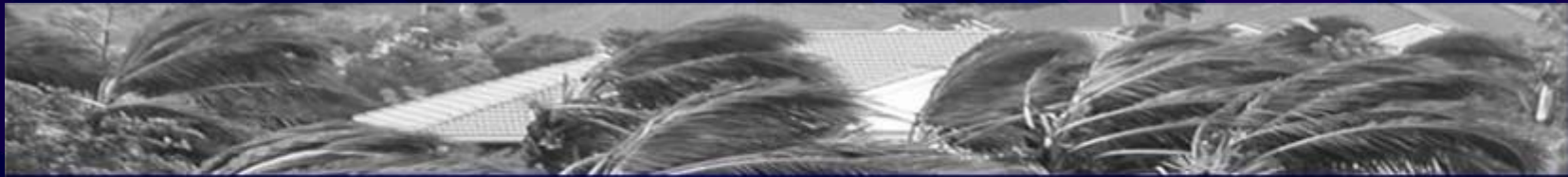




Infrastructure Restoration Work Group Meeting
October 28, 2010
10:00 - noon





PINELLAS COUNTY

POST-DISASTER REDEVELOPMENT PLAN

State of Florida Definition of Disaster (Section 252.34, F.S.)

"Disaster" means any natural, technological, or civil emergency that causes damage of sufficient severity and magnitude to result in a declaration of a State of Emergency by a county, the Governor, or the President of the United States. Disasters are identified by the severity of resulting damage:

- a. "Catastrophic disaster" – requires massive State and Federal assistance, including immediate military involvement.
- b. "Major disaster" – likely exceeds local capabilities and requires a broad range of State and Federal assistance.
- c. "Minor disaster" – likely within the response capabilities of local government and results in only a minimal need for State or Federal assistance.

■ Levels of Disaster

- Minor
- Major
- Catastrophic



Phases of Emergency Management



Emergency Response Phase

- Search and Rescue
- Debris Clearance (Push)
- Rapid Impact Assessment
- Points of Distribution (Water, Food, Ice)



Short-term Recovery

- Damage Assessment
- Infrastructure Restoration
(Power, water, waste-water)
- Debris
Clearance/Management
- Disaster Recovery
Centers/ Individual
Assistance
- Moratoria/ Emergency
Permitting Procedures



Transition to Long-term Recovery

- Building moratoria is lifted at least for most areas
- Power and water are restored to all but uninhabitable structures
- Schools are reopened or temporarily relocated
- Most of the road network & traffic signalization is operational



Long Term Recovery

3 Major Components:

- Reconstruction
- Holistic Long-term Recovery
- Community Enhancement

The Timeline of Phases is dependent upon the severity / type of disaster

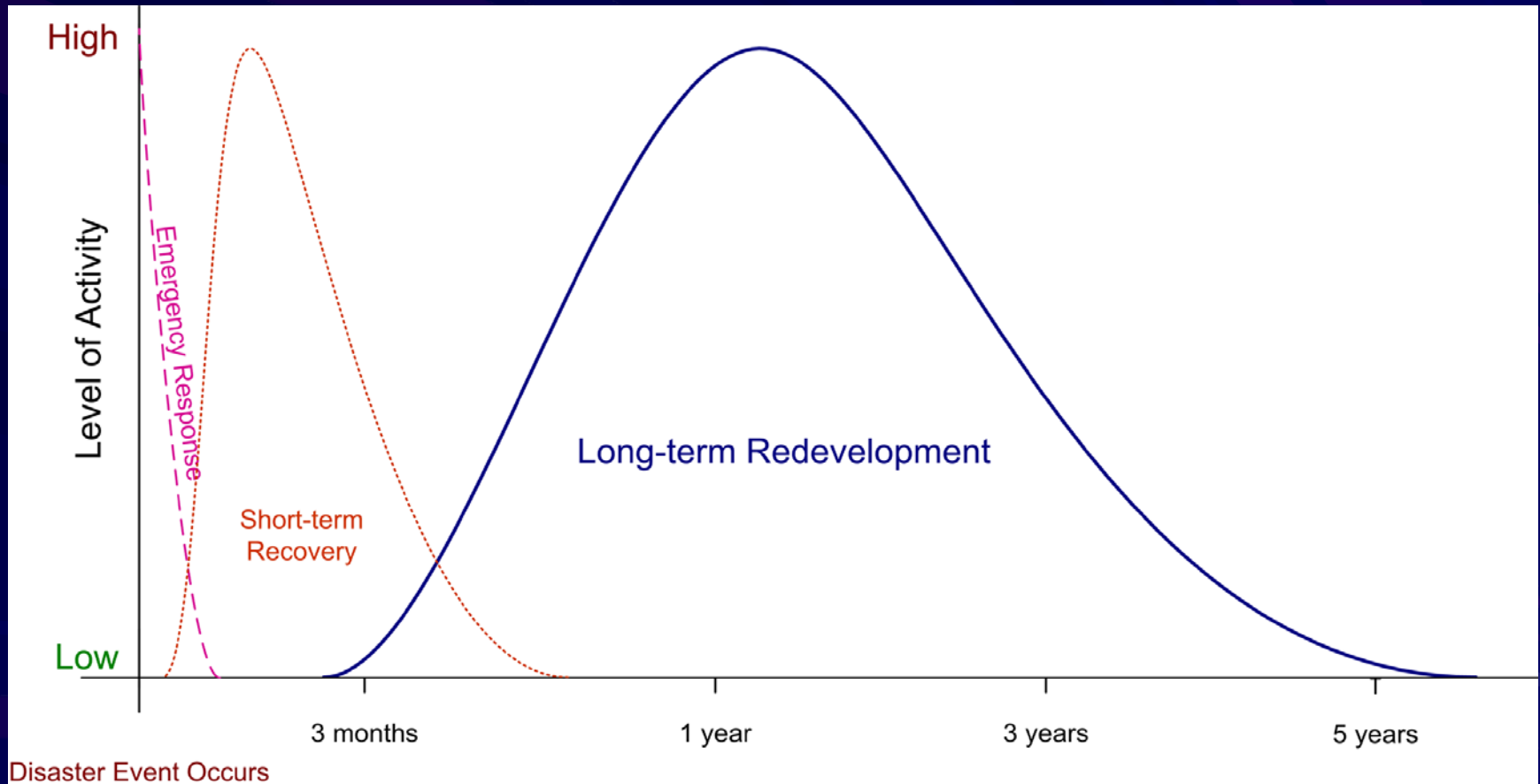
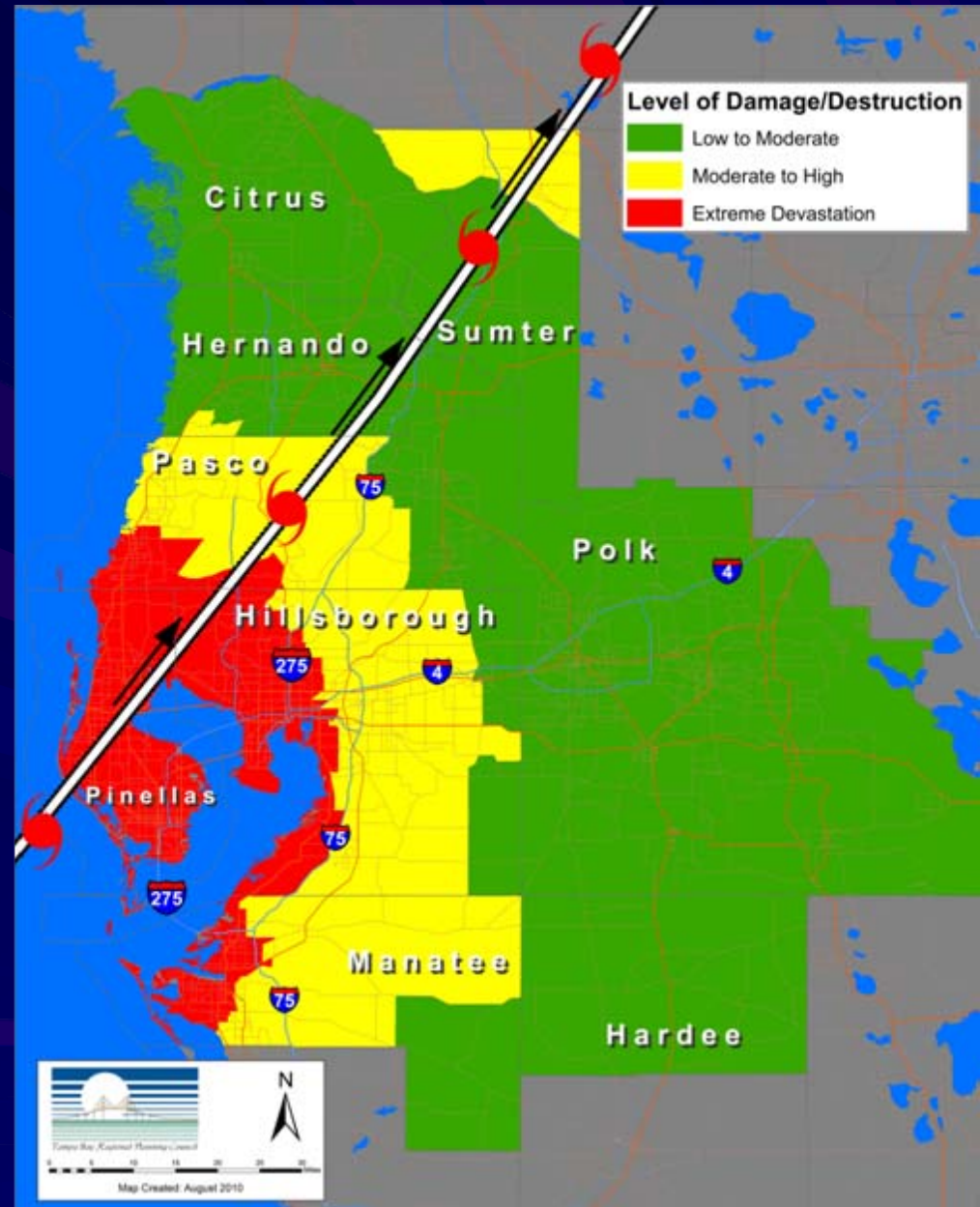


Table-top Exercise

A Category 5
hurricane striking
Pinellas County



Hurricane Phoenix

■ Debris Summary Report

- Pinellas - 18,428,942 tons
- Region - 41,215,595 tons

■ Social Impacts

- Displaced Population (# of Households) 144,856
- Short Term shelter (3 of Persons) 412,000

■ Economic Loss

- Residential Property (Capital Stock) Losses \$16,316,000,000
- Total Property (Capital Stock) Losses \$25,548,000,000
- Business Interruptions (Income) \$169,000,000



Potential Impacts to Infrastructure

- Major destruction of housing and infrastructure
- Major environmental damage
- Bridges are washed out, roads are undercut and washed away, many road signs and signals are down
- Many areas are still without power, powerlines are down
- Lift stations and wastewater treatment facilities might be compromised
- Waterlines and facilities might be breached
- Airport facilities are damaged
- Hospitals and other Health Care Facilities damaged
- Tons of debris - including hazardous debris
- Schools and public buildings are damaged

SWOT Analysis

- Strengths
- Weaknesses
- Opportunities
- Threats

Responsibilities

- What will you / your agency be doing during the short-term recovery phase?
- What about Long-term?

Major Issues

- What will be your major concerns/issues at each point in the recovery?
- Will you have the resources necessary to address these issues? What will you need? Maps? Funding? Data?

Mitigation?

- What things/actions do you think could be done now/planned for/budgeted for NOW to be better prepared and more disaster resilient – i.e., what kinds of mitigation opportunities do we have now?
- Should disaster resiliency be rolled into annual capital planning processes?

Opportunities?

- What opportunities are presented by the storm to rebuild with more resilient design, better construction or locating facilities out of harm's way?
- How do we position the county to take advantage of these opportunities?

How far into the future do we plan?

Sea Level Rise

- What happens if sea levels do actually rise as projected? What infrastructure will be most affected?
- Do we want to build new infrastructure to compensate for anticipated changes 50 years down the road?

Milestones

- Population moved to Permanent Housing
- Economic indicators show unemployment has stabilized
- 70% or more of businesses have reopened
- Percent of population reliant on disaster /social assistance programs has decreased to or near pre-disaster levels.



What will be your Milestones? What will define recovery/success?

1. Power/Utilities restored to all communities?
2. Expedited Long-term CIP projects?
3. Facilities hardened?

