

## **Emergency Support Function 12 Energy & Utilities**

### **ESF Coordinator:**

Emergency Management

### **Primary Agencies:**

Emergency Management  
Elected Officials

### **Support Agencies:**

Bureau of Reclamation  
Grant County PUD  
Williams Pipeline  
Cascade Natural Gas  
US Army Corp of Engineers

## **I. INTRODUCTION**

### **A. Purpose**

To provide for effective use of available electric power, water resources, telecommunications, natural gas, and petroleum products required to meet essential needs, and to facilitate restoration of energy and utility systems affected by an emergency or disaster. Grant County includes commercial and public utilities in their coordination of damage assessments, operational capabilities, and restoration actions.

### **B. Scope**

The term 'energy/utility' includes producing, refining, transporting, generating, transmitting, conserving, building, distributing, and maintaining energy/utility systems and system components.

1. Assessments of current energy/utility capabilities, capacities, and reserves within Grant County.
2. ESF 12 collects, evaluates, and shares information on energy/utility system damages and estimates on the impact of energy/utility system outages within the affected areas.
3. ESF 12 also provides information concerning the energy/utility restoration process such as projected schedules, percent of completion of restoration, geographic information on the restoration and other information as appropriate. This ESF applies to all emergencies considered in the Hazard

Identification and Vulnerability Analysis (HIVA) which is a supporting document to the CEMP.

## **II. POLICIES**

- A.** Restoration of normal operations at energy facilities is the responsibility of the facility owners, managers and operators. Local government support while desired may be limited.
- B.** All energy/utility providers, whether publicly or privately owned, should be prepared to respond to energy related needs resulting from an emergency or disaster. Many utilities work under an agreement which may mandate Emergency and Preparedness Plans.
- C.** ESF 12 addresses significant disruptions in energy/utility supplies for all hazards, whether caused by physical disruption of energy transmission and distribution systems, unexpected operational failure of such systems, planned interruptions, or unusual economic or international political events.
- D.** ESF 12 addresses the impact that damage to an energy system in Grant County may have on energy/utility supplies, systems, and components in other districts relying on the same system. Consequently, energy/utility supply and transportation problems can be within Grant County, intrastate, interstate, and international.

## **III. SITUATION**

### **A. Emergency/Disaster Conditions and Hazards**

Emergencies, both natural and man made can have profound effects on the public and privately owned utilities in Grant County. The ability to quickly restore damaged water, power, natural gas, telephone and sewer systems is essential to maximizing the life safety, health, and minimizing the economic impact of a disaster. Reference to the Grant County Hazard Identification and Vulnerability Analysis (HIVA, a supporting document to the CEMP).

### **B. Planning Assumptions**

- 1.** Continuity of Operations Plans (COOP) for emergencies may be established by each operator of a public utility in Grant County.
- 2.** Widespread and possibly prolonged energy/utility failures could result in impacts that could affect transportation, media, telecommunications, and other lifeline infrastructures which would affect the public health and safety of the citizens in Grant County.

3. During and after emergencies, public utilities will operate within their authorized service areas and according to their respective charters. Should these utilities be unable to supply Grant County with their service the EOC will request additional support from the State EMD.
4. Delays in the production, refining and delivery of petroleum-based products may occur as a result of damaged storage supplies or transportation infrastructure and/or loss of commercial electrical power.

#### **IV. CONCEPT OF OPERATIONS**

##### **A. General**

The occurrence of a major disaster could destroy or disrupt all or portions of the County's energy and utility systems.

1. Types of public utilities providing services in Grant County are electric, gas, water, sewer, petroleum products, and commercial communications.
2. Responding to energy/utility shortages or disruptions and their effects is necessary for the preservation of public life, safety, health, and general welfare of Grant County citizens.
3. The EOC will collect information on damaged utility and energy resources and for identifying requirements to repair those systems.
4. While restoration of normal operations at energy/utility facilities is the primary responsibility of the owners of those facilities, ESF 12 provides the appropriate supplemental assistance and resources to enable restoration in a timely manner when requested.

##### **B. Organization**

###### **1. Emergency Management**

The Emergency Management program serves, Grant County and the incorporated municipalities of Coulee City, Ephrata, Electric City, George, Hartline, Krupp, Mattawa, Moses Lake, Quincy, Royal City, Soap Lake, Wilson Creek and Warden. Operations are under the direction of the Emergency Management Director appointed by the Board of County Commissioners, other staff includes Coordinators and volunteer Public Information Officers (PIOs).

###### **2. Electricity**

The Grant County area is served by the Grant County Public Utility District (PUD) and relies on the trained and experienced personnel of the PUD to have the capability to provide power even under the most extreme conditions.

**3. Water/Sewer**

Water supply and sewer systems within the county are both publicly and privately owned systems which are organized at municipal and district levels. Municipalities operate their own water treatment, distribution and sewage disposal facilities. The primary systems serving the rural County area are the municipalities, associations or owners which have developed their own public and sewer disposal systems.

**4. Natural Gas**

Natural gas is primarily in the Moses Lake and Quincy areas. It is brought into the County by Williams Pipeline, and transferred to Cascade Natural Gas Company for commercial and residential service. Distribution of natural gas is subject to control by the Federal government in response to supply and demand.

**5. Petroleum Products**

Home heating oil and Liquid Propane Gas (LPG) service in Grant County is provided by local vendors and is individually delivered to their specific customers.

**6. Commercial Communications**

Communication services are provided by multiple vendors whose commercial toll lines, cellular, and satellite systems provide service within Grant County.

**C. Procedures**

1. The energy and utility systems will continue to provide services through their established service area and operate within their Continuity of Operations Plan (COOP).
2. Energy and utility information should be furnished to local emergency government officials to inform the local public on the safe use of services.
3. Energy and utility companies should compile preliminary damage assessment reports and transmit them to the EOC as needed or upon request. The EOC will collect, evaluate and report conditions to public safety and other impacted agencies and organizations.
4. Energy and utility companies should provide representation to the EOC as requires.

**D. Mitigation Activities**

Grant County Emergency Management has identified local energy and utility sources within the County's HIVA (a supporting document to the CEMP) and continues to update these sources.

**E. Preparedness Activities**

1. All public utilities will maintain emergency call lists, operating procedures and emergency resources and update them as needed.
2. Grant County Emergency Management in coordination with the utility council will develop guidelines for priority use of public utility resources where they may be insufficient supplies to meet essential needs, and coordinate with local Public Information Officers (PIOs) in the preparation of news releases to inform the public of conservation and safety measures.
3. Conduct and participate in energy emergency exercises with the energy industry and local governments to test written plans and to prepare for energy emergencies.
4. Participate in hazard mitigation studies to reduce the adverse effects of future disaster.

**F. Response Activities**

1. All water and energy utilities will be contacted by the EOC staff to collect current preliminary damage assessment information.
2. Utilities will coordinate the mobilization of personnel and equipment required for emergency repair of facilities and assist with conducting damage assessment operations and reporting these assessments to the EOC.
3. The Grant County Emergency Management will activate the EOC, notify the State EMD and identify energy/utility resources which are in short supply and are necessary for the life safety and health of the population. DEM will coordinate information with local Point of Contacts from affected utilities and their PIO's to develop emergency public information.
4. An Energy/Utility Liaison will be establish to work in the EOC and will be responsible for the coordination of energy resources.

5. Utilities will be requested to provide the EOC with a single point of contact for emergency operations and conducting operations in accordance with internal procedures for emergency operations and disaster response.

## **G. Recovery Activities**

1. The EOC will coordinate with State and Federal agencies for supplemental energy resources, including electricity, water, natural gas, petroleum products, etc.
2. The EOC will assist in compiling damage assessment reports and act upon request for State and Federal Assistance as needed.
3. The Utility Liaison should coordinate with the EOC and local governments to determine priorities among users if adequate utility supply is not available to meet all essential needs, and coordinate supporting resources for utility restoration and repair to meet essential needs.
4. The EOC will coordinate and conduct a post-disaster situation analysis to review and determine the effectiveness of the pre-established tasks, responsibilities, reporting procedures and formats to document any crucial lessons-learned and to make revisions to plans as needed for future events.

## **V. RESPONSIBILITIES**

### **A. Primary and Support Agencies**

1. Maintain liaison with local utilities and provide 24-hour emergency contact information to include critical personnel, emergency chain of command, and notification procedures.
2. Provide accurate and timely emergency public information coordinated through the EOC.
3. Document all emergency related energy or utility expenditures, obligations, and situation reports for State and Federal government assistance to aid Grant County's recovery process.

### **B. Primary Agency**

1. Emergency Management will provide an Operations Coordinator in the EOC to coordinate the evaluation, allocation and restoration of energy resources. The Operations Coordinator will advise the Emergency Manager and Emergency Chairman on the utilization of available resources.

2. EOC staff will identify the needs and appropriate responses and facilitate interactions between different utilities during an emergency. Direction and control of the operational capabilities for the utilities will reside with the respective Directors or Managers of the utility companies.
3. EOC staff will assist with the coordination of permit issuance to utilities to do work on county and city roadways, coordinate the inspection of public utility services installed in road right-of-way and for transport of over weight equipment and loads during emergencies..

### **C. Support Agencies**

1. Municipal Utility Directors will
  - a. Follow the WAC 194-22 for State Curtailment Plan for Electric Energy.
  - b. Provide the EOC with accurate and timely information regarding their department's location and extent of outage or disruptions, capabilities and availability of staff, equipment and materials for restoration.
  - c. Provide a representative to the EOC if available.
  - d. Ensure compliance with the state statutes and local codes through inspection, review of design, construction management, and issuing of required permits.
  - e. Deploy available resources to support emergency repair, reconstruction and restoration of services.
  - f. Coordinate out-of-area private and public energy assistance.
2. The US Army Corps of Engineers will act as needed in response to flooding under Public Law 84-99. The Corps will also provide support to state and local engineering efforts if a Presidential Major Disaster Declaration is in effect and if FEMA has issued a mission assignment to the Corps.

## **VI. RESOURCE REQUIREMENTS**

Each support agency has general purpose and specialized equipment and resources that may be useful in emergency conditions, inventories of these resources will not be maintained as part of this plan, but will be maintained as part of the Operations Coordinator's working references in the EOC.

## **VII. REFERENCES**

*see Appendix 2 of the Basic CEMP*