



COMMUNITY LIFELINES AND REPORTING

A blue circular icon containing a shield with a star inside.

Safety and Security

A blue circular icon containing a shelter icon and a water bottle.

Food, Water, Sheltering

A blue circular icon containing a first aid kit with a cross.

Health and Medical

A blue circular icon containing a lightbulb and a power plug.

Energy (Power & Fuel)

A blue circular icon containing a signal tower with three curved lines representing waves.

Communications

A blue circular icon containing a computer monitor and a keyboard.

Transportation

A blue circular icon containing a hazardous material barrel with a flame symbol.

Hazardous Material





COMMUNITY LIFELINES AND REPORTING

Overview

- **Concept introduced by FEMA in response to 2017 hurricane season.**
- **Continued emphasis on event reporting to determine size and complexity of incidents.**
- **Supports resource decision making to address root cause impacts.**



COMMUNITY LIFELINES DEFINED



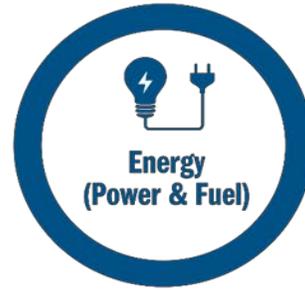
Safety and Security



Food, Water, Sheltering



Health and Medical



Energy (Power & Fuel)



Communications



Transportation

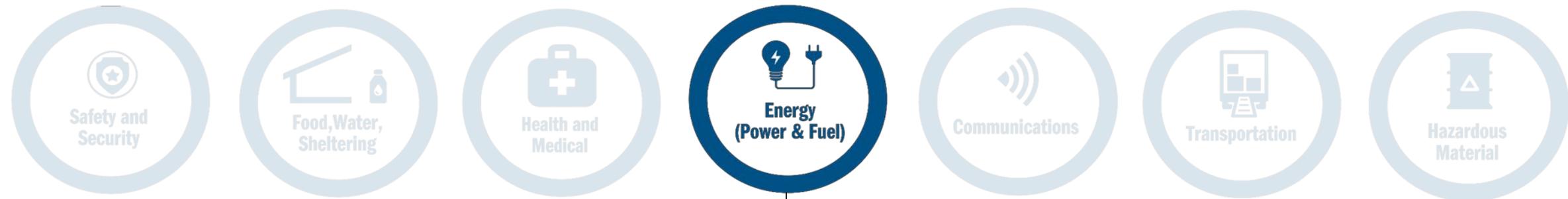


Hazardous Material

- A lifeline enables the continuous operation of **government functions and critical business**, and is essential to human health and safety or economic security.



COMMUNITY LIFELINES DEFINED



**Power
(Grid)**

Generation and
Distribution

Locations
without power

**Temporary
Power**

Critical
facilities

Temp. Power
Resources

Fuel

Commercial
fuel stations

Fuel Supply
Line Status





COMMUNITY LIFELINES DEFINED



ENERGY (POWER & FUEL) COMPONENTS AND SUBCOMPONENTS

Power (Grid)	Temporary Power	Fuel
<ul style="list-style-type: none">Status of electrical power generation and distribution facilitiesNumber of people and locations without powerEstimated time to restoration of powerNumber of electrically dependent persons (e.g., medical equipment) affectedStatus of nuclear power plantsStatus of nuclear power plants within 10 milesStatus of natural gas and fuel pipelines in the affected area	<ul style="list-style-type: none">Status of critical facilitiesAvailability of temporary power resources	<ul style="list-style-type: none">Status of commercial fuel stationsResponder fuel availabilityStatus of critical fuel facilitiesStatus of fuel supply line





INCIDENT STABILIZATION



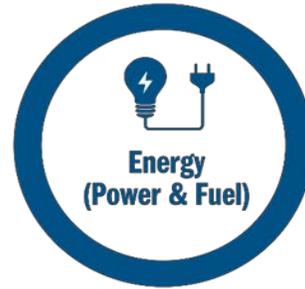
Safety and Security



Food, Water, Sheltering



Health and Medical



Energy (Power & Fuel)



Communications



Transportation



Hazardous Material

- The lifeline construct is used to focus response actions on incident stabilization; thus the expected outcome is to stabilize all impacted lifelines



INCIDENT STABILIZATION / RESTORATION



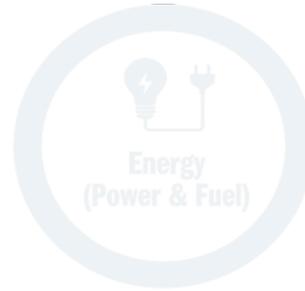
Safety and
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Food, Water,
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Energy
(Power & Fuel)



Communications



Transportation

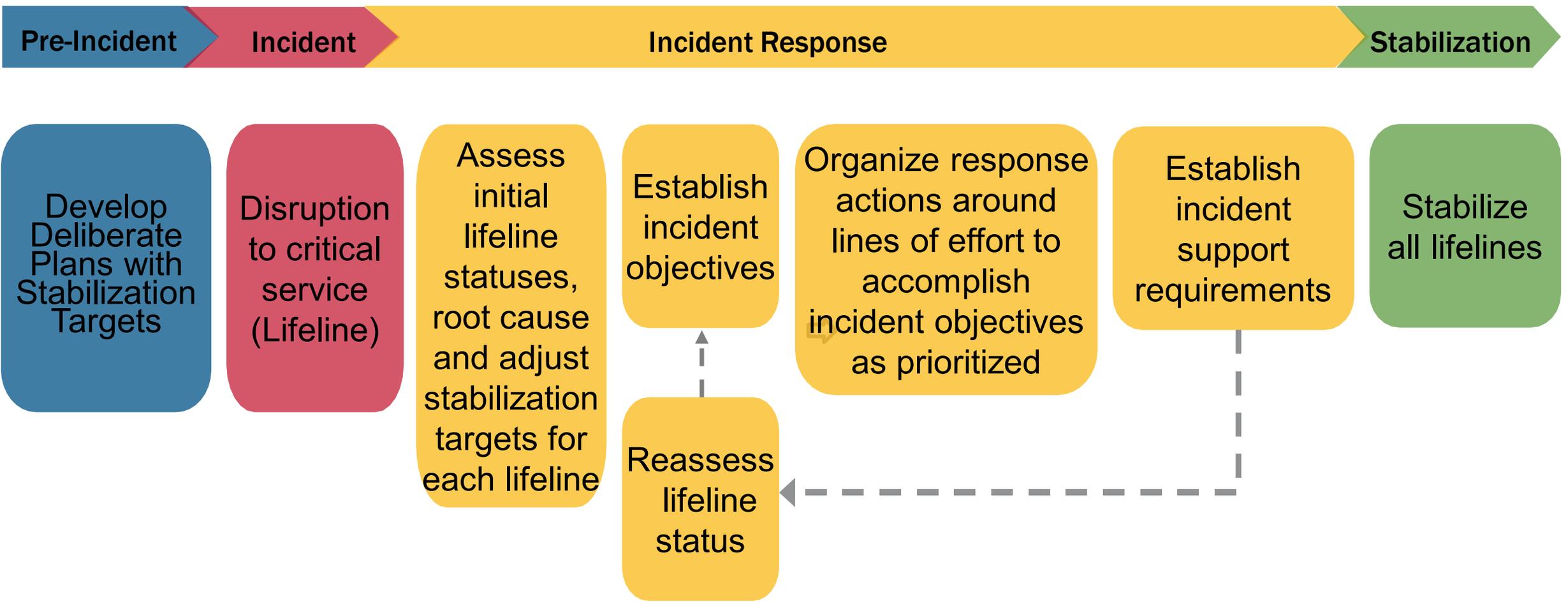


Hazardous
Material

- Incident destroys the cell towers within jurisdiction.
 - Stabilization?
 - Restoration?



PLAN & RESPOND WITH LIFELINES IN MIND





DETERMINATION OF STABILITY

Status	Ohio Definition – COUNTIES (proposed)
GREY	- Unknown status
GREEN	<ul style="list-style-type: none">– No impacts; normal operations OR– County is addressing community lifeline sector issue(s) with existing resources or mutual aid. Normal operations may be augmented. Restoration can be completed within statutory state assistance. Solution(s) to disruption have been identified, adapted into a plan of action, resourced and implemented.
YELLOW	<ul style="list-style-type: none">– Factors may inhibit or delay response AND/OR– County has requested state resources beyond statutory authorities to address community lifeline sector issue. Solution(s) to disruption have been identified and adapted into a plan of action. Plan may not have been resourced or implemented.
RED	<ul style="list-style-type: none">– Significant factors may inhibit response AND/OR– Significant state or other external resources are likely AND/OR– Resources, solutions, and/or plan of action have <i>not</i> been identified.





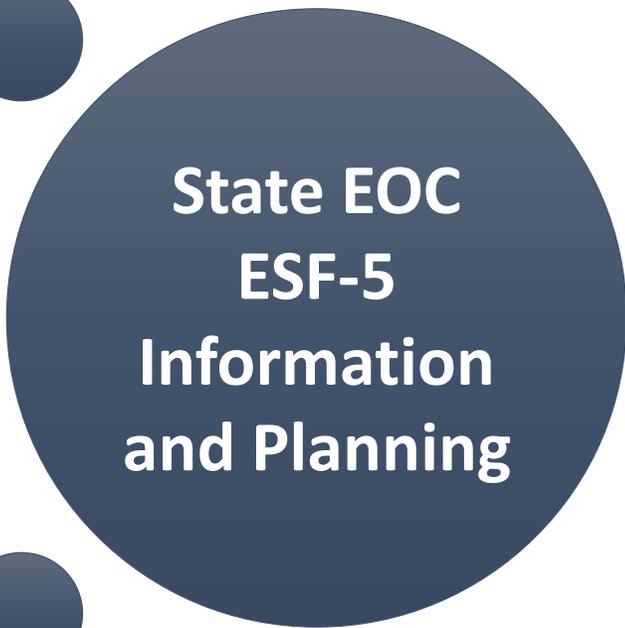
DETERMINATION OF STABILITY

Status	Ohio Definition – STATE (proposed)
GREY	- Unknown status
GREEN	<ul style="list-style-type: none">– Normal Operations OR– State agency(s) addressing community lifeline sector issue(s) for one or more counties with organic resources. Federal assets may be providing assistance within their statutory authority. Normal operations may be augmented. Solution(s) to disruption have been identified and adapted into a plan of action, resourced and implemented.
YELLOW	<ul style="list-style-type: none">– Factors may inhibit or delay response AND/OR– State EMA has requested EMAC or federal resources beyond statutory authorities to address community lifeline sector issue(s). Solution(s) to disruption have been identified and adapted into a plan of action. Plan may not have been resourced or implemented.
RED	<ul style="list-style-type: none">– Significant factors may inhibit response AND/OR– Significant external assistance is likely AND/OR– Resources, solutions, and/or plan of action have not been identified

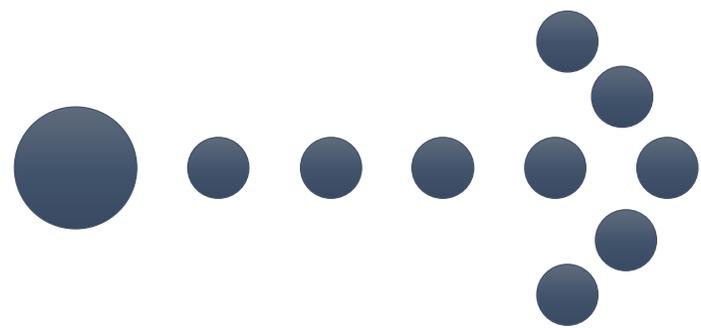


DETERMINATION OF STABILITY

County Reporting



Stability Determination



State Partner Reporting

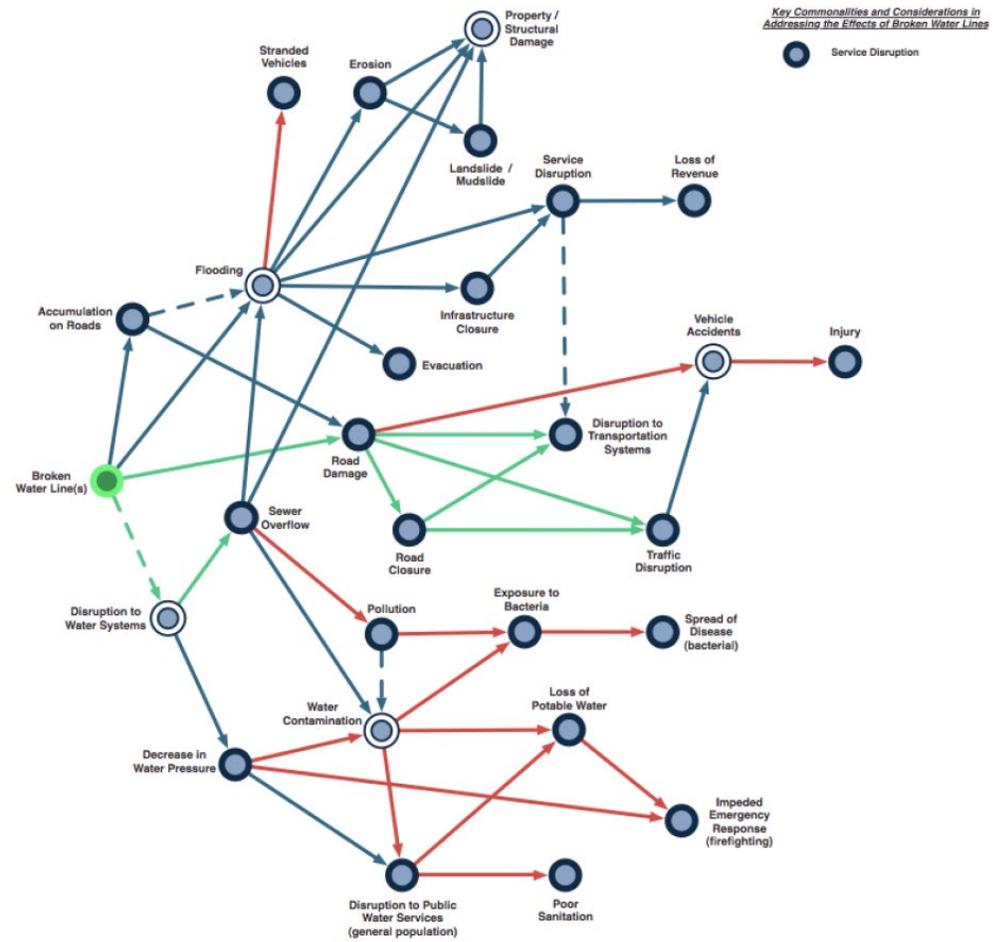




INCIDENT REPORTING

- Early engagement provides for determination of root cause and increased prevention of cascading impacts.
- Advanced planning developing future operational periods.

Z.4. BROKEN WATER LINE(S)





INCIDENT REPORTING

- Ohio EMA is expanding reporting to include stability of lifelines.
- Counties will have an integral role in relaying information to Watch Office/State EOC to:
 - Refine Common Operating Picture
 - Determine Initial Stability and Stability Benchmarks
 - Align response efforts towards root cause/lifeline stabilization
 - Confirm Stabilization/Restoration
- During incidents, counties will be requested to engage in ongoing information exchange to feed back into common operating picture.



RESOURCES

- **FEMA Lifelines Toolkit:**

<https://www.fema.gov/media-library/assets/documents/177222>

- **FEMA Continuity Risk Toolkit; Appendix Z – Threat and Hazard Networks**

- Pages 243 through 287 of PDF document

<https://www.fema.gov/media-library/assets/documents/158254>



QUESTIONS

If you have any questions, please reach out.

Andrew D. Elder
Operations Administrator
Ohio EMA
614-889-7178
adelder@dps.ohio.gov



THANK YOU!

