ORBCRE Symposium & ORBA Summit

- USACE/LRD Civil Works Priorities
- USACE/LRD CW Programs Overview
- LRD Priority Projects
USACE/LRD Civil Works Priorities

- **Improve Execution** - Risk Informed Decision Making

- FY2018 Supplemental Appropriations (Hurricanes and other recent flooding)

- Hurricane Michael Response
USACE/LRD Priorities – Risk Informed Decisions

USACE Risk Analysis Model
Decision-Making Under Uncertainty

Risk Assessment
- Analytically based

Risk Management
- Policy and preference based

Risk Communication
- Interactive exchange of information, opinions, and preferences concerning risks

USACE Risk Management Model

Establish Decision Context

Identify Risks

Analyze Risks

Evaluate Risks

Risk Management Decision

Monitor, Evaluate, Modify

Consult, Communicate and Collaborate
USACE/LRD Priorities - FY 18 Storm Supplemental: $17.4B


- **Investigations** ➔ $135M, 38 Study Activities
  - Initiate and/or Complete Current/Future Auth Studies, 100% Fed
  - $75M for HIM Impacted States (5/2) + Up to $60M for Other Impacted States (33/3)

- **Construction** ➔ $15.1B, 58 Projects
  - $15B to Construct FRM Projects: Already Auth; Future Auth Report; Chief’s Report as of 9 Feb (not yet auth) w/ASA determination; Studied using PL 115-123 Investigations funds w/ASA determination
  - $10.4B for HIM Impacted States (5/2); $4.6B for Other Impacted States (33/3)
  - Projects in PR/VI 100% Fed; Suppl $$ applied to ‘On-going const’ projects cost-shared at 100% Fed; Other projects (NOT on-going) Fed funded upfront, w/normal cost-share and applicable cash requirement payable option over 30 year finance period
  - Up to $50M for FRM CAP Projects

- **Mississippi Rivers & Tributaries** ➔ $770M, 12 Projects (Channels/Levees)
  - $370M for Near-term Emergencies (10 Projects); $400M for Long-term FRM projects (2 Projects) (Already Auth and/or Auth after enactment for emergencies)

- **Operations & Maintenance** ➔ $608M, 66 Projects (Emergency Repairs)
  - Dredge Fed Nav Channels and Repair Damages

- **Flood Control & Coastal Emergencies** ➔ $810M, 81 Projects (Emergency Repairs)
  - Includes Auth Shore Protection Projects to Full Project Profile at Full Federal Expense

- **Expenses** ➔ $20M
LRD – Response to Hurricane Michael

- USACE supports FEMA as requested - has very limited authority to respond ahead of FEMA request.

- LRP/LRD has lead on Power Mission Teams

- Supporting SAD
  - LRL Debris Removal Mission Teams
  - Roofing Mission Teams
  - Housing Mission
  - Infrastructure Assessment Mission Teams
Civil Works Business Lines and Programs

USACE CW Business Lines
- Navigation
- Flood and Storm Risk Management
- Aquatic Ecosystem Restoration
- Emergency Management
- Regulatory Program
- Hydropower
- Recreation
- Water Supply

USACE CW Programs
- Specifically Authorized projects – planning, design and construction + Sec 729 Watershed Studies
- Continuing Authorities Programs, ie.
  - Sec 14 Emergency Streambank
  - Section 205 Flood Risk Mgmt.
  - Section 206/1135 Aquatic Ecosystem Restoration
  - Section 204 Beneficial Use Dredge Material
  - Beneficial Use of Dredge Materials
- CW Planning Programs
  - Planning Assistance - Comprehensive Plans or Tech. Assist.
  - FPMS and SJ
- Regulatory – Waters of US - Sec 404 permits
- Locks & Dams and Reservoir Operations and Property Mgmt.
- PL84-99 FRM Inspection & Rehabilitation.
- Dam Safety
## Continuing Authorities Overview

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LRD Civil Works Priorities

1. **Reduce time and cost of Feasibility, Design and Construction**
   a. FY2018 Supplemental Projects – Very aggressive schedules, rigid cost caps.
   b. Hurricane Michael Support – Disaster response
   c. All LRD CW programs and projects – “Execution is the most strategic thing we can do!”

2. **Great Lakes and Ohio River Basins Priority Topics**
   a. Invasive Species – i.e. Asian Carps
   b. Risk Informed Decision Making – Collaborative Partnerships
   c. Climate Change – Uncertain Future

3. **Selected On-going Ohio River Basin Projects of Interest.**
   a. PAS Comprehensive Plan – ORSANCO and Commonwealth of KY.
   b. Silver Jackets Interagency Ohio River Basin Flood Risk Management workshop
   c. Barkley Locks - collaboration w/FWS on barrier to upstream dispersal of Asian Carps
Questions

Nashville, TN

Louisville, KY

Pittsburgh, PA

Huntington, WV

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DISCUSSION