



## EMERGENCY SUPPORT FUNCTION #12 PUBLIC UTILITIES



<b>COORDINATING AGENCY:</b>	Guernsey County EOC/EMA
<b>PRIMARY AGENCIES:</b>	American Electric Power Guernsey-Muskingum Electric Cooperative Inc. Columbia Gas of Ohio Verizon North
<b>SUPPORT AGENCIES</b>	Guernsey County Fire Service Local Law Enforcement Local Bulk Fuel Distributors Local Service Stations
<b>State Agencies</b>	PUCO

### I. Introduction

Public utilities according to this ESF are defined as those necessary for emergency response and recovery from an emergency or major disaster. These include electricity, telephone, natural gas and other fuel sources.

Since the major public utility providers in the County are private industry, the County has no regulatory authority over them. It is critical that close coordination occur during an emergency to assure that the most appropriate emergency response activities are undertaken to protect the health and safety of county residents. In addition, a number of private companies exist that may be able to provide temporary equipment to assist in the provision of utility services.

#### A. Purpose

To maintain liaison with public utilities providing services in Guernsey County and coordinate the continued operations of public utilities necessary to provide essential services to Guernsey County citizens, businesses, and governments.

#### B. Scope

ESF #12 gathers, assesses, and shares information on energy system damage and estimates on the impact of energy system outages/shortages within Guernsey County. The purpose of this ESF is to facilitate restoration of energy systems and fuel supplies following a public emergency. Power and fuel are critical to protecting lives and property and maintaining the continuity of the government, business, transportation, emergency services, and other critical infrastructures within the county.

#### C. Policies

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1. Priority for restoration of critical public utilities will be given to critical infrastructure and those facilities established for mass care.
2. Identify and allocate all local government interim energy sources to support continuation of critical services, countywide restoration efforts, and public buildings.
3. ESF-12 will closely coordinate with the electric and natural gas 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 in an efficient and expedient manner afterward.

II. Situation & Assumptions

A. Situation

1. Power outages can be expected to occur following a major disaster. Outages may also be caused by severe cold or hot weather, fuel shortages, transportation disruptions, power plant outages, and transmission line and distribution problems.
2. The 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.
3. The primary providers of utility services within the County are private businesses rather than government agencies.
  - a. The electric companies that service Guernsey County and their service areas are outlined in Attachment 1.
  - b. The gas companies that service Guernsey County and their services areas are outlined in Attachment 2.
  - c. The telephone companies that service Guernsey County and their service areas are outlined in Attachment 3.
  - d. A listing of fuel oil, kerosene and LP gas providers is maintained in the Guernsey County Resource Manual.
  - e. A listing of area service stations is maintained in the resource manual.
4. Private contractors and businesses may provide additional support during emergencies for energy and public utilities.
5. Home Heating Overview

<u>House Heating</u>	<u>Fuel</u>	<u>Number</u>	<u>Percent</u>
Occupied housing units	16,094		100%
Utility gas	8,103		50.3%
Bottled, tank or LP gas	2,234		13.9%
Electricity	3,445		21.4%
Fuel oil, kerosene, etc.	1,371		8.5%
Coal, coke or wood	707		4.4%
Solar energy or other fuel	204		1.3%
No fuel used	30		0.2%

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B. Assumptions

1. During periods of abnormal weather or in the event of multiple unanticipated generating unit outages, there may be occasional times when generating capacity is limited or falls below customer demand.
2. There may be widespread and prolonged electrical power failure.
3. Long term disruption of utility services may increase the need for the establishment of mass care shelters or acquisition of portable water purification sanitation, power generating and communications systems.
4. If damage to utility systems is severe with long-term outages anticipated, local resources will be insufficient to provide critical services.

III. Concept of Operations

A. General

1. It is expected that utility providers, such as those, which provide power, natural gas, petroleum, or communications services, will develop internal organizational procedures, which will guide operations after a major event. These procedures should facilitate the basic assessment of what happened, what can be done about it and what is needed. If appropriate, this information should be provided to the Guernsey County Emergency Operations Center (EOC) as soon as possible.
2. 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.
3. 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.

B. Organization

1. The Public Utilities Commission regulates investor-owned electric and natural gas utilities, larger water companies, and the telephone and motor carrier industries to assure that they provide consumers with adequate service at reasonable rates.
2. Contact with utility providers may be established by the EOC to coordinate resources, establish priorities, assess and document damages and provide information to the public.
3. Utility providers shall send a liaison to the EOC to facilitate coordination and shall provide communications equipment to be in contact with field units, when requested.
4. The provision of utility services will be coordinated from the County Emergency Operations Center. Agencies providing such services will operate and administer programs from their normal working locations, but their damage and restoration information will be provided to the County EOC to guide emergency response activities.
5. Requests for assistance are primarily made by the utility providers through existing mutual aid agreements with other providers. The EOC may assist with coordinating outside resources, upon request.

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C. Pre-Incident Actions (Preparedness & Mitigation)

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 private utilities, ensure plans for restoring and repairing damaged energy systems are updated.
4. In coordination with 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. Annually review the Department of Homeland Security Universal Task List and integrate tasks as appropriate.
8. Ensure all ESF-12 personnel integrate NIMS principles in all planning. As a minimum, primary action officers for all ESF-12 agencies will complete FEMA's NIMS Awareness Course, or an equivalent course.

D. Incident Period Actions

1. Analyze affected areas to determine operational priorities and emergency repair procedures with utility field personnel.
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. Provide energy emergency information, education and conservation guidance to the public.
5. Coordinate with ESF-1 for information regarding transport of critical energy supplies.
6. Recommend energy conservation measures.

E. Post Incident Actions

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.
3. Continue to conduct restoration operations until all services have been restored.
4. Ensure that ESF-12 team members or their support agencies maintain appropriate records of costs incurred during the event.

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IV. Assignment of Responsibilities

A. Coordinating Agency

1. Liaison and coordinate with utility and energy providers.
2. Coordinate with providers for compliance with any restrictions or limitations placed on utilities by the local, state or Federal government.

B. Primary Agency

1. Electric Companies

- a. Determine extent of power failure and report information to Guernsey County Emergency Management Director.
- b. Coordinate for support of emergency power at hospitals, rest homes, and for individuals identified with emergency power needs.
- c. Prevent unauthorized entry at the site.
- d. Assist with fire prevention related to downed lines.
- e. Activate in-house emergency response actions.
- f. Advise EOC to rely on alternate communications and warning systems until power is restored.
- g. Follow prioritization list for restoration of service.
- h. Coordinate shutdown and start-up procedures.

2. Gas Companies

- a. Determine extent of gas line information and report to the Guernsey County EMA Director.
- b. Notify fire departments of ruptured lines.
- c. Determine extent of risk area and coordinate with fire and law enforcement for evacuation if needed.
- d. Coordinate with other utilities and fire departments in shutting down systems that might present additional hazards.
- e. Ensure that site is ventilated to disperse accumulations of natural gas.
- f. Assist emergency forces in erecting barricades.
- g. Coordinate utility start-up procedures.

3. Telephone Companies

- a. Determine extent of telephone interruption and report to Guernsey County EOC.
- b. Provide PIO with probable time frame for service to be restored.

C. Support Agencies

1. Local Fire Departments

- a. Provide generators for emergency power supply.
- b. Provide 4-wheel drive vehicles for transportation of utility personnel as requested.
- c. Provide boats for transportation of utility personnel into flooded areas as requested.
- d. Secure areas with downed power lines and/or gas leaks as necessary.

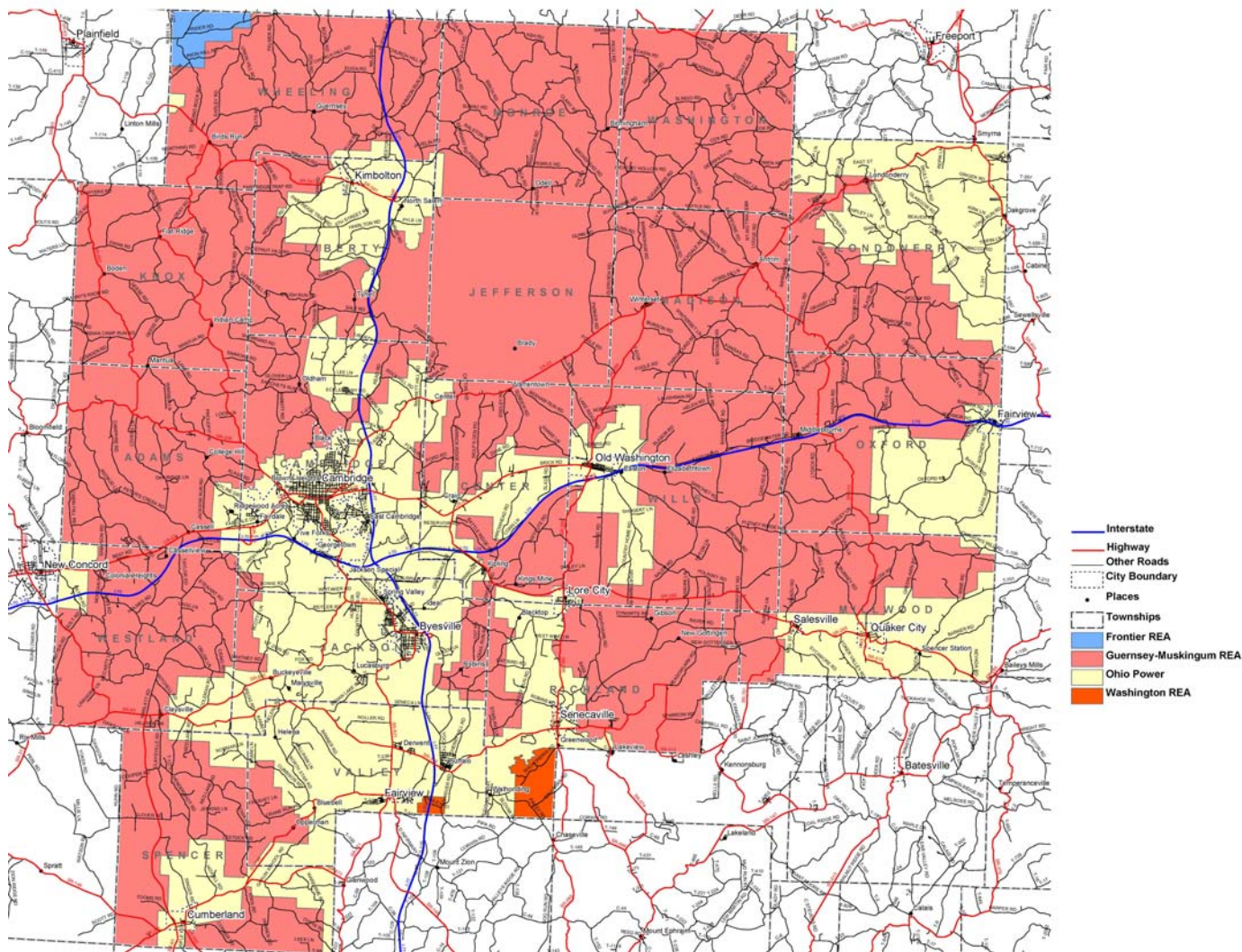
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2. Local Law Enforcement
    - a. Provide traffic control for utility companies as requested.
    - b. Assist in securing areas with downed power lines and/or gas leaks.
  3. Local Service Stations
    - a. Keep the EOC informed of fuel supplies on hand upon request.
    - b. Notify EOC of any possible disruption in receiving fuel.
  4. Local Bulk Fuel Distributors
    - a. Notify EOC of any possible disruption in receiving fuel.
    - b. Provide bulk fuel deliveries to emergency responders as requested.
- V. Resource Requirements
- A. Listings of resources required to support ESF-12 are maintained in the Guernsey County resource manual. This includes:
1. Area service stations
  2. Local bulk fuel distributors
  3. Portable generators
  4. Available 4-wheel drive vehicles for personnel transportation
  5. Available boats for personnel transportation

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Attachment 1

Guernsey County - Electric Distribution Companies





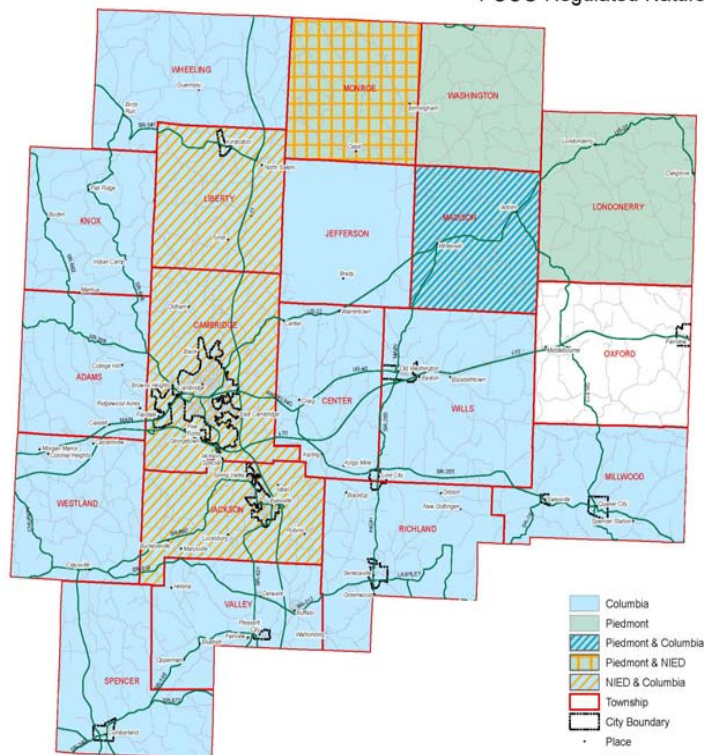
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## Attachment 2

### Guernsey County PUCO Regulated Natural Gas Companies

*This map was created by combining the responses of regulated gas utilities to a request by the PUCO staff for information on the area served by each utility. As a result, there is some degree of overlap of the service areas claimed by the utilities. Also, some areas (shown in white on the map) were not included in any of the responses. This does not necessarily mean that there is no gas service in these areas. We make no claims to the accuracy of this information at this time. Information presented here should be independently verified before using it.*

Public Utilities Commission of Ohio  
<http://www.puco.ohio.gov>



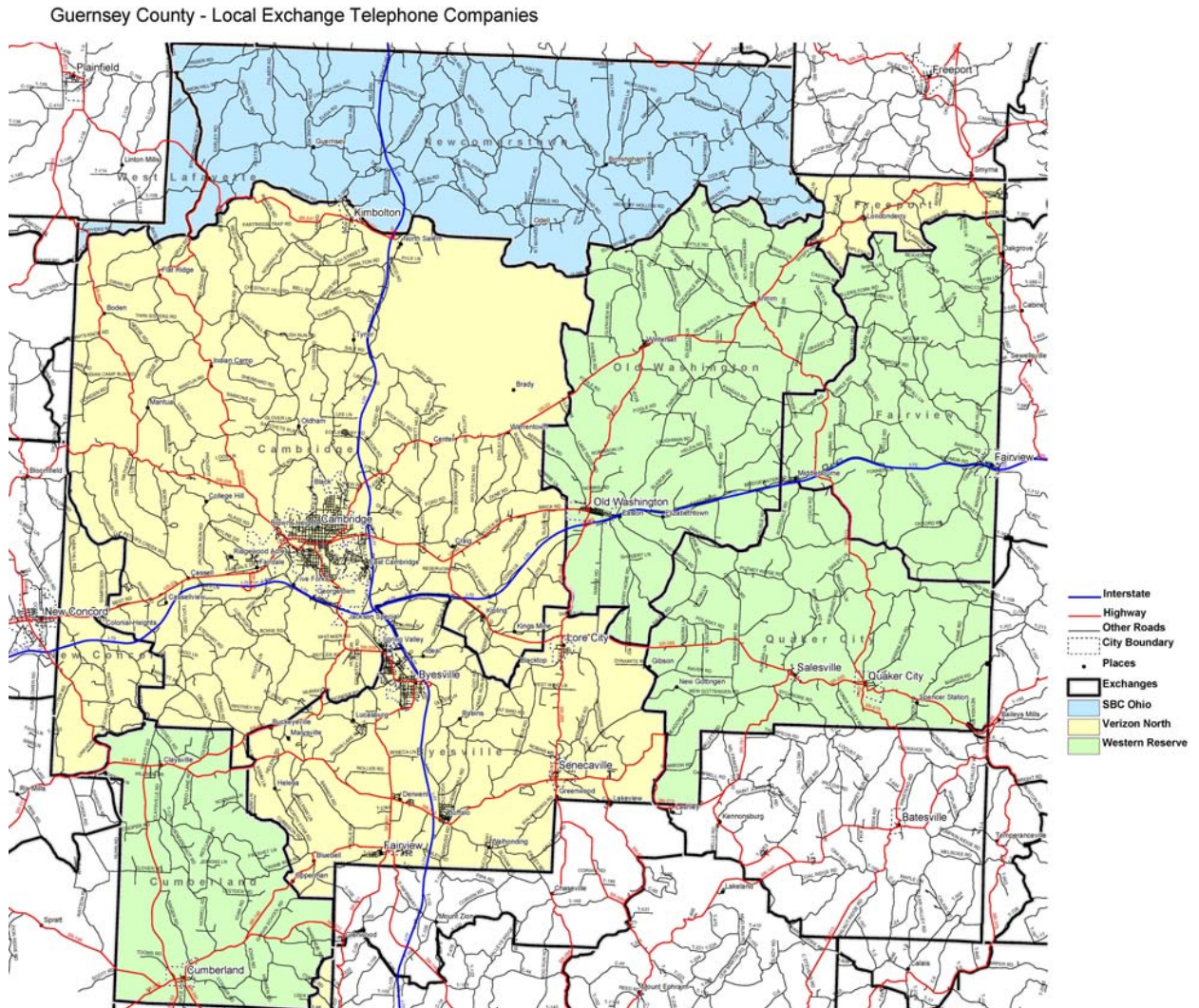
- Columbia
- Piedmont
- Piedmont & Columbia
- Piedmont & NIED
- NIED & Columbia
- Township
- City Boundary
- Place
- Main Road
- Secondary Road





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Attachment 3



Area Code 740

Byesville Exchange of Verizon North - 685

Cambridge Exchange of Verizon North - 432 - 435 - 439

Cumberland Exchange of Western Reserve - 638

Fairview Exchange of Western Reserve - 758

Newcumerstown Exchange of SCB - 498

Old Washington Exchange of Western Reserve - 489

Quaker City Exchange of Western Reserve - 679

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