2014
Polk County
ESF #3
Public Works and Engineering: Damage Assessment Section

Public Version

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1. Introduction

1.1 Purpose of ESF #3 Public Works and Engineering: Damage Assessment Section

The purpose of the plan is to establish a framework by which Polk County Emergency Management Agency can coordinate the ESF #3 Public Works and Engineering: Damage Assessment Section. This response may consist of federal, state, and local government agencies and private industries.

The public version of ESF #3 Public Works and Engineering: Damage Assessment Section 'FOR PUBLIC DISTRIBUTION' is designed to provide the public with the following information regarding the plan:

- **Section 1** provides the introduction and purpose of the emergency support function.
- **Section 2** is a description of the roles and responsibilities of the agencies that will respond.
- **Section 3** contains information you should know and what actions you can take after a disaster
- **Section 4** contains important contact numbers.

Please note that the ESF #3 Public Works and Engineering: Damage Assessment Section is a living document. It may undergo a major revision every three years and can be updated annually from submitted and committee approved changes.

For more general information please contact Polk County Emergency Management Agency at 515-286-2107 or your local emergency manager.

1.2 The role of ESF #3 Public Works and Engineering: Damage Assessment Section

The role of Emergency Support Function (ESF) 3: Public Works and Engineering: Damage Assessment Section is to establish policies on how Public Works and Engineering support will be provided to support comprehensive emergency planning through all phases, including mitigation, preparedness, response and recovery.

1.3 Target Capabilities List

The Target Capabilities List describes the capabilities related to the four homeland security mission areas: Prevent, Protect, Respond, and Recover. It defines and provides the basis for assessing preparedness. It also establishes national guidance for preparing the Nation for major all-hazards events, such as those defined by the National Planning Scenarios. The current version of the TCL contains 37 core capabilities (www.fema.gov).

ESF #3: Public Works and Engineering: Damage Assessment Section includes the following Recover Mission Capabilities:

Structural Damage Assessment and Restoration of Lifelines

The Capabilities include:

Structural Damage Assessment
Outcome: Accurate situation needs and damage assessments occur. The full range of engineering, building inspection, and enforcement services are implemented, managed, and coordinated in a way that maximizes the use of resources, aids emergency response, and implements recovery operations. Mitigation projects to lessen the impact of similar future events are identified and prioritized.

Restoration of Lifelines
Outcome: Lifelines to undertake sustainable emergency response and recovery activities are established.

2. Participating Agencies

ESF COORDINATOR:
Polk County Emergency Management

PRIMARY AGENCIES:
Polk County Public Works
Local jurisdiction Public Works Departments
Local jurisdiction Fire Departments
Local jurisdiction Police Departments
Local jurisdiction Parks and Recreation
Utility Companies

SUPPORT AGENCIES:
Polk County Health Department
American Red Cross
County Agricultural Health Extension Agents
Property/Real Estate Appraisers
City and County Engineers

2.1 Concept of Operations

The Damage Assessment Task Force missions may include assessing the damage of residential or business structures, agricultural land, public debris, road systems, water control facilities, buildings, equipment and utility systems.

To conduct an accurate damage survey, local governments should have capable Damage Assessment Task Force membership. These members should be identified and trained in advance of the disaster so they will be ready when needed.

The Polk County Emergency Management Agency will be responsible for working with local jurisdictions and organizations to help identify capable individuals within their jurisdiction that are willing to serve on the Task Force.

The intent is to provide properly trained local personnel with the knowledge and equipment necessary to provide a safe and timely response to incidents causing damages in Polk County.

Each Task Force Leader is responsible to make sure the team has the proper forms, U.S. National Grid maps, transportation, and other logistical needs. Polk County Emergency Management Agency can support the Task Force Leader in procuring the needed equipment, supplies, tools, and documentation.

The current plan for managing large-scale incidents within Polk County calls for the utilization of local resources prior to requesting assistance from the outside. A request for assistance placed to Polk County Emergency Management Agency for the

necessary specialized assets will cause Polk County Emergency Management Agency to activate the Damage Assessment Task Force.

Based on the location and type of incident, Polk County Emergency Management Agency will notify the nearest appropriate Disaster Assessment Task Force Leader to begin to mobilize personnel to staff the Task Force and await its assignment.

In cooperation with the Incident Commander and executives of affected jurisdictions they will ensure that the following is accomplished:

- Determining what happened, what the effects are, which areas were hardest hit, what situations should be given priority and what types of assistance are needed (e.g., local, state, or federal).

- Public, private, non-profit and individual damage assessments should be performed, because of the corresponding types of federal/state assistance available. Each type of assessment is designed to quantify the eligible amounts of damages a community incurred. Countywide strategic direction will be guided from the Polk County Emergency Operations Center (EOC).

