Plan Integration *for Resilience* Scorecard

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**Refer to:**
Figure 1: Annual Losses in $2009 by Hazard Type in U.S. (1960-2008)
Source: Gall et al. 2011. Sustainability 3, 2157-2181

Resilience is “the ability to prepare and plan for, absorb, recover from, and more successfully adapt to adverse events” (National Academies 2012, p. 1).
Project Overview

- Land use planning is key to mitigation.
- Communities adopt multiple plans that affect mitigation.
- Integration of mitigation in local plans can significantly affect future vulnerability.
SECTION 3a: RISK ASSESSMENT - HAZARD PROFILES

Figure 3a.12: Repetitive Loss Property Cluster Areas – Atlantic Ocean Shore (North)

Legend:
- 100 YR Flood Plain
- Repetitive Loss Areas
  - 3 to 10 Properties
  - 10 to 20 Properties
  - >20 Properties

KEY:
- 100 Year Floodplain
- 500 Year Floodplain
- Outside the Floodplain

ATLANTIC OCEAN

Severe repetitive loss designation

100-year floodplain
Before Hurricane Sandy: Plan for Increasing Density & Infrastructure Spending in Hazard Zones

**FIGURE LU-6**
CONCEPT PLAN MAP

**FIGURE LU-7**
FUTURE LAND USE MAP

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**KEY**

- Potential Gateway Redevelopment Area
- Potential CBD Redevelopment Area
- Potential Waterfront Redevelopment Areas
- County Park
- Focal Point Locations
- Waterfront Gateway Treatments
- Potential Municipal/Public Use
- Public Fishing Piers
- Twin Lights National Landmark
- Rt. 36 Bridge
- Heritage Trail
- Waterfront Connection

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*The single-family detached (Min. Lot Area 6,000 sq. ft.) future land use classification, due to existing conditions, is appropriate for more reduced front and side yard provisions than are permitted in the "other" 5,000 sq. ft. land use classification.*
Project Objectives

• To develop a resilience scorecard to assess:
  • the degree to which the network of plans targets areas most vulnerable
  • evaluate the coordination of local plans
Technical Approach: Developing and Testing a Resilience Scorecard

Phase 1
Delineate planning districts and hazard zones

Phase 2
Determine vulnerability

Phase 3
Score plans
Physical Vulnerability Policy Scores: Ft. Lauderdale, FL
Social Vulnerability Scores: Ft. Lauderdale, FL

SV Composite Flag Score

SV Composite Network of Plans Score
Real possibilities:
1. Identifies compatibilities, inconsistencies, and opportunities for integration.
2. Helpful when updating or developing new plans
3. Planners have right combination of skills to facilitate coordination
   • Inject new thinking about holistic approaches

Translating:
• National Advisory Board: experienced mitigation planning practitioners
• Draft Guidebook
• Pilot communities to test the scorecard
• Spin-off of the website [mitigationguide.org]
Pilot Communities- Round 1

September 2016 – January 2017. Each partner will test the Resilience Scorecard. With guidance from the Resilience Scorecard team, pilot communities will:

• Assemble a team of stakeholders and key informants familiar with local planning documents
• Receive training on how to apply the Resilience Scorecard to the local network of plans
• Score their own network of plans with technical assistance from the Scorecard Team

Preferred communities include:

• Population less than 200,000
• Coastal community with potential for sea level rise
• Communities positioned to leverage partnerships with other agencies (i.e., HUD, FEMA, EDA, EPA, RPC/EDD, USACE, NIST, USDA, etc.) and NGO’s, VOAD’s, etc. to achieve mutual aims.
Pilot Communities- Round 2

January – June 2017. Each partner will receive training and technical assistance to support scoring their own network of plans. Preferred communities include:

- Communities exposed to a diversity of hazard types (other than flooding and sea level rise)
- Communities positioned to leverage partnerships with other agencies (i.e., HUD, FEMA, EDA, EPA, RPC/EDD, USACE, NIST, USDA, etc.) to achieve mutual aims.
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Refer to: