Army Corps of Engineers
Infrastructure Investment

Presentation to
U.N. High-Level Experts & Leaders Panel
on Water and Disasters

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USACE's Annual Investment in America

- Inland Navigation: $2.9B
- Flood Risk Management: $1.7B
- Harbors
- Environmental Restoration & Stewardship: $0.7B
- Emergency Management
- Outdoor Recreation
- Shore Protection
- Hydropower
Hurricane Katrina: The Cost of Failure to Invest...

**Pre-Katrina “System” 2005**
- 50% complete after 40 years
- $130 B in recovery costs
- 1500 lives lost

**$14B Post-Katrina System**
- Designed and constructed in 6 years
- Successfully performed during Hurricane Isaac
New Orleans Hurricane & Storm Damage Risk Reduction System

- Cost to construct (2006-2011): $14 billion
- Damages prevented in Hurricane Isaac (2012): $120 billion
- An 8:1 return on investment the first year!
Infrastructure Investments
$900M/Year

- 709 Dams and Reservoirs
- 2500 Levee Systems
14,500 miles of levees

Primary Purposes
Flood Risk Management
Low Flow Augmentation for Water Quality & Navigation
Aquatic Ecosystems

Secondary Purposes
Recreation
Fish & Wildlife Conservation
Water Supply
Hydropower
Investment Actions

• Study/Design for sea level change
• Reservoir capacity analysis
• Vulnerability assessments
• Access to water data
• Sustainability/Resilience
• Update drought contingency plans
• Exercise flexibility in reservoirs operations
• Risk communications
Infrastructure Strategy

- Asset Management
- Life Cycle Portfolio Management
- Alternative Financing
Leveraging Resources (Alternative Financing)

Red River of the North, Fargo, ND/Moorhead, MN
Questions