Hurricane Katrina Update:
PD&R Assistance

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Hurricane Katrina

• Landfall on 29 August 2005
• Florida to Texas
  - Impact mainly to Louisiana and Mississippi
• Flooding in New Orleans
• Storm surge in coastal Mississippi
• Damage to homes, businesses and communities
Flooding Extensive in New Orleans

Lakeview
Gentilly
Lower 9th Ward
French Quarter
Katrina’s Impact on Gulf States

• Storm surge damage in coastal areas
  - Extensive damage in coastal Mississippi
  - Flooding in New Orleans from levee failure
• Damage comparable to next four largest major disasters from past 20 years (Hurricanes Andrew and Ike, Midwest floods and Northridge earthquake)
• Private and public property damage
• HUD supplemental CDBG funding $19.7 billion
• 1.3 million homes damaged, 300,000 with major/severe damage
Impacts and Challenges

- Housing losses
- Community and Housing demographics
  - High homeownership
  - Modest income
- Existing systems overwhelmed
- Flooding lengthened response and increased damage
- Resident’s desire to stay
PD&R Immediate Evaluation and Involvement

- Model for allocation of CDBG funding to affected states
- Framework for New Orleans Recovery
- Prototype for Long Term Community Recovery Planning
- Mold Study for New Orleans
- Economic Assessment activities
- Analytical support for HUD leadership
Federal Innovations and Activities

- Disaster Housing Assistance Program
- Alternative Housing Pilot Program
  - State leadership of housing efforts
- Joint Housing Solutions Group
  - Identify alternatives to conventional disaster housing
- Long Term Community Recovery
- Rapid Rental Rehabilitation
  - Bringing housing on line regardless of source of damage
- PD&R Disaster Research
Disaster Housing Assistance Program - Katrina

- Pilot program provided extended temporary housing assistance to nearly 37,000 hurricane-affected families
- Enabled families to relocate out of the disaster area
- Helped families prepare for greater housing self-sufficiency

Initial Lessons Learned

- Many DHAP-Katrina families needed assistance for more than 4 years
- Approximately 12,000 families transitioned to the HCV program
- Case management services were valuable and necessary
- PD&R study of a sample of 3,000 DHAP-Katrina families is ongoing
Alternative Housing Pilot Program

- FEMA pilot to examine housing alternatives
- One-time, $400 million
  - Grants to Alabama, Mississippi, Louisiana and Texas
- About 4,000 homes produced
- PD&R involvement
  - Program guidance
  - Evaluating proposals
  - Program evaluation
- Lessons
  - Long-term temporary housing
  - Strong local support critical
Joint Housing Solutions Group

- **FEMA effort**
  - HUD partnership

- **Identify and assess alternatives to traditional disaster housing**
  - What is new?

- **Issues include**
  - Production capacity
  - Utility for long-term use
  - Construction standards
  - Design expectations
Rapid Rental Rehabilitation

- Authorized under the Post-Katrina Emergency Management Reform Act
  - Temporary authorization for evaluation
- FEMA allowed to repair available housing undamaged by disaster event
- Tested in Cedar Rapids, IA and Galveston, TX
  - Significant interest
  - Non-profit housing providers often have units
  - Modest per unit cost
- No authority for future use
PD&R Disaster Housing Research

• Roadmap for Disaster Housing Research

• Enhancing Disaster Resistance
  - Disaster Resistance in Existing Homes
  - Incremental Reconstruction of Damaged Homes
  - Benefits of Specific Disaster Housing Strategies

• Establishing Housing Production Factories Outside Disaster Areas

• Accessible Disaster Housing Designs

• Performance Requirements for Disaster Housing