

EMERGENCY SUPPORT FUNCTION #12

ENERGY

ESF COORDINATOR: **Public Works Director**

LEAD AGENCY: **Public Works Department**
 Puget Sound Energy

SUPPORT AGENCIES: **Emergency Operations Center**
 Zone 1 Emergency Coordinator
 King County Emergency Coordination Center

I. INTRODUCTION

A. Purpose

ESF #12 - Energy is intended to restore damaged energy systems and components during a potential or actual disaster and to provide for the effective utilization of available electric power and natural gas, as required, to meet essential needs in the City of Snoqualmie (City) during a disaster. This ESF provides for electricity and natural gas systems only. Other utilities such as water and sewer are coordinated through ESF # 3 Public Works and Engineering.

B. Scope

This ESF addresses the collection, evaluation and coordination of information on energy system damage and estimations on the impact of energy system outages within the City. The term “energy” includes producing, refining, transporting, generating, transmitting, conserving, building, distributing, and maintaining energy systems and system components. Additionally, ESF #12 provides information concerning the energy restoration process such as projected schedules, percent completion of restoration, geographic information on the restoration, and other information as appropriate.

C. Situation

The suddenness and devastation of a public emergency, either natural or human-caused, may sever key energy infrastructure, 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 infrastructure

necessary for sustaining public health and safety, as well as maintaining the continuity of government and a number of critical infrastructures.

1. A public emergency or other significant event may be of such severity and magnitude as to require City response and recovery assistance to field efforts to save lives and protect property.
2. Weather conditions such as temperature extremes, snow, rain, and high winds may pose additional hazards for first responders and utility crews.
3. Power and fuel are critical to protecting lives and property and maintaining the continuity of the government, business, transportation, emergency services, and other critical infrastructures.
4. Damage to an energy system in one geographic region may affect energy supplies in other regions that rely on the same delivery systems. For instance, damage to the electric power system in one jurisdiction could have a rippling effect on supplies, distribution, or transmission systems of electric power or petroleum products in the neighboring states.

D. Assumptions

1. There may be widespread and possibly prolonged electric power outages or interruptions.
2. There may be widespread and possibly prolonged disruption to the supply and distribution of natural gas.
3. Transportation and telecommunication infrastructures may be affected.
4. Delays in the delivery of petroleum-based products may occur as a result of loss of commercial electric power.
5. The resources routinely available within the affected emergency area may be inadequate to conduct comprehensive response
6. Fire and EMS 800-MHz radio communication may be compromised, either totally or in part. Utility companies' communication systems may be compromised, either totally or in part.
7. Access may be hampered by bridge failures, traffic, landslides, damaged road systems, air traffic restrictions, etc., making conventional travel to the incident location extremely difficult or impossible.

8. Control of utilities, including Gas, Water, and Electricity, will be in collaboration with local utility companies.
9. During periods of abnormal weather or in the event of multiple unanticipated outages there may be occasional times when generating capacity is limited or falls below customer demand.
10. There will likely be an urgent need for restoring power at critical facilities
11. There may be widespread and prolonged electrical power failure. With no or little electrical power, communications will be effected and traffic lights will not operate, causing surface gridlock. Such outages will impact other public health and safety services, including the movement of petroleum products for transportation and emergency power generation

E. Policies

1. All activities within ESF #12 – Energy will be conducted in accordance with the National Incident Management System (NIMS) and the National Response Framework (NRF) and will utilize the Incident Command System (ICS).
2. As a signatory of the King County Regional Disaster Plan and through local mutual aid agreements, the City will make resources available to other jurisdictions through the Zone 1 Emergency Coordinator (Z1 EC) and King County Emergency Coordination Center (KC ECC), whenever possible.
3. Energy and natural gas is provided to the City by Puget Sound Energy (PSE). Restoration of normal operations at energy facilities is the responsibility of the facility owners.
4. The Public Works Department (PW) will be responsible for coordinating the activities with ESF #12 with PSE.
5. The City has established the protection of lives and property as the top priority during a disaster.
6. During an emergency or disaster, City departments and other organizations, such as utility companies, may need the authority to go onto private property to evaluate and repair utilities that jeopardize the integrity of public and private property or threaten public health or the environment.

7. The Governor may direct any state or local governmental agency to implement programs relating to the consumption of energy, as deemed necessary to preserve and protect public health, safety, and general welfare, and to minimize to the fullest extent possible the injurious economic, social and environmental consequences of such energy supply alert. (RCW 43.21G.040)

"To protect the public welfare during a condition of energy supply alert or energy emergency, the executive authority of each state or local agency is authorized and directed to take action to carry out the orders issued by the Governor.....a local governmental agency shall not be held liable for any lawful actions consistent with RCW 43.21G.030.....in accordance with such orders issued by the Governor." (RCW 43.21G.050)

