

Emergency Support Functions Annex

ESF-12 ENERGY

**ESF Coordinator:**

Office of the County Administrator
Office of Emergency Management

Primary Agency:

Office of the County Administrator
Office of Emergency Management

Section:

Operations

Support Agencies:

Columbia Gas
Department of General Services
Dominion Power
Northern Virginia Electric Cooperative
Washington Gas

Branch:

Infrastructure

Group:

Energy

Community Lifeline(s):

Energy

INTRODUCTION

Purpose

Emergency Support Function (ESF)-12 Energy provides guidance and direction to designated agencies responsible for managing, assessing, and restoring energy systems during a significant event.

Scope

ESF-12 Energy coordinates the resources necessary to manage, assess, and restore energy systems during a significant event. Activities within the scope of ESF-12 functions include: monitors and reports conditions; conducts damage assessments of energy systems and infrastructure; coordinates debris removal activities; and coordinates and establishes priorities regarding restoration activities.

Relevant Laws, Statutes, Plans, and Policies

- ▶ Loudoun County Emergency Operations Center (EOC) Policies and Procedures Guide
- ▶ Code of Virginia, Title 56 Public Service Companies, Chapter 23 Virginia Electric Utility Regulation Act

ESF Planning Assumptions

- ▶ The local energy infrastructure will likely sustain damage. The damage, depending upon the integrity of the energy network, will determine the effectiveness and efficiency of response and recovery.
- ▶ Increased usage combined with damage may result in diminished service.
- ▶ An extended power outage may result in communications being inaccessible for a prolonged period of time.
- ▶ The ability to restore energy systems at County and public facilities is contingent upon the availability of commercial repair technicians.
- ▶ Operators of critical infrastructure facilities are responsible for establishing and maintaining alternative energy sources.

ORGANIZATION

ESF Responsibilities

- ▶ Reports to and takes direction from the Infrastructure Branch Director.
- ▶ Provides informational updates to the Planning Section.
- ▶ Develops plans, policies, and procedures necessary to resolve energy issues during the significant event.
- ▶ Documents information and actions related to energy missions and assignments.
- ▶ Utilizes current methods and procedures to process requests for assistance.
- ▶ Submits a detailed record of costs and expenditures to the Finance and Administration Section.

Agency Roles and Responsibilities

Office of Emergency Management (OEM)

- ▶ The agency recognized with ESF coordination. OEM is responsible for overall ESF leadership and coordination associated with energy systems and restoration during a significant event. Emergency operational policies and procedures developed by OEM provide the framework for carrying out these activities.

Department of General Services (DGS)

- ▶ Serves as the department with primary responsibility for documenting, reporting, and assessing emergency systems within County and public facilities.

Energy Providers

- ▶ Provides personnel and equipment to assist with assessment and restoration of energy systems.
- ▶ Serves as primary liaison between provider and EOC for the purposes of reporting service interruptions and providing ongoing status updates.

MISSIONS AND ASSIGNMENTS

Mission 1: Coordinates the resources necessary to manage, assess, and restore energy systems during a significant event.

Assignment 1-1: Identifies, prioritizes, procures, and allocates available resources to maintain and restore essential energy systems.

Assignment 1-2: Considers future (in the subsequent 12 to 24-hour period) resource requirements and conveys to EOC leadership.

Mission 2: Provides situational updates regarding energy systems and infrastructure conditions.

Assignment 2-1: Maintains and updates information related to critical infrastructure damage and restoration activities.

Mission 3: Conducts damage assessments and documents, analyzes, and reports results.

Assignment 3-1: Assesses the condition of integral components of energy systems.

Mission 4: Coordinates debris removal activities.

Assignment 4-1: Coordinates with ESF-3 Public Works and Engineering to ensure debris removal activities impacting energy systems are managed in a collaborative, timely manner.

Mission 5: Coordinates and establishes priorities regarding restoration activities.

Assignment 5-1: Coordinates with commercial service providers to monitor and restore commercial service.

COMMUNITY LIFELINE(S)

Energy

1. Power Grid (Transmission Systems)

- ▶ Identify the status of the power grid.
- ▶ Determine impact to response operations and how they will improve if component is stabilized.
- ▶ Identify actions that must be taken to improve the power grid.
- ▶ Evaluate factors that may limit the ability to make improvements.
- ▶ Establish restoration timeline for the power grid.

2. Fuel (Pipelines)

- ▶ Identify the status of pipelines.
- ▶ Determine impact to response operations and how they will improve if component is stabilized.
- ▶ Identify actions that must be taken to improve pipelines.
- ▶ Evaluate factors that may limit the ability to make improvements.
- ▶ Establish restoration timeline for pipelines.