

# Systems-Based Resiliency

## What is Systems-Based Resiliency (SBR)?

SBR is a comprehensive approach to understanding chief operational interdependencies and prioritizing investments for enhanced resiliency of critical infrastructure.

## What activities does SBR involve?

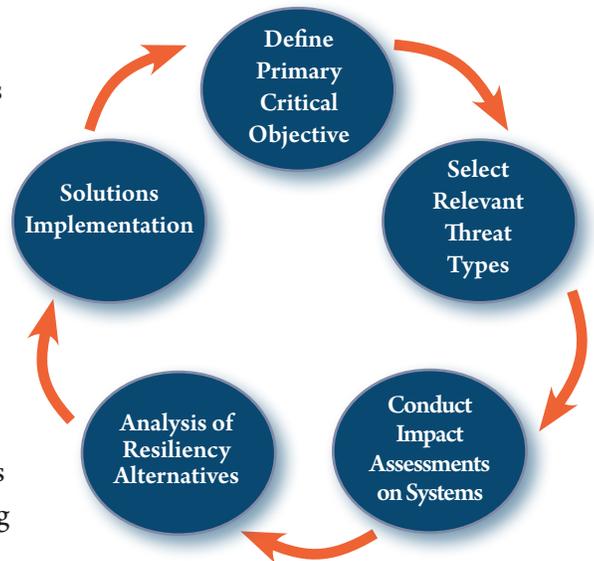
- Mapping key systemic interdependencies
- Exercises and simulations
- Cross-training of personnel
- Business continuity / succession planning
- Installing redundant power, telecoms, etc. networks
- Developing portable, temporary, and supplemental power/telecoms/etc. networks

## The Framework

Systems Based Resiliency (SBR) is the strategic framework that promotes continuity and survivability in the face of numerous, unforeseeable threats, capable of severe disruptions. Moving beyond risk management, SBR recognizes that the overarching imperative for firms and governments in today's ever-changing threat environment is to **ensure strategic and operational resiliency** such that critical systems continue to function during and after adverse events while simultaneously working towards the resumption of normal activities.

## The Process

The SBR process begins by defining fundamental main objectives to focus assets on protecting the functions that matter most. It then requires an evaluation of relevant threats, both natural and man-made, followed by an assessment of the systems-level impact of such events. Armed with knowledge of potential impacts upon key systems, the SBR process next implements a comprehensive analysis of resiliency alternatives by examining factors such as relative cost, benefit, ease and timeliness of implementation. SBR concludes with a detailed solutions implementation plan emphasizing specific metrics for tracking the effectiveness of proposed solutions.



## The Results

SBR enables control over the consequences and the speed of recovery during and after significant adverse events. By emphasizing practical application and effective, efficient resource allocation, SBR helps firms best position themselves to continue operations, come what may. Not only do these organizations preserve market share, but also penetrate new market segments based on their acquired reputation for operational resilience.