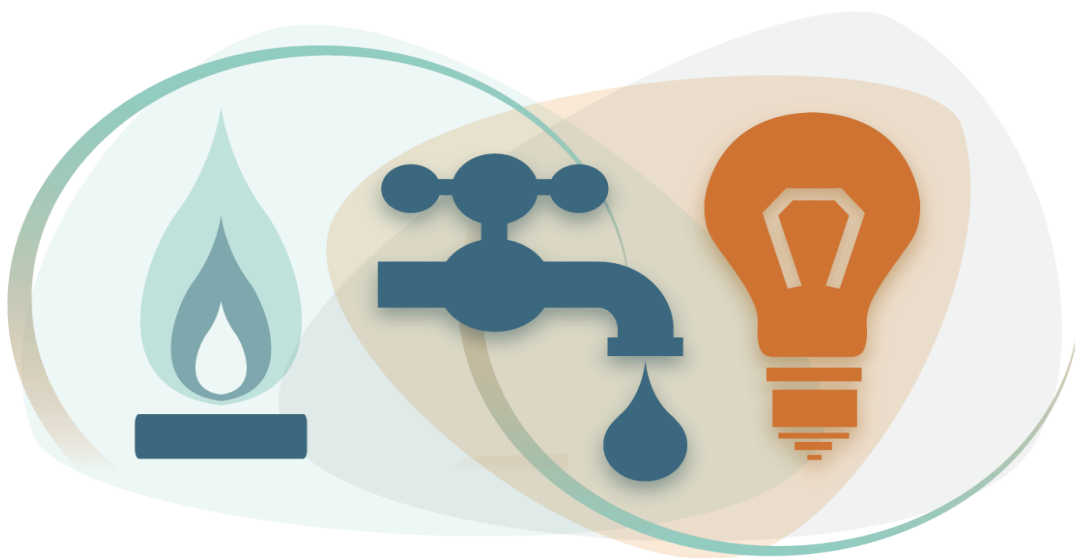


Poweshiek County Emergency Management Agency

Emergency Support Function 12

Energy

2023



Poweshiek County Emergency Management Commission

Plan Adoption Document

2023

We hereby certify that the attached/enclosed plans, portions of plans or Emergency Support Functions (ESF) to the Poweshiek County Comprehensive Emergency Response Plan have been approved and adopted by the members of the county Emergency Management Commission on this the 24th day in the month of May in the year 2023. This plan shall become part of the county emergency response and emergency operations plan once adopted.

Plans or ESFs Adopted:

ESF 11: Agricultural and Natural Resources, including all appendices and attachments

Dawn Hamilton
Chairperson, Emergency Management Commission

5-24-23
Date

Dawn Hamilton
Chairperson, EMC-Printed

Brian Paul
Coordinator, Emergency Management Agency

5/24/23
Date

Brian Paul
Coordinator, EMA-Printed

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Appendices:

1. Contacts
 - Local Utility Contacts
 - Statewide contacts
2. ESF 12 Checklists
 - Responsibilities
 - ESF 12 Representative EOC Operations Checklist
3. Mapping
 - Electric Utility Service Map
 - Pipeline Map
 - Windmill Maps
4. Mutual Aid
 - Iowa Utility Mutual Aid Program
 - Public Utility Mutual Aid Program
 - Model Emergency Utility Assistance Agreement

Record of Changes

Change Number	Date of Change	Date Entered	Change Made by (Signature)

Primary and Supporting Agencies

ESF Coordinator: Poweshiek County Emergency Management Coordinator

Primary Agencies

Primary agency that will take the lead in developing and implementing this ESF

Poweshiek County Emergency Management Agency

Alliant Energy, Brooklyn Municipal Utilities, MidAmerican Energy, REC/TIP, City of Montezuma Municipal Light and Power, and Pella Cooperative Electric.

Support Agencies

Major agencies that will support the primary agencies

City/County

City Public Works Departments

Secondary Roads Department

Public Information Officer

State

Iowa Department of Public Safety

Iowa Department of Transportation

Iowa Homeland Security and Emergency Management

Iowa Utilities Board

Federal

Department of Energy

Department of Homeland Security

Nuclear Regulatory Commission

Other

Mutual Aid Partners

Purpose

Why are we doing this plan?

Emergency Support Function (ESF) 12 – Energy is intended to facilitate the restoration of damaged energy systems and is an integral part of the larger Iowa Department of Energy responsibility of maintaining continuous and reliable energy supplies for Iowa through preventive measures and restoration and recovery actions.

ESF 12 establishes activities of the energy organizations and utilities in responding to and recovering from fuel shortages, power outages and capacity shortages which impact or threaten to impact Poweshiek County citizens and visitors during and after a disaster situation.

Expedient recovery is dependent upon the restoration of power to homes and businesses. Power outages are usually caused by major disasters such as tornadoes or other severe weather. However, other events such as fuel shortages, civil disturbances, disruption of transmission and distribution systems or power generating plant failure may also cause temporary disruption of power.

ESF 12 can provide personnel and resources to support prevention, preparedness, protection, response, recovery and mitigation in support of the primary emergency management objectives.

For the purpose of this ESF, energy includes producing, refining, transporting, generating, transmitting, conserving, building, distributing, maintaining, and controlling energy systems and its components.

ESF 12 functions include:

- Energy infrastructure assessment to include collecting, evaluating, and sharing information on energy system damages and estimations on the impact of system outages within the county.
- Facilitating the repair and restoration of energy systems through legal authorities and waivers.
- Providing technical expertise to the utilities, conducting field assessments, and assisting government and private stakeholders in restoring energy lines of communications.

Scope

What does this plan cover?

- Conducting damage assessments to energy systems.
- Restoration requirements to damaged systems.
- Assistance in obtaining fuel for transportation and emergency operations.
- Recommendations for fuel conservation.
- Providing technical assistance involving energy systems.
- Processing all fuel and power assistance requests received.
- 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 international political events.
- Addresses the impact that damage to an energy system within and outside the county that may have on energy supplies, systems, and components in other regions relying on the same system.
- Performs the county coordination role for supporting the energy requirements associated with regard to local events.
- Serves as the primary county point of contact with the energy industry for information sharing and requests for assistance from private- and public-sector owners and operators.
- Maintains lists of energy-centric critical assets and infrastructures, and continuously monitors those resources to identify and mitigate vulnerabilities to energy facilities.

Policies

What authorities are in place that will govern response?

Iowa Code Chapter 29C: Emergency Management

This ESF plan applies to Poweshiek County, all incorporated cities, non-governmental and private sector entities with assigned emergency responsibilities in this plan.

The ESF Coordinator and the support agencies are critical members of the EOC team and will work within the EOC structure as described in ESF 5-Incident management. Each agency and organization is responsible for ensuring that reporting staff are adequate and available to support the EOC and that individuals reporting are knowledgeable of resources and capabilities of their respective agency or organization, authorized to carry out the activities tasked to their agency or organization

Primary and support agencies will develop and maintain their internal procedures and support materials necessary to fulfill their responsibilities under this plan.

Situation and Planning Assumptions

Situations

- The potential for widespread loss of power is relatively high in Poweshiek County due to the frequency of severe weather.
- Loss of power to large areas of Poweshiek County may require that shelters be opened and some basic services be provided.
- County wide disruption of energy supply lines will hinder critical services to the public.
- Assistance from the Iowa Department of Energy is available.

Planning Assumptions

- Energy outage restoration will require private-public partnership.
- Restoration may require assistance from outside the county.
- Disruptions outside the county may also cause outage or reduction of available power within the county.
- Critical infrastructure and services will require self-reliance using emergency generators until restoration is obtained.

- Many of Poweshiek’s utility groups have existing mutual aid agreements and compacts through the Iowa Association of Municipal Utilities (IAMU) and Iowa Association of Electrical Cooperatives (IAEC)

Concept of Operations

This section will describe how the primary and support agencies will organize and work to support the overall response effort

General

The Poweshiek County Emergency Management Agency will coordinate the damage assessment, repair, and restoration of energy services in a timely manner.

The principal activities include:

Damage Assessment Activity

Coordinating the collection of damage information, its assessment, and sharing such information regarding the disruption of power and the restoration of services is critical to recovery efforts. Initial damage assessments will identify the areas and types of utility outages.

See ESF 14 – for additional information on damage assessment activities.

Restoration of Lifelines Activity

Coordinating and prioritizing local efforts of repairing and restoring energy systems working cooperatively with Federal, State, local, and private partners. Technical and subject matter expertise may be provided by an appropriate person(s) from a supporting agency with skills pertinent to the type of event.

Restoration Priorities

1. Hospitals/Medical Centers
 - Unity Point Grinnell Regional Medical Center
 - University of Iowa Dialysis Clinic-Grinnell
2. Emergency Communications/Emergency Operations Centers
 - Poweshiek County Dispatch Center
 - Poweshiek County EOC/Grinnell EOC
3. Public Works - Water and wastewater pumping facilities
 - City of Grinnell Water Treatment Facility

- City of Montezuma Water Treatment Facility
 - City of Brooklyn Water Treatment Facility
 - Poweshiek County Rural Water
4. Fire, Emergency Medical Services, and Law Enforcement facilities
- Grinnell Public Safety Building
 - Brooklyn Public Safety Building
 - Montezuma Fire/EMS Dept
 - Hartwick Fire Dept
 - Malcom Fire Dept
 - Deep River Fire Dept
 - Searsboro Fire Dept
5. Evacuation Shelters
- It should be noted shelter locations do not have backup generators, so prolonged outages will require portable generators
- See ESF 6 for sheltering sites.
6. Nursing/Assisted Living Homes
- See ESF 8 for nursing home and assisted living sites
7. Public Health
- Poweshiek County Public Health Dept
8. Key government, public, and private facilities
- All municipal City Hall/Offices
 - Schools
 - Poweshiek County Courthouse
 - Large private industry
9. Outpatient Clinic – Medical Offices-Pharmacy

10. See ESF 8 for medical clinics/office sites.

Mutual Aid

In the true spirit of cooperation, IAMU and IAEC members participate in Mutual Aid programs providing disaster assistance to any member community in need of emergency support participating electric, gas, and broadband utilities stand ready with backup equipment, materials, and personnel to ensure the continuation of service to customers and timely return of service to critical infrastructure and customers during the most adverse conditions.

IAMU Region 5 Mutual Aid Coordinators

Electric

Primary: Kevin Kudart (515) 372-0062

Secondary: Nate Spurgeon (641) 629-0205

Gas

Primary: Barry Leichty (319) 750-6124

Secondary: Troy Meldrem (641) 990-1185

Regional Electric Outage Contact- Initiation of APPA Mutual Aid Playbook

Dave Hraha (515) 210-8567

Organization

The Poweshiek County ESF 12 Coordinator will attend meetings and exercises, participate in planning workshops, and develop an expertise on county and regional energy issues.

Roles and Responsibilities

ESF 12 Coordinator

The coordinator has ongoing responsibilities throughout the preparedness, response, recovery, and mitigation phases of incident management. The role of the coordinator is carried out through a “unified command” approach as agreed upon collectively by the designated primary agencies.

Responsibilities of the coordinator include:

- Pre-incident planning and coordination.
- Maintaining ongoing contact with primary and support agencies.
- Conducting periodic meetings and conference calls.
- Coordinating efforts with corresponding private-sector organizations.

- Coordinating activities relating to catastrophic incident planning and critical infrastructure preparedness as appropriate.
- Activates appropriate support agencies.
- Coordinates government logistical and fiscal activities supporting associated priorities and activation.
- Plans and supports regular meetings with the primary and support agencies related to preparedness, response, and recovery activities.
- Ensures support agencies are informed and involved in all meetings.
- Ensures primary and support agencies are reconvened post-demobilization to critique preparedness, response, recovery, and mitigation activities and develop an improvement action plan to address identified issues.
- Maintains current list of energy system locations.
- Prepares and provides information for Poweshiek County residents regarding energy outages.
- Acts as local government advisor on energy related issues.

Primary Agencies

When activated in response to an incident, the primary agency is responsible for:

- Conducting response operations within their functional area for an affected area.
- Providing staff for the operations functions at the designated locations.
- Notifying and requesting assistance from support agencies.
- Managing mission assignments and coordinating with support agencies, as well as appropriate local jurisdictions.
- Working with appropriate private-sector organizations to maximize use of all available resources.
- Supporting and keeping all organizational elements informed of operational priorities and activities.
- Procuring goods and services as needed.
- Ensuring financial and property accountability for activities.

- Planning for short-term and long-term incident management and recovery operations.
- Maintaining trained personnel to support interagency emergency response and support teams.
- Ensuring coordination with the Poweshiek County Emergency Operations Center.
- Coordinating security for critical energy system components.
- Coordinating media interviews, if allowed, with the Public Information Officer.

Support Agencies

When activated in response to an event, threat, or incident, support agencies are responsible for:

- Conducting support operations using their own authorities, subject matter experts, capabilities, or resources.
- Participating in planning for short-term and long-term incident management and recovery operations.
- Assisting in the conduct of situational assessments.
- Furnishing available personnel, equipment, or other resource support as requested by the primary agency.
- Providing information or intelligence regarding their agency's area of expertise.

Organizational Structure

The National Incident Management System will be utilized during incidents. See the Poweshiek County Basic Plan - Concept of Operations.

An effective span of control is maintained by consolidating agencies with emergency responsibilities into groups with an internal management structure. Each of the branches is consolidated in the Emergency Operations Center during activation to insure coordination among the various organizations.

Most primary and supporting agencies have only one or two personnel assigned to the Emergency Operations Center during emergencies. Each is assigned a place on the floor plan that corresponds to the ESF in which his/her primary responsibilities lie.

The Emergency Operations Center Manager will staff the Emergency Operations Center as needed depending on the size and scope of operation. The Emergency Operations Center will support the Incident Commander and assist with resource prioritization and resource management.

Information and mission assignments flow between the branches through the Section Chiefs and from the Section Chiefs through the Emergency Operations Center Director.

This ensures that Emergency Management is able to maintain an accurate assessment of the disaster situation and is able to develop short-range and long-range planning guidance for use by other potentially affected ESFs within the Emergency Operations Center. See ESF 5 – Emergency Management.

See figure below for the coordination flow in Incident Command Post and the Emergency Operations Center.

Emergency Operations Center (EOC)

Poweshiek County has two (2) identified locations for Emergency Operation Centers. Each location is outside of a flood plain, and have been built to withstand most natural hazards. Each location has a backup generator and fuel source. Sustenance can be provided by an internal agency if and when needed. The determination of which EOC to use will be up to the Incident Commander and EOC director. These positions will confer with one another and make the decision to use the EOC that will best serve the incident location.

**Poweshiek County Public Safety Building
4802 Barnes City Rd
Montezuma, IA 50171**

**Grinnell Public Safety Building
1020 Spring St
Grinnell, IA 50112**

Activation of the EOC

The EOC may be activated at any time field response agencies need support. Activated EOC's may be fully or partially staffed to meet the demands of the situation. The EOC should be activated for an impending or declared "State of Emergency". An Emergency situation that has occurred or might occur of such a magnitude that will require large commitment of resources from two or more public safety departments over an extended period of time. Examples may include: a major hazardous materials spill, severe weather conditions, long term power disruptions, missing persons, or transportation disasters.

Authorization- The following individuals may request the EOC be activated

- Emergency Management Coordinator/Designee
- Chief elected official/designee
- Incident Commander

Notification procedure

Requests to activate the EOC will be made through the Poweshiek County Dispatch Center. The Dispatch Center maintains contact information and notification procedures for all jurisdictions within the county. A list of contacts will be kept with this manual outlined in **Appendix 1**.

