

## **EMERGENCY SUPPORT FUNCTION 12 - ENERGY**

### **PRIMARY**

ESF12 Coordinator- Henderson Municipal Power & Light and Kenergy Corp.  
Distribution and Restoration Supervisors/Engineers

### **LOCAL SUPPORT**

Henderson City and County Elected Officials  
Henderson County Emergency Management Agency (EMA)  
Henderson County Sheriff's Department  
Henderson City Police  
Henderson City Fire Department  
Henderson County Health Department  
Henderson County Road Department  
Henderson City Street Department  
Tri County-Solid Waste Department  
Henderson City/County Rescue Squad  
Henderson City/County Emergency Medical Services (EMS)  
Henderson County Fire Chiefs Association

### **LOCAL RESOURCE**

KENERGY Corp.  
Kentucky Utilities  
ATMOS Energy  
Texas Gas Co.  
Henderson Municipal Gas Department  
Henderson Municipal Power & Light  
Henderson City Codes Enforcement - Building Inspector  
Henderson City Codes Enforcement - Electrical Inspector  
Henderson County Codes Administrator  
Henderson County Emergency Management Agency (EMA)  
Henderson County Sheriff's Department  
Henderson City Police  
Henderson City Fire Department  
Henderson County Health Department  
Henderson County Road Department  
Henderson City Street Department  
Tri County-Solid Waste Department  
Henderson City/County Rescue Squad  
Henderson City/County Emergency Medical Services (EMS)  
Baskett VFD

Reed VFD  
Zion VFD  
Robards VFD  
Corydon VFD  
Smith Mills VFD  
Cairo VFD  
Niagara VFD  
Hebbardsville VFD  
Spottsville VFD  
Henderson ARES/RACES Amateur Radio Club  
American Red Cross (ARC), Cardinal Chapter  
Henderson County School District & Transportation Department  
Kentucky Transportation Cabinet (KYTC) Henderson Office

## **STATE RESOURCE**

Kentucky Division of Emergency Management (KyEM)  
Kentucky Division of Fish and Wildlife  
Kentucky Transportation Cabinet (KYTC) District Office  
State Board of Education  
Kentucky Department of Military Affairs/Kentucky National Guard  
Volunteer Organizations Active in Disaster

## **PURPOSE**

The Purpose of this Energy (ESF 12) – is to enhance the coordination of the response of small to medium counties to the impacts on their energy systems from both natural and manmade hazards. The infrastructure systems specifically identified in this ESF are: electrical and fossil fuels.

## **SITUATIONS AND ASSUMPTIONS**

During a disaster or emergency, county and local governments have a limited capability and an immediate requirement to provide emergency services for restitution of electrical, and fossil fuels; emergency restoration of critical public services and facilities, and technical assistance and damage assessment of private utility operations

Damage can include economic loss, injury to persons or animals in addition to the physical damage to property and buildings.

As the result of a catastrophic incident the following conditions could exist within the County:

**Electric:**

- A catastrophic incident such as severe weather conditions (ice storms, heat waves, or tornadoes) may cause energy shortages by disrupting electrical transportation services, interfering with delivery through transmission lines, or by forcing higher than normal usage of energy for heating or cooling.
- Evacuation/relocation of the county population due to a catastrophic incident will cause a disruption of energy distribution.
- Public and private utilities systems usage may be curtailed or otherwise cease to operate due to damage or other emergency conditions.
- Depending on the situation, rationing or conservation of electricity may be imposed to conserve energy resources.
- Public and private utility and energy organizations will perform tasks on their own authority to restore their essential services to the jurisdiction.

**Fossil Fuel:**

- Disruption of fuel distribution, unexpected high usage rates, or a slowdown of fuel production may cause local fuel shortages.
- Other energy shortages, such as interruptions in the supply of natural gas or other petroleum fuels for automotive transportation and other industrial uses may result from extreme weather conditions, strikes, or international embargoes.
- Rationing to conserve the County's fuel resources may be implemented pursuant to KRS 39A.100.

**MISSION**

To coordinate the overall response of the County to major failures of electrical service/systems, disruption of power suppliers and resources to the County infrastructure due to natural or manmade incidents.

**DIRECTION AND CONTROL**

The ESF12 Coordinator will recommend to ESF 7 Coordinator, the County resources to be committed to the incident and alert appropriate personnel.

**Electric:**

- The ESF12 Coordinator is the Chief Elected Official's designated representative to coordinate all county energy emergencies.
- During an energy emergency, the State, upon direction from the Governor's Office, may form an Energy Resource Management Board. The ESF12 Coordinator will work with the State Energy Resource Management Board to develop local energy usage guidelines.
- The ESF12 Coordinator will coordinate, in cooperation with County EOC operations and other response forces, countywide response and recovery efforts of infrastructure and energy during emergencies and following a major incident.
- Energy will be distributed in the following priorities:
  - Critical facilities are defined by FEMA Publication 543, Design Guide for Improving Critical Facility Safety from Flooding and High Winds: Providing Protection to People and Buildings:
  - Critical facilities commonly include all public and private facilities that a community considers essential for the delivery of vital services and for the protection of the community. They usually include emergency response facilities (fire stations, police stations, rescue squads, and emergency operation centers [EOCs]), custodial facilities (jails and other detention centers, long-term care facilities, hospitals, and other health care facilities), schools, emergency shelters, utilities (water supply, wastewater treatment facilities, and power), communications facilities, and any other assets determined by the community to be of critical importance for the protection of the health and safety of the population. The adverse effects of damaged critical facilities can extend far beyond direct physical damage. Disruption of health care, fire, and police services can impair search and rescue, emergency medical care, and even access to damaged areas.
  - Essential industry, commercial and agriculture
  - Non-essential industry and agriculture; and
  - Non-essential commercial and residential

- Local electrical restoration will be conducted according to local power company policies and procedures. The local Standard Operating Procedures for power restoration includes priority for critical facilities.

