USACE Civil Works Program

Moderator:

Speaker:
• Maj. Gen. Ed Jackson, P.E., USA, Deputy Commanding General for Civil & Emergency Operations, HQ USACE
U. S. Army Corps of Engineers
Civil Works Update

MG Ed Jackson, PE
Deputy Commanding General, Civil & Emergency Operations
USACE Civil Works Mission

Military Programs
- Military Construction
- COCOM Support, Overseas Contingency Operations (OCO)
- Installation Support, Environmental, Energy and Sustainability

Real Estate
- Acquire, Manage and Dispose
- DoD Recruiting Facilities
- Contingency Operations

Civil Works
- Navigation, Hydropower
- Flood Control, Shore Protection
- Water Supply, Regulatory
- Recreation, Disaster Response
- Environmental Restoration

Research & Development
- Warfighter
- Installations & Energy
- Environment
- Water Resources

Homeland Security
- Critical Infrastructure
- Anti Terrorism Plans
- Intelligence
- Facility Security Partnership

Interagency Support
- Federal
- State
- Local
- International

Geospatial Support
- Support to Civil Works Programs
- Support to Military Programs

USACE Has a Diverse Mission Set Driven by Diverse Customers
Civil Works Value to the Nation

- Every $1 spent on Flood Risk Management prevented nearly $8 in flood damages (Both adjusted for inflation)
- 707 dams; 14,700 miles of levees; 400 miles of shoreline protection
- 180 major ports (250K+ tons of commerce), 887 smaller harbors
- 13,000 miles of commercial inland waterways generate $18B and 500,000 jobs annually
- Environmental restoration
- Response to 40 Presidentially declared disasters a year
- Nation’s largest outdoor recreation program – 370 million visits a year
- Stewardship of 11.7 million acres of public lands
- 75 hydropower plants produce 3% of US electric energy
- Water supply: 6.5 billion gallons per day
- Nearly $4.8 B in contracts to private business

“The Nation’s security depends on its economic strength, and its economic strength depends on its infrastructure”
Civil Works Leadership Team

Key HQUSACE Enterprise Teammates:

Real Estate: Brenda Johnson-Turner, SES
Environmental: Karen Baker, SES
IIS: Ray Alexander, SES
Office of Counsel: David Cooper, SES
Contracting: Stuart Hazlett, SES
Human Resources: Sue Engelhardt, SES
CIO/G6: Greg Garcia, SES
RM: Tom Steffens, SES
ERDC: Dr. Jeff Holland, SES, PE

Steve Stockton
SES, PE
Director of Civil Works

Ed Jackson
MG, PE
DCG, Civil and Emergency Operations

Bob Pietrowsky
Dir, Institute for Water Resources

Eddie Belk
SES, PE
CH, Operations and Regulatory Division

Tