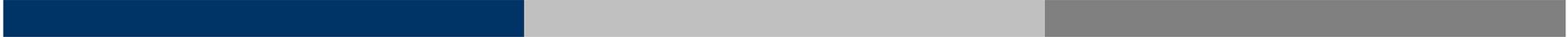


National Infrastructure Advisory Council (NIAC)



The Framework for Dealing with Disasters and Related Interdependencies Working Group

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Overview

- Objective
- Approach & Status
- Questions

Objective

- ❑ This study focuses on the United States' ability to respond to and recover from a major disaster that could result in a prolonged loss of infrastructure services expanding beyond a local area.

- ❑ The Desired Outcome is to identify areas that are impediments to:
 - Private sector and local/state government recovery of critical infrastructures, and
 - Deploying needed federal resources.

Applicability of Results

- The findings of this Study are intended to have applicability in three areas:
 - Federal and State government legislative, regulatory and policy improvements;
 - Private Sector business continuity planning and risk mitigation efforts; and
 - Cooperation efforts between Federal, State and Local governments and the Critical Infrastructure Sectors.

Approach

- ❑ Foundation is a facilitated one-day workshop (13 November 2008) that brings together key stakeholders from the private sectors, legal community, and government to exchange views and information from their unique perspectives.

- ❑ Two hypothetical scenarios have been developed to stimulate and guide the Workshop discussions:
 - Scenario 1 – Accident; 2 week duration; D.C. Area
 - Scenario 2 – Terrorist; 3 week duration; greater DC Metropolitan area, adjacent counties & beyond.

- ❑ Both scenarios:
 - Initially impact the electric sector with secondary cascading impacts to telecommunications, water and other sectors.
 - Are centered on the metropolitan Washington, D.C. area
 - Were developed to allow for insight into significant differences that could be encountered as a result of event duration, geographical scope and initial cause

- ❑ To assist in the planning of the workshop, a series of interviews with CEOs of select infrastructure companies are being conducted.

Scope

- ❑ Includes most of the sectors identified as Critical Infrastructures and Key Resources (CIKR) by the National Infrastructure Protection Plan (NIPP).
- ❑ Since we are only able to examine two scenarios as part of this study, further analysis / examination will likely be required.

CEO Interviews

- Purpose:
 - Gain feedback how the different infrastructure sectors coordinate in planning for disaster recovery;
 - Identify infrastructure interdependencies that occur as a result of a disaster event, and the manner in which they affect response and recovery efforts; and
 - Identify how legal, regulatory and policy issues can hinder or enhance these activities.
- A set of questions has been developed to guide these interviews.
- Nine have been scheduled, five completed.

Time Line / Next Steps

- ❑ Interviews with Critical Infrastructure CEOs and Subject Matter Experts (SMEs) – September and first half of October 2008.
- ❑ One Day Workshop – 13 November 2008 at Johns Hopkins University Applied Physics Laboratory (JHU/APL) in Laurel, Maryland.
- ❑ Post Workshop results briefing to CEOs and Workshop Participants - December 2008.
- ❑ Draft Results and Recommendations presented to NIAC – January 2009 NIAC Business Meeting
- ❑ Final Report/Recommendations to NIAC – April 2009.

Questions?

Backup

Scenarios

❑ Scenario #1: Accident

- Impact – Significant power outage occurs in the National Capital Region (NCR)
- Root Cause
 - ❑ Primary – Critical Equipment Failure in electrical distribution system
 - ❑ Secondary – Damage to electrical system due to sudden power outage
 - ❑ Total Number of People Impacted – 750,000
- Total Time to Repair – 14 days

❑ Scenario #2: Terrorist Attack

- Attack Method
 - ❑ Vehicle Borne Improvised Explosive Devices (Car Bombs)
 - ❑ Attack centered on key components of the Electric Infrastructure.
- Homeland Security Advisory Level Elevated to RED for first few days following the attack and then lowered to ORANGE.
- Presidential Disaster Declaration signed.
- No further attacks reported
- Impact
 - ❑ Primary – Significant power outage occurs in NCR
 - ❑ Secondary – 300 mile radius of Washington, DC. This includes parts of Delaware, Pennsylvania, West Virginia, Virginia and all of Maryland
- Root Cause
 - ❑ Primary – Physical attacks on various Power Generation Stations, Substations and major transmission line.
 - ❑ Secondary – Damage to electrical distribution system due sudden power outage
- Total Time to Repair – Minimum of 24 days

Other Supporting Events

- The Study Group received several presentations, including:
 - National Infrastructure Simulation and Analysis Center (NISAC);
 - ChicagoFIRST;
 - CDEP
 - The Water Sector; and
 - National Incident Management System (NIMS).