

EMERGENCY SUPPORT FUNCTION (ESF) 12 ENERGY AND UTILITIES

Primary Agency: Chatham County Department of Public Works
Support Agencies: Chatham Emergency Management Agency
Chatham County Engineering Department
Chatham County Building Safety & Regulatory Services
Municipal Public Works (Facilities Maintenance) & Water/Sewer
Atlanta Gas
Commercial Fuel Suppliers
Georgia Power Company
Bellsouth

Supporting information, documentation, activation instructions and checklists are contained in the Introduction to Emergency Support Functions Annex.

I. Introduction

- A. Purpose: This ESF implements Annex 12 to the Emergency Operations Plan. This ESF provides operational guidance to those who are assigned to work in this ESF. The mission of this ESF is to coordinate response activities of energy and utility organizations in responding to and recovering from fuel shortages, power outages, and capacity shortages which impact or threaten to impact Chatham County citizens and visitors during and after a potential of actual Incident of Critical Significance.
1. This ESF will coordinate providing sufficient fuel supplies to emergency response organizations and areas along evacuation routes.
 2. Coordinate the provision of materials, supplies, and personnel for the support of emergency activities being conducted
 3. Maintain communication with utility representatives to determine emergency response and recovery needs
 4. Coordinate with the Board of Education to identify emergency shelter' power generation status/needs; and coordinate with other ESFs with assistance in providing resources for emergency power generation
 5. Maintain lists of energy-centric critical assets and infrastructures, and continuously monitors those resources to identify and correct vulnerabilities to energy facilities.
 6. Addresses significant disruptions in energy supplies for any reason, whether caused by physical disruption of energy transmission and distribution systems, unexpected operational failure of such systems, or unusual economic or political events.
- B. Scope:

This ESF is structured to coordinate the provision of emergency supply and transportation of fuel and the provision of emergency power to support immediate response operations as well as restoring the normal supply of power to normalize community functioning. This ESF will work closely with local and state agencies, energy offices, energy suppliers and distributors.

The emergency operations necessary for the performance of this function include but are not limited to:

- a. Preparedness
 - (1) Develop and maintain current directories of suppliers of services and products associated with this function.
 - (2) Establish liaison with support agencies and energy-related organizations.
 - (3) In coordination with public and private utilities, ensure plans for restoring and repairing damaged energy systems are updated.
 - (4) In coordination with public and private utilities, establish priorities to repair damaged energy systems and coordinate the provision of temporary, alternate, or interim sources of natural gas supply, petroleum fuels, and electric power.
 - (5) Promote and assist in developing mutual assistance compacts with the suppliers of all power resources.
 - (6) Develop energy conservation protocols.
 - (7) Ensure all ESF #12 personnel integrate NIMS principles in all planning. As a minimum, primary action officers for all ESF #12 agencies will complete ICS 200, 300, and 700 courses.
- b. Response
 - (1) Analyze affected areas to determine operational priorities and emergency repair procedures with utility field personnel. Provide status of energy resources to the EOC Operations Group as required and, when possible, provide data by county.
 - (2) In coordination with public and private utilities, prioritize rebuilding processes, if necessary, to restore power to affected areas.
 - (3) Locate fuel for emergency operations.
 - (4) Administer, as needed, statutory authorities for energy priorities and allocations.
 - (5) Apply necessary County resources, to include debris removal, in accordance with established priorities in response to an emergency.
 - (6) Provide energy emergency information, education and conservation guidance to the public in coordination with the EOC Public Information Group.
 - (7) Coordinate with ESF #1 for information regarding transport of critical energy supplies.
 - (8) Plan for and coordinate security for vital energy supplies with ESF #13.

- (9) Maintain continual status of energy systems and the progress of
- (10) Utility repair and restoration activities to include collecting and providing energy damage assessment data to ESF #3.
- (11) Recommend energy conservation measures.
- c. Recovery
 - (1) Maintain coordination with all supporting agencies and organizations on operational priorities and emergency repair and restoration.
 - (2) Continue to provide energy emergency information, education and conservation guidance to the public in coordination with ESF #15.
 - (3) Anticipate and plan for arrival of, and coordination with, GEMA ESF #12 personnel in the EOC and the Joint Field Office.
 - (4) Continue to conduct restoration operations until all services have been restored.
 - (5) Ensure that ESF #12 team members or their support agencies maintain appropriate records of costs incurred during the event.
- d. Mitigation
 - (1) Anticipate and plan for mitigation measures.
 - (2) Support requests and directives resulting from the Governor and/or GEMA concerning mitigation and/or re-development activities.
 - (3) Document matters that may be needed for inclusion in agency or state/federal briefings, situation reports and action plans.

II. Concept of Operations

- A. While restoration of normal operations at energy facilities is the primary responsibility of the owners of those facilities, ESF #12 provides the appropriate supplemental assistance and resources to enable restoration in a timely manner.
- B. Serve as the focal point within Government for receipt of information on actual or potential damage to energy supply and distribution systems and requirements for system design and operations, and on procedures for preparedness, prevention, recovery, and restoration;
- C. Advise authorities on priorities for energy restoration, assistance, and supply
- D. Recommend actions to conserve fuel and electric power; and
- E. Provide energy supply information and guidance on the conservation and efficient use of energy to Federal and State governments and to the public

- F. Participation in pre-incident activities, such as pre-positioning assessment teams and contractors, and deploying advance support elements shall be supported.
- G. ESF 12 will serve as the resident expert in post-incident assessments of energy and utilities to help determine critical needs and potential workloads.
- H. Policies and procedures shall be established to identify structural and nonstructural mitigation measures, including deploying of protective measures, to minimize adverse effects or fully protect resources before an incident.
- I. Execution of emergency contracting support for life-saving and life-sustaining services and other emergency commodities and services.
- J. Providing emergency repair of damaged infrastructure and critical public facilities (temporary power, emergency water, sanitation systems, etc.). As appropriate, this ESF requests technical support to help facilitate efforts to obtain necessary regulatory (cultural and environmental) clearances for infrastructure restoration activities.

III. Responsibilities

- A. ESF Primary and Support Agencies shall:
 - 1. Attend at least quarterly meetings to ensure planning functions are carried out to support this ESF.
 - 2. Assess the need for and prioritize the deployment of services based on available resources and critical needs as they related to your responsibility. Also to develop procedures to obtain additional private sector support as required.
 - 3. Assemble a list of energy and utility related assets available to support recovery and coordinate this information with the EOC.
 - 4. Request volunteer agencies and private resources with assets to contribute those assets to the response effort.
 - 5. Evaluate the availability, operational condition and duration of need as well as logistical requirements necessary to obtain critically needed equipment.
 - 6. Participate in drills and exercises to evaluate local capability.
 - 7. Maintain records of expenditures and document resources utilized during recovery in accordance with ESF 7 policies and procedures and report these records to the Primary Agency.
- B. Chatham County's Department of Public Works shall:

1. Coordinate with each Support Agency through at least quarterly meetings to ensure planning functions are carried out to support this ESF.
2. Oversee the coordination management of resources, facilities and equipment.
3. Develop maintenance and protection arrangements for consolidated energy and utility response and recovery.
4. Make contact with electric, gas, telephone, water, utilities and industry coordinating groups serving the emergency area to obtain information about damage and/or assistance needed in their areas of operation.
5. Monitor the procedures followed by the individual utilities during a generating capacity shortage on their systems and the procedures followed by all utilities to ensure coordinated statewide action and communication.
6. Coordinate with industry trade groups and associations to obtain needed fuel supplies.
7. Coordinate the following activities:
 - a. Electric generating capacity;
 - b. Expected electric peak load;
 - c. Geographic areas and number of customers that are expected to be most severely impacted, if available;
 - d. Status of major generating unit outages;
 - e. Expected duration of event;
 - f. Explanations of utilities planned actions; and recommendations of agency actions in support of the utilities. Maintain records of expenditures and document resources utilized during response and recovery efforts.