

Annex 15, Energy Management

Primary Agency	Illinois Commerce Commission (ICC)
Support Agencies	Illinois Department of Natural Resources (IDNR) Illinois Emergency Management Agency (IEMA) Illinois Emergency Services Management Association (IESMA) Illinois Environmental Protection Agency (IEPA) Office of the Attorney General (OAG) Illinois Department of Central Management Services (CMS)

I. Introduction

A. Purpose

1. To provide strategic and operational guidance to support the receipt and exchange of information and mobilization and coordination of resources.

B. Scope

1. This annex establishes policies and strategies and defines agency roles and responsibilities for monitoring, assessment and restoration of critical energy infrastructure and services.
2. For the purposes of the Illinois Emergency Operations Plan (IEOP), critical energy infrastructure and services is considered to include production, generation, transportation, transmission or distribution of energy from existing and proposed systems and assets, whether physical or virtual, the incapacity or destruction of which would negatively affect security, economic stability, public health or safety or any combination of those matters.
3. Strategies and operational guidance remain the responsibility of the public or private entity and/or authority having jurisdiction (AHJ) for various critical energy infrastructure and services including, but not limited to:
 - a) generation, transmission and distribution of electricity by utilities, cooperatives and municipal system; Southeastern Reliability Corporation, PJM Interconnection and/or Mid-Continent Independent System Operator (MISO) LNOs;
 - b) transportation of fuel for electricity generation;
 - c) production and transportation of oil and natural gas;
 - d) transportation via pipeline of petroleum products;
 - e) transmission and distribution of natural gas;

- f) refinery operations; and
- g) storage facilities.

4. This annex does not address permanent restoration efforts.
5. This annex does not address Fuel Waivers and Exemptions, found in IEOP Annex 4, Transportation, App – X3 Waivers and Exemptions.
6. This annex does not address disposal of potential waste or contaminated materials, found in IEOP Annex 13, Oil and Hazardous Materials Response.
7. This annex supplements policy and procedures contained in the IEOP and may be implemented independently from other planning documents.
8. For the purposes of temporary power restoration and the use of state owned, operated or supported generators, the SEOC will determine priorities for allocation and use based on input from SEOC agencies.
9. Laws, rules, regulations and policies of the United States government and agencies involved in risk management, assessment, protective measures and prevention activities for critical infrastructure are considered valid and/or applicable within the state of Illinois.

C. Policy

1. Procedures will incorporate and/or consider operational priorities that include, but are not limited to the protection of life, public health and safety, property protection, environmental protection, restoration of essential utilities, restoration of essential program functions and coordination as appropriate.
2. The governor, or designee, may authorize and direct the use of state resources to provide support and assistance to public or private entities and/or AHJs for critical energy infrastructure and services after consideration of both priority of need and cost.
3. In situations where an imminent threat exists to life safety, or an identified need for the protection of critical infrastructure and environment exists, the most rapid means of response will be taken.
4. For the purposes of life safety, the delivery of life essential resources and/or commodities and economic security, the state of Illinois may waive specific transportation requirements to ensure delivery and sustainment.
5. For the purposes of providing temporary power restoration to structures, the use of a certified electrician is required.

D. Situation Overview

1. An incident has occurred or has the potential to impact critical energy infrastructure and services.
2. For the purposes of planning, disruptions to critical energy infrastructure and services are not addressed as primary hazards in the *Illinois Multi Hazard Mitigation Strategy*; rather, are considered consequence of other natural, human-caused or technological hazards.
3. The private sector owns and operates the majority of the nation’s critical energy infrastructure.

E. Assumptions

1. Utilities maintain Emergency Operations Centers (EOCs) 24/7 to anticipate and monitor problems associated with networks, systems or facilities.
2. Public or private entities and/or the AHJ will begin restoration of energy systems and related components immediately.
3. Damages to any of the critical energy infrastructure and services will have cascading effects on other sectors.
4. Resources required for repairs, restoration and sustainment will be limited in catastrophic events.
5. State agencies will coordinate with public or private entities and/or the AHJ to restore critical energy infrastructure and services.
6. The state and public or private entities and/or the AHJ will establish a common understanding of priorities and strategies for repair, restoration and sustainment of critical energy infrastructure and services.

II. Concept of Operations

A. General

1. State agencies having enabling authority will coordinate with federal, state, local and private sector entities in prioritizing repair, restoration and sustainment of critical energy infrastructure and services.
2. Affected public or private entities and the AHJ will activate internal response plans to coordinate rapid and preliminary assessments, determine location and extent of disruptions and establish restoration times.
3. State monitoring operations will include the use of federal, state and private sector technologies to determine impacted areas and any cascading effects.
4. Requests for support will be based on resource availability, capability, capacity and prioritization of effort and be directed through the SEOC.

5. Resource shortfalls will be met through activation of mutual aid agreements, service contracts and utilization of personnel to fulfill assigned missions.
 6. Personnel assigned missions through the SEOC will be trained to the assigned mission and, to the extent possible, be made aware of potential risks involved.
- B. Notification, Alert and Warning
1. Notification of state agencies and organizations will be carried out in accordance with Annex 2, Communication, App-X1 Notification.
 2. Primary and support agencies are responsible for internal and support partner notification.
 3. State agencies will be contacted by public and private entities in response to a potential or actual emergency meeting certain criteria.
- C. Activation
1. The SEOC will provide state support through the activation of identified liaisons in accordance with SEOC Activation Level Standard Operating Procedure.
 2. SEOC Activation Level SOP will be used to determine staffing levels necessary for damage assessment coordination.
- D. Communications
1. Communications throughout response and recovery will be conducted in accordance with standard operating procedures and managed using established procedures, processes and policies outlined in IEOP Annex 3, Communications.
 2. Communications will be conducted in a National Incident Management System compliant manner utilizing clear-text and frequencies coordinated with the SEOC.
- E. Reporting Requirements
1. Reporting requirements will be coordinated and managed in accordance with state and federal laws, rules, regulations, policy and procedure.
 2. Jurisdictional electric utilities will notify ICC when any single event (e.g., storm, tornado, equipment malfunction, cyber etc.) causes interruptions for 10,000 or more of the jurisdictional entity's customers for three hours or more.

3. Jurisdictional electric utilities will provide updates every two hours to the ICC during the normal business day until service is restored to all customers involved.
 4. Jurisdictional gas utilities will notify ICC when any single event causes interruptions for 50 or more of the jurisdictional entity's customers for twelve hours or more. (83 Ill. Adm. 501, Section 501.520)
 5. Jurisdictional gas operators will notify ICC when any single event involving the release of natural causes:
 - a) Death or injury requiring hospitalization; or
 - b) Property damage of \$50,000 or greater; or
 - c) The unintentional release of 3,000,000 cubic feet of natural gas; or
 - d) Other significant event operator deems reportable. (49 CFR 191, 3(1))
- F. Resource Management and Logistics
1. Resource management and logistics will be carried out in accordance with IEOP Annex 9, Resource Management.
 2. Resource management includes mutual aid agreements and assistance agreements, the use of special federal and state teams and resource mobilization protocols.
- G. Implementation Requirements
1. Not applicable
- H. Organization
1. Direction & Control
 - a) The governor, or designee, has the authority to exercise overall coordination of resources belonging to the state.
 - b) State agencies and external organizations retain operational control of energy management resources.
 2. Coordinating Elements
 - a) The SEOC is the single point of coordination for state supported monitoring, assessment, restoration and sustainment of critical energy infrastructure and services.
 - a) State Unified Area Command (SUAC) or State Area Command (SAC) elements may be deployed by the SEOC to coordinate information and resource requirements for operations.

- b) IESMA - Emergency Management Assistance Teams (EMAT) will be assigned as needed to support or manage local or state strategic operations.
- c) Element Specific Support Function (ESSF) – Energy Management may be implemented at the direction of the SEOC Manager for specific strategic action planning.
 - 1) Strategic and operational guidance on ESSF operations can be found in IEOP Base Plan-A4, Element Specific Support Function Coordination and Management.

3. Federal Coordination

- a) Direct coordination with federal agencies will occur through appropriate and designated agencies.

