

EMERGENCY SUPPORT FUNCTION – 12

Energy

PRIMARY AGENCY:	Public Works
SUPPORT AGENCIES:	Parks and Recreation Department
	Fire Department
	Puget Sound Energy

I. INTRODUCTION

A. PURPOSE

The primary and support organizations of ESF-12 coordinate with energy utilities and related private and governmental organizations to provide information for assessment, response, and recovery operations related to fuel shortages, power outages, and capacity shortages that may impact Redmond citizens during an event.

B. SCOPE

Depending on the magnitude and extent of the incident, the following may occur:

1. Communication and coordination between the City and energy providers to assess energy system damage, energy supply, and energy demand.
2. Determination with businesses that provide/offer such products of fuel needed for emergency operations.
3. Relaying of information and guidance on energy conservation.

II. POLICIES

The City of Redmond Public Works will establish liaison with public or private utility providers to coordinate disaster and emergency needs and services.

III. SITUATION

C. INCIDENT CONDITIONS AND HAZARDS

1. See the City of Redmond Basic CEMP for a description of potential emergency conditions (Mitigation Activities section) and vulnerable population information (Access and Functional Needs section).

2. The sudden onset of an incident may sever key energy transmission, generation, or distribution systems, thereby constraining supply in affected areas and potentially adjacent areas as well, particularly those with supply links to the directly affected areas.

D. PLANNING ASSUMPTIONS

1. No guarantee of a perfect response system is expressed or implied by this ESF. The City of Redmond will make every reasonable effort to respond based on the situation, information, and resources available at the time of the incident.
2. Available resources may become limited due to high-demand in a large-scale incident.
3. All departments are required to support this ESF as necessary.
4. The occurrence of a large-scale incident may destroy or damage portions of the State's energy and utility systems and disrupt petroleum and natural gas supplies.
5. Widespread and possibly prolonged electric power failures may occur in a large-scale incident.
6. The transportation, media, and telecommunications infrastructures may be affected.
7. Delays in the production, refining, and delivery of petroleum-based products may occur as a result of transportation infrastructure problems and loss of commercial electrical power.

IV. CONCEPT OF OPERATIONS

E. GENERAL

1. Response to energy or petroleum shortages or disruptions and their effects is necessary for the preservation of the public health, safety, and general welfare of Redmond citizens. Activities during an energy emergency include:
 - Assessing fuel and electric power damage.
 - Assessing energy supply and demand.
 - Coordinating with electric utilities and the petroleum and natural gas industries to identify requirements to repair energy systems.
 - Coordinating closely with federal, State, and local jurisdiction officials to establish priorities to repair damaged energy systems.
 - Coordinating temporary, alternate, or interim sources of emergency fuel and power; obtaining current information regarding damage to energy supply and distribution systems.
 - Assessing the requirements for restoration.

F. PROCEDURES

1. The energy, utility, and petroleum distribution systems should provide services through their normal means, during an incident, to the maximum extent possible.
2. Energy, utility, and petroleum companies should furnish information to emergency government officials at all levels to inform the public about the proper use of services.
3. Energy, utility, and petroleum companies should compile damage assessment reports and transmit them to the County ECC, as needed or requested. The City Emergency Coordination Center (ECC) collects, evaluates, and reports on current conditions relative to staffing, equipment, and supplies to the appropriate emergency agencies.
4. Contact with utility providers is established by the City ECC to coordinate resources, establish priorities, assess and document damages and provide information to the public. The City ECC initiates information programs to keep the public informed of utility status and any restrictions, as needed or when requested.
5. Public Works advises public utilities operating in the City of Redmond of federal or state restrictions, emergency restrictions, or any operating policies established by the City.

G. PREVENTION AND MITIGATION ACTIVITIES

1. Review the Redmond Hazard Mitigation Plan (HMP) as a department and discuss implementation strategies.
2. Collect information on transmission infrastructure and major pipeline locations.
3. Maintain and monitor trees and other vegetation near transmission lines.
4. Maintain an emergency or back-up fuel supply.
5. Promote water conservation strategies.

H. PREPAREDNESS ACTIVITIES

1. Prepare and update contingency plans for implementation in the event of energy shortages or emergencies and maintain liaison with energy and utility companies regarding these plans.
2. Collect and analyze energy data and report to the Office of Emergency Management on probable, imminent, and existing energy shortages.
3. Maintain lists of public and private utilities, petroleum distribution and storage and companies, including names, addresses, and telephone numbers of key officials.
4. Develop and maintain an inventory of energy, utility, and petroleum contacts and resources, noting availability and response criteria.

I. RESPONSE ACTIVITIES

1. Provide liaison with utility and petroleum and natural gas distribution companies.

2. Inform the Director of Emergency Preparedness (Fire Chief) and the City ECC when conditions exist that may warrant the proclamation of a citywide emergency or energy supply alert.
3. Compile damage assessment estimates from energy and utility companies.
4. Assist with transportation issues regarding utility vehicles responding to energy emergencies.
5. Provide information to the City ECC regarding:
 - a) Status of fuel island and supply adequacy
 - b) Location, extent, and restoration status of electricity supply outages or disruptions
 - c) Status of shortages or supply disruptions for natural gas
6. Coordinate communications related to energy availability and distribution issues during an energy incident.
7. Recommend priorities among users should the utility supply be unavailable to meet all essential needs.
8. Coordinate public information concerning energy, utilities, and petroleum emergencies with the City ECC and Public Information Officer (PIO) / Joint Information Center (JIC).

J. RECOVERY ACTIVITIES

1. Compile damage and operational capability information from energy and utility companies.
2. Administer energy allocation and curtailment programs in accordance with the Governor's energy emergency powers legislation.
3. Coordinate supporting resources for utility restoration and repair to meet essential needs.
4. Coordinate supporting resources for petroleum companies and distributors for restoration and repair to meet essential needs.
5. Create After-Action reports and Lessons Learned reports and submit them to the Office of Emergency Management for review.

V. RESPONSIBILITIES

1. Provide information or support during response to an energy emergency based on the nature, severity, and extent of the incident
2. Assess availability of energy resources (petroleum, liquid petroleum, natural gas, and/or electricity) and the demand for those resources by sector.
3. Work closely with other energy and utility companies to coordinate and implement response and to assess impact and damage.

VI. RESOURCE REQUIREMENTS

1. Inventory lists of private and public organizations that have power generating ability.
2. Inventory lists of fuel storage areas by type, location, and capacity.
3. Necessary personnel and equipment to restore power to affected areas in a timely manner.

VII. FURTHER MATERIALS FOR REFERENCE

1. Washington State Energy Assurance and Emergency Preparedness Plan
2. City of Redmond Hazard Mitigation Plan (HMP) and King County Regional Hazard Mitigation Plan (KCRHMP). See the Resources section of the Redmond CEMP Basic Plan or the Emergency Plans page in the Public Safety section of www.redmond.gov for links.
3. Refer to primary and supporting departments' plans for further information supporting this ESF.