II. CONCEPT OF OPERATIONS

A. General

1. The PW is the lead agency for the coordination of public works activities within the City.
2. In the event of a disaster, the PW staff will be mobilized on a case-by-case basis. This will normally be done by telephone or pager through the department's notification procedures. As communication systems may fail in a major event, PW staff should report to work according to the Public Works Department's standard operating procedures.
3. The ICS will be used by PW for all field operations. The Incident Commander will report information and requests to the Emergency Operations Center (EOC).
4. An incident command post (ICP) will be established for the coordination of field operations. The Incident Commander (IC) will provide regular status reports and provide timely reports to the EOC. A unified command system will be utilized, whenever necessary, to enable multiple departments/agencies to coordinate operations with the ICP.
5. While restoration of normal operations at energy facilities is the primary responsibility of the owners of those facilities, ESF #12 provides the appropriate information and resources to enable restoration of services to the City in a timely manner.
6. A natural disaster or other significant event may sever key energy and utility lifelines, constraining supply in impacted areas, or in areas with supply links to impacted areas, and also affect firefighting,

- transportation, communication, and other lifelines needed for public health and safety.
7. There may be widespread and/or prolonged electric power failure. With no electric power, communications will be affected, and traffic signals will not operate, causing service movement gridlock. Such outages will impact all emergency response services.
 8. The PW will assist industry authorities with requests for emergency response actions as they pertain to the restoration of services with the City.
 9. The City concurs with PSE that citizens should turn off gas **ONLY** if a leak is detected (heard or smelled). This City also agrees with PSE that gas service should not be reestablished (turned on) by anyone other than a qualified representative of PSE. There may be a delay for PSE to re-establish gas service once it has been turned off.
 10. To the maximum extent possible during a disaster, utility companies will continue to provide services through normal means.
 11. PSE is responsible for the continuation of service and available energy resources will be used to meet immediate local needs, whenever possible. If shortages exist, requests to meet needs will be submitted through normal emergency management channels. Actions may be necessary to limit the use of energy, water or other utilities until normal levels of service can be restored or supplemented. These resources, when limited, will be used to meet immediate and essential emergency needs (e.g. hospitals, etc.).
 12. Energy and utility information will be furnished to emergency government officials at all levels to inform the public on the proper use of services.
 13. Communications will be through established channels. (See ESF #2 – Communications, Information Systems and Warning)
 14. Department personnel shall operate according to specific directives, department standard operating procedures (SOP) and by exercising reasonable personal judgment when unusual or unanticipated situations arise and command guidance is not available.
 15. When an event requires a specific type or response mode, technical and subject matter expertise may be provided by an appropriate person(s) from a supporting agency with skills relevant to the type of event. The individual will advise and/or direct operations within the context of the Incident Command System structure.

B. Organization

1. The City does not own any energy facilities. Electricity and natural gas is provided by PSE. Restoration of normal operations at energy facilities is the responsibility of the facility owners.
2. PSE is the lead organization for the rapid restoration of infrastructure-related services after an incident occurs. Appropriate entities of the private sector will be integrated into ESF #12 planning and decision-making processes and will be included in the disaster related training and exercise activities of the City.
3. The PW Director will coordinate the activities within ESF #12 with PSE to ensure an effective and efficient response to energy related situation during a disaster within the City.
4. Additional resources or assistance may be obtained through existing mutual aid agreements and/or contracts through private contractors. During a disaster all resources should be accounted for at the EOC. Request for additional assistance should be coordinated through the EOC to the Z1 EC, KC ECC, and/or the Washington State Emergency Management Division (WA EMD).
5. Communications between the IC and the EOC shall be through established channels.
6. A complete list of utility services is provided in Appendix A. This ESF provides for electricity and natural gas systems only. Other utilities such as water and sewer are coordinated through ESF # 3 Public Works and Engineering.

C. Actions

1. **Preparedness**
 - a. Prepare and maintain emergency operating procedures, resource inventories, personnel rosters and resource mobilization information necessary for implementation of the responsibilities of the lead agency,
 - b. Maintain a list of City assets that can be deployed during an emergency; refer to the NIMS Resource Typing in organizing these resources, if applicable,
 - c. Assign and schedule sufficient personnel to implement identified tasks for an extended period of time,
 - d. Ensure lead agency personnel are trained in their

responsibilities and duties,

- e. Develop and implement emergency response strategies relating to energy response
- f. Maintain liaison with support agencies,
- g. Conduct All Hazards exercises involving energy.

2. **Response**

- a. Coordinate operations in the Snoqualmie EOC and/or at other locations as required,
- b. Develop, prioritize and implement strategies for the initial response to EOC requests.
- c. Establish communications with appropriate field personnel to ensure readiness for timely response,
- d. Participate in EOC briefings, development of Incident Action Plans and Situation Reports, and meetings,
- e. Coordinate with support agencies, as needed, to support emergency activities,
- f. Obtain other resources through the Statewide Emergency Management Mutual Aid and Assistance Agreement and/or other Regional Mutual Aid Agreements,
- g. Coordinate with other jurisdictions to obtain resources and facilitate an effective emergency response among all participating agencies,
- h. Monitor and direct response activities to include prepositioning for response/relocation due to the potential impacts of the emergency situation.

