition, FECA should be notified before contractors are released in the event that another co-op may need to hire the contractors.
2. Any vendors that performed unsatisfactorily should be reported to FECA and shall be reconsidered for FECA's list of contractors. Also, please notify FECA of any vendors that can be added to the list of contractors.

REQUESTING ASSISTANCE FORMAT

Co-op Requesting Assistance: _____

Co-op Contact Information

Name: _____

Direct phone(s): _____

Email: _____ Fax: _____

Highest Gloving Voltage _____

The Number of Each Type of Crew:(see definitions on pages 8-9)

Heavy Construction _____ Construction _____

Digger/Derrick _____ Construction Bucket _____

Service Bucket _____ Service _____

Underground _____ Right-of-way _____

OTHER EQUIPMENT AND TOOLS: _____

THE NUMBER OF OTHER PERSONNEL NEEDED:

Mechanic _____	Staking Engineer _____
Substation _____	Meterperson _____
Supervisor _____	Warehouse Manager _____
Dispatcher _____	Warehouse Helper _____
Public Relations _____	Equipment operator _____
Clerical _____	Other _____

Critical materials needed _____

Estimate of how long help may be needed _____

Work and weather conditions _____

Road conditions _____

Where to Report _____

Whether cots and bedding are required _____

PROVIDING ASSISTANCE FORMAT

Co-op Providing Assistance: _____

Contact at Co-op:

Name: _____

Direct phone(s): _____

Email: _____ Fax: _____

Co-op Address: _____

Workers Comp Carrier: _____

Will use radio channel _____

Crew 1

Type of Crew: _____

Ranking Person on crew: _____

Highest Gloving Voltage _____

Employee Name	Job Class	Cell Phone	Vehicle Types	Vehicle Numbers	Emergency Contact	Emergency Phone #

Estimated departure time/date: _____

SUGGESTIONS FOR REQUESTING MUTUAL AID ASSISTANCE

When disaster strikes your system, FECA and other co-ops will help as you see fit. The following are some observations made from past experiences with mutual aid.

WHEN REQUESTING ASSISTANCE

1. Whenever possible, the co-op should arrange for contract crews and other vendors prior to a storm through a competitive bidding process as required by FEMA. FECA stands ready to request crews and other personnel from co-ops and municipalities that are on the NRECA/FEMA Mutual Aid List.
2. When requesting mutual aid, the following is a general composition of crews:
 - a. Heavy Construction - A working foreman and four to seven other people, at least three of which are journeyman linemen, two 55-60 foot bucket trucks, two digger derricks, one pickup truck, two pole trailers and one wire stringing rig with stringing pulleys and stringing tools. Crew should come complete with digging tools, large wire tools, sleeves, splices, chain saws, trouble lights and other associated tools and equipment. Four wheel drive vehicles should be specified if needed.
 - b. Construction - Usually a foreman and two to five other people, at least two of which are journeyman linemen. The vehicles will usually include a construction bucket, a digger/derrick complete with digging tools, a pole trailer, line tools, sleeves, splices, chain saws, ladders, trouble lights and other associated tools and equipment.
 - c. Digger/Derrick - Usually a three man crew with at least one journeyman lineman and either another lineman or apprentice or groundman. A digger/derrick with hole digging and pole setting capabilities, and a pole trailer will usually be included.
 - d. Construction Bucket - Usually a journeyman lineman and one or two helpers. If a three man crew, at least one helper will be a lineman or apprentice. The bucket will be bigger than a service bucket with a reach of up to 55 feet and some material handling capability.

- e. Service Bucket - A service crew except with a bucket truck with a reach of approximately 35 feet that probably does not have any material handling capability.
 - f. Service - two people, at least one of which is a journeyman lineman; service vehicle equipped with line tools, ladder, sleeves, splices, chain saws, trouble lights and other associated tools and equipment.
 - g. Underground - A foreman and two to four other people, at least one of which is a journeyman. This crew is expected to be equipped with a trencher and backhoe or a trencher/backhoe combination also equipped with digging tools, line tools, sleeves, splices, chain saws, ladders, trouble lights, locating equipment, spiking tools and other associated tools and equipment.
 - h. Right of Way - A foreman and two to four other people with buckets, chippers, dump truck and various clearing equipment.
 - i. Mechanic - Mechanic and equipped service truck.
 - j. Clerical Support - cashiers, receptionists, and secretaries to relieve regular office personnel.
 - k. Other - phone representatives (specify if knowledge of a specific foreign language would be helpful), accounting, government/media liaison.
 - l. Warehouseman Manager - A person competent in the workings of a warehouse and the materials in it. A commercial drivers license is beneficial.
 - m. Warehouseman Helper - A person familiar with the materials in a warehouse. A commercial drivers license is beneficial.
3. The host co-op must make arrangements for lodging and feeding outside help.
 4. Truck and equipment service may be a problem since service stations and garages may be damaged or without power. The host co-op should make arrangements to provide fuel, mechanical services, and tire repair on a 24-hour basis.

5. Maintain a list of names of who is working with whom and where - and their radio call letters and cell phone numbers.
6. It is recommended that each co-op maintain a private, unlisted, phone number and that FECA be informed of this number and maintain the secrecy of the number so that coordinating personnel can reach the co-op during the emergency.

WHEN THE HELP ARRIVES

1. The host co-op shall:
 - a. Notify the assisting crew about:
 - i. Complying with safety procedures
 - ii. Any special or unusual circumstances on your system
 - iii. Food and lodging and how to handle expenses
 - iv. Where to get fuel, get equipment serviced, and how to handle any invoices
 - v. The length of time they will be expected to work and the length of rest periods
 - vi. Persons that are in charge of operations and dispatching
 - b. Verify that the visiting crew's safety equipment is adequate for the conditions and voltages (i.e., verify ratings for gloves and grounds);
 - c. Secure agreement from arriving crews that safety practices are understood and will be complied with; and
 - d. Provide system and road maps.
2. The host co-op should consider conducting morning meetings to brief the crews on restoration efforts and to discuss safety and operational issues.

SUGGESTIONS FOR SENDING HELP TO OTHER CO-OPS

1. When sending assistance to another co-op make sure your personnel has:
 - a. Contact names and numbers of the requesting co-op;
 - b. Contact names and numbers for their home co-op and a means to call, possibly including cell phones and satellite phones;
 - c. Directions, including information on road conditions and closures;
 - d. Sufficient cash and possibly a company credit card. In the event your crews run short of cash, arrangements should be made with the host co-op manager or his representative for additional funds;
 - e. An estimate of the amount of time they are expected to stay at the requesting co-op;
 - f. Enough food and water for the first few days;
 - g. Sun screen;
 - h. Bug spray;
 - i. Bedding;
 - j. Equipment for night work;
 - i. Extra lights
 - ii. Flash lights with extra batteries
 - iii. Reflective vests
 - iv. Reflective cones
 - k. Foul weather gear;
 - l. Chain saws and chain saw chaps;
 - m. Shots for personnel, such as tetanus;
 - n. Extra gloves - both leather and rubber;
 - o. Extra safety glasses; and
 - p. Extra grounds.
2. When sending several crews, it is suggested that you send a supervisor to coordinate the activities of your crews, handle petty cash, and perform other managerial duties.
3. When sending several crews you should also consider sending a mechanic with an equipped mechanic's truck.
4. Provide the relevant crew intake information to FECA, if at all possible, in an Excel spreadsheet in the Providing Assistance Format. FECA will forward all information provided by the assisting co-op to the statewide association that is requesting help.
5. Assisting crews may be called home at any time by their co-op's management. In addition, the assisting co-op may elect to rotate their crew personnel as they deem necessary. These crew rotations should be

coordinated with FECA, and FECA will coordinate with the statewide association of the co-op you are assisting.

