

EMERGENCY SUPPORT FUNCTION 3 PUBLIC WORKS AND ENGINEERING

PRIMARY AGENCIES: Washington State Department of General Administration

SUPPORT AGENCIES: Washington State Conservation Commission
Washington State Department of Ecology
Washington State Office of Financial Management
Washington State Department of Fish and Wildlife
Washington State Department of Labor and Industries
Washington State Department of Licensing
Washington Military Department
Washington State Department of Natural Resources
Washington State Parks and Recreation Commission
Washington State Patrol
Washington State Department of Transportation
All Other State Agencies
Federal Emergency Management Agency
U.S. Army Corps of Engineers

I. INTRODUCTION

A. Purpose

The purpose of Emergency Support Function (ESF) 3 is twofold:

1. To provide public works and engineering support to assist the state in meeting needs related to response and recovery, and;
2. To provide for the demolition of unsafe structures, debris and wreckage clearance, temporary repair of essential facilities, and the inspection of facilities for structural condition and safety.

B. Scope

Support is provided when other state agencies and local governments have exhausted their supplies and capacity. 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:

1. Participation in mitigation and preparedness activities.
2. Participation in needs and damage assessment immediately following the event.
3. Contracting for the 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 during response activities.

4. Contracting for the removal of debris from public streets and roads.
5. Contracting for the 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.
6. Contracting for the restoration of critical public facilities including temporary restoration of water supply and wastewater treatment systems.
7. Contracting for the demolition or stabilization of damaged structures and facilities. These damaged structures are designated by state and local jurisdictions as immediate hazards to the public health and safety, or as necessary to facilitate the accomplishment of life saving operations.
8. Emergency contracting to support public health and safety.
9. Technical assistance including structural inspection of private residences, commercial buildings, and structures, as resources permit.
10. Assisting in the preparation of internal Department of General Administration (GA) Project Worksheets (PWs) and Preliminary Damage Assessments (PDAs) as required.
11. Supporting other ESFs as outlined in the *Washington State Comprehensive Emergency Management Plan (CEMP)*.

II. POLICIES

Revised Code of Washington (RCW) 43.19.450, Department of General Administration, Engineering and Architecture.

III. SITUATION

A. Emergency/Disaster Conditions and Hazards

An emergency or disaster may cause unprecedented property damage. Structures may be destroyed or severely weakened. Homes, public buildings, bridges, and other facilities may have to be reinforced or demolished to ensure safety. Debris may make streets and highways impassable. Public utilities may be damaged and be partially or totally inoperable. A large event may affect the lives of many state and local jurisdiction response personnel, and prevent them from performing their prescribed emergency duties. Similarly, equipment in the immediate event area may be damaged or inaccessible. Sufficient resources may not be available to state and local jurisdictions to meet emergency requirements. Federal assistance may be required to identify and deploy

resources from outside the affected area to ensure a timely, efficient, and effective response and recovery from the event.

B. Planning Assumptions

1. Access to the incident area will be dependent upon the establishment of ground and water routes.
2. Debris clearance and emergency road repairs will be given priority to support immediate lifesaving emergency response activities.
3. Rapid assessment of the event area will be made to determine critical response time and potential workload.
4. Emergency environmental waivers and legal authority will be granted to dispose of materials from debris clearance and demolition activities. Local jurisdiction authorities will obtain the required waivers and clearances.
5. Significant numbers of personnel with engineering and construction skills and construction equipment will be available from outside the incident area.
6. Support agencies will perform tasks under their own authorities as applicable, in addition to tasking received under the authority of the state CEMP.
7. Previously inspected structures will require re-evaluation if after-shocks occur following an earthquake.
8. Management of resource support is highly situational, requiring flexibility and adaptability.
9. The lead agency (GA) has no emergency budget, no contingency fund and no assigned emergency management staff.
10. State agencies, other ESF leads and local jurisdictions will expend all available resources prior to seeking assistance through the state EOC, and ESF 3.

IV. CONCEPT OF OPERATIONS

A. General

GA will actively support state and local jurisdiction response and recovery activities. Close coordination will be maintained with federal, state, and local jurisdiction officials to determine potential tasks. The priority of tasks will be determined jointly between federal and state officials. The ESF 3 Team will provide damage information to the State EOC Operations Section and ESF 14, Recovery for overall damage assessment. The ESF 3 team will co-locate

personnel at the State Emergency Operations Center (EOC) to coordinate support, as necessary.

B. Organization

The Operations Chief within the state Emergency Operations Center works with GA for the coordination of these ESF activities in addition to GA. GA's Engineering and Architectural Services Division is responsible to provide public works and engineering assistance, when tasked, to meet state needs related to emergencies and disasters.

C. Procedures

1. All public works and engineering requests will be received and processed through the state's Emergency Operations Center (EOC).
2. All state ESF leaders and local government will exhaust resources before requesting public works and engineering assistance from ESF 3.
3. Public works and engineering requests will be evaluated by the state EOC Logistics Chief who determines the best way to fulfill requests. Missions assigned to the Operations Section of the state EOC will be assigned to the appropriate ESF for evaluation and assignment. The ESF lead agency will assign the request to the proper agency or division for task completion. It will be the responsibility of the Operations Chief to track the status of mission requests from assignment to completion in conjunction with the assigned ESF state agency.
4. Existing agency procedures for emergency contracting will be followed in accordance with RCW 43.19.
5. State agencies or divisions will consider the missions assigned by the Operations Chief to be the top statewide priority for resources not directed to another ESF.

D. Mitigation Activities

1. All State Agencies and Local Governments

- a. Provides staff preparedness training that focuses on the office, home, and family for emergencies or disasters.
- b. Identifies and mitigates the effects of hazards in the work place to minimize damage, injury, and disruption following an event.
- c. Ensures that field personnel have proper protection and equipment available in advance of an event.

2. Support Agencies

Washington State Conservation Commission

Takes actions to reduce or eliminate the effects of emergencies or disasters on renewable natural resources.

E. Preparedness Activities

1. Primary Agency

Washington State Department of General Administration

- a. Trains Engineering and Architectural Services' (E&AS) staff in emergency procedures.
- b. Trains E&AS' licensed professional staff for Post Earthquake Safety Analysis of Buildings (ATC-20 training).
- c. Develops, maintains, and distributes a statewide database of architects, engineers, contractors, and equipment suppliers that can provide support during emergencies or disasters.
- d. Develops, maintains, and distributes a phone notification list and communications process for rapid contact of key division, department and support agency personnel.
- e. Conducts periodic training and exercises and participates in statewide drills and exercises.

2. Support Agencies

Washington Military Department

- a. Develops policies and procedures for emergency response, recovery personnel deployment, and communications activities.
- b. Maintains liaison with state support agencies, the U.S. Army Corps of Engineers, and other federal representatives.

Washington State Departments of Ecology, Fish and Wildlife, Labor and Industries, Licensing, Natural Resources, Washington State Patrol, Transportation, Office of Financial Management, Conservation Commission, Parks and Recreation Commission, All Other State Agencies, Federal Emergency Management Agency, and the U.S. Army Corps of Engineers

Takes those actions necessary to assure their staff is prepared to accomplish their response and recovery activities.

3. All Other State Agencies

Takes those actions necessary to assure their staff members are prepared to accomplish their internal agency response and recovery activities for ESF 3, PDAs and reports, and facilities. Provides staff preparedness training regarding ESF 3 operations and procedures.

F. Response Activities

1. Primary Agencies

Washington State Department of General Administration

- a. Provides trained personnel to conduct post earthquake safety analysis of buildings.
- b. Provides personnel for internal and external PDA Teams.
- c. Activates the Emergency Contracting Desk.
- d. When requested by the ESF 3 Coordinator, coordinates with support agencies to supply requested services and resources.
- e. When requested by the ESF 3 Coordinator, contracts with architects, engineers, contractors, and equipment suppliers to provide requested services and equipment.
- f. Participates on internal Public Works Teams to conduct inspections of GA facilities.
- g. When requested by the ESF 3 Coordinator, provides initial damage estimates on other state buildings and facilities as a member of the PDA Team, as resources permit.

Washington State Military Department

1. Emergency Management Division

Manages the facility the state EOC occupies and assists in maintaining a fully operational status.

2. National Guard

- a. Provides transportation of key personnel.
- b. Provides security, as tasked.
- c. Supplements state emergency communications, as tasked.

- d. Provides aerial reconnaissance, as tasked.
- e. Participates in the conduct of initial damage assessment estimates as a member of the PDA Team, and the PW Team.
- f. Supplies limited power generation, as tasked.
- g. Provides water purification, as tasked.

2. All State Agencies

Individual state agencies are responsible for initial assessments and response for the facilities that they own. ESF 3 support is provided when agencies have exhausted their supplies and capacity. These initial activities include:

- 1. Conducting initial internal facility damage assessments and estimates and report damage estimates to the state EOC.
- 2. Providing security of facilities and facility property.
- 3. Coordinating or conducting facility repair, debris removal, and other measures necessary to re-occupy the facilities.
- 4. Tasks personnel, as necessary, to accomplish support responsibilities.
- 5. Providing liaison officers to the state EOC and agency EOC.
- 6. Providing public information officer support to the Office of the Governor, the state EMD, the state EOC, or the lead state agency during applicable response and recovery activities.