3. **Recovery**

The Public Works Director will be a member of the Recovery Task Force and will be the primary coordinator with PSE in the restoration of energy to the City of Snoqualmie. .

4. **Mitigation**

Mitigation efforts for this ESF are covered in the City of Snoqualmie Hazard Mitigation Plan.

III. RESPONSIBILITIES

A. Lead Agency

1. Public Works Department

- a. The PW Director or designee will designate at least one EOC representative to coordinate communications, field operations, and resources for maintenance crews from the EOC when it is activated.
- b. PW will provide damage assessments of public utility facilities. The department will also provide for emergency repairs and restoration of all city-owned facilities. Priority shall be given to facilities which provide critical and essential services.
- c. Coordinate repair operations with outside agencies and private utility field representatives as appropriate.
- d. Provide or contract major recovery work and/or services, as appropriate.
- e. Provide debris removal, emergency protective measures, emergency temporary repairs and/or construction to (a) maintain passable vehicular circulation on priority routes, (b) control flooding on public drainageways or resulting from failure of public drainageways, (c) mitigate damage to public utilities caused by ground movement, and/or (d) mitigate damage to any facility, public or private, resulting from ground movement caused by the failure of public utilities.
- f. Provide emergency public information through the EOC regarding matters of public health hazards related to damaged facilities.
- g. Develop coordination mechanisms (i.e., franchise agreements, letters of understanding, contracts, and other formal documents) with private utilities and other private businesses responsible for electricity and natural gas services to ensure all response and recovery operations are conducted in an orderly manner and in citywide priority sequence to the greatest extent possible.
- h. Monitor energy sector emergency response and recovery operations.
- i. Make specific requests for energy restoration assistance, as needed.
- j. Communications shall be through normal established

channels. (See ESF #2 – Information Systems, Communications and Warning)

2. Puget Sound Energy – Electricity

- a. Provide for the rapid restoration of infrastructure-related electrical services after an incident occurs.
- b. Coordinate with the City on matters relating to ESF #12 planning and decision-making processes.
- c. Participate in disaster related training and exercise activities, when requested.
- d. Provide for the continuation of service and energy resources will be used to meet immediate local needs, whenever possible.
- e. Coordinate with the PW and the EOC to ensure an effective, efficient response during a disaster.

3. Puget Sound Energy – Natural Gas

- a. Provide for the rapid restoration of infrastructure-related natural gas services after an incident occurs.
- b. Coordinate with the City on matters relating to ESF #12 planning and decision-making processes.
- c. Participate in disaster related training and exercise activities, when requested.
- d. Provide for the continuation of service and energy resources that will be used to meet immediate local needs, whenever possible.
- e. Coordinate with the PW and the EOC to ensure an effective, efficient response during a disaster.

B. Support Agency

1. Emergency Operations Center

- a. Submit and coordinate requests for resources to the Z1 EC, KC ECC and/or WA EMD.
- b. Facilitate communication with PSE's EOC to ensure effective and efficient response and recovery activities.
- c. Coordinate all public information and instructions and media

relations as defined in ESF #15 Public Affairs.

2. Fire Department

- a. Provide support in debris removal, emergency protective measures, and utility restoration when appropriate.
- b. Provide support in establishing an ICP.
- c. Provide first line response for fires and other energy-related emergencies requiring trained personnel and equipment.

3. Police Department

- a. Provide assistance in implementing road closures and detours for roadways.
- b. Provide support in field operations as appropriate.
- c. Provide perimeter control due to unsafe conditions.
- d. Provide security and protection of supplies, including escorting fuel and generator delivery, as requested.

4. All Departments

- a. Provide support in the initial damage assessment of city infrastructure.
- b. Provide assessment of damage or endangered structures due to flooding or land movement.
- c. Provide support in field operations activities as appropriate.

5. Zone 1 Emergency Coordinator

- a. Coordinate requests for resources from jurisdictions within Zone 1.
- b. Facilitate communication with local jurisdictions, KC ECC, WA EMD, Seattle City Lights and PSE, as needed.

6. King County Emergency Coordination Center

- a. Coordinate requests for resources from Z1 ECC and/or jurisdictions within King County.
- b. Facilitate communication with Z1 ECC, WA EMD, PSE, and

local jurisdictions, as needed.

7. Washington State Emergency Management Division

- a. Alert appropriate state agencies of the possible requirement to supplement local energy and utility needs.
- b. Coordinate with the Utilities and Transportation Commission and State Energy Office to provide supplemental assistance to local government.

IV. APPENDICES

- A. Energy Services Emergency Contact Information

V. REFERENCES

- A. The National Response Framework, ESF #12 - Energy
- B. Washington State Comprehensive Emergency Management Plan

APPENDIX A
ENERGY SERVICES EMERGENCY CONTACT INFORMATION

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| Puget Sound Energy (gas) | 24-Hr Emergency Svc. | 888-225-5773 |
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| Puget Sound Energy (electric) | 24-Hr Emergency Svc. | 425-225-5773 |
| | (or toll free) | 888-225-5773 |
| | Katherine Taylor, Sr. Local Gov't Affairs Representative | 206-604-5947 |