

Lessons in Resilience

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An Unsustainable Path!!

- As the debate about what causes climate change rages on, one fact is clear—weather is becoming more severe and unpredictable
- Helena—Record intensification—**2 days--wave to cat 4--record rainfall**
- In 2023, the “resilience gap” was \$124B—by 2030, projected to be \$240B
- In California, drought/Fires and Floods occurring simultaneously!
- Site location consultants now consider and disaster risk reduction:
 - “If we are looking at a region that has been subject to disaster loss, our clients will require that they prove steps have been taken to reduce disaster risk”—Mark Sweeney, leading site location consultant whose clients include Boeing, Nissan, Airbus, and others
- It is also critical in order to retain and grow existing industry
- Attracting professionals and innovative talent—also an issue

Helene Impacted 7 States--Massive Flooding

> **HURRICANE HELENE**

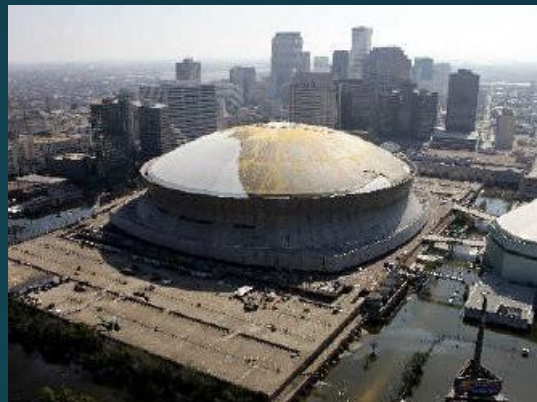
» CATEGORY 4 STORM

**FIRST
WARNING**



What IS Economic Resilience?

- Economic Resilience is the ability of a community's businesses and economic development efforts to better withstand, and recover more quickly from, adverse incidents of any kind
 - Incidents include natural and manmade disasters, pandemics, economic upheavals, civil unrest, acts of terror, armed conflict, and cyber attacks
 - Resilience includes response, recovery, & risk mitigation



Economic Resilience Components

1. Organize: Convene a Disaster Resilience Task Force
2. Assess: Perform a comprehensive resilience assessment
3. Identify: Based on assessment, identify shortcomings
4. Gain Knowledge: Direct and Indirect Research, Advice
5. Secure Resources: Funding, Expertise, Assistance
6. Take Action: Create a step-by-step action agenda

Actualizing—Real Examples—Resilient Recovery

- New Orleans—Katrina—Dutch Dialogues, First of 100 Resilient Cities to Adopt a Resilience Strategies, Flood Protection System: Cost \$17 billion, estimated savings \$60 Billion (Difference in estimated damage-Katrina and Ada)



The “great wall”
—Lake Borgne--
26 Ft. Tall



- Joplin, MO—Tornado—Emergency fund, “back in business”
- Eastern OK County—Resilient Business Network—Mutual Aid
- Yuba-Sutter EDC—CEDS Resilience/Recovery—8 Initiatives

Puerto Rico- "Transformative Recovery"

- After Irma and Maria devastated the economy, EDA-led Economic Recovery Support Function--unprecedented recovery, building economic and resilience capacity in for-profit, nonprofit, and public sectors, plus Blue Economy effort
- Established the first-ever EDD in Puerto Rico
- Air cargo exemption, airport resilience, pharma logistics
- Intensive training and matching for NGOs and municipalities, presented to public/private funders
- Along the way, had an incident to "practice what I preach"

WHO DAT! How We Gonna Pay for This?

- The Center for Disaster Philanthropy provides information on foundation grants for resilience: <https://disasterphilanthropy.org/>
- Subscription databases are available--Major Foundations that have disaster recovery and resilience as a core area of interest: 1) Doris Duke Charitable, 2) Ford, 3) Rockefeller, 4) W.K. Kellogg, 5) John D. & Catherine T. MacArthur, 6) Andrew W. Mellon, 7) Gates
- Bipartisan infrastructure Bill--\$47 billion for infrastructure resilience
- IRA (Climate Bill) over \$50 billion for forest/ag resilience
- New areas of funding interest: Agriculture (Gates), Risk Analysis/Climate Modeling (UNDRR), Migration (IOM), Coastal (NOAA), Insurance (InnSure), Infrastructure (UNECE), Climate Finance (WAPPP)
- Initiatives/Federal \$: CDRZ (FEMA), CDBG-DR (HUD) HMGP (FEMA), SBA

Questions:

- What does economic resilience mean to you?
- Has climate change impacted infrastructure in your region?
- Have your resident businesses expressed concern about the impacts of disasters on them?
- Are you currently doing anything to help businesses become more resilient?
- Has it been challenging to ensure resilience in your CEDS is implemented?



THANK YOU!!

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