3. Support Agencies

a. Washington State Department of Ecology

- 1. Investigates spills and pollution causes.
- 2. Provides flood control, dam safety, debris removal from rivers and lakes, and assessment and condition reports for flood control facilities such as dams, dikes, drainage, and sanitary sewage systems.
- 3. Monitors water contamination.

b. Washington State Office of Financial Management

Specifies and communicates funding of the emergency response and recovery activities.

c. Washington State Department of Fish and Wildlife

1. Provides water trucks.
2. Provides hydraulics permit requirements.
3. Supplies aerial reconnaissance.

d. Washington State Department of Labor and Industries

1. Examines electrical installations, boilers, pressure vessels, and manufactured housing.
2. Assures safety compliance for response and recovery activities.
3. Supplies laboratory services and equipment to detect hazardous materials.

e. Washington State Department of Licensing

1. Verifies licenses of professional and technical personnel assisting in response and recovery activities.
2. Provides licensee information as necessary.

f. Washington State Department of Natural Resources

1. Participates on PW Teams to conduct inspections of state and local facilities damaged by an emergency or disaster.
2. Provides aerial reconnaissance, as requested.
3. Supplies bulldozers, trucks, and other heavy equipment.

g. Washington State Department of Transportation

1. Reconstructs, repairs, and maintains the state transportation system. Designates alternate routes in coordination with local jurisdictions and ports.
2. Coordinates the mobilization of personnel and equipment required for engineering services that support the transportation system.

3. Maintains liaison with the Washington State Chapter of the Association of General Contractors, the Association of General Contractors of America and construction and equipment rental companies.
4. Conducts damage assessments of the state's transportation system and facilities as a member of the internal PDA Team.
5. Conducts damage assessments on non-state transportation system facilities as a member of the internal PDA Team, as personnel become available.
6. Conducts inspections of the state's transportation system and facilities as a member of the internal PW Team.

h. Washington State Patrol

1. Ensure that WSP operated emergency communications infrastructures are maintained and provide technical assistance to restore external communication systems.
2. Provides security, when requested and as resources are available.
3. Provides aerial reconnaissance, when requested and as resources are available.

i. Federal Emergency Management Agency

1. Provides liaison personnel, the Advance Emergency Response Team, to the state EOC.
2. Provides support to the state as required and establishes response and recovery priorities in coordination with the state.
3. Coordinates with state and local jurisdictions to maximize the use of available regional assets and identifies resources required from outside the region.
4. Provides damage assessments and reports to the state EOC, U.S. Army Corps of Engineers and the FEMA Regional Operations Center (ROC).
5. Provides Situation Reports (SITREPs) to the state EOC.
6. Establishes communications with the U.S. Corps of Engineers and other federal agencies.

7. Utilizes designated support agencies.
8. Executes assigned ESF 3 missions.
9. Supports other ESFs as necessary.
10. Provides administrative support, mapping, communications, equipment, and personnel to ESF 3.
11. Provides public affairs support to the Joint Information Center (JIC) and Congressional Liaison Officer.

j. U.S. Army Corps of Engineers

1. Provides liaison personnel, the Advance Emergency Response Team, to the state EOC.
2. Provides support to the state as required and establishes response and recovery priorities in coordination with the state.
3. Coordinates with state and local jurisdictions to maximize the use of available regional assets and identifies resources required from outside the region.
4. Provides damage assessments and reports to the state EOC, U.S. Army Corps of Engineers and the FEMA ROC.
5. Provides SITREPs to the state EOC.
6. Establishes communications within the U.S. Corps of Engineers' channels and with other federal agencies.
7. Utilizes designated support agencies.
8. Executes assigned ESF 3 missions.
9. Supports other ESFs, as necessary.
10. Provides administrative support, mapping, communications, equipment, and personnel to ESF 3.
11. Provides public affairs support to the JIC and Congressional Liaison Officer.
12. Maintains fiscal controls, accounting, and timekeeping for mission assignments.
13. Assures there is physical and fiscal closure on response and recovery activities.

G. Recovery Activities

Primary and Support Agencies

Continues with response and recovery activities until completed.

V. RESPONSIBILITIES

A. Primary Agency

Washington State Department of General Administration

When other state and local governments have exhausted their supplies and capacity, provides under the direction of the Operations Chief, public works and engineering support to the state and local jurisdictions for the demolition of unsafe structures, debris and wreckage clearance, temporary repair of essential facilities and the inspection of facilities during or following an emergency or disaster.

B. Support Agencies

Washington State Departments of Ecology, Fish and Wildlife, Labor and Industries, Licensing, Natural Resources, Washington State Patrol, Transportation, Military Department, Office of Financial Management, Conservation Commission, Parks and Recreation Commission, All Other State Agencies, Federal Emergency Management Agency, and the U.S. Army Corps of Engineers.

Assists the Department of General Administration in providing public works and engineering support during an emergency or disaster.

VI. RESOURCE REQUIREMENTS

See *Washington State Department of General Administration Disaster Plan*.

VII. REFERENCES

See *Washington State Department of General Administration Disaster Plan*.

VIII. DEFINITIONS AND ACRONYMS

See CEMP Basic Plan, Appendix A.