



## Emergency Support Function #12 Energy Annex

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<b>Primary Agency:</b>	Department of Energy
<b>Support Agencies:</b>	Department of Agriculture, Rural Utilities Service Department of Defense Department of Homeland Security Department of the Interior Department of State Department of Transportation, Office of Pipeline Safety Nuclear Regulatory Commission Tennessee Valley Authority

### *I. Introduction*

#### **A. Purpose**

Emergency Support Function (ESF) #12 — Energy helps restore the Nation’s energy systems following a major disaster, emergency, or other significant event requiring Federal response assistance. In addition, the Department of Energy (DOE) members of ESF #12 provide direct coordination with all other department response elements.

#### **B. Scope**

ESF #12 gathers, assesses, and shares information on energy system damage and estimations on the impact of energy system outages within affected areas. Additionally, this ESF works closely with and aids in meeting requests for assistance from State and local energy officials, energy suppliers, and deliverers.

Within the ESF #12 agencies are a variety of assets and resources that may be used in response to any event involving energy or multihazard problems. “Energy” includes producing, refining, transporting, generating, transmitting, conserving, building, and maintaining energy systems and system components; “multihazard” includes radiological materials, weapons of mass destruction (WMD), and terrorism incidents.

Damage to an energy system in one geographic region may affect energy supplies in other regions that rely on the same delivery systems. Consequently, energy supply and transportation problems can be intra-State, inter-State, and international.

### *II. Policies*

- A. Upon activation of ESF #12, DOE Headquarters (HQ) will establish the HQ Emergency Management Team (EMT).

- B. DOE HQ will assign personnel to temporary duty at the Department of Homeland Security (DHS) HQ, Regional Operations Center (ROC), and Disaster Field Office (DFO) as needed.
- C. The ESF #12 priority will be to save lives, protect property, and assist other ESFs by aiding in the restoration of damaged energy systems.
- D. Within 24 hours of implementation of the Federal Response Plan (FRP) or on instruction from DHS, DOE HQ will start submitting situation reports to DHS.

### ***III. Situation***

- A. The suddenness and devastation of a disaster, either natural or manmade, may sever key energy lifelines, constraining supply in affected areas and most likely adversely impacting adjacent areas, especially those with supply links to the directly affected areas. Such an event also could affect transportation, communications, and other lifelines needed for public health and safety.
- B. Basic planning assumptions for such an event:
  - 1. There may be widespread and possibly prolonged electric power failures;
  - 2. The transportation and telecommunications infrastructures may be affected; and
  - 3. Delays in the production, refining, and delivery of petroleum-based products may occur as a result of loss of commercial electric power.
- C. ESF #12 response and restoration activities:
  - 1. Serve as the focal point within the Federal Government for receipt of reports on damage to energy supply and distribution systems and requirements for system restoration;
  - 2. Advise Federal, State, and local authorities on priorities for energy restoration, assistance, and supply;
  - 3. Assist industry, State, and local emergency response actions;
  - 4. Assist Federal departments and agencies by locating fuel for transportation, communications, emergency operations, and national defense;
  - 5. Recommend Federal actions to conserve fuel and electric power; and
  - 6. Provide energy supply information and guidance on the conservation and efficient use of energy to Federal, State, and local governments and to the public.

## ***IV. Concept of Operations***

### **A. National Level**

1. Assess fuel and electric power damage, energy supply and demand, and identify requirements to repair energy systems:
  - a. Coordinate closely with Federal and State officials to establish priorities to repair damaged energy systems, and coordinate the provision of temporary, alternate, or interim sources of emergency fuel and power; and
  - b. Obtain current information regarding damage to energy supply and distribution systems and assess the requirements for restoration..
2. Provide timely and credible energy supply forecasts.
3. Provide technical experts on energy supply production and delivery to coordinate energy information exchange.
4. Coordinate with other ESFs to provide timely and accurate energy impact information, recommend options to mitigate impacts, and coordinate repair and restoration of energy systems.
5. Operate around-the-clock from the DOE HQ Operations Center (OC), telephone (202) 586-8100.

### **B. Regional Level**

1. Appoint a person to represent ESF #12 in its dealings with the Federal Coordinating Officer (FCO), the State Coordinating Officer (SCO), and any other pertinent Federal, State, and local officials.
2. Obtain information regarding energy impacts and provide input to situation and other reports to the national ESF through the DOE OC.
3. Coordinate with Federal and State officials and energy industries in the region regarding priorities to repair damaged energy systems.
4. Through the DOE OC, provide direct coordination with all other DOE response elements.

### **C. Response Actions**

1. DOE's HQ EMT will:
  - a. Activate DOE's disaster response procedures;
  - b. Brief the ESF #12 representative to the Catastrophic Disaster Response Group (CDRG);
  - c. Assign, as necessary, staff representation to the Emergency Support Team (EST) at DHS;

- d. Arrange, as necessary, for ESF #12 representation at the regional level; and
  - e. Use available information to determine the status and assess the energy impacts of the disaster, including resources needed to respond.
2. At the regional level, ESF #12 will:
    - a. Receive and respond to requests for information from States, local governments, other Federal agencies, and industry;
    - b. Assist the FCO and SCO to establish priorities to repair damage;
    - c. Identify needed resources to repair or restore damaged energy systems; and
    - d. Provide periodic situation and any other reports as directed by DOE HQ.

## ***V. Responsibilities***

### **A. Primary Agency: Department of Energy**

1. Serve as the focal point for issues and policy decisions relating to energy in all response and restoration efforts.
2. Monitor energy system damage and repair work.
3. Collect, assess, and provide information on energy supply, demand, and prices; contribute to situation and after-action reports.
4. Identify supporting resources needed to restore energy systems.
5. Deploy DOE response teams as needed to affected area(s) to assist in response and restoration efforts.
6. Review and sponsor, to DHS, the energy industry's requests for Telecommunications Service Priority (TSP) assignments to provision new services.

### **B. Support Agencies**

#### **1. Department of Agriculture, Rural Utilities Service**

- a. Provide advice regarding the restoration of electrical power in Rural Utilities Service (RUS)-financed systems. This includes estimating system damage, available supply, and the need for local assistance.
- b. Provide emergency credit to RUS-financed rural electrification systems.
- c. Identify surplus power available from RUS-financed systems and other sources, and help make it available to areas of need.

#### **2. Department of Defense**

##### **a. Director of Military Support**

Report damage assessment and recommend priorities to ESF #12 for restoring energy service to critical defense facilities.

**b. U.S. Army Corps of Engineers**

Coordinate emergency power team taskings with power-system restoration activities to assist in setting priorities and ensure time and resources are not wasted in providing support to a facility that is about to have its power restored.

**3. Department of Homeland Security**

- a. Assist DOE in its efforts to aid the energy industry to provide new services or to restore existing services that are assigned TSP restoration priorities.
- b. Assess damage to telecommunications identified by DOE as essential for energy system restoration (Electrical Service Priorities).

**4. Department of the Interior****a. Bureau of Land Management**

- (1) Provide information on energy production and supply on Federal lands.
- (2) Assess damage to production and transmission systems.
- (3) Provide engineering and technical support as necessary.

**b. Bureau of Reclamation**

- (1) Provide technical assistance for assessment of hydroelectric facilities and flood control actions as they affect energy production.
- (2) Use Bureau of Reclamation personnel to assist in repair of damaged hydropower generation facilities.
- (3) Modify operations at Bureau of Reclamation facilities to increase electrical generation to supplement losses in areas damaged by a disaster.
- (4) Use hydroelectric plants' internal restart capabilities to assist in restoring the power system if blackouts occur.

**c. Minerals Management Service**

- (1) For offshore facilities, provide energy production and well reserve information.
- (2) Assess energy production damage and projected repair schedules for offshore facilities.
- (3) Provide engineering and technical support as necessary.

**5. Department of State**

- a. Coordinate with foreign nations and international organizations for assistance and information regarding energy supply and system damage.
- b. Assist in implementation of emergency-related international energy agreements.

**6. Department of Transportation, Office of Pipeline Safety**

Respond to requests for waiver of restrictions to meet emergency requirements.

**7. Nuclear Regulatory Commission**

Report power status of nuclear power plants in affected areas.

**8. Tennessee Valley Authority**

- a. Assess supply, system damage, and repair requirements within the Tennessee Valley Authority.
- b. Supply surplus power as required to the power grid.
- c. Supply critical replacement parts and equipment as requested.
- d. Supply technical expertise as requested.