

Emergency Support Function (ESF) #3 Public Works and Engineering

Lead Coordinating Agency:	Green County Highway Department
Primary Agency:	Municipal Public Works Agencies
Support Agencies:	Green County Emergency Management Green County Landfill
State Agencies:	Wisconsin Department of Transportation Wisconsin Emergency Management
Private Agencies:	Private Utilities Engineering Services Railroads – Wisconsin and Southern RR

I. Introduction

A. Purpose

ESF #3 provides guidance for the emergency coordination of Public Works services for Green County. This ESF illustrates how Green County will assist the municipalities with providing public works services; assessing the damage to infrastructure and buildings; restoring and maintaining essential services and providing technical assistance through specialized deployment, personnel, equipment and supplies and procuring private sector resources.

B. Scope

1. This ESF addresses public works and engineering activities of Green County Government and municipal governments to prepare, respond and recovery from large emergencies/disasters.
2. County, local, and tribal governments are responsible for public works and infrastructure and have the primary responsibility for incident prevention, preparedness, response, and recovery, including county-wide planning for ESF #3 activities. When activated to respond to an incident, the agencies for ESF #3 develop work priorities in cooperation with the county and local governments.
3. The private sector is responsible for a large proportion of the county/local infrastructure and is the lead for the rapid restoration of infrastructure-related services. In the EOC this sector coordinates with the Green County Highway Department on Incident Action Planning and other planning activities as appropriate and warranted.

II. Policies

- A. Local authorities are responsible for obtaining required permits (e.g. oversize/overweight highway permits), waivers (e.g. solid waste and hazardous waste management) and clearances related to ESF #3 support.
- B. Appropriate entities of the private sector are integrated into the planning and decision-making processes at all levels of government, but especially at the local jurisdiction level.

III. Concept of Operations

A. General

- 1. Green County will support the municipalities by ensuring that the infrastructure and buildings in the community are safe for use after a disaster or creating, through demolitions or repairs, a safe condition.
- 2. Public works and engineering personnel should identify mitigation opportunities to reduce future disaster damages and make recommendations as appropriate to the County-wide All Hazards Mitigation Plan.
- 3. During the recovery phase, all agencies are expected to support continuing operations with equipment and staff.

B. Organization

- 1. ESF #3 emergency operations will coordinate with the County EOC Operations
- 2. At the county/local level, State coordination activities will be through the WEM Regional Director/Wisconsin Emergency Support Team (WEST).

C. Phases of Emergency Management

The following activities will be performed by county agencies and private organizations as appropriate

1. Mitigation and Preparedness Activities

- a. Personnel with supervisory, command level responsibility or who may be working in the EOC from county agencies, municipalities, villages and cities, should be registered on E-Sponder and request permission to access the Green County site. Green County's site contains the emergency response plan, and other pertinent documents which can be downloaded. EOC activities can be documented on this secure system and WEM may require state assets to be requested through E-Sponder.
- b. Participate in exercises and trainings, such as Incident Command and other specialized training to support ESF #3 and the Green County Emergency Response Plan for the purpose of developing and testing abilities to ensure effective response to various types of emergencies.

- c. Develops and maintain a database of technical assistance services that can provide support during emergencies or disasters, including contact and notification list and procedures, as practical.
- d. Identify, develop and incorporate, as necessary
 - a) Private sector capabilities and resources
 - b) Backup response and recovery processes

2. Response Activities

- a. In accordance with ESF #5, lead, primary, and agencies shall designate a qualified representative in the Command Post/EOC or other designated location as deemed appropriate. Federal, State, volunteer and private agencies should also be prepared to assign qualified representatives if requested to do so.
- b. Evaluate and prioritize the public works and engineering support requests for the threatened and/or impacted area.
- c. Notify and deploy support agencies and/or the Green County Damage Assessment Team and, if necessary, state response teams.
- d. Generate in a timely manner, information to be included in Emergency Operations Center briefings, situation reports, and/or action plans.
- e. Maintain appropriate fiscal detail records of work and costs incurred by ESF #3 agencies during an event, especially costs and management details of initial debris management activities
- f. Evaluate the short-term and long-term recovery period for the event.
- g. Emergency clearance of debris to allow for reconnaissance of the damaged areas and passage of emergency personnel and equipment for lifesaving, life protecting, and health and safety purposes.

3. Recovery Activities

ESF #3 Support includes technical advice and evaluations, engineering services, construction management and inspection, emergency contracting, emergency repair of water and wastewater facilities, provision of potable water, and provision of emergency power. Activities within the scope include:

- a. Identify and recommend mitigation projects that will reduce future disaster damages.
- b. Continue removing of debris from public streets and roads.
- c. Removal of animal carcasses (addressed in ESF #11)
- d. Temporary repair or replacement of emergency access routes. Routes include damaged streets, roads, bridges, ports, waterways, airfields, and any other facilities necessary for passage of rescue personnel.

- e. Emergency restoration of critical public facilities including temporary restoration of water supply and wastewater treatment systems.
- f. Emergency demolition or stabilization of damaged structures and facilities.
- g. Emergency contracting to support public health and safety.
- h. Technical assistance including structural inspection of private residences, commercial buildings, and structures.

IV. Responsibilities

A. All Agencies

1. All agencies (including volunteer) will operate under NIMS and the Incident Command System. Agencies are responsible to ensure personnel are properly trained in ICS and EOC operations. All agencies will use plain language – no ten codes.
2. All agencies shall conduct an assessment of damage to their systems and report them immediately to the EOC and assist in recovery activities as requested.
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 to the county's emergency response plans.
4. All agencies responding the emergency/disaster will document all costs associated with response and recovery activities (separate from normal, daily work) and provide these reports regularly/as requested to the EOC/Green County Emergency Management. This documentation should begin immediately after notification to respond to the emergency/disaster.

B. Lead Coordinating Agency

Green County Highway Department and/or Primary: Municipal Public Works Departments

1. Provide inspections of county roads, bridges and infrastructure to determine damage and safety.
2. Coordinate the provision of assistance to the local governments with assessing damage to infrastructure and buildings and determine what resources (e.g., specialized personnel, equipment, and supplies) are required to restore and maintain essential services (e.g., electricity, fuel, water, sewage disposal, telecommunications.)
3. Coordinate with state agencies responsible for public works and engineering to provide the county and the local governments the necessary resources to restore and maintain essential services.
4. Remove debris and wreckage from roads and bridges and continue to maintain, clear and repair the infrastructure system until normal operations are restored.

5. Designate usable county roads and bridges.
6. Provide temporary repair of damaged county roads and bridges, if possible.
7. Establish and/or maintain evacuation routes as coordinated in ESF #1 Evacuation and Transportation.
8. Provide roadblock barricades, signs, and flaggers as requested.
9. Provide fuel storage.
10. Repair equipment.
11. Provide sand and gravel.
12. Provide trucks and drivers to transport debris and wreckage.
13. Provide flood control support.
14. Coordinate drainage activities.
15. Assist with coordination with countywide disaster transportation needs.
16. Coordinate with other political jurisdictions.
17. Coordinate with Incident Commander and EOC for private contractors and suppliers, and other mutual aid.
18. Document damages and costs.
19. Coordinate debris removal and disposal with Department of Natural Resources.
20. Coordinate with law enforcement to maintain evacuation routes, identify potential problems and ensure safety along those routes.
21. Assess damages and coordinate with the health department on decontamination of water and water testing.
22. Assist with the Preliminary Damage Assessment and disaster declaration process as requested.

C. Support Agencies

Green County Emergency Management

1. Maintain contact and coordinate operations with public and private utility representatives.
2. Establish priorities for the restoration of essential services.
3. Compile and document disaster damages and report them to WEM.
4. Assist with the Preliminary Damage Assessment and disaster declaration process.

Green County Landfill

1. Maintain debris and garbage operations.
2. Keep accurate records of debris (from the disaster) being brought in in case of a Presidential Disaster Declaration.

D. Private Agencies

1. Agencies possessing vital infrastructure and buildings in the county assess damages and report it to the EOC.
2. Coordinate with local governments to determine what resources are required to restore, and maintain essential services.
3. Utilities, primarily electric, gas and telecommunication providers should be prepared to assign qualified representatives to the EOC if requested to do so.
4. Contractors must check in with the staging manager and have a contract with the county to perform debris removal and other recovery operations. No freelancing will be allowed.
5. Provide specialized debris removal and management services.
6. Provide specialized resources, manpower and equipment.

V. Plan Development and Maintenance

- A. Green County Emergency Management, in coordination with the lead agencies is responsible for the development, annual review/updating of ESF-3, 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-3, 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 E-Sponder, www.greencountyem.com or requesting a copy from Green County Emergency Management.

VI. References

- A. See Basic Plan