- There will be times where joint damage assessment operations will be conducted with Iowa Homeland Security and Emergency Management and Federal Emergency Management Agency officials.

On extended multi-day operations, Task Force personnel will be rotated out of service according to the operational necessities of the incident command and Task Force Leader. The Task Force Leader should ensure that a team debriefing is conducted as soon as possible following the mission. The debriefing should be used to identify accomplishments and problems, lessons learned, SOPs in need of revision, and suggestions for improvement for future mobilizations and operations. Personnel will be relieved following a proper checkout and debriefing.

As part of the disengagement process, members of the team should be given an opportunity to discuss issues related to incident stress management. Such debriefings provide an opportunity for Task Force members to discuss issues that may cause future discomfort or concern.

2.2 Damage Levels & Conditions

Damage Level	Conditions Present in Assessment
Destroyed **Severe Structural Damage** **(Red)**	This structure has been seriously damaged and is unsafe. DO NOT ENTER. Entry may result in serious injury or death. • Home blown off foundation or appears to be beyond repair. • Not economically feasible to repair. • Permanently uninhabitable. • Complete failures of major components of structure, i.e., basement walls, foundation, roof. • Two or more walls and roof/structural components significantly damaged or destroyed. • Water is above the roof eaves • Water is above 1st floor
Major **Habitability unlivable** **(Red)**	This structure has been seriously damaged and is unsafe. DO NOT ENTER. Entry may result in serious injury or death. • Significant damage to roof structure, roofing elements damaged or missing (e.g., trusses/framing). • Damage to windows, doors, exterior walls, interior wind damage, rain/water damage. • Extensive debris and utility problems. • Shifting off foundation/foundation damage. • Water is above the roof eaves • Water is above 1st floor
Minor **Habitability affected** **(Yellow)**	This structure has been damaged and its safety is questionable. Structure is repairable. Entry is only allowed with authorized personnel. • Broken or blown in windows, doors, utilities. • Damage to some of the roof sheathing. • Can be fixed/repaired within approximately 30 days. • Damaged septic or well. • Damage to furnace, hot water heater, utility panel, service entrance, washer/dryer. • Minor damage to interior floors/walls • One (1) exterior wall damaged

	• Fire escape is not usable • Shingles/roofing damaged or missing • Tree fallen on structure; chimney damage • Structures without basement: 1-2 feet of water on 1st floor • Structures with basement: 1-8 feet of water • Mobile homes with broken utility connections • Mobile homes with slight movement from piers/foundation • Mobile homes with utilities flooded
Affected But Habitable **(Green)**	Damage is largely cosmetic in nature. Structure is repairable. Entry is allowed. • Minimal damage to structure and/or contents and the home is habitable without repairs. • Some shingle damage • Porch/deck damage but the living unit is still habitable • Broken windows • Damaged landscaping • Cosmetic damage to siding • Structures without basement: less than 12 inches of water on 1st floor • Structures with basement: less than 12 inches of water • Mobile homes with minor dents to roof or siding • Mobile homes with water standing under or around home, but not touching the bottom board • Mobile homes with indication of water being it but not touching the bottom board following a flash flood
Inaccessible	This group includes homes that are inaccessible by normal means due to disaster-related loss of access (e.g., bridge out, road flooded or blocked by landslide, mudslide, severe erosion, washed out, etc.). In the event the inaccessibility is due to road or bridge damage, the PDA team should determine whether the road or bridge is maintained privately or by local government and make note of that on their sheets. If privately owned and sole access, damage should be noted as well.

2.2 Activities of Polk County Emergency Management Agency and Participating Agencies

Damage Assessment Task Force Leader

Activities:
- The Damage Assessment Task Force Leader is responsible for managing and supervising all aspects of a mission, both operational and managerial, from the time of activation through the end of the demobilization process. This includes all personnel and equipment resources as well as overseeing and directly supervising the Task Force management. The Damage Assessment Task Force Leader is responsible for the development and completion of all Task Force objectives as well as the proper reporting, record keeping and after-action requirements.

Disaster Assessment Task Force Safety Officer

Activities:
- The Task Force Safety Officer is responsible for monitoring and assessing the safety aspects of the Task Force during incident operations. The Safety Officer reports directly to the Task Force Leader.

Disaster Assessment Task Force Individual Assistance Branch
Activities:
- The Individual Assistance Branch Director is responsible for managing and supervising all aspects of individual assistance, both operational and managerial, from the time of activation through the end of the demobilization process.

Disaster Assessment Task Force Residential Group

Activities:
- Perform rapid damage assessment to identify the impact, type and extent of disaster damages to residences including single family homes, apartments and mobile homes.

Disaster Assessment Task Force Business Group

Activities:
- Perform rapid damage assessment to identify the impact, type and extent of disaster damages to businesses.