**Fossil Fuels:**

- The ESF12 Coordinator will coordinate with the oil and gas industry, and other response forces, for distribution and use of fossil fuels during emergencies and following a major incident.

## **CONCEPT OF OPERATIONS**

### **Phases of Management**

#### **Preparedness**

The ESF12 Coordinator will prepare and maintain a current list of infrastructure necessary for maintaining basic electrical and fossil fuel delivery to the County.

The ESF12 Coordinator will prepare and maintain ESF administrative and financial procedures as required to properly document activities during an incident.

#### **Response**

The ESF12 Coordinator will work with Emergency Management to provide public service announcements on energy conservation, mitigation impacts and restoration forecasts.

The ESF12 Coordinator will:

#### **Electric:**

- Determine critical supply needs of priority populations (e.g. infants, elderly, and other people with special needs.)
- Identify and prioritize vital public facilities without power (i.e., hospitals, nursing homes) and coordinate delivery of emergency generators if available.
- Obtain information and assess electrical power damage and outages.
- Coordinate temporary, alternate and/or interim sources of electrical power supplies.

**Fossil Fuels:**

- Determine critical supply needs of priority populations (e.g. infants, elderly, and other people with special needs.)
- Obtain information and assess oil and petroleum fuel supply damages.
- Identify and assess requirements to repair pipeline and fuel supply systems.
- Coordinate temporary, alternate and/or interim sources of oil and petroleum supplies.

**Recovery**

Assist in damage assessment operations and relay damage assessment information to the County EOC.

**Electric:**

- Identify and assess requirements to repair electrical systems.
- Assess requirements for power restoration. (Inspections, etc)

**Fossil Fuels:**

- Assess requirements for pipeline and fuel supply restoration.
- Review and assess potential need for price controls.

**ORGANIZATION AND ASSIGNMENT OF RESPONSIBILITIES**

The ESF12 Coordinator will identify and coordinate local, state and federal agencies to restore access into the disaster area(s), provide damage assessment information and direct the rehabilitation of critical infrastructure for the County.

**GENERAL ORGANIZATION RESPONSIBILITIES**

Operational control remains the same during emergency situations as during normal activities; however, operations may require 24-hour coverage, and a central point of overall coordination. The ESF12 Coordinator must be prepared to assist in lengthy operations that start in response and continue through recovery and involve cleanup activities and return of resources.

- During an emergency or following a major incident, the County and local governments will take a greater role in providing and coordinating resources, equipment and personnel used to maintain or restore the County's infrastructure and energy sources.
- As their capabilities allow, the various agencies in the County with public works capabilities will assist each other during an incident.

## **SPECIFIC KEY POSITION RESPONSIBILITIES**

### **Primary - County Infrastructure Coordinator**

- Upon activation, report to the County EOC.
- Coordinate with the State ESF #12 Primary Agencies.
- Coordinate directly with on-scene Federal ESF #12 representatives, when required.
- Work with the County EOC to develop strategies and priorities of response and recovery efforts to damaged areas and/or disruption of infrastructure and energy services.
- Coordinate countywide efforts, including outside assistance, to maintain and/or restore infrastructure usage and energy.
- In reference to infrastructure and energy issues, receive and assess requests for emergency aid and/or offers of emergency services from private and public agencies and make recommendations to the County EOC.
- Keep the County EOC informed on other current and pending emergency issues involving County infrastructure and energy sources.
- Develop and maintain relations with other representatives from the County, surrounding counties, municipalities, local military facilities, and private agencies supporting and servicing infrastructure and energy within the County (to include local electric, fossil fuel, and other utilities).
- In coordination with support agencies and the County EOC, prioritize restoration efforts of County infrastructure.
- Maintain accurate logs and other records to include tracking resources, and expenses.
- Coordinate the development of a county debris management plan.
- Coordinate with representative from other Counties, surrounding municipalities, local military facility, and private agencies supporting and service infrastructure and energy within the County (to include local electric, fossil fuel, and industry contacts) to:
  - Develop and maintain a list of source, location, and availability of equipment, fuel, and operational personnel to support response/recovery operations.
  - Provide for County EOC backup electrical power.

- Maintain emergency power, at vital facilities in the County during emergencies.
- Prepare standard operating guidelines/ procedures to provide for infrastructure and energy functions and services during emergencies.
- Establish communications with support agencies.
- Coordinate with industry trade groups and associations to obtain needed fuel for industrial and other emergency purposes in the event of an impending or actual shortage.
- Monitor countywide infrastructure and energy maintenance and restoration efforts and periodically report your findings to the County EOC, when the EOC is activated.
- Assist in damage assessment operations and relay damage assessment information to the County EOC.
- If required, assign emergency response and assessment teams to impacted areas to determine possible affected areas and resources for infrastructure and energy restoration.

### **Support**

- County Emergency Management Director
  - Assist all organizations supporting this ESF in the County, and the surrounding municipalities, in obtaining required outside assistance and resources, as necessary.
  - Develop mutual aid agreements as required.
- County/Local Law Enforcement
  - Assist with security and traffic control
- County/Local Fire Departments
  - Assist with Damage Assessment
  - Manpower
- Supporting Agencies will ensure their representatives to ESF 12 are properly trained and exercised on the plans and procedures relating to their work.



## **REFERENCES**

KRS 39A-G

The National Response Framework

The National Incident Management System

Henderson County Emergency Operations Center, Standard Operating Procedures