

Emergency Support Function (ESF) #12 Energy

Lead Coordinating Agency	Green County Emergency Management
Primary Agencies	Municipal Public Works & Utilities including: New Glarus Light and Water Department Brodhead Water and Light Commission
Support Agencies	Green County Sheriff's Office Municipal Law Enforcement Green County Highway Department Green County Health Department Commercial Energy/Fuel Providers Alliant Energy Wisconsin Gas Company – WE Energies Northern Natural Gas Enterprise/Mid-American Pipeline Energy Industry Organizations Midwest Reliability Organization American Transmission Company Midwest Independent Transmission Operator Private Fuel Providers

I. INTRODUCTION

A. Purpose

ESF 12 will coordinate the activities of energy and utility organizations responding to and recovering from fuel shortages, power outages, and capacity shortages during an emergency or disaster. Provides for the effective use of available electric power, natural gas, and petroleum products in ways that meet essential needs and facilitate restoration of energy systems affected by an emergency. Coordinates 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 stabilize the community functions.

B. Scope

ESF 12 describes the lead coordination roles, and the division and specification of responsibilities among county agencies and supports Green County departments and agencies to obtain fuel for transportation, communications, emergency operations and other critical facilities. ESF 12 provides for the Assessment of energy systems and utilities damaged, supply, demand and requirements to restore such systems.

II. POLICIES

- A. For the purposes of this ESF 12, the term energy in energy emergency applies to electrical power, natural gas, petroleum, coal, and nuclear energy.
- B. Green County has no regulatory responsibilities' over private utility providers. Utility providers have established emergency plans and procedures. Green County will assist in the response of utility providers through escort, traffic control, debris removal, support and constant coordination to provide information to elected officials and the public as to restoration timeline.
- C. Wisconsin Statutes 16.955 authorizes the Governor to declare an energy alert. Once declared, the Department of Administration may compel energy producers, importers or sellers to furnish information on existing and future fuel supplies and anticipated fuel demands. Electricity, natural gas and wood fuels are excluded from this authority. In addition, under, 16.95(12), Wis. Stats., the DOA is to "Prepare and maintain contingency plans for responding to critical energy shortages so that when the shortages occur they can be dealt with quickly and effectively."
- D. The Public Service Commission will coordinate any energy-related activities of other state agencies during an energy emergency. Those state agencies with additional authority will be notified to implement their energy emergency plans.
- E. If an energy emergency should occur, the Governor may ask the public to institute voluntary measures that conserve energy and ensure supply to critical facilities. The Public Service Commission would work with other agencies to identify the appropriate conservation measures. Mandatory energy reduction measures would only be implemented as necessary.
- F. If allocation of energy resources is required, priority will be given to the economic well-being, health or welfare of the citizens of this state.

III. CONCEPT OF OPERATIONS

A. General

- 1. While restoration of normal operations at energy facilities is the primary responsibility of these facilities, ESF #12 provides the appropriate technical assistance, support and resources to enable restoration in a timely manner.
- 2. Energy and utility resources will be used to meet immediate local needs. If shortages exist, requests to meet needs will be submitted through the EOC. Actions may be taken to curtail use of energy, water or other utilities until normal levels of services can be restored or supplemented. These resources, when curtailed, will be used to meet immediate and essential emergency needs for public safety and health.

B. Energy Industry Organization

1. The electric power industry within Wisconsin participates in two Regional Reliability Councils recognized by the North American Electric Reliability Council (NERC). Reliability First covers the southeast region of Wisconsin and the area around Green Bay. The Midwest Reliability Organization covers the remainder of the state. The Regional Reliability Councils are dedicated to maintaining electric reliability throughout their areas of operations and would be a major responder in the event of any energy emergency impacting the electric system.
2. The American Transmission Company is responsible for maintenance and operation of the transmission lines which deliver bulk electric power to the eastern two thirds of Wisconsin, and Dairyland and Xcel Energy are responsible for the Western part of Wisconsin. At a local level, power is distributed by investor-owned utilities, municipal utilities and cooperative utilities to individual end users.
3. The Midwest Independent Transmission System Operator (MISO) is a multi-state organization that is responsible for reliability of the electric transmission grid. MISO instructs the local electric utilities how to dispatch generation.
4. Natural gas enters Wisconsin through five (5) major interstate pipeline systems. Local distribution companies deliver gas to consumers. Large industrial and commercial users have the option to purchase their natural gas supplies independently and contract separately for delivery. Like emergency electric generation, this portion of the gas supply is unregulated and less amenable to control in an emergency situation.
5. Refined petroleum products enter the state primarily from pipelines, and also by trucks and rail.

C. Phases of Emergency Management

The following activities will be performed by primary, support and private agencies as appropriate.

Mitigation and Preparedness

1. Personnel with supervisory, command level responsibility or who may be working in the EOC from county agencies, municipalities, villages and cities, should register on Esponder and request permission to access the Green County site. The State may require state assets to be requested from the site as well as obtaining the county's emergency plans and other emergency planning resources.
2. Participate in exercises and trainings to support ESF 12 and the Green County Emergency Response Plan for the purpose of developing and testing abilities to make effective response to various types of emergencies.

3. Green County Emergency Management will maintain an inventory of available fuel supplies maintained by county and municipal government agencies. This inventory will also include the agencies that receive their fuel from these sources.
4. Green County Emergency Management will maintain a resource list of private fuel providers, which would include an average daily inventory of fuel supplies, if they provide fuel for any government or response agencies and if they have a generator to pump fuel if the electricity should fail.
5. Identify areas where memoranda of understandings are needed.
6. Coordinate information to the public on how to cope with the energy emergency through the established public information processes.
7. Meet with utility/energy providers to learn about their emergency response procedures.

Response

1. If necessary, implement mandatory measures approved by the State or by the Governor.
2. Compile damage assessment estimates with inputs from energy, utility and transportation companies.
3. Closely coordinate with emergency responders and utility companies to maintain and plan for adequate fuel supplies
4. Locate alternate sources of fuel if local reserves may become depleted
5. Assist with energy issues regarding emergency response equipment, such as electric generators or heating units, primarily related to assuring the availability of adequate fuel supplies.
6. Coordinate public information concerning energy, utilities, and petroleum with WEM.
7. Coordinate county and local agency emergency utility resources as requested by Wisconsin Emergency Management.
8. Coordinate local and private emergency supplemental energy and utility resources as requested.

Recovery

1. Compile damage and operational capability information from energy and utility companies. Update this information as needed.
2. Recommend, in accordance with the Governor's emergency powers, with 323.10 Wis. Stats., priorities among users if adequate energy resources are not available to meet all essential needs.

3. Coordinate supporting resources for energy infrastructure restoration and repair to meet essential needs.
4. Coordinate allocation of energy resources to the extent possible and necessary.
5. Coordinate targeted energy conservation and efficiency programs to enhance recovery activities.
6. Work with the State to implement state emergency response plans at the local level.]
7. Coordinate with WEM to prioritize requests for support.
8. Coordinate with support agencies to deal with long term impacts and develop a long term recovery plan.

IV. ORGANIZATION AND RESPONSIBILITIES

All Agencies

1. All primary and support agencies will operate under NIMS and the Incident Command System and ensure personnel are properly trained in ICS and EOC operations. Volunteer agencies, along with their volunteers will also operate under NIMS and ICS and use plain language – no ten codes.
2. All agencies responding to the emergency/disaster will document all costs associated with response and recovery activities (separate from normal, daily work) in the event that state and federal reimbursement becomes available
3. All agencies providing services to the emergency/disaster shall participate in an after action review. These agencies should also review and make any necessary updates/improvements to their emergency plans and assist making updates/improvements to the county's emergency response plans.

A. Primary Agency

Green County Emergency Management

1. Notify appropriate support agencies to send a representative to the Green County EOC.
2. Notify Wisconsin Emergency Management Duty Officer and Southwest Regional Director.
3. Notify the appropriate utility provider(s) of EOC Activation and request them to report to the Green County EOC.
4. The reporting utility provider may be asked to coordinate ESF #12 activities.

B. Support Agencies**Public Service Commission**

In the event of an energy emergency, the PSC will provide the following services, necessary materials and equipment and other activities as necessary.

1. Work with all affected stakeholders to compile estimates of the extent of damage to energy delivery systems such as pipelines, transmission lines, fuel terminals, rail lines, etc.
2. Request and analyze current information regarding energy supply and demand.
3. Identify critical demand and supply needs for high risk/priority customers and producers.
4. Coordinate with county and local agencies to assist with the emergency.
5. Coordinate with energy producers and providers to identify critical repair requirements.
6. Coordinate with local jurisdictions to establish damage repair priorities. The Public Service Commission will use all sources available including the DOA-OEI's State Energy Assurance Plan which outlines the resources available to address this issue.
7. Coordinate the supply and distribution of temporary or alternate energy sources.
8. Implement and coordinate emergency measures to reduce demand with an emphasis on voluntary measures.

Commercial Energy/Fuel Providers

1. Activate emergency plans for restoration of services and coordinate these activities with the Green County EOC.
2. Gather, assess and share information on system damage, the impact of the outage in the affected area(s) and timeline on projected restoration.
3. Provide, as required a PIO to the JIC, if opened, and coordinate with the Green County PIO to provide information on restoration of services and other pertinent emergency information.

Municipal Public Works and Utilities

1. Gather, assess and share information on system damage, the impact of the outage in the affected area(s) and timeline on projected restoration.
2. Maintain and control water, sewer and solid waste systems. Perform damage assessment on these systems and report them to the Green County EOC.

3. If there is a shortage of energy, monitor utility systems and procedures to ensure coordinated statewide action; maintain operations to provide for immediate and essential emergency needs.
4. Coordinate with appropriate commercial utility providers to obtain information about damage and/or assistance needed in their areas of operation.
5. Monitor fuel reserves to ensure minimal operations to protect public safety and health.

Private Fuel Providers

1. Report to the Green County EOC, damages to facility that would impair fuel availability or delivery and provide operational capability reports.
2. Comply with local and state agencies requests to curtail customer demands or loads, restoration of services, and provision of emergency services and fuel for other utilities, systems and emergency responders.

Municipal and County Law Enforcement

1. Provide security and public protection at private fuel providers if needed to stop/curtail public demands for fuel if shortages require emergency allocations of fuel.
2. During emergency or disaster provide services in accordance with ESF #13.
3. Provide escort services for utility providers if needed.

Green County Highway Department

1. Monitor fuel reserves and coordinate with fuel providers to maintain adequate supply of fuel.
2. If shortages occur comply with procedures to allocate fuel to maintain critical services.
3. Assist utility providers to clear debris and other activities in ESF # 3.

Green County Public Health Department

1. In accordance with ESF #8 the disaster/emergency may impact services provided by medical providers, environmental hazards due to wastewater facilities not properly functioning, food preservation etc. Respond in accordance with ESF #8.

V. PLAN MAINTENANCE

- A. Green County Emergency Management, in coordination with the lead agencies are responsible for the development, annual review/updating of ESF-8, its attachments and distribution. Each agency/service with emergency assignments is responsible for assisting with the development and maintenance of their own portion of ESF-8, the appropriate attachment, and their own SOGs. Each agency/service is also responsible for assigning personnel, equipment, and providing training necessary to carry out emergency functions. All agencies/services shall provide current personnel/equipment resource lists to the Green County Emergency Management office upon request.

- B. This ESF will be reviewed at least annually and updated based on deficiencies identified by drills and exercises, post-disaster critiques, self-assessments, audits, administrative reviews, changes in local government structure, technological changes or any other reasons that necessitate revisions. Copies will be available to copyholders of record by downloading them from Esponder, website; www.greencountyem.org or requesting a copy from Green County Emergency Management.

VI. REFERENCES

- A. See Basic Plan

- B. Wisconsin State Statutes 323.10