III. Roles and Responsibilities

A. Illinois Commerce Commission (ICC)

- 1. Coordinate the monitoring, assessment, reporting and intelligence collection and dissemination efforts for energy and utility services.
- 2. Facilitate communications including the gathering and dissemination of information among (1) SEOC agencies, (2) public and private entities or AHJs responsible for production, generation, transportation, transmission or distribution of energy and utility services and (3) local, state and federal representatives.
- 3. Provide updates and briefing on all active situations, including restoration efforts and estimates.
- 4. Coordinate utility responses and disseminate information to SEOC agencies.
- 5. Coordinate with partners to identify critical and life-line infrastructure (transportation, power, communications, water/waste water and public health and medical services) requiring priority service for restoration.
- 6. Assist in state directed efforts to monitor, assess, restore and sustain various energy systems and related components.
- 7. Assist in categorizing incidents and determine prioritization of efforts for state agencies based on long-term monitoring.
- 8. Assist in identifying ongoing, additional and cascading incidents based on information obtained from intelligence, threat assessments, alert networks and surveillance programs and other sources of information obtained through internal and external stakeholders and customers.

- B. Illinois Department of Natural Resources (IDNR)
 - 1. Provide intelligence updates and briefings on information obtained from public, private entities or AHJs responsible for oil and gas production wells.
 - 2. Provide technical assistance on oil and gas production.
 - 3. Implement processes to identify ongoing, additional and cascading incidents based on information obtained from intelligence, threat assessments, alert networks and surveillance programs and other sources of information obtained through internal and external stakeholders and customers.
 - 4. Notify, alert and warn the SEOC, key-stakeholders and executive officers of potential and realized loss or disruption oil and gas well operations.
 - 5. Notify the SEOC Manager of loss or disruption in service from oil and gas well operations requiring notifications, alerts and/or warnings to stakeholders, key-decision makers and executive officers.
 - 6. Analyze damage from oil and gas well operations incidents impacting critical and life-line infrastructure, the environment and public safety.
- C. Illinois Environmental Protection Agency (IEPA)
 - 1. Assist in remedial action plan development as requested.
 - 2. Provide assistance in obtaining necessary Illinois EPA permitting and emergency regulatory relief.
 - 3. Assist ICC as requested in state directed efforts to monitor, assess, restore and sustain critical energy infrastructure and services.
 - 4. Coordinate the acquisition of energy prices and supplies during an energy event / disaster.
 - 5. Coordinate sharing of PJM and MISO information as requested on impacted areas and any cascading effects regarding energy emergencies.
- D. Illinois Department of Central Management Services (CMS)
 - 1. Coordinate with other agencies and private sector partners to assist in procurement and distribution of generator fuel as directed and prioritized by the SEOC.
 - 2. Assist with the assessment of energy status at state facilities and, through the CMS Energy Manager, coordinate with utilities and SEOC to prioritize restoration of energy/power to critical CMS-managed facilities.

3. As needed, activate and assign electricians (CMS employed and/or privately contracted vendors) to assist with power restoration at CMS-managed facilities or other sites as directed by the SEOC

E. Illinois Emergency Services Management Association (IESMA)

1. Coordinate with SEOC LNOs and local AHJ to identify resource availability, priority, deployment and sustainment requirements.

F. Office of the Attorney General (OAG)

1. Coordinate with the appropriate prosecuting authorities the prosecutions of criminal cases brought by the state.

IV. Authorities and References

A. Authorities

1. 15 ILCS Attorney General Act, as amended
2. 20 ILCS 1105, Energy Conservation and Coal Development Act, as amended
3. 20 ILCS 1120, Energy Policy and Planning Act, as Amended
4. 20 ILCS 1905, Civil Administrative Code, Department of Natural Resources, as amended
5. 20 ILCS 3305, IEMA Act
6. 20 ILCS 801, Department of Natural Resources Act, as amended
7. 220 ILCS et al, as amended, Utilities
8. 415 ILCS 5, Environmental Protection Act, as amended
9. 83 Illinois Administrative Code 411.120, as amended
10. Central Management Services (CMS) Law 20 ILCS 405 / 405-1, et seq.
11. 49 CFR 80 – Fuel Mix
12. 220 ILCS et al, as amended, Utilities
13. 49 CFR Part 190-192 – Natural Gas
14. 83 Ill. Adm. 501, Section 501.520

B. References

1. Robert T. Stafford Disaster Relief and Emergency Assistance Act, as amended, 42 U.S.C. § 5121 et seq.
2. National Response Framework (NRF), as amended.
3. National Disaster Recovery Framework (NDRF), as amended.

V. Attachments

- A. Tab A – Pipeline Hydrostatic Testing – IEPA