

Army Corps of Engineers Infrastructure Investment

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

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US Army Corps of Engineers
BUILDING STRONG®



USACE's Annual Investment in America



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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



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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



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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



Leveraging Resources (Alternative Financing)



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



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Questions



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