

PUBLIC WORKS/UTILITIES

I. PURPOSE

To provide for:

- A. The continuation or restoration of those public services essential for basic human needs.
- B. Debris removal and restoration of public access.

II. SITUATION

Lyon County and the communities therein are subject to a number of hazards which could result in the disruption of utility services to the population, limit the movement of portions of the resident population or have a general deterring effect on the safety and welfare of the people. A listing of the potential hazards is contained in the current County Hazard Identification.

III. ASSUMPTION AND PLANNING FACTORS

- A. The continued operation of utility services throughout the county is essential for effective and efficient response and recovery actions to any disaster or emergency situation.
- B. The primary responsibilities of both county and urban Utility Companies will be the restoration and maintenance of utility services.
- C. Private utility companies will cooperate with and assist government services.
- D. County Road and City Streets Departments will maintain roads and streets in a condition to facilitate traffic movement. The Department of Transportation may be utilized and requested if needed.

- E. Except for a national emergency and in most other cases, assistance from outside the county will be available through mutual aid and other existing agreements.
- F. Hazardous materials incidents require written mutual aid agreements for containment. (See Annex P)

IV. ORGANIZATION/RESPONSIBILITIES

A. Organization

The public works/utilities function is under the direction of the County Engineer.

B. Responsibilities

The Public Works/Utilities function will be responsible for emergency/disaster operations within their normal operational areas. Specific operational procedures will be outlined in existing departmental emergency plans.

V. CONCEPT OF OPERATIONS

The basic operational concept is that the various departments and agencies within the Public Works/Utilities function will continue their normal day to day responsibilities regardless of the emergency or disaster situation. Priority actions will be taken to restore interrupted services and provide for movement of vehicular traffic. Some specific actions to be accomplished are:

A. Restoration of Services

1. Make emergency repairs and restore vital utility services,
2. Provide emergency power,
3. Replace damaged or destroyed utilities equipment,
4. Insure that adequate supplies of potable water are available and identify sources of additional supplies, if needed,

5. Restore traffic routes; provide priority service to roads and streets designated as primary evacuation routes,
6. Make emergency repairs on streets, bridges, viaducts, and other structures,
7. Establish detour routings and provide barricades for traffic control,

8. If weather conditions dictate, early implementation of existing snow removal plans will be accomplished. Planning for snow removal will include provisions to expand snow removal activity to facilitate movement of vehicles supporting emergency operations on streets not normally included in the plan.

B. Debris Clearance and Trash Removal

1. Clear fallen debris from streets and roads.
2. Clear debris from county owned structures and buildings and floating debris which is obstructing free water flow at structures crossing a waterway.
3. Remove debris from public property and transport to selected sites for disposal. Collect trash and garbage and transport to selected sites for disposal.

C. Flooding

1. Provide sandbagging activity, emergency dike/levee repair, construction of temporary dikes.
2. Monitor conditions of local dams: sandbag or effect temporary repairs if necessary.
3. Inspect bridges and approaches to bridges after water subsides to determine safety of use.

D. Damage Assessment

1. Conduct inspections required for restoration of service.
2. Make emergency repairs to county buildings and facilities to provide continued operational and habitability.
3. Subsequent to a situation which could cause general structural damage, in coordination with the fire department, insure that all affected structures, public and private, are inspected for safety and habitability.
4. Support and assist damage assessment activity (see Annex C).

E. Radioactive Materials Incident/Accident - see Annex L
and P.

F. Utility Services Actions

1. Make emergency repairs and restore vital utilities.
2. Provide emergency power, with priority to EOC.
3. Conduct inspections required for restoration of service.
4. Replace damaged or destroyed county utilities equipment.
5. Provide for potable water supply during emergency.
6. Restore utilities to critical and essential facilities.

G. Private Utilities Actions

Private utility companies will be responsible for restoration of services in the rural and urban areas in their service areas.

H. Nuclear Attack

See National Security Appendix

VI. ADMINISTRATION, LOGISTICS AND TRAINING

A. Administration

1. A record of costs and expenses incurred in direct support of an emergency or disaster situation will be maintained to support subsequent reimbursement claims to state and federal government. Examples of fiscal expenditures which should be recorded, fully detailed, and maintained are (include sample--additional attachments):
 - a. Personnel costs which exceed "normal" costs, i.e., overtime.
 - b. Equipment rental or lease.