6. If you charge for vehicles pursuant to FEMA's rates, verify the rates by checking FEMA's web page at <http://www.fema.gov/government/grant/pa/eqrates.shtm>.

SUGGESTIONS FOR DEALING WITH DISASTERS

1. Long before the emergency
 - a. Establish relationships with local EOCs.
 - b. Coordinate with other emergency responders (i.e., consider feeding and housing local law enforcement and other officials in return for security, fuel allocations, etc.).
 - c. Establish backup Communications:
 - i. Coordinate with local land line and cell providers to establish the coop as a priority customer
 - ii. Establish alternative communication options
 - (1) Buy satellite internet and phones
 - (2) Identify a contractor that can provide a mobile system on short notice - see FECA's Vendor List
 - (3) Use at least 2 cell phone providers as one service may be more severely impacted
 - (4) Consider buying or leasing extra radio handsets for your employees and outside help
 - d. Make sure that management has authority to spend enough to get the job done - more than \$3 million per day is a possibility:
 - i. Establish a procedure for the Board, an executive committee, or an ad hoc committee, to meet on short notice (possibly telephonically) to make quick decisions
 - e. Establish rates and terms through a competitive bidding process that will accommodate FEMA for contractors and vendors that you might need in an emergency:
 - i. Identify alternative fuel distributors for backup purposes or alternative fueling sites
 - ii. Identify mobile fuel vendors that can fuel the trucks at night
 - iii. Include a fence contractor for damaged substation fences and to secure staging areas for crews, vehicles, and materials
 - f. Make sure that every employee understands their role in a disaster through simulations - simply having a plan is not sufficient:
 - i. Consider bringing in a disaster expert to address your employees
 - g. Identify one or more sites for setting up a tent city - each site requires a minimum of 10-15 acres:
 - i. Once sites are selected consider drilling a well and possibly building permanent showers and bathrooms to avoid rental costs, obtaining emergency water permits, and hauling water and wastewater
 - (1) Consider building a community recreational facility (i.e., soccer fields) that can be used for a tent city in an

- emergency
 - ii. Site should be level, accessible to trucks, and preferably paved
 - iii. Showerhead ratio should be at no more than 15:1
 - h. Consider scheduling more contractors for routine maintenance during hurricane season so you already have them on the property.
 - i. Install and maintain emergency generation for co-op's offices - computers and phone equipment often require air-conditioning.
 - j. Develop a contingency plan for off site billing.
 - k. Consider buying emergency generators for substations and key accounts - including accounts that you need service from such as fuel distributors.
 - l. Periodically review and update list of priority customers.
 - m. Maintain copies of system and road maps in multiple secure places so they will be readily available for visiting crews.
 - n. Arrange for multiple options for housing, including churches, school gyms, local warehouses, and hunting lodges.
 - o. Provide identification cards to every employee to facilitate admittance to areas restricted by law enforcement and to identify employee as a priority responder for purposes of fuel and other necessities.
 - p. Consider purchasing magnetic signs with the co-op's logo for use on unmarked vehicles that will be used for co-op purposes.
 - q. Adopt a policy to upgrade facilities anytime they need to be replaced to insure FEMA coverage when facilities are replaced and upgraded pursuant to a disaster.
 - r. CRN has developed a guide called Best Practices for Utility Storm Response, which can be found on cooperative.com.
- 2. Immediately Prior to the storm.
 - a. Consider coalitions for personnel, materials and temporary housing.
 - b. Consider hiring roofers for temporary repairs to coop buildings and employee homes (to minimize employees time away from the office).
 - c. Consider arranging for child care for employees as schools may be closed.
 - d. Notify vendors of your potential need for services and supplies, and update their emergency contact information.
 - e. Contact forestry and EOCs regarding the need to coordinate road and right-of-way clearing and to prevent damage to co-op lines and facilities that may be in the debris. Also discuss ways to minimize damage to co-op facilities for later debris removal, i.e., padmounted equipment may scooped up with debris if the debris is stacked on top of the padmounted equipment.

- f. Communicate with members and let them know how you intend to communicate after the storm if you are expecting devastation.
 - g. Stockpile sufficient drinks and food (MRE's have a 7 year shelf life) to meet employees' needs during the first few days.
 - h. Identify staging sites for crews to report (vacant shopping malls or utility-owned land).
3. For long events
- a. Use vendors liberally - laundry, caterers, night fueling of vehicles, management of tent city and related activities, day care, etc.
 - b. Hold morning meetings to promote safety and to brief everyone on the progress of the restoration effort.
 - c. If stores are closed get sun screen, bug spray, tobacco, gum, snacks and other necessities.
 - d. Arrange for portable GPS for areas where street signs are gone.
 - e. Bring in warehousemen, communications specialists, accounting, managerial and other personnel from co-ops in addition to crews:
 - i. In some cases these personnel may be able work for you from their home co-op
 - f. Ask retired employees to help out.
 - g. Provide counseling for all employees.
 - h. Rent refrigerated trucks for ice.
 - i. Establish temporary warehouses and/or tent cities that are close to the work areas (multiple locations may be justified based upon the longer travel times after a disaster):
 - i. For tents get flooring - it should not be considered optional
 - ii. When considering tent or mobile housing costs be sure to weigh in travel time and increased productivity if crews are housed closer to work area
 - iii. Need to have fence contractors available for temporary compounds for vehicles and materials and for damage to substation fences
4. PR ideas
- a. Use media releases before the storm to let your members know what your worst case scenario is for outages and how the co-op will communicate with the public after the storm.
 - b. Have canned media releases (see cooperative.com) ready that can easily be modified for distribution after the storm that include estimated restoration dates for various areas (estimated restoration dates empower your members and greatly reduce the number of member phone calls). Consider posting restoration estimates at restaurants and stores in addition to your web site.
 - c. Make sure that you have lines of communication open with local

EOCs 24/7:

- i. Consider satellite internet as a backup
 - ii. If possible, staff EOC's in the hardest hit areas with employees that are trained to deal with the media
 - d. Keep your elected officials up to date on progress.
 - e. Keep your automatic answering machine updated as the restoration progresses, or else turn it off.
 - f. Keep your web page up to date.
 - g. Keep field personnel up to date on restoration progress as they will have constant contact with the public.
 - h. Don't reveal critical contact numbers to the media (like statewide cell phones) that you will need to call.
5. Storm tracking services
- a. Data Transmission Network (DTN) - customized weather service for both daily and hurricane forecasts with 24/7 access to a forecaster. 800.994.7947.
 - b. Early Alert - www.earlyalert.com 877.932.5378
 - c. University of South Alabama Coastal Weather Research Center - www.southalabama.edu/cwrc, 251. 460.6101
6. Web sites to tracking hurricanes
- a. Accuweather - www.accuweather.com
 - b. BoatUS - www.boatus.com/hurricanes/
 - c. Intellicast - www.intellicast.com
 - d. National Hurricane Center - www.nhc.noaa.gov
 - e. Weather Channel - www.weather.com
 - f. WeatherBug - www.weather.weatherbug.com
 - g. Weather Underground - www.wunderground.com

MUTUAL AID AGREEMENT

In consideration of the mutual commitments given herein, each of the Signatories to this Mutual Aid Agreement agrees to render aid to any of the other Signatories as follows:

- 1.) Request for aid. The Requesting Signatory agrees to make its request in writing to the Aiding Signatory within a reasonable time after aid is needed and with reasonable specificity. The Requesting Signatory agrees to compensate the Aiding Signatory as specified in this Agreement and in other agreements that may be in effect between the Requesting and Aiding Signatories.
- 2.) Discretionary rendering of aid. Rendering of aid is entirely at the discretion of the Aiding Signatory. The agreement to render aid is expressly not contingent upon a declaration of a major disaster or emergency by the federal government or upon receiving federal funds.
- 3.) Invoice to the Requesting Signatory. Within 90 days of the return to the home work station of all labor and equipment of the Aiding Signatory, the Aiding Signatory shall submit to the Requesting Signatory an invoice of all charges related to the aid provided pursuant to this Agreement. The invoice shall contain only charges related to the aid provided pursuant to this Agreement.
- 4.) Charges to the Requesting Signatory. Charges to the Requesting Signatory from the Aiding Signatory shall be as follows:
 - a.) Labor force. Charges for labor force shall be in accordance with the Aiding Signatory's standard practices.
 - b.) Equipment. Charges for equipment, such as bucket trucks, digger derricks, and other special equipment used by the Aiding Signatory, shall be at the reasonable and customary rates for such equipment in the Aiding Signatory's location.
 - c.) Transportation. The Aiding Signatory shall transport needed personnel and equipment by reasonable and customary means and shall charge reasonable and customary rates for such transportation.
 - d.) Meals, lodging and other related expenses. Charges for meals, lodging and other expenses related to the provision of aid pursuant to this Agreement shall be the reasonable and actual costs incurred by the Aiding Signatory.
- 1.) Counterparts. The Signatories may execute this Mutual Aid Agreement in one or more counterparts, with each counterpart being deemed an original Agreement, but with all counterparts being considered one Agreement.
- 2.) Execution. Each party hereto has read, agreed to and executed this Mutual Aid Agreement on the date indicated.

Date _____

Entity _____

By _____

Title _____

VENDOR LIST FOR EMERGENCY WORKPLAN

See the Professional Resources section of the supply chain community on cooperative.com for boilerplate contracts and rates negotiated by NRECA.

DISTRIBUTION AND TRANSMISSION CONTRACTORS in Florida

Anderson-Columbia Jim Beauchamp 386-623-5377,
Cody Nessmith 386-867-4548, Alan Beauchamp 386-623-3911

Bowlin Group 859-485-6922 <http://www.bowlingroup.com/>

Florida Industrial Electric Altamonte Springs, FL 407.331.1551

Glades Utility Services, Inc. Moore Haven, FL 863.465.0190
Leonard Lundy cell 863.243.3039
Transmission, Distribution, R/Way & Underground

Musgrove Construction Co 386.362.7048
Bruce Musgrove, Live Oak, FL - T&D, R/W, Underground & Substation

MASTEC - www.mastec.com - 850.562.2135, Tallahassee, FL

Pike Construction www.pike.com 800.424.7453

Southeast Power Corporation Titusville, FL 321.268.0540

SVEC Services Inc., Live Oak 386-330-5618
Larry Musgrove 386-688-1449 musgrove@svec-coop.com

DISTRIBUTION AND TRANSMISSION CONTRACTORS outside Florida

ABC Electric, NE 402.435.3514

Arkansas Electric Cooperatives, Inc. (Construction and R/W) 800.643.8776, ext. 2371
Ronnie Barger 501.570.2317 C 501.590.1690 H 870.948.2153
Heith Barger 501.570.2374 C 501.920.2009 H 870.948.2225
Valeria Reid 501.416.3271 C 501.416.3271 H 501.833.1608

* Note that AEC is affiliated with the Arkansas G&T but is not on the mutual aid list and therefore must be contracted by individual co-op's and not procured through FECA

B&B Electrical, MS 601.829.4100

B & B Electric, Eastland, Tx. Office 254.631.0567, Fax 254.653.2953
Brian Bird 254.631.1662

B & D Electric 870.533.4408

Beall & Sons Co., Bristol, IN 574.903.3626

Benton - Georgia, Inc., GA 678.391.2811

Berkley Electric, SC 843.899.8465

Bluegrass Central Construction, Mt. Sterling, KY
859-498-5153, 859-585-0265 or 859-498-1908 - Randall K Osborne, President

Calvary Construction, Inc., Pawhuska, OK 918.287.2832

C & L Construction, MS 601.812.5930

C & R Powerline Construction, LLC Ft. Worth, TX cell 817.291.3505

C.C. Power LLC, MI 231.258.5909

Ca-Par Electric INC, Pearl River, LA 985.605.5022, 504.416.3962

Chain Electric Company, MS www.chainelectric.com 601.545.3800 or 601.545.1421

Commonwealth Electric Co., Lincoln, NE 402.473.2249

Contracting Enterprises, VA 540.342.3175

Croft Electrical Contractors, Troy, MO Mike Bradsher 314.323.1091 or 636.528.7892,
Dennis McVey 314.283.9503 or 636.462.7542

C. W. Wright Construction Co., VA 804.763.1054

Customer Power Line, LA 405.519.3997

Davis Construction & Utilities, Manning, SC 803.473.4354

Davis H. Elliott Construction, Roanoke, VA 540.344.1294 www.davishelliot.com

D & H Electrical Contractors, Inc 501.363.0320

Diversified Decatur, AL 256-351-8622

Deviney Utility Services, Jackson, MS 601.372.3121 800.222.8038

Dominion Construction Co, Scottsbluff, NE 308.635.3372

East Bay Electric Co, Spanish Fort, AL 251.421.0033

Echo Powerline, LA (318) 346-9466 (office) or (318) 359-0620 (cell)