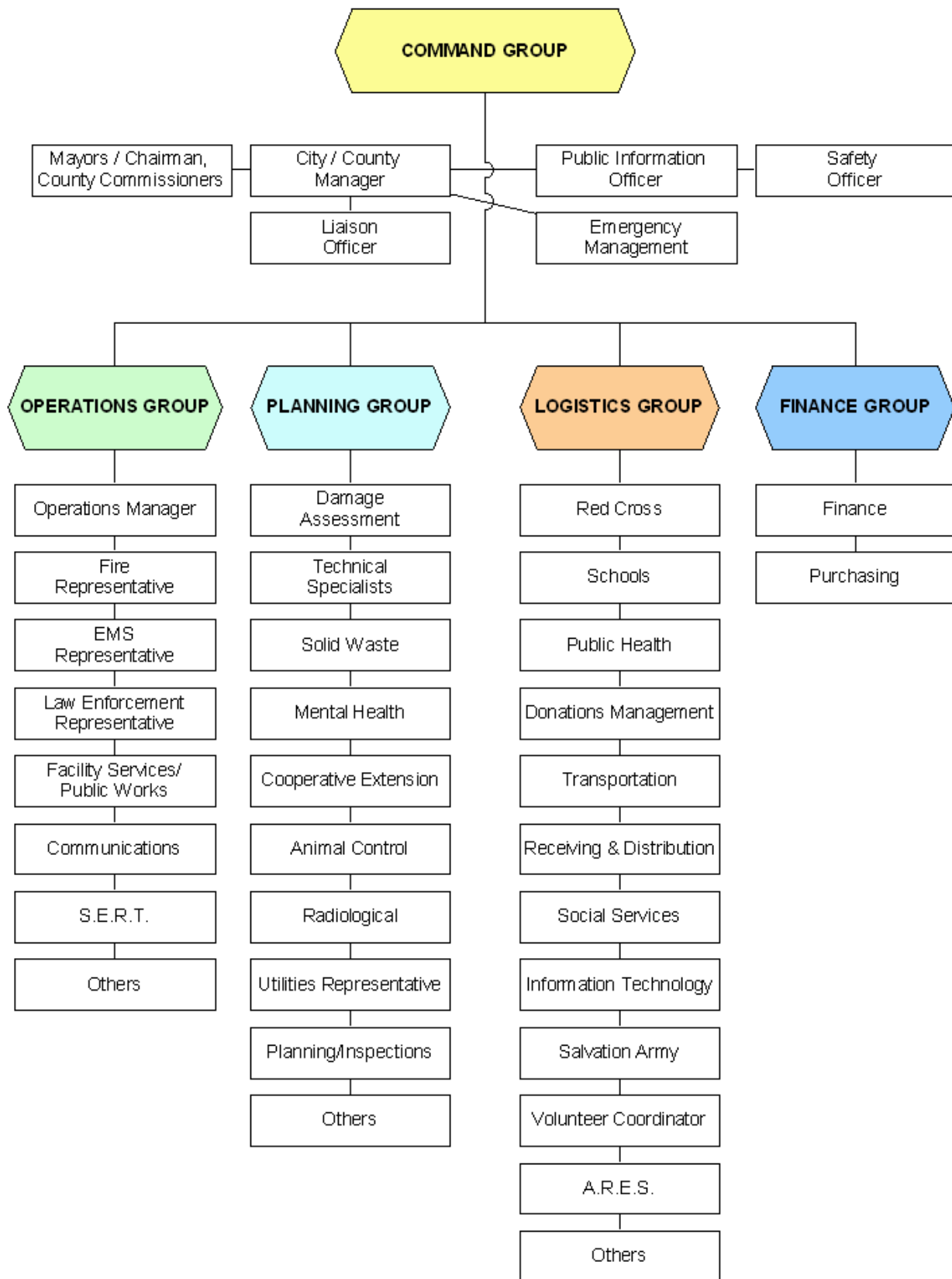
Initial Reporting Personnel Requirements

When the EOC activation is requested the **MINIMUM** reporting personnel requirements to the EOC include:

- Emergency Management Coordinator/Designee
- Chief Elected Official/Designee of the requesting agency jurisdiction
- Representative from the primary response agency
- Emergency Support Function (ESF) Coordinator as determined by the response type
- Other personnel requested specifically by the authorizing entity activating the EOC

Subsequent notifications to personnel requested to report to the EOC will be determined on an assessment of the situation by the above staff, and will be the responsibility of the above staff to notify the appropriate personnel or agencies to report to the EOC.

To be consistent with ICS principles, a graduated approach to managing emergencies and disasters will be used. As the scope and complexity of the situation escalates, staffing levels within the EOC will increase as needed.



Primary Agency Functions

Agency	Function
Poweshiek County Emergency Management Agency	• Serves as the focal point for issues and policy decisions relating to energy response and restoration efforts. • Collects, assesses, and provides information on energy supply, demand, and market impacts; and contributes to situation and after-action reports. • Identifies supporting resources needed to restore energy systems.
Alliant Energy, Brooklyn Municipal Utilities MidAmerican Energy, REC/TIP, City of Montezuma Municipal Light and Power, and Pella Cooperative Electric	• Provides technical expertise on power utility assessment, repair, and restoration. • Repairs and restores equipment and systems. • Assists in coordination of other ESFs. • Provides assessment on local impact of power outages within and outside the local region. • Assesses energy system damage and monitors repair work

Support Agency Functions

Support Agencies: Support agency representatives will provide technical expertise, personnel, teams and equipment in support of the assessment, repair, and restoration of energy systems.

Note: Support agencies are not listed in order of priority. They are all in support of the primary agency.

City/County Agencies	Functions
Local Public Works Secondary Roads	• Provides additional staff and resources • Provides up to date information on public works infrastructure and impact on the community • Assists with debris removal that may impact utility infrastructure
Public Information Officer	• Responsible for the collection, coordination, and dissemination of emergency public information material to the resident and transient population. • Coordinates all public information activities with the Incident Command Post and the Emergency Operation Center. • Coordinates a disaster hotline through community service agencies, 211, or volunteers. Ensure those locations have up to date information.
State Agencies	Functions
Iowa Department of Public Safety	• Provides additional law enforcement capabilities. • Coordinates traffic information with the Department of Transportation on road conditions/closures hotline for services for public and emergency access. • Provides a teletype service for law enforcement agencies for road closure and detour information.

	Routes of travel may be identified. Establishes control points for traffic control, assists in maintaining order, obtains medical help, and direct emergency vehicles to the proper destination within and around the disaster area.
Iowa Department of Transportation	- Provides updated information on road conditions, load bearing capacities and usability to support utility repair crews. - Maintains road condition/closure website. - Provides equipment and manpower to maintain or repair roads and bridges to usable condition in support of utility repair crews. - Personnel may assist in traffic control by erecting barricades, warning lights and signs, or providing manpower. - Assists in debris removal that may impact on distribution systems or repair and restoration of utilities.
Iowa Homeland Security and Emergency Management	- Responsible for the overall emergency coordination of state assistance if a multiple state agency response is required. - Maintains situational awareness and the Common Operating Picture. - Provides logistical support for coordinating mobilization centers/staging areas, transportation of resources, public health and medical elements, disaster fuel contracts, emergency meals, potable water, base camp services, supply and equipment resupply, and use of all State contracts and interagency agreements managed by the Iowa Homeland Security for response operations. - Assists in coordinating to support provide temporary power of critical infrastructure, hospitals, nursing homes, schools, and shelters.
Iowa Utilities Board	Regulates various aspects of electric, natural gas,

	communications, and water utilities and generally supervises all pipelines and the transmission, sale, and distribution of electrical current. • Has general jurisdiction over gas utilities furnishing natural gas by piped distribution. • Enforces safety and engineering standards.
Federal Agencies	Functions
Department of Energy	• Serves as the focal point for issues and policy decisions relating to energy response and restoration efforts. • Assesses energy system damage and monitors repair work. • Collects, assesses, and provides information on energy supply, demand, and market impacts; and contributes to situation and after-action reports. • Identifies supporting resources needed to restore energy systems. • Deploys response teams as needed to affected area(s) to assist in response and restoration efforts.
Department of Homeland Security	Federal Emergency Management Agency Citizen Corps: • Involves community members in all-hazards emergency preparedness, planning, mitigation, response, and recovery.
Nuclear Regulatory Commission	• Regulates the Nation's civilian use of nuclear fuels and materials to include commercial nuclear power plants • Provides information and technical assessment regarding nuclear power plants.
Other	

Private/Public Utility Companies

- Provide liaison to the County Emergency Operations Center regarding technical expertise on power utility assessment, repair, and restoration.
- Repair and restore equipment and systems.
- Provide damage assessments on local impact of power outages within and outside the local region.
- Coordinate receiving or providing assistance from or to other counties regarding power assessment, repair, and restoration.

ESF Development, Testing, and Maintenance

Refer to the Poweshiek County Basic Plan for ESF development, testing, and maintenance.