- c. Costs of materials and supplies used for direct support of emergency operations and recovery actions.
- d. Ad hoc contracts entered into for emergency operations and recovery actions.

2. The persons responsible for the implementation of this Annex will annually review the Annex to insure currency.

B. Support

Attachment 2 to this Annex is a listing of the individual governmental and non-governmental departments which will provide support and assistance to the Public Works/Utilities emergency operations.

C. Training

The individuals responsible for the Public Works/Utilities function will participate in planning and training exercises conducted for the Emergency Operations Center Staff.

LIST OF ADDENDA

<u>ITEM</u>	<u>TITLE</u>	<u>PAGE</u>
<u>ANNEX K</u>		
Attachment 1	Emergency Response Checklist	K-7
Attachment 2	Supporting Agencies/Offices	K-11

**PUBLIC WORKS/UTILITIES
EMERGENCY RESPONSE CHECKLIST**

Position/Organization

PREPAREDNESS PHASE

PUBLIC WORKS SERVICES/UTILITY SERVICES

- _____ Develop and maintain individual departmental emergency plans and procedures
- _____ Develop and maintain inventory of individual departmental resources
- _____ Accomplish both inter- and intra- mutual aid agreement as needed
- _____ Estimate needs versus resources to determine short falls
- _____ Appraise resource members of existing inventories and advise if major changes occur
- _____ During increased readiness or warning periods, alert all operational departments and put personnel on standby status
- _____ Assemble key departmental personnel
- _____ Determine potential magnitude, severity, and anticipated duration of hazard situation
- _____ Estimate needs versus resources to determine potential short falls
- _____ Advise resources members of anticipated needs and support required

PUBLIC WORKS SERVICES

- _____ Coordinate with mass care coordinator and shelter systems officer on shelter facilities planned for use
- _____ Determine availability of, quantity, and procedures to obtain sandbags in coordination with Emergency Management
- _____ Assist in development of general resolution to permit access for emergency stream bank/dike repair

Annex K
Attachment 1

**PUBLIC WORKS/UTILITIES
EMERGENCY RESPONSE CHECKLIST**

Position/Organization

PREPAREDNESS PHASE (continued)

PUBLIC WORKS SERVICES (continued)

- _____ Preselect sites for acquisition of material for emergency stream bank/dike repair
- _____ Determine availability of, quantity, and procedures to obtain sandbags
- _____ Assist in development of general resolution to permit access for emergency stream bank/dike repair
- _____ Preselect sites for acquisition of material for emergency stream bank/dike repair
- _____ Preselect dumping sites for debris and other materials for disposal
- _____ Determine condition of roads and implement required maintenance with first priority on evacuation routes
- _____ Review requirements for location of traffic control devices and ascertain if sufficient devices are available

UTILITY SERVICES

- _____ Determine current status of Public Utilities

- _____ Develop limited use policies for submission to local officials in the event needs exceed utilities capabilities
- _____ Establish liaison with local private utilities
- _____ Review existing service to designated mass care and shelter facilities to determine service needs
- _____ Review emergency power generating capability fixed and mobile

**PUBLIC WORKS/UTILITIES
EMERGENCY RESPONSE CHECKLIST**

Position/Organization

RESPONSE PHASE

PUBLIC WORKS SERVICES

- _____ Implement mitigation actions commensurate with disaster situation
- _____ Clear emergency routes and arterial streets to facilitate movement of emergency equipment
- _____ Effect temporary, emergency road repairs as needed
- _____ Establish detour routings
- _____ Position traffic control devices
- _____ Ensure most streets, highways, and roads are reopened to traffic
- _____ Provide priority service to evacuation routes

UTILITY SERVICES

- _____ Restore interrupted service
- _____ Assist resource members in providing emergency power to critical facilities and locations
- _____ Monitor utility usage and assess capabilities
- _____ Install or restore service according to priority
- _____ Recommend establishment of reduced service areas, if necessary

**PUBLIC WORKS/UTILITIES
EMERGENCY RESPONSE CHECKLIST**

Position/Organization

RECOVERY PHASE

PUBLIC WORKS SERVICES

- _____ Restore all streets, roads, and highways to normal conditions
- _____ Recover traffic control devices
- _____ Make temporary repairs to street or road structures or establish detour routes
- _____ Complete debris clearance activity
- _____ Return borrowed or requisitioned equipment and material
- _____ Ensure egress routes are maintained in optimum condition

UTILITY SERVICES

- _____ Complete restoration of normal services
- _____ Conduct safety inspection prior to restoration of private dwelling service
- _____ Replace damaged or destroyed utility service equipment
- _____ Terminate services for vacant or unoccupied buildings used for mass care or shelter

**PUBLIC WORKS/UTILITIES
SUPPORTING AGENCIES/OFFICES**

GOVERNMENTAL

_____ School Superintendent
_____ County Surveyor
_____ Public Works
_____ Building Inspector
_____ Engineer
_____ Director of Parks and Recreation
_____ Water Superintendent

NON-GOVERNMENTAL

(refer to resource list)

TELEPHONE COMPANIES

Rock Rapids, Doon - Hickory Tech 1-800-292-8989
Lester, Larchwood, Inwood, Alvord - Hills Telephone Co. 1-800-
533-0011
George, Little Rock - Quest Comm. 1-800-603-6000

UTILITY COMPANIES

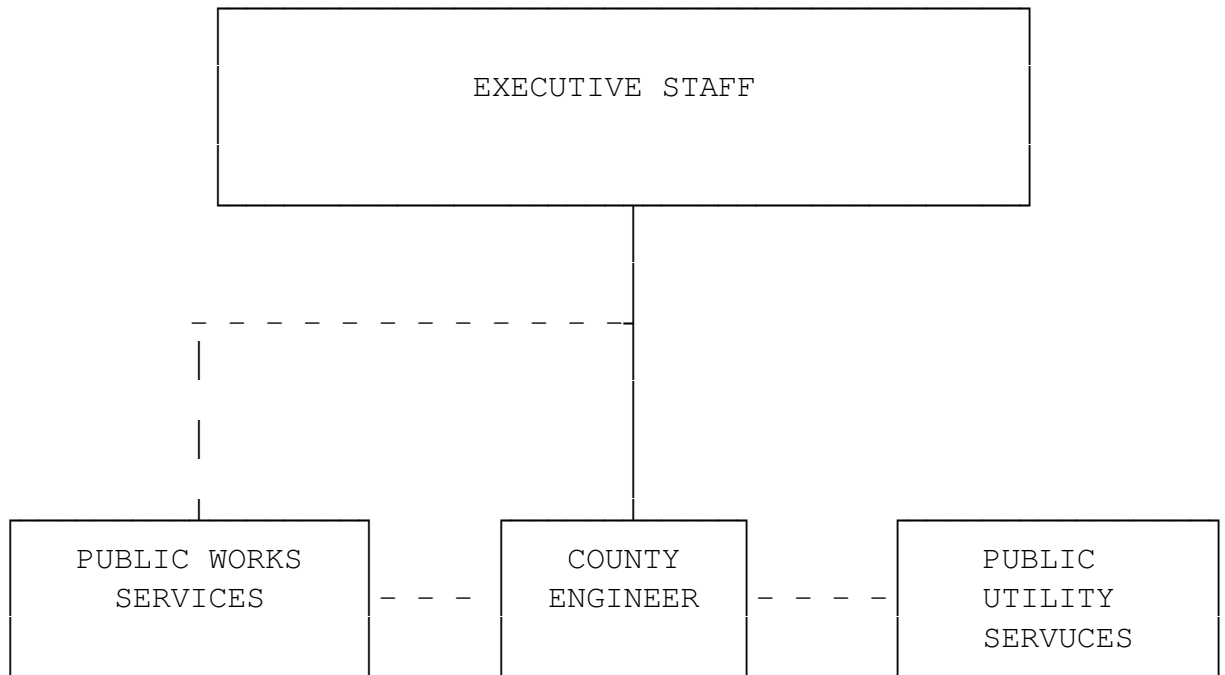
Lyon County REC -712-472-2506
Rock Rapids Municipal Utilities - 712-472-2511
Alvord, Inwood, Doon - Midwest Power - 1-800-222-4772

Little Rock, George - Alliant Utilities - 1-800-822-4348

WATER COMPANIES

Rural Lyon County - Lyon Sioux Rural Water - 712-472-3755
All Communities are Municipal

PUBLIC WORKS / UTILITIES



STREETS AND ROADS
DEBRIS CLEARANCE

ELECTRICAL
WATER
SEWER
NATURAL GAS
TELEPHONE