



RECOVERY SUPPORT FUNCTION 2

Infrastructure Systems



Poweshiek County Emergency Management Commission

Plan Adoption Document

2025

We hereby certify that the attached/enclosed plans, portions of plans or Recovery Support Functions (RSF) to the Poweshiek County Comprehensive Recovery Plan have been approved and adopted by the members of the county Emergency Management Commission on this the 23rd day in the month of April in the year 2025. This plan shall become part of the county recovery and Comprehensive Plan once adopted.

Plans or RSFs Adopted:

RSF 2: Infrastructure Systems

Dawn Hamilton
Chairperson, Emergency Management Commission

4-23-25
Date

Dawn Hamilton
Chairperson, EMC-Printed

Brian Paul
Coordinator, Emergency Management Agency

4-23-25
Date

Brian Paul
Coordinator, EMA-Printed

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Introduction

Recovery Support Function (RSF) 2: Infrastructure Systems Annex to the Poweshiek County Disaster Recovery Plan (DRP) serves to identify a range of actions specific to support and coordinate recovery efforts from disasters and incidents that have a long-term or vital impact to Poweshiek County. This RSF provides partners, nongovernmental organizations, community leaders, and the Recovery Task Force with operational guidance necessary to support recovery activities in the aftermath of a disaster or large-scale emergency. This document is a living document and Poweshiek County Emergency Management will identify future recovery issues as they occur and will revise this document as necessary.

Purpose

The purpose of this Annex is to outline the roles, responsibilities, and activities of the agencies and individuals supporting this Annex for pre and post event recovery operations. The purpose of this document is to coordinate public, private, and non-profit efforts to maintain and restore facilities, infrastructure systems, and related services located in Poweshiek County. In the context of this Annex, infrastructure systems refer to utilities, transportation, public and private communications, and government or civic facilities recovery. This includes the coordination efforts between local government, State and Federal government, and key private sector partners.

Scope

The scope of this Annex is to provide a framework for coordinating efforts during recovery. This includes coordination by the Primary and Support Agencies with local government, the Recovery Task Force, public and private sector, nonprofits, and State and Federal governments when applicable.

Planning Assumptions

- Disaster occurs in Poweshiek County in both incorporated and unincorporated areas, sometimes simultaneously. Damage from these incidents may be localized or widespread and may cause the disruption of normal life support systems, critical infrastructure, and have regional economic, physical, and social consequences.
- Local jurisdictions will have primary responsibility for recovery operations. County agencies and partners will provide support and technical assistance as needed.
- Recovery activities will be initiated concurrently with response activities and will occur in short, intermediate, and long-term phases.
- Recovery will be managed at the jurisdictional and county levels simultaneously. As local capabilities or resources are exceeded, the state will be requested to provide support.
- All agencies, private sector partners, and non-profits involved in recovery efforts should be familiar with the Poweshiek County Disaster Recovery Plan and develop their own internal mechanisms for activating resources and personnel.
- Poweshiek County has adopted NIMS/ICS and will incorporate the elements outlined in NIMS and ICS to efficiently manage emergencies and disasters.

Responsibilities

Primary Agencies

Poweshiek County Emergency Management
Poweshiek County Engineer/Secondary Rds
Municipal Public Works

Support Agencies

Poweshiek County Conservation
Municipal Parks/Rec Departments
Municipal Building/Zoning Department
Iowa Dept of Transportation
Iowa Dept of Natural Resources
Public/Private Sector Utility providers
Private Sector Communications providers
Critical Facility Representatives/Liaisons

Concept of Operations

General

During recovery efforts, primary and supporting agencies will support an organizational structure to maintain or revitalize systems and assets whether physical or virtual so vital to the count that the incapacity or destruction of such may have a debilitating impact on the security, economy, public health or safety, environment, or any combination of these matters across Poweshiek County

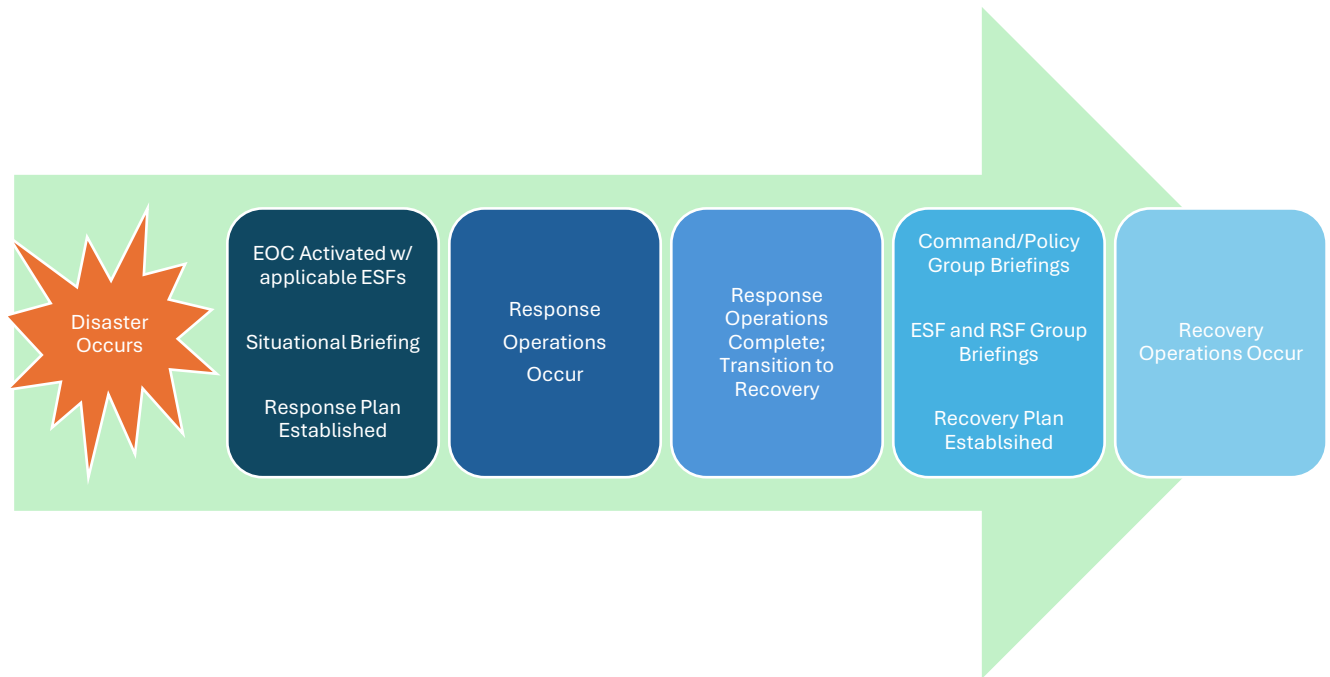
Organization

Depending on the type, severity, and magnitude of the disaster or emergency event, the Poweshiek County Emergency Operations Center (EOC) may be activated for the coordination of resources necessary to respond to the event. In response to the EOC being activated, Emergency Support Functions are activated to effectively address the response needs. As disaster management tasks transition from response to recovery, local leadership from the Command/Policy Group initiates the activation of the Recovery Task Force and the applicable Recovery Support Functions (RSF) needed to ensure adequate recovery efforts are conducted. The applicable ESF's and the applicable RSF's will meet and brief one another on activity and plans to ensure a smooth transition from response to recovery activities. In some cases, especially in our rural county Command/Policy Group and Recovery Task Force leadership personnel along with ESF personnel and RSF personnel may serve in both response and recovery activities.

Listed below are the Emergency Support Functions directly related to the Infrastructure Systems Recovery Support Function:

- ESF 1-Transportation
- ESF 2- Communications
- ESF 3- Public Works
- ESF 11- Ag & Natural Resources
- ESF 12- Energy
- ESF 14: Business/Infrastructure

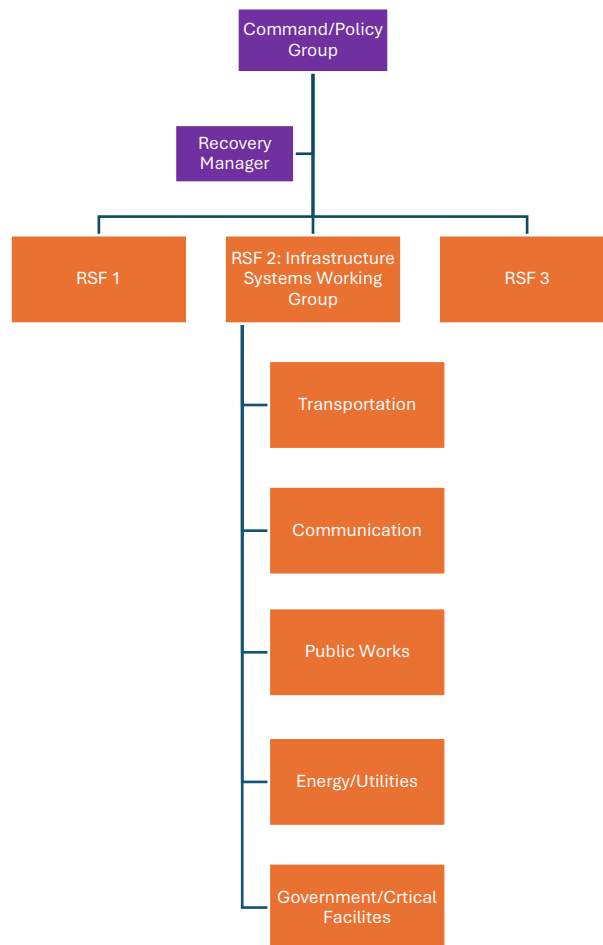
Figure 1: Transition from Response to Recovery



The Infrastructure Systems Recovery Support Function will organize utilizing ICS principles under the Recovery Task Force Command/Policy Group. The Infrastructure Systems Working Group will ensure tasks/missions under their scope are carried out. The Infrastructure Systems Working Group is not expected to have all the necessary assets, expertise, or capabilities internally; however they are responsible for requesting, tasking, and coordinating the activities or Supporting Entities to accomplish goals and objectives that have been set by the Command/Policy Group and the Recovery Manager.

Supporting Entities offer specific capabilities or resources available to support the RSF and the Recovery Task Force in executing their goals and objectives. **A complete detailed description and breakout of the Recovery Task Force organizational structure is listed in the RSF Base Plan.** Below is an example of the Infrastructure Systems Working Group and Support Entities organizational structure:

Figure 2: Infrastructure Systems organizational chart utilizing ICS principles



RSF 2: Infrastructure Systems is comprised of four groups which will address specific tasks within the mission of restoring facilities, infrastructure systems, and related services in Poweshiek County. The four groups, their mission and the group members are detailed below:

Transportation Recovery Group	
Mission:	Coordinate efforts with local, state, and federal programs designed to provide post-disaster transportation services, and restore transportation infrastructure and services to pre-disaster or improved condition
Cooperating Organizations:	Poweshiek County Secondary Roads Municipal Public Works-streets/roads divisions Iowa Dept of Transportation Iowa Interstate Railroad Union Pacific Railroad Private contractors

Communications Recovery Group	
Mission:	Coordinate local efforts with private sector partners, state and federal recovery programs designed to restore the county's communication capability to pre-disaster or improved condition
Cooperating Organizations:	Poweshiek County Sheriff's Office Poweshiek County 911 Board RACOM Public and Private sector communications companies (cell phone, landline, internet, etc.)

Public Works Recovery Group	
Mission:	Coordinate efforts with local, state, federal, and private sector contractors for the removal, transportation, storage, and disposal of debris; assist in the recovery of local facilities and critical government infrastructure.
Cooperating Organizations:	Poweshiek County Secondary Roads Municipal Public Works Iowa Dept of Transportation City/County Building & Planning Critical Facility/infrastructure Representative(s) Private contractors

Utility Recovery Group	
Mission:	Coordinate efforts with local, state, and federal programs designed to restore utility infrastructure and services to pre-disaster or improved condition
Cooperating Organizations:	Poweshiek County Secondary Roads Poweshiek Water Association (Rural Water) Municipal Public Works Municipal Water/Waste Departments Municipal Utility Departments Private Sector Utility Companies

Government/Critical Facilities Recovery Group	
Mission:	Coordinate efforts with local, state, and federal programs designed to restore local government and critical facilities
Cooperating Organizations:	Poweshiek County/Municipal Government Poweshiek County Zoning/Permitting Local/Regional Building/Planning & Permitting Facility Representative(s) Utility Departments Private Sector Contractors

Magnitude of Disaster

By gauging the magnitude of the event affecting any given jurisdiction, each agency's capabilities to assist can be identified to expedite the recovery process. This allows us to easily identify the

agencies needed to coordinate with which aspect they will assist with, and what will be needed to expedite the recovery process. The majority of recovery efforts under Infrastructure Systems are short-term to intermediate term in nature. The actions within this RSF typically are measured in days to weeks but typically do not extend beyond just a few months. Recovery Working Groups may be established as part of the Recovery Task Force activation to assist with the development of strategies, goals and objectives, and resources to aid in the overall recovery effort. The magnitude of a disaster can be identified into three categories: Minor, Moderate, and Severe.



Minor

Events of this magnitude are generally handled within Poweshiek County by local resources at the municipal and/or county level and may only impact a particular jurisdiction while surrounding communities and areas remain relatively unaffected. The unaffected communities and surrounding areas would likely be assisting the impacted area with any recovery efforts needed through either pre-established mutual aid agreements, or requests for resources between jurisdictions. If requests for resource needs go beyond county jurisdictional lines without any pre-established mutual aid agreements or contracts, those resources are required to be requested through Poweshiek County Emergency Management. For the most part, events with a minor magnitude classification typically do not require actions or resources from State or Federal agencies. Most minor magnitude events do not require or meet the threshold for disaster declarations. Some examples of Infrastructure Systems minor magnitude events are localized street flooding after heavy rain, short-term power outages, brown-outs, black-outs, short term telecommunications outages.



Moderate

Moderate events and disasters may result in a local and/or Governor's proclamation as well as requests for assistance for state and federal resources. These declarations may activate the Infrastructure Systems RSF, which will bring the working group together and formalize the structure for local, state, and federal resources to the local impacted communities. Iowa HSEMD will coordinate with the Poweshiek County Emergency Management Agency and local officials to determine the impacts of infrastructure systems by conducting damage assessments and coordinating resource needs and assistance. By conducting damage assessments and determining local resource needs and the impact the event has on the local infrastructure, a disaster declaration may be warranted to receive recovery aid. Some examples of Infrastructure Systems moderate magnitude events are: Wide-spread damaging wind events, isolated tornado damage, flooding events, prolonged or extended power outages, serious incident or damage to one or more infrastructure Systems (i.e., contaminated/loss of water supply, large scale utility failure/outage).



Severe

In a severe event, the local community and county's ability to respond and recover are surpassed and will require assistance from one or more state and federal agency. Generally, a severe magnitude event will require federal assistance which will be activated by a formal disaster declaration requested by the State to the Federal government and issued by the President of the United States. Much like in moderate magnitude events, damage assessments will occur to determine the impact the event had on local resources and to determine the needs within the impacted area. Severe magnitude events may go beyond State capabilities and resources, which prompts the federal disaster declaration. Some examples of severe magnitude events involving Infrastructure Systems are: Widespread tornado/wind damage, widespread severe flooding, and terrorist attacks.

Recovery Objectives

Disaster recovery is broken down to 3 phases: short-term, intermediate-term, and long-term. Each phase is critical for minimizing the impact the disaster has caused and ensuring a swift and effective recovery. Each recovery objective is broken down by Group and details objectives in each phase by group.

Transportation Recovery Group	
Short-Term Recovery	• Damage assessment of critical transportation infrastructure • Coordinate the restoration or interim provision of transportation infrastructure and services • Assess and communicate major reconstruction costs and needs • Provide public information related to transportation services and restoration
Intermediate-term Recovery	• Coordinate full restoration of transportation infrastructure • Ensure mitigation measures are considered for future resiliency
Long-term Recovery	• Monitor and assess recovery and reconstruction projects

Communications Recovery Group	
Short-Term Recovery	• Damage assessment of critical communications infrastructure • Restore essential communications capability • Assess and communicate major reconstruction needs/costs • Provide public information related to communications services and restoration
Intermediate-term Recovery	• Coordinate full restoration of Communications infrastructure • Ensure mitigation measures are considered for future resiliency
Long-term Recovery	• Monitor and assess recovery and reconstruction projects

Public Works Recovery Group	
Short-Term Recovery	• Damage assessment of critical public works and facility infrastructure • Restore/clear priority routes • Develop/implement debris removal strategies • Inventory/prioritize critical infrastructure/facility restoration • Assess and communicate major reconstruction needs/costs • Provide public information related to debris management and infrastructure restoration
Intermediate-term Recovery	• Address permanent debris disposal efforts • Coordinate the permanent restoration of critical infrastructure • Ensure mitigation measures are considered for future resiliency
Long-term Recovery	• Monitor and assess recovery and reconstruction projects

Utility Recovery Group	
Short-Term Recovery	• Damage assessment of utility infrastructure systems • Reassess and prioritize utility restoration • Coordinate the restoration or interim provision of utility infrastructure • Assess and communicate major reconstruction costs • Provide public information related to utility services and restoration
Intermediate-term Recovery	• Coordinate permanent restoration and reconstruction of utility infrastructure • Ensure mitigation measures are considered for future resiliency
Long-term Recovery	• Monitor and assess recovery and reconstruction projects

Government/Critical Facilities Recovery Group	
Short-Term Recovery	• Damage assessment of government facilities • Prioritization of restoration • Coordinate the restoration or interim provision of facility & services • Assess and communicate major reconstruction costs • Provide public information related to services and restoration
Intermediate-term Recovery	• Coordinate permanent restoration and reconstruction of facilities • Ensure mitigation measures are considered for future resiliency
Long-term Recovery	• Monitor and assess recovery and reconstruction projects

Direction, Coordination, and Control

To ensure scalability and flexibility in the mobilization of recovery operations, RSF 2: Infrastructure Systems may be activated at the discretion of the Operations Section Chief and/or Policy Group of the incident. Many recovery activities may occur simultaneously with some response operations and by the same personnel.

To the extent possible, each jurisdiction maintains control over their individual resources in response and recovery efforts, however, will operate in accordance with the Incident Action Plan, goals, objectives, and tasks set by the Authority Having Jurisdiction and the Recovery Task Force.

Annex Maintenance, Testing, Exercise

This annex will be reviewed, maintained, tested, and exercised as described in the Recovery Base Plan. This annex will be reviewed at least annually for content and minor changes. Major updates and revisions of this plan will take place as outlined in the Recovery Base Plan.