E-K Construction Co., LA 337.462.6131

E.P. Breaux Electrical, Inc., LA 337.364.8183 or 232.7085

The Energy Group, Inc., Detroit, MI 313-491-8411

Gaylor, Carmel, IN www.gaylor.com 317.843.0577

Gene's Electric, Milford, NE 402.761.2771

Great Southwestern Construction, Ins, Castle Rock, CO 303.688.5816,

Haverfield Corp., Carroll Valley, PA 717.334.1826

Hamilton Construction Co, KY 502.348.1384

Harper Electric Construction Co, Andalusia, AL 334.222.7022 (t & d)

High Voltage Specialists, Inc., Martinez, GA 706.854.8660

Highlines Construction Company, Inc. LA 504.436.3961

Irby Construction Company www.irby.com 800.844.1811

J. L. Malone, Albany, GA 229.439.2351

Ivy H. Smith Company, LLC, GA 770.484.2130

IES Industrial, Inc., NE 308.995.4462

Kelly Electric Co., MO 573.888.5395

Kulga Construction Co., Inc. LA 337.463.8037

KDM Construction, LA 318.724.7394

Killen Contractors cell 601.624.8865

Kiowa Line Builders, MO 660.433.2677

Lee Electrical Construction, Inc., NC www.lee-electrical.com
800.762.5168, 910.944.9728

MDR Construction, Inc., MS 601.731.2716

M&M Electrical Contractor 615.382.6912

Mid-Plains Power, Inc., NE 308.389.3800

Midwest Electric, OH 614.482.8008, Fax 614.835.0514 www.midwestelectric.biz

N. G. Gilbert Corp., IN 765.468.3007, 706.342.1166

National Contractor Services 504.812.7278

New River Electric, OH 614.370.1655

Nolin RECC, (Non-Union) 800.572.1147

Over & Under General Contractors, Inc 770.682.9160

PAR Electrical Contractors. Des Moines, IA 515.266.1330

Petty Line Construction, AL 205.755.2591

PLC - Power Line Consultants, Overhead and Underground 573.747.0646

River City Construction, Inc., NC 252.946.8164

R&M Pole Line Construction, LLC, MO 816.565.1157

Schmader Electric Construction Co., West Point, NE 402.372.2474

Service Electric, Chattanooga, TN 423.265.3161

Southern Construction Co., Ava, MO 417.796.2800

Southern Electric Corporation info@southernelectric.biz 800.949.2258

Sumter Utilities, Inc., SC www.sumter-utilities.com 803.469.8585, 843.722.0161

Taylor Electric, Madison, AL 256.895.0941

Texas Electric Utility Construction, Inc., TX 800.285.5612, 903.893.0949

Texoma Powerline, OK 580.729.0015

The L. E. Myers Co., IN 317.787.8264, 336.969.9400

Tiede's Line Construction, Haysville, KS 316.529.2937

Tessco, Midlands, TX 432.682.1991

Townsend, IN 765.468.3007 www.thetownsendcorp.com - T&D, including substation

TVA (transmission) - 423.751.3900 Ext. 8300 Ron Rogers 423.605.4798

* note that TVA is now on the FEMA mutual aid contract and FECA can procure TVA

transmission crews if you desire

Utility Lines Construction Services, AL 205.226.5400

Utility Plus, Inc. Oklahoma 405-375-3378 Cell 405-229-9362

Underground Utilities Contractors, Inc., AR, 501.605.0515, 888.605.0515

Utilicon Services, Sandersville, GA 478.348.3233

Williams Electric Co., NC 800.553.9326, 704.484.1881

RIGHT OF WAY

Walking ROW crews -

Southeastern Chem-Treat, Chiefland, FL Will Hardy 352.493.0438

Security Fence and ROW, Jay, FL Jimmy Polk 850.712.4851, 850.675.4032

Asplundh Tree Expert Co. www.asplundh.com Panhandle - 228.396.5810
North & Central - 352.333.9370 North South East & West - 772.220.0125

Byrd Tree Service LLC, Brownsville, TN 731.772.7288
Roger Byrd 731.234.5859

Butler & Co. Tree and Storm Recovery, LA 337.224.3634

Carson Line Service, Inc. 601.649.4868, Stan Carson cell 601.498.1001

Chem-Trol - Arbor ROW Wichita, KS 316.655.5908

Crafton Tree Service, Blytheville, AR 870.762.1496, Jake Crafton,
870.740.6400 After Hours

CVM Complete Vegetation Management, Plant City, FL 813.752.7506

Davey ROW 800.445.8733

Deviney Utility Services, Jackson, MS 800.222.8038

Golden Arbor Tec, LLC, GA 770.298.3394 www.goldenarbortec.com

Hartington Tree LLC, Hartington, NE 402.254.6710

Hunt Tree Service 256.302.0006

Jackson Line Clearing, Bowdon, GA 770.258.5390

Kelly Tree Service, N. Platte, NE 308.532.6524

Lewis Tree Service, FL 407-359-0848

Phillips & Jordan, Inc. www.pandj.com 800.763.4718

Poor Boy Tree Service, Inc., Fair Play, MO 877.654.2774, 417.654.2774

Southeast Woodland 912.852.2763

Tree Doc, Chadron, NE 308.432.2336 or 308.432.2525

Treeline Services, AL 888.527.7401

W.A. Kendall and Company, Inc., GA 770.963.6017

Whitestone Utility Services, LLC, GA 706.359-4040

Wolfe Tree Experts, Inc. 800.231.1113

Wright Tree Service, Des Moines, IA 515.277.6291

TRUCKS/CRANES/EQUIPMENT RENTALS

Crane Rental Corp. www.cranerental.com Orlando 800.368.8956; 407.277.5000

NESCO Sales & Rentals www.nescosales.com 800.252.0043
Bucket trucks and digger derricks

Penske Utility Rental www.pensketruckrental.com
Bucket trucks and digger derricks 800.345.7711

HAULERS

McTyre Trucking Co., Inc., Orlando 800.432.3271

ASSESSMENT - INSPECTIONS - ENGINEERING - STAKING

EDM International, Inc - 970.204.4001 assessment, logistics www.edmlink.com

Machen Enterprises, Inc., Commerce, TX - line staking, assessment
Office 903.886.0001 Kenneth Machen 903-456-3070

Osmose - local Osmose rep or Ed Horne 716.319.3503
storm assessment, logistics, post recovery inspections

Choice Point Consulting LLC 843.278.1852 cell 843.437.3542
Butch Howard (former head of Georgia Power storm recovery)

CATERERS & MEALS

Country Caterers www.countrycaterersbbq.com 800.940.3728

Deployed Resources, LLC - Valdosta, GA 229.245.943 www.deployedresources.com

Disaster Relief Catering - Miami, FL 866.569.9255, 305.525.8858 www.DC24-7.us

The Banyan Group (formerly Five Star Caterers) CA 800.610.1728
USDA contractor, minority held company www.tbrmg.com

Heater Meals 800.503.4483 or 513.772.3066 Self-Heating Meals

Mobile Help4U.com./Poor Boys Tree Service, MO www.mobilehelp4u.com
417.654.2774

OK's Cascade Company www.oks.com 800.458-8061

MATERIALS

UUS KY 800.366.4887 Gary Burnett cell 502.741.5020
ALABAMA 800.697.0386, Gary Aldridge

GRESKO 877.743.0622

POLES

Langdale Valdosta, GA 800.864.6909

Nationwide Utility Poles & Supplies, Brierfield, AL
Brad Culburn: 866.697.6537, 205.926.1887, fax 205.926.7495

Texas Electric Cooperative Inc. 409.384.4633

TENT CITIES

Search "business continuity" in cooperative.com for NRECA's supplier directory with pre-negotiated contracts

The Banyan Group (formerly Five Star Caterers) CA 800.610.1728
USDA contractor, minority held company www.tbrmg.com
One stop - includes catering, tents, showers etc.

FourD Solutions, Inc. MS 601.270.7723

Mobile Help 4 U .com./Poor Boys Tree Service, MO 877.654.2774
www.mobilehelp4u.com - have caterers, fuel tankers, generators and can provide security

Deployed Resources, LLC - Valdosta, GA 229.245.943 www.deployedresources.com

Kelly & Company RR 2 Box 512 Norwood , Mo. 65717 800-743-0885
www.kellymobilecity.com

OK's Cascade Company www.oks.com 800.458-8061, Jason Coleman

PBS&J - www.pbsj.com Raleigh, NC 27609
Steve Glenn, 919.876.6888 ext 5236, Mobile: 919.357.5164

Service Rentals Inc., Prairieville, LA 800.679.6610 www.servicerentalsinc.com
Jon Baldwin servicerentals@bellsouth.net, 225-413-9328

Storm Services, LLC - www.stormsl.com - Cairo GA 800.331.0619
Tommy Hopkins 229. 672.0308; Leland Irby 601.616.3370;
Ann Hopkins 229.225.7182; Glynese Irby 601.479.9567;
Elizabeth Hopkins 229.2218281

PenRent 850.769.6166 in Panama City

Premier Party Rentals 888.347.2789 Nat Albers

Sleeper trucks

www.mobilesleepers.com 800.347.3677
www.kellymobilecity.com 800.743.0885
www.oks.com 800.458.8061
www.servicerentalsinc.com 800.679.6610

FUEL MANAGEMENT SERVICES - including night fueling of fleet

Macro Companies - www.MacroOil.com - 800-737-3835

Mobile Help 4 U .com., MO www.mobilehelp4u.com 417.654.2774

Quick Fuel, Jacksonville, Tampa, Orlando, Miami www.quickfuel.com
800.522.6287

SMF Energy Corp, Ft. Lauderdale www.mobilefueling.com 800.383.5734

USA Fuel Service, FL www.usafuelservice.com 866.575.3835

HELICOPTER

The Tiger Copter www.tigercopter.com Orlando 321.795.9274

MISCELLANEOUS

O'Shea Emergency Services & Inventories - 800.669.0903 - www.OsheaEmergency.com

Water, MREs, radios, batteries, flashlights, medical and other

Walmart EOC - 479-277-1001 - staffed 24/7 for help with food, water, bug spray, staging areas, generators, etc.

Generators - EZ Power 352-368-6000

TEMPORARY MOBILE COMMUNICATIONS

Cellhire USA Mobile Solutions, Garland, TX 877.244.7242 www.cellhire.com

Skyterra 800.216.6728

Globalstar Satellite Phones 888.636.0707

HURRICANE TRACKING

Data Transmission Network (DTN) - customized weather service for both daily forecasts and hurricane forecasts with 24/7 access to a forecaster. 800.994.7947.

Early Alert - www.earlyalert.com 877.932.5378

University of South Alabama Coastal Weather Research Center - www.southalabama.edu/cwrc
251. 460.6101

System Emergency Information Sheet

Cooperative Name: Central Florida Electric Cooperative, Inc.	Phone Number: 352/493-2511 800/227-1302
Address: P. O. Box 9, <div style="text-align: center;">Chiefland, FL 32644</div>	Nights, Weekends & Holidays: 352/493-2511 Unlisted Number(s): 352/493-7142 - Dispatcher 352/493-7123 - Operations
Manager's Name: Mike Campbell Home Address: Chiefland, FL 32644	Home Phone: 352/949-0369
Cellular Number(s): Randy Vogel - (352) 949-0371	
Pager Number(s):	

ALL BRANCH OFFICES AND LOCATIONS

Office Location: Cross City	Phone Number: 352/498-7322
Office Location: Yankeetown/Inglis	Phone Number: 352/447-3553
Office Location:	Phone Number:
Office Location:	Phone Number:

NAME OF ALTERNATE CONTACTS:

Name: Randy Vogel	Address & Phone Number: Chiefland, FL 352/493-9897
Name: Ben Dawson	Address & Phone Number: Trenton, FL 352/213-3460
Name:	Address & Phone Number:
Name:	Address & Phone Number:
Name:	Address & Phone Number:

RADIO INFORMATION

Regular Operating Frequency:				Call Letters:	Emergency Radio:
Trunking Location	Call Letters	Frequency TX	Frequency Rx		
Chiefland	WQHJ452	158.3925	151.8050		
	WQHJ452	157.6000	151.5725		
	WQHJ452	159.8025	151.3225		
	WQHJ452	160.0725	152.4275		
	WQHJ452	160.1775	154.5475		
Bell	WQHR337	157.5675	153.0050		
	WQIB467	159.6450	151.9625		
	WQHR337	159.8250	153.2750		
	WQIB467	160.1175	150.9200		
Cross City	WQIB467	157.4700	150.8300		
	WQIB467	157.7250	151.6025		
	WQIB467	159.6975	152.9450		
	WQHR337	159.9975	151.9100		
Otter Creek	WQHJ452	157.4925	150.8750		
	WQHJ452	159.5100	151.6625		
	WQHJ452	159.7725	151.8575		
	WQHJ452	160.0575	152.4650		
Inglis	WQHJ453	157.6275	151.7225		
	WQHJ453	159.5325	151.5275		
	WQIB467	159.8925	151.8425		
	WQIB467	160.1550	152.2775		
Vehicles Equipped with Emergency Frequency: (Number and Type of Vehicle)					
Name of Local Amateur Radio Operator:		Location & Phone No.:		Station Call Sign:	
Emergency Network or Civil Defense Network:				Has Emergency Power Source:	

SYSTEM INFORMATION

System Voltages Transmission: 69,000	Primary Conductor OH: #4-336	Secondary Conductor OH: #2-4/0
Distribution: 7,200 - 14,400	URD: #2-500MCM	URD: 4/0 – 350MCM
Splicing Sleeves Used: Automatic		Splicing Tools: Burndy Tools

PERSONNEL

UNION: 1205

Overtime rate

Personnel Available to Help Other Systems During Emergency

Director of Operations:		Comments:
Public Relations:		
Engineering Services:		
Technicians:		
Mechanics:		
Other:		

SPARE SUBSTATION TRANSFORMERS

Number	KVA Voltage	KVA Capacity % Impedance	Manufacturer	Polarity

Mobile Substation:	Size:	Voltage:
Delta Star	25 MVA	67/12470Y/7200 X 24940Y/14,400

EQUIPMENT AVAILABLE

TRUCKS	NUMBER	SIZE	PERSONNEL ON EACH	SPECIAL EQUIPMENT
Service Trucks	4	37	1	4-Jib Booms/Material Handlers
Buckets	10	(1) 50' (8) 55'	2	Jib Booms/Material Handlers
Digger Derricks	4	45'	2	

Underground				90HP Ditch Witch
Special Mobile Equip.				
Special Trucks	1 Forestry Unit – 60' w/10' Elevator			

SPECIAL FACILITIES AND EQUIPMENT

Equipment	Number	Size(s)/Kind	Comments
Boat with Motor	2	(1) w/ 20 HP & (1) w/40 HP	
Boat Without Motor			
Chain Saws	36		
Spotlights	46		
Walkie-Talkie Sets	4		
Generators	5	1 – 2200 Watt, 2 – 5500 Watt 2 – 2500 Watt	
Portable Fuel Tanks	1 - tank 1 - tank	250 gal. Gasoline 500 gal. diesel	
Air Compressors	1		
Power Source			
Hot Line Trailer Sets			
Pole Trailers	3		
Portable Water Tank			
Crane			
4-Wheel Drive	13	9 – ½ ton pickups 1 – 1 ton dump body truck	3 – digger derrick trucks
Crawl Tractors	2	50 HP 4 wheel drive utility tractor 85 HP 4 wheel drive r-o-w tractor	
Vehicles	71	cars, trucks, suv's	

Other Material or Services Which Might Be Helpful:

If a helicopter is available in your area, please list the name, address and phone number:

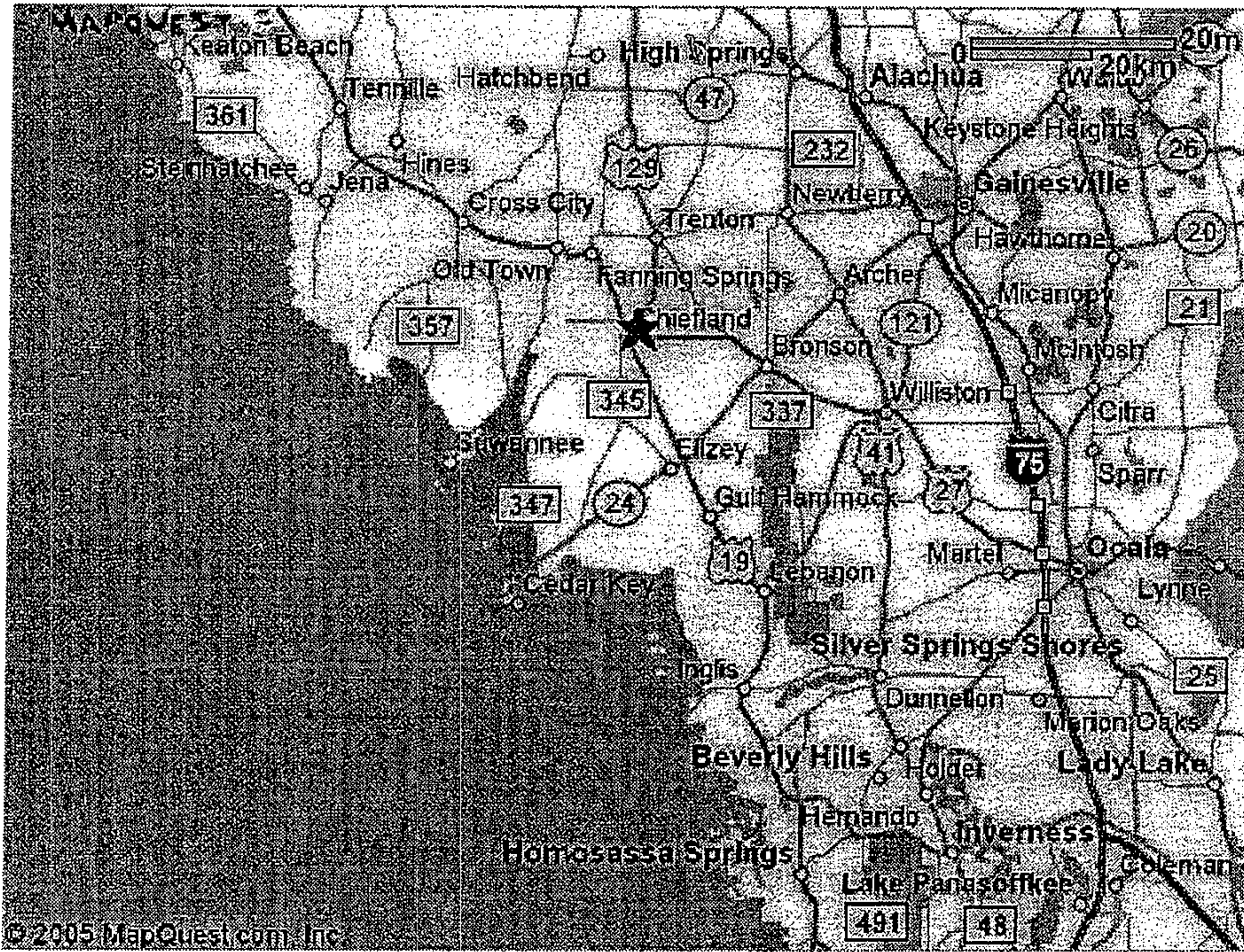
FOR INFORMATION PURPOSES, PLEASE LIST YOUR SYSTEM’S DEFINITION OF THE FOLLOWING:

	Number of Men	Type of Equipment
Service Crews	4	Small Bucket 4 – 37’ Articulating/Telescopic Material Handlers
Line Crews		
Construction Crews OH	18	Material Handler Buckets 9 – 55’ Digger derrick trucks 4 – 45’ Material Handling Bucket 1 – 50’
Construction Crews URD		
Right of Way Crews	3	Forestry Body/Chippers
Welders		
Mechanics	2	
Line Trucks		
Underground Trucks		
Bucket Trucks	10	Material Handlers
Digger Derricks	4	

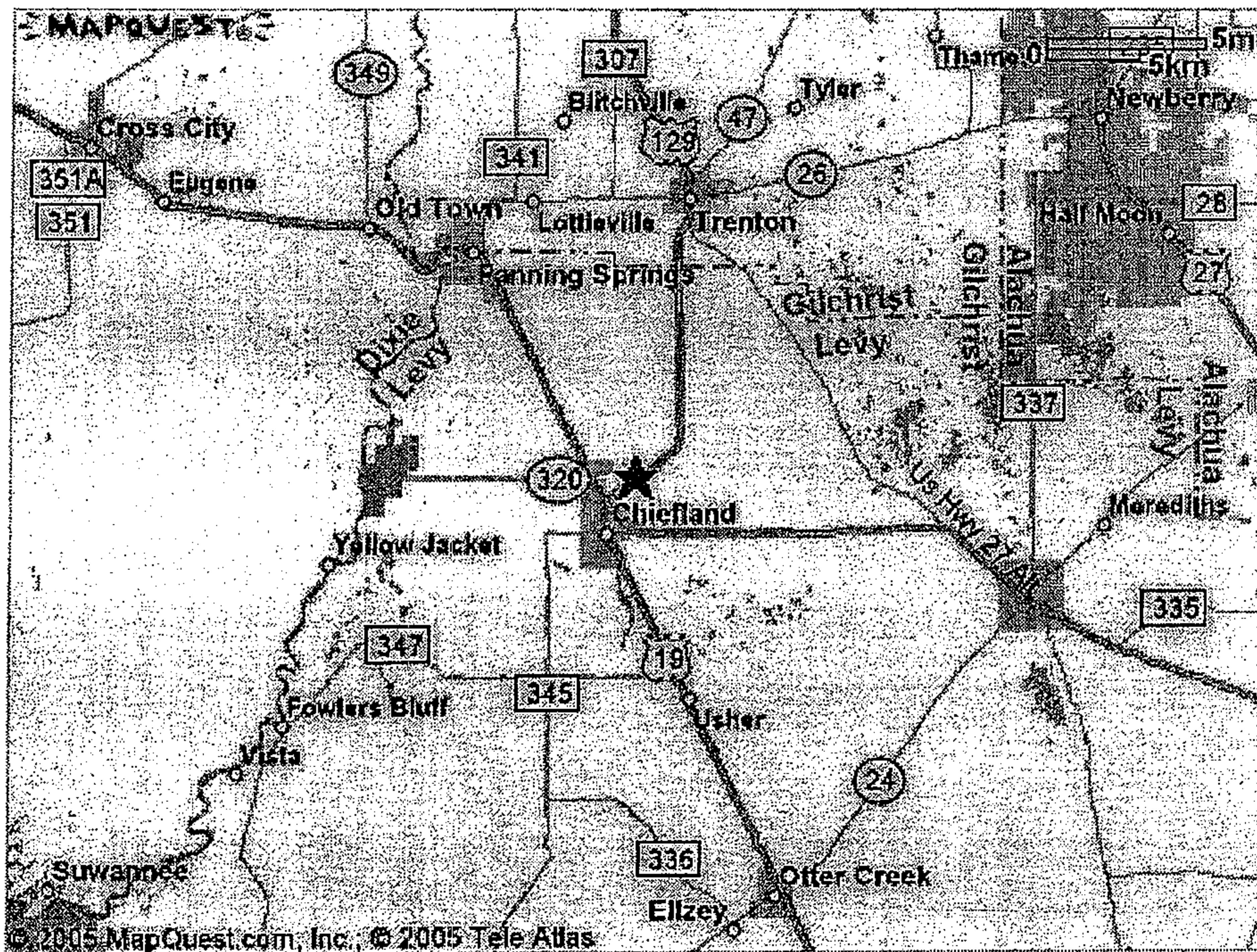
LIST ANY SPECIAL EQUIPMENT YOU MIGHT NEED:

***Central Florida Electric Coop
Operation Center
.8 miles East of Chiefland on HW 129***

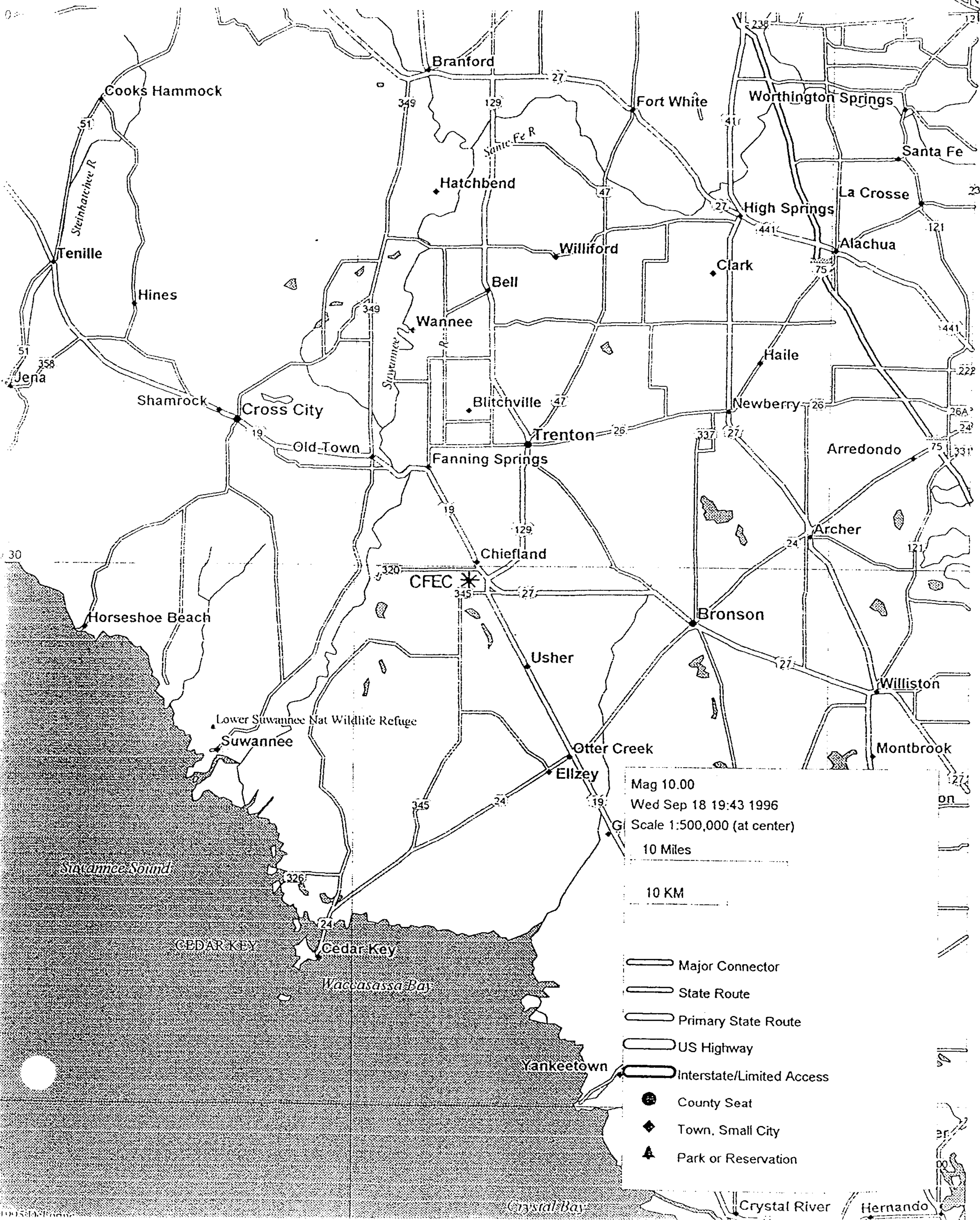
★ 11350 Nw Us Highway 129 Chiefland, FL 32626-3270, US



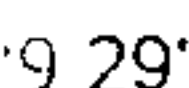
★ 11350 Nw Us Highway 129 Chiefland, FL 32626-3270, US










Central Florida E.C



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Mag 15.00
Wed Sep 18 19:56 1996
Scale 1:15,625 (at center)
1000 Feet

-  Secondary SR, Road, Hwy Ramp
 State Route
 US Highway
 Railroad
 Town, Small City
 Locale
 Population Center

System Emergency Information Sheet

Cooperative Name: Choctawhatchee Electric Cooperative, Inc	Phone Number: 850/892-2111 800/342-0990
Address: P. O. Box 512 DeFuniak Springs, FL 32435	Nights, Weekends & Holidays: 850/892-2111 - 800/342-0990 Unlisted Number(s): 850/892-4426 850-892-7489 (Dispatch)
Chief Executive Officer's Name: Leigh Grantham Home Address: 5199 Co. Hwy 192, DeFuniak Springs, FL32435	Home Phone: 850/859-2827
Cellular Number(s): Leigh Grantham - 850/585-7730 or 850-978-7905 Donny Fugate 850/585-9196 Aaron Bradshaw-850-585-4081	Matthew Avery - 850/585-2217 or 850-951-3965 Mike Richards - 850/585-9193 or 850-978-9645 Wayne Thompson - 850/585-2219
Pager Number(s): None	

ALL BRANCH OFFICES AND LOCATIONS

Office Location: Freeport, FL 32439 261 Highway 20 W	Phone Number: 850/835-2325 (Unlisted)
Office Location: Baker, FL 32531 1351 Georgia Ave.	Phone Number: 850/537-4073 (Unlisted)
Office Location: Santa Rosa Beach, FL 32459 4432 US Highway 98 East	Phone Number: 850/231-1523 (Unlisted)
Office Location: Auburn, FL 32536 3097 Locke Lane	Phone Number: 850/683-0216 (Unlisted)
Office Location: Niceville, FL 32578 1401 Catmar Road	Phone Number: 850/897-1402 (Unlisted)

NAME OF ALTERNATE CONTACTS:

Name: Leigh Grantham	Address & Phone Number: 5199 Co. Hwy 192 DeFuniak Springs, FL32435 850/859-2827
Name: Donny Fugate	Address & Phone Number: 8311 Bowen Rd Baker, FL 32531 850/537-2030
Name: Mike Richards	Address & Phone Number: 60 Hillcrest Way DeFuniak Springs, FL 32433 850/892-3001
Name: Wayne Thompson	Address & Phone Number: P. O. Box 1127 DeFuniak Springs, FL 32435 850/892-5355
Name: Aaron Bradshaw	Address & Phone Number: 294 Hidden Lakes Trail DeFuniak Springs, FL 32433 850-892-9662
Name: Matthew Avery	Address & Phone Number: 4240 Lost Horse Circle Niceville, FL 32578 , 850-897-0146

RADIO INFORMATION

Regular Operating Frequency: Transmit: 158.1900 Receive: 153.63500	Call Letters: KIA 3980 Southern Line (Primary Radio)	Emergency Radio: Same
Vehicles Equipped with Emergency Frequency: (Number and Type of Vehicle) 4- Digger Derricks, 11- Bucket Trucks and 6- Pick-up Trucks		
Name of Local Amateur Radio Operator:	Location & Phone No.:	Station Call Sign:
Emergency Network or Civil Defense Network: Civil Defense Network		Has Emergency Power Source: Yes

SYSTEM INFORMATION

System Voltages Transmission: N/A Distribution: 7.2/12.37 KV	Primary Conductor OH: #2, 1/0, 4/0, 394 & 741 AAAC, #6HD, #6A, #8A, #4 Copper URD: 1000 & 750 MCM, 4/0 & 1/0	Secondary Conductor OH: #2 Trip, 1/0 Trip & Quad, 4/0 Trip, & Quad, 350 Tri URD: 1/0, 4/0 & 350 Tri & Quad
Splicing Sleeves Used: Primary #2AAAC-741 Secondary #2 – 350MCM		Splicing Tools: Burndy and T&B Hydraulic

PERSONNEL**UNION: No**

Overtime rate

Personnel Available to Help Other Systems During Emergency

Director of Operations:	1	Comments:
Public Relations:	2	
Engineering Services:	4	
Technicians:	8	
Mechanics:	1	
Other:		

SPARE SUBSTATION TRANSFORMERS

Number	KVA Voltage	KVA Capacity % Impedance	Manufacturer	Polarity

Mobile Substation:	Size:	Voltage:
None		

EQUIPMENT AVAILABLE

TRUCKS	NUMBER	SIZE	PERSONNEL ON EACH	SPECIAL EQUIPMENT
Service Trucks	2		2	
Buckets	3	40-70	6	
Diggers	1		2	
Underground				
Special Mobile Equip.				
Special Trucks				

SPECIAL FACILITIES AND EQUIPMENT

Equipment	Number	Size(s)/Kind	Comments
Boat with Motor			
Boat Without Motor			
Chain Saws	14	Pulan 4300	
Spotlights	14		
Walkie-Talkie Sets	2		
Generators			
Portable Fuel Tanks	1		
Air Compressors	2		
Power Source			
Hot Line Trailer Sets			
Pole Trailers	3		
Portable Water Tank			
Crane			
4-Wheel Drive	All construction units 4X4		
Crawl Tractors			
Vehicles			

Other Material or Services Which Might Be Helpful:

If a helicopter is available in your area, please list the name, address and phone number:

FOR INFORMATION PURPOSES, PLEASE LIST YOUR SYSTEM'S DEFINITION OF THE FOLLOWING:

	Number of Men	Type of Equipment
Service Crews	2	4x4 Service Pick-up or Small Bucket
Line Crews	4	4x4 Bucket & Derrick w/pole trailer
Construction Crews OH	4	4x4 Bucket & Derrick w/pole trailer
Construction Crews URD	2	4X4 Service Pickup
Right of Way Crews	2	Bucket
Welders		
Mechanics		Pick-up
Line Trucks	2	All digger/derricks 4X4
Underground Trucks		
Bucket Trucks	2	All units 4x4
Digger Derricks	2	All units 4x4

LIST ANY SPECIAL EQUIPMENT YOU MIGHT NEED:

