

## Activity 7.1: Community Lifelines Analysis

**Instructions:** Working in small groups.

### Activity 7.1 Instructions

**Assign** each table or group a scenario:


- A magnitude 6.8 earthquake impacting a dense urban area
- A category 2 hurricane impacting a remote coastal community
- A series of tornadoes impacting several small, remote, dispersed rural communities
- Wildland fires affecting large forested areas and several adjoining residential areas
- Wide-spread flooding following a series of storms impacting a medium sized city
- A terrorist bombing in a dense urban area producing high casualties

### Working in assigned groups:

1. Review your assigned scenario on the activity sheet.
2. Briefly discuss potential incident impacts for each Community Lifeline.
3. Fill out the Community Lifelines Worksheet for one lifeline that you anticipate will be significantly impacted by the event and will require stabilization or sustainment.
  - a. Anticipated **status** of at least two components within the selected Community Lifeline.
  - b. **Impact** of the Community Lifeline component on survivors and Response.
  - c. What **Actions** must be taken to stabilize the Community Lifeline component. Include the ESF and RSF that would be expected to coordinate this action.
  - d. What **limiting factors** will prevent stabilization and what is the **estimated timeframe** to achieve stabilization.
  - e. What is the likely **EOC role** in facilitating the stabilization of the Community Lifeline.
4. Choose a spokesperson to explain your conclusions. Be prepared to share your work in 15 minutes.

Groups will have 15 minutes to discuss the challenges, then will be asked to share their work.

### Activity 7.1: Community Lifelines Analysis Worksheet

Community Lifeline and Components	Status	Impacts	Actions (ESF/RSF Link)	Limiting Factors and Time to Stabilization	EOC Role
 <p><b>Transportation</b></p> <p><input type="checkbox"/> Highway/Roadway</p> <p><input checked="" type="checkbox"/> Mass Transit</p> <p><input type="checkbox"/> Railway</p> <p><input type="checkbox"/> Aviation</p> <p><input type="checkbox"/> Maritime</p> <p><input type="checkbox"/> Pipeline</p>	Roadways are blocked	100,000 survivors have no access to public transportation and emergency support services	Route clearance and debris removal  ESFs: 1-Transportation 3-Public Works and Engineering  RSF: 5-Infrastructure Systems Recovery	Limited route clearance and debris removal resources. Estimate one week to stabilize.	1. Maintain staffing to support Situational Awareness (SA). 2. Develop EEIs for status of roadways. 3. Provide SA on status of roadways to Senior Officials and ESF/RSF leads. 4. Support potential resource requests to support route clearance and debris removal.

#### **Sample Community Lifelines Analysis for Transportation**

**Components:** Identify the components of each lifeline (check appropriate boxes for each lifeline).


**Status:** Summarize the cause of the instability. Status statement should clearly describe why the component is not stable.


**Impacts:** Outline the specific effects of the impacted lifeline component on survivors and response.


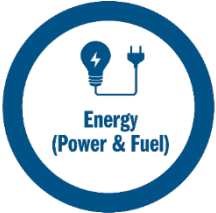
**Actions:** Describe the whole community actions that are being taken or must be taken to stabilize this component of the impacted Community Lifeline. As a part of your answer describe which ESF would have been involved in stabilizing this component during Response, and what RSF will assume responsibility for lifeline restoration during Recovery.


**Limiting Factors and Time to Stabilization:** Detail any issues that will prevent stabilization and estimate the timeframe for that component to be stabilized.



**EOC Role:** Describe the role or actions that the EOC will likely have in stabilization of the Community Lifeline Component during the transition from Response to Recovery.

Community Lifeline and Components	Status	Impacts	Actions (ESF/RSF Link)	Limiting Factors and Time to Stabilization	EOC Role
 <b>Safety and Security</b> <ul style="list-style-type: none"><li><input type="checkbox"/> Law Enforcement/ Security</li><li><input type="checkbox"/> Search and Rescue</li><li><input type="checkbox"/> Fire Services</li><li><input type="checkbox"/> Government Services</li><li><input type="checkbox"/> Responder Safety</li><li><input type="checkbox"/> Imminent Hazard Mitigation</li></ul>					

Community Lifeline and Components	Status	Impacts	Actions (ESF/RSF Link)	Limiting Factors and Time to Stabilization	EOC Role
 <b>Food, Water and Sheltering</b> <ul style="list-style-type: none"><li><input type="checkbox"/> Evacuations</li><li><input type="checkbox"/> Food/Potable Water</li><li><input type="checkbox"/> Shelter</li><li><input type="checkbox"/> Durable Goods</li><li><input type="checkbox"/> Water Infrastructure</li><li><input type="checkbox"/> Agriculture</li></ul>					

Community Lifeline and Components	Status	Impacts	Actions (ESF/RSF Link)	Limiting Factors and Time to Stabilization	EOC Role
 <p><b>Health and Medical</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Medical Care</li> <li><input type="checkbox"/> Patient Movement</li> <li><input type="checkbox"/> Public Health</li> <li><input type="checkbox"/> Fatality Management</li> <li><input type="checkbox"/> Health Care Supply Chain</li> </ul>					
 <p><b>Energy (Power and Fuel)</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Power (Grid)</li> <li><input type="checkbox"/> Temporary Power</li> <li><input type="checkbox"/> Fuel</li> </ul>					

Community Lifeline and Components	Status	Impacts	Actions (ESF/RSF Link)	Limiting Factors and Time to Stabilization	EOC Role
 <b>Communications</b> <ul style="list-style-type: none"><li><input type="checkbox"/> Infrastructure</li><li><input type="checkbox"/> Alerts, Warnings, and Messages</li><li><input type="checkbox"/> 911 and Dispatch</li><li><input type="checkbox"/> Responder Communications</li><li><input type="checkbox"/> Financial Services</li></ul>					

Community Lifeline and Components	Status	Impacts	Actions (ESF/RSF Link)	Limiting Factors and Time to Stabilization	EOC Role
 <p><b>Transportation</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Highway/Roadway</li> <li><input type="checkbox"/> Mass Transit</li> <li><input type="checkbox"/> Railway</li> <li><input type="checkbox"/> Aviation</li> <li><input type="checkbox"/> Maritime</li> <li><input type="checkbox"/> Pipeline</li> </ul>					
 <p><b>Hazardous Material</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Facilities</li> <li><input type="checkbox"/> Incident Debris, Pollutants, Contaminants</li> </ul>					