

ANNEX 12 (ESF 12) ENERGY TO GREENWOOD COUNTY'S EMERGENCY OPERATIONS PLAN

PRIMARY: Commissioner of Public Works

**Suggested Liaison Staffing: County Public Works
City Shop,
Duke Energy
Piedmont Propane**

Staff Augmentation as directed by County Manager

I. INTRODUCTION

- A. Energy includes producing, refining, transporting, generating, transmitting, conserving, building, and maintaining various energy systems. Damage to any system can have a rippling effect on supply, distribution, or other transmission systems.
- B. ESF-12 will coordinate with the utilities operating in the county to ensure the integrity of power supply systems are maintained during emergency situations and any damages incurred are repaired and services restored.
 - 1. ESF-12 will monitor and coordinate the availability of transportation fuels, power generating utilities and availability of emergency power.
 - 2. ESF-12 will also monitor and coordinate the restoration of electric and natural gas services for normal community functioning.
- C. Review this annex and the EOP and develop Standard Operation Procedures (SOPs) for each task established by this appendix and the EOP.
- D. Annually review the State EOP & Department of Homeland Security Universal Task List and integrate tasks as appropriate.

(Special note: All sections to this annex will be reviewed and determination made as to the necessary actions required to support individuals classified as "special or functional needs". Actions regarding this category of personnel will be contained in the Standard Operations Procedures)

II. MISSION

To assess the extent of damage, provide information, and as necessary, coordinate the restoration of energy systems during a disaster in Greenwood County.

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III. CONCEPT OF OPERATIONS

- A. Greenwood County Public Works Director is responsible for the coordination of all ESF-12 administrative, management, planning, training, preparedness, mitigation, response, and recovery activities to include developing, coordinating, and maintaining the ESF-12 SOP(s).
- B. Determine staffing requirements for performing EOC duties at the three levels of EOC activation and coordinate needs with Emergency Management Director.
- C. All ESF-12 personnel will be trained on the principles of the National Incident Management System (NIMS) integrate those principles into all ESF-12 planning and response operations.
- D. In coordination with, and in support of, the County Damage Assessment Team (DAT), will assess the situation (both pre- and post-event), and develop strategies to respond to the emergency.
- E. ESF-12 will coordinate with public and investor-owned and operated electric and natural gas utility services to ensure provision and/or restoration of energy services to the public.
- F. Considerations for allocation of energy resources will include but are not limited to:
 - 1. Coordinating with agencies and emergency response organizations to assist with accessing sufficient fuel supplies.
 - 2. Providing support and personnel for support of emergency activities
 - 3. Coordinate with utility representatives to determine emergency response and recovery needs.
 - 4. Coordinate with ESF-6 to identify emergency shelter power restoration status/needs and with other ESFs for emergency power generation needs.
- G. Coordination with all appropriate departments/agencies, organizations and utilities will be performed to ensure operational readiness.
- H. Owners and operators of investor-owned (private), and public utilities systems shall be responsible for the activation of plans for appropriate allocation of resources of personnel, equipment and services to maintain or restore utility service under their control.

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IV. ESF ACTIONS

Actions necessary to insure readiness to respond are divided into the four cycles of emergency management. These are: preparedness, response, recovery, and mitigation. Each cycle requires actions to be planned for to insure total readiness. Considerations to be planned for are 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 energy-related organizations.
3. In coordination with public and private utilities, ensure plans for restoring and repairing damaged energy systems are updated annually to include priorities for restoring critical infrastructure.
4. Coordinate with appropriate law enforcement agencies to insure the protection of vital supplies and equipment.
5. 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.
6. Promote and assist in developing mutual assistance compacts with the suppliers of all power resources.
7. Develop energy conservation protocols.
8. Annually review the Department of Homeland Security Universal Task List and integrate new tasks as appropriate.
9. Ensure all ESF-12 personnel integrate NIMS and Incident Command principles in all planning.
10. All ESF personnel will complete all required NIMS training.

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 as required.

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2. In coordination with public and private utilities, prioritize the rebuilding processes, if necessary, to restore power to affected areas.
3. Locate fuel for emergency operations.
4. Administer 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 ESF-15 (Public Information).
7. Coordinate with ESF-1(Transportation) 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 utility repair and restoration activities to include collecting and providing energy damage assessment data to ESF-3. (Public Works and Engineering)
10. Recommend energy conservation measures.

C. Recovery

1. Maintain coordination with all 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 the ESF-15.
3. Anticipate and plan for arrival of, and coordination with, State ESF-12 and Department of Energy 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 maintain appropriate records of costs incurred during the event.

D. Mitigation

1. Anticipate and plan for mitigation measures.

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2. Support requests and directives concerning mitigation and/or re-development activities.
3. Document matters that may be needed in briefings, situation reports and action plans.

V. RESPONSIBILITIES

A. Greenwood County Public Works Director.

1. Identify, train, and assign personnel to staff ESF-12 in the EOC.
2. Notify all ESF-12 support departments/agencies upon activation.
3. Maintain communications with electric utilities in responding to and recovering from emergencies regarding electric generating capacity, municipal shortages, electric generating fuel shortages, transmission and distribution line outages, and electrical service outages affecting the public.
4. Develop protocols to establish priorities to repair damaged energy systems and coordinate the provision of temporary, alternate, or interim sources of petroleum natural gas and electric power.
5. Develop protocols to report the following:
 - a. County electric generating capacity, if any.
 - b. County electric demand.
 - c. Coordinate with Duke Energy and obtain their area identification system and adopt their system to our reporting on status of repairs, number of customers impacted, and estimated restoration time.
 - d. Status of major generating unit outages.
 - e. Expected duration of event.
 - f. Explanation of utility planned actions and recommendations of agency actions in support of utilities.
 - g. Maintain status of natural gas pipelines to include private sector providers.

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6. Direct efforts to manage transportation fuels or non-utility fuel supplies in the event of a shortage required for residential, commercial, or industrial purposes

B. Duke Energy and Municipal CPW

Provide liaison to ESF-12 during activation and assistant as requested.

VI. STATE/FEDERAL INTERFACE

- A. This annex is supported by the State EOP and the National Response Plan ESF-12, Energy. State ESF-12 gathers, assesses, and shares information on energy system damages and the impact of energy system outages. State ESF-12 works closely with and aids in meeting requests from local energy officials, energy suppliers, and deliverers. Energy is defined as producing, refining, transporting, generating, transmitting, conserving, building, and maintaining energy systems and energy system components.
- B. State ESF-12 will be represented at the Joint Field Office (JFO), if established, and will:
 1. Serve as the state focal point for receipt of reports on damage to energy supply and distribution system and requirements for system design and operations, procedures for preparedness, prevention, recovery, and restoration.
 2. Advise federal authorities on priorities for energy restoration, assistance, and supply.
 3. Assist industry and county emergency response actions.
 4. Assist federal departments and agencies by locating fuel for transportation, communications, emergency operations, and national defense.
 5. Recommend state actions to conserve fuel.
 6. Provide energy supply information and guidance on the conservation and efficient use of energy to federal and state governments and to the public.
- C. State ESF-12 will coordinate with Federal ESF-12 to obtain federal assistance, as required.