



Public Works and Engineering

ESF 3



Emergency Support Function Approval and Implementation

Wisconsin Emergency Management has coordinated an update of this emergency support function (ESF). This ESF will be reviewed periodically in accordance with the timeline outlined in the state's Integrated Preparedness Plan.

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Greg Engle, Administrator

Wisconsin Emergency Management

Date: 12/17/2024 | 2:17 PM CST

This ESF is hereby adopted as written and supersedes all previous versions.

Signed by:

Brig Gen David May

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Interim Adjutant General of Wisconsin

Date: 1/14/2025 | 1:28 PM CST



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Wisconsin Emergency Response Plan
Public Works & Engineering

ESF 3

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Table 1-1: Coordinating and Support Agencies

Lead Coordinating Agency	Department of Military Affairs/Wisconsin Emergency Management (DMA/WEM)
Wisconsin Governmental Support Agencies	Department of Administration (DOA) Department of Corrections (DOC) Department of Justice (DOJ) Department of Natural Resources (DNR) Department of Safety & Professional Services (DSPS) Department of Transportation (WisDOT) Public Service Commission (PSC) Department of Military Affairs/Wisconsin National Guard (DMA/WING)
Federal ESF Coordinating Agencies	U.S. Army Corps of Engineers (USACE) Federal Emergency Management Agency (FEMA)

1. Introduction

1.1. Purpose

The purpose of this plan is to outline state agency roles and responsibilities during a public works and engineering emergency or disaster to support local, county, and tribal governments by drawing from the public sector, private sector, and volunteers.

1.2. Scope

- 1.2.1. Work with local jurisdictions to facilitate damage assessments to critical structures and infrastructure.
- 1.2.2. Restore and maintain essential services along with the prioritization and emergency repair of damaged public infrastructure and critical facilities (transportation routes, water and wastewater facilities, gas/electric, communications, etc.).
- 1.2.3. Provide technical assistance to include engineering expertise, construction management, and contracting real estate services, to support life-saving, life-sustaining, and reduction of property damage efforts.
- 1.2.4. Provide guidance to coordinate emergency debris management, removal, and disposal.
- 1.2.5. Coordinate with ESF 1 for transportation, ESF 2 for communications, ESF 6 for emergency potable water, and ESF 12 for provision of energy.

1.3. Authorities

- 1.3.1. Public Works Mutual Assistance Agreement is authorized under Wis. Stat. § 323.13(1)(d).
- 1.3.2. Per Wis. Adim. Code PSC §184.06, In case of an emergency resulting from the failure of power supply or from fire, storm, or similar events, a water and/or sewer utility may begin necessary repair work without receiving prior commission authorization.



- 1.3.3. Emergency procurement of goods and services is authorized upon the issuance of a waiver by the governor pursuant to Wis. Stat. § 16.75(6)(e).
- 1.3.4. Temporary water services installed during removal of an existing main or during an emergency must satisfy the requirements of Wis. Adim. Code § NR 810.17.

1.4. Planning Assumptions

- 1.4.1. There may be mutual aid agreements in place between public works agencies and utilities such as the Water and Wastewater Agency Response Networks.
- 1.4.2. Most agencies will coordinate with WEM and local governments to utilize private contractors in response, recovery, mitigation and remediation efforts.
- 1.4.3. While primarily an emergency response plan, ESF 3 may have overlapping duties with the State of Wisconsin Recovery Plan and may be a start to the recovery process.
- 1.4.4. Response activities and resource requests may already be happening at the local level before the State Emergency Operations Center (SEOC) is activated.
- 1.4.5. State agencies listed below use the emergency alert system, RAVE, as well as others and update their contact information as needed and are able.

2. Concept of Operations

2.1. General

- 2.1.1. ESF 3 is managed through Wisconsin Emergency Management and at the local level. WEM will coordinate the implementation of ESF 3 with other state agencies in conjunction with local counties and municipalities.
- 2.1.2. The role of ESF 3 is to supplement county or local response during and after a disaster or emergency with public works and engineering needs by drawing resources, as able, from state, federal, local government, volunteers, and the private sector.
- 2.1.3. ESF 3 shall coordinate response to assist in deploying proper resources and equipment to address public works repair and remediation in areas impacted by emergencies or disasters and prioritize assets and functions to manage and support the immediate public works viability of the State and local jurisdictions.
- 2.1.4. Activation of ESF 3 resources occurs through the Joint Operations Center (JOC) unless the State Emergency Operations Center is at Level 3 or above.
- 2.1.5. SEOC: State response to disruptions involving public works and engineering is coordinated within the SEOC. When the SEOC is activated and ESF 3 is needed, WEM will notify the lead coordinating agency and support agencies. Lead coordinating and support agencies of ESF 3 will assign personnel to the SEOC.



- 2.1.6. Wis. Stat. § 321.39(1)(a) specifies the circumstances in which the governor may call out the Wisconsin National Guard. The circumstances include, among other things, natural disasters, riots, and a declaration by the governor of a public health emergency. The governor may also call out the Guard upon request by an authorized requestor (i.e., City Mayor, Village President, Town Chair, County Sheriff, US Marshal, or other State Agency), which is typically coordinated through Wisconsin Emergency Management.
- 2.1.7. If the Governor Declares a State of Emergency, the SEOC may request USACE and FEMA participation in response efforts.

2.2. Local Response

- 2.2.1. Tribal and local units of government are responsible for ensuring that infrastructure and buildings in their respective communities are safe for use after a public works and engineering disaster.
- 2.2.2. Tribal and local units of governments are responsible for mutual aid and assistance agreements to facilitate the sharing of resources to support emergency response. Copies of these agreements should be provided to WEM if available.
- 2.2.3. Tribal and local authorities are responsible for obtaining required permits, waivers, and clearances related to ESF 3 support.
- 2.2.4. State, tribal, and local authorities will encourage the participation of private sector infrastructure owners and operators in ESF 3 incident action planning and other planning activities.
- 2.2.5. The private sector owns and/or operates a large portion of the State's infrastructure and is a partner or lead for the rapid restoration of infrastructure or related services.

3. Agency Responsibilities

The following defines those responsibilities that are unique to ESF 3 and is intended to be used in conjunction with the common tasks outlined in the Basic Plan.



3.1. Lead Coordinating Agency – Department of Military Affairs

Table 4-1: Lead Coordinating Agency Functions

Agency	Functions
Department of Military Affairs: Wisconsin Emergency Management	<ul style="list-style-type: none"> • Coordinate assistance from federal, state, and private organizations. • Coordinate assistance for local governments in assessing damage to infrastructure and buildings, and determine what resources are required to restore and maintain essential services. • Coordinate with state agencies responsible for public works and engineering to provide local governments the necessary resources to restore and maintain essential services. • Provide resource support to communities impacted by public works related disruptions.

3.2. Wisconsin Governmental Support Agencies

Table 4-2: State Government Support Agencies Functions

Agency	Functions
Department of Administration	<ul style="list-style-type: none"> • Provide state fleet vehicles or state aircraft for the transportation of people, the limited transportation of supplies • Provide architects and engineers who can assist with damage assessment and make recommendations in the areas of structural and roof evaluation, design and construction supervision, evaluation of electrical and utility facilities, and power plant operation. • Provide energy (i.e. heating) assistance and emergency weatherization services for low-income households during periods of cold weather. • Complete the damage assessment of state-owned facilities in the disaster area or obtain existing contractor to accomplish task. • Access the state and federal surplus property contacts to determine the availability of assistance. • Approve emergency procurement of goods and services.
Department of Corrections	<ul style="list-style-type: none"> • Provide inmate labor forces to assist in a disaster based upon WI DOC policies or procedures. • Provide additional resources as able (e.g. support staff, buses, temporary lighting, generators).
Department of Justice	<ul style="list-style-type: none"> • Provide legal assistance in matters related to possible fraud and deceptive practices by companies or individuals against those affected by the incident. • Assist in the investigation and possible prosecution in reported incidents of fraud, deceptive practices, or other criminal activity related to the incident.



Agency	Functions
Department of Natural Resources	<ul style="list-style-type: none">• Provide technical assistance in the areas of water and air quality, sewage treatment, dam safety, hazardous and solid waste, river flood control, shoreline protection, and environmental assessments. Inspect dams, order draw-downs and repairs, and recommend operational changes.• Assist with providing the necessary environmental waivers and legal clearances to response efforts.• Support efforts to protect the water supply and sewage systems.• Support efforts with debris, trash, and waste removal, including assisting with temporary landfill issues.• Assist with determining the need for and construction of emergency structures (e.g. levees, sandbagging).• Support efforts to provide sanitation services during an emergency.• Identify critical locations (e.g. water and wastewater facilities) that need to be cleared of debris immediately to provide effective emergency services.• Provide resource and technical support to communities impacted by water contamination events in accordance with applicable statutes.
Department of Safety & Professional Services	<ul style="list-style-type: none">• Assist local officials with assessing damage to private onsite waste treatment systems (POWTS) and facilitate the restoration of those damaged systems.• As requested, provide local officials with:<ol style="list-style-type: none">1. Information on businesses credentialed and regulated by the state to perform building inspection and repair services.2. Prioritize and expedite credentialing of out-of-state individuals performing work associated with the repair, construction, and inspection of damaged buildings and structures.• Provide consultation services:<ol style="list-style-type: none">3. To local officials who are required to determine if a state plan review must take place prior to working on damaged buildings and structures, and POWTS.4. To design professionals involved in the repair or reconstruction of damaged buildings and structures.5. On a prioritized plan, review service to those design professionals requiring a plan review and approval to proceed with the repair or replacement of damaged buildings and structures, and POWTS.• Assist state partners in assessing and resolving potential health issues related to the debris removal process.



Agency	Functions
Department of Transportation	<ul style="list-style-type: none"> • Provide technical expertise to county and local officials to prevent further damage or to assist with emergency repairs of state, county, and local highways and bridges, along with prioritizing the necessary repairs. • Support local response for road closures and establish alternate routes of access. • Provide staff to assess and compile damage assessments for transportation infrastructure that will assist WEM and FEMA with the development of preliminary damage reports. • Provide lists of private contractors and consultants who could assist local governments with the design, repair, and construction of transportation infrastructure. • Provide emergency procurement for services, damage assessment, design, etc. • Assist in providing waivers such as weight limits, hours of service, etc.
Public Service Commission	<ul style="list-style-type: none"> • Monitor emergency service activities of regulated electric, telecommunication, water, and natural gas public utilities. • Act as liaison between public utilities and state and federal governmental agencies and officials. • Provide regulatory oversight of natural gas public utility companies regarding their emergency preparedness and response. • Assist with locating various petroleum energy suppliers in the case of a power outage.
Department of Military Affairs: Wisconsin National Guard	<ul style="list-style-type: none"> • Provide site security. • Provide equipment and operators to support response operations. • Assist with debris clearance. • Assist with transportation of supplies or equipment.

4. Supporting Documents

4.1. Agency-Specific Plans and Procedures

4.1.1. WING Concept Plan – Civil Support

4.1.2. [State of Wisconsin Recovery Plan](#)

4.1.3. [DNR’s Public Water System Plan Review](#)

4.1.4. Emergency Support Function 6, Attachment 2: Distribution of Emergency Potable Water

4.2. Federal Support

4.2.1. [Emergency Support Function 3: Public Works and Engineering Annex](#)

4.2.2. [Comprehensive Preparedness Guidelines 101, Third Edition, September 2021](#)



Table 5-1: Record of Change

#	Date	Agency/Individual	Change
1.	08/01/2024	WEM	Planning Scope and Purpose were edited to better fit the current capabilities of ESF 3
2.	08/01/2024	WEM	The Assumptions section was added
3.	08/01/2024	WEM	The section Response Capabilities was deleted
4.	08/01/2024	WEM	Policies were changed to Authorities and added to
5.	08/01/2024	WEM	Concept of Operations were edited and divided into subcategories: General and Local Response
6.	08/01/2024	WEM	Agency Responsibilities were edited to better reflect current agency capabilities
7.	08/01/2024	WEM	Throughout the entire document, capabilities that focused on recovery versus response were eliminated
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