Disaster Assessment Task Force Agricultural Branch

Activities:
- The County Farm Service Agency in conjunction with the impacted producer carries out a damage assessment, looking for a percentage production loss in a crop.

Disaster Assessment Task Force Public Assistance Branch

Activities:
- Manage and supervise all aspects of public assistance, both operational and managerial, from the time of activation through the end of the demobilization process.

Disaster Assessment Task Force Debris Clearance Group

Activities:
- Perform rapid damage assessment to trees, woody debris, sand, mud, silt, gravel, damaged building components and contents, wreckage produced during the conduct of emergency work, and other disaster-related wreckage.

Disaster Assessment Task Force Emergency Protective Measures Group

Activities:
- Perform rapid damage assessment to prevent further damage to public and private property.

Disaster Assessment Task Force Road System Group

Activities:
- Perform rapid damage assessment for all roads (paved, gravel, and dirt) and bridges, to pre-disaster design, function, and capacity in accordance with codes or standards (see ESF #3 Public Works and Engineering)

Disaster Assessment Task Force Water Control Facilities Group

Activities:
- Perform rapid damage assessment for all water control facilities.

Disaster Assessment Task Force Building and Equipment Group

Activities:
- Perform rapid damage assessment for all public buildings and equipment.

Disaster Assessment Task Force Public Utilities System Group

Activities:
- Perform rapid damage assessment for the following areas:
    - Water treatment plants and delivery systems

- Power generation and distribution facilities, including natural gas systems, wind turbines, generators, substations, and power lines
- Sewage collection systems and treatment plants
- Communications

Disaster Assessment Task Force Other Category Group

Activities:
- Assess damage of other categories for example, Parks and Recreational Areas. Perform rapid damage assessment for the following areas:
  - Playground and picnic equipment
  - Swimming pools, golf courses, and tennis courts
  - Mass transit facilities, such as rail systems
  - Facilities such as fish hatcheries
  - Supporting facilities (e.g., roads, buildings, and utilities) that are located in parks and recreational areas

3. Maintenance

Mandatory Review Requirements

As required in Iowa Administrative Code, Section 605, Chapter 7, this annex will be reviewed and revised if necessary, at a minimum of every 5 years. A draft will be presented to the Polk County Emergency Management Commission for their approval and adoption.

Voluntary Review

The Polk County Emergency Management Commission will attempt to evaluate this annex continuously and revise annually based on input and feedback from support agencies and corrective action plans as recommended by after-action reporting. A draft will be presented to the Polk County Emergency Management Commission for their approval and adoption.

Plan Distribution

This annex and any subsequent revisions of this annex will be distributed to the primary and alternate Commission Members representing Polk County and all city governments within the county. The annex will also be shared with the specific primary and support agencies named at the beginning of this annex

4. Things you need to know and what you can do

4.1 During and After

- Local news media, television or radio

- Code Red Notification if you are signed up via email, test message or phone call

- United Way 211-Call Center (includes multi-lingual)

  Provides free information 24/7 to callers on community related resources, including disaster related resources.

- Polk County Emergency Management Agencies official website:

  http://www.polkcountyiowa.gov/EmergencyManagement/

- Or other social media applications:

  Facebook: http://tinyurl.com/ya4osdq
  Twitter: http://twitter.com/PCEmrgManAgency
  Youtube: http://www.youtube.com/user/PolkCoIaEmergMgt

Listen for announcements on alerts, notices, instructions, and information:

- What to do and why
- What not to do and why
- Hazardous areas and structures to stay away from.
- Street and freeway overpass conditions, congested areas to avoid and alternate routes to take

5. Important contacts and numbers

Polk County

Polk County Emergency Management Agency:

http://www.polkcountyiowa.gov/EmergencyManagement/. (515) 286-2107

Polk County Public Works

http://www.polkcountyiowa.gov/publicworks/. (515)286-3705

United Way 2-1-1 provider:

Dial 2-1-1 or toll-free at 1-866-469-2211.
From a cell phone or pay phone, dial (319) 739-4211.

Provides free information 24/7 to callers on community related resources, including disaster related resources.

Summary

It is hoped that this public version plan will provide the reader with an understanding of Polk County Emergency Management Agency and participating agencies' roles in the event of an incident.

The processes and agency roles and responsibilities specified may change without notice contingent upon the magnitude of the emergency or catastrophic event, as well as the actual availability of emergency response and emergency support personnel.

The ESF #3 Public Works and Engineering: Damage Assessment Section Public Version was developed for public distribution and excludes specific information that is protected from disclosure under the Freedom of Information Act (FOIA) and similar State and local disclosure laws, and from use in civil litigation and regulatory actions.

Access to the full plan is restricted to ESF #3 Public Works and Engineering: Damage Assessment Section emergency first responders and contains Security Sensitive Information that is For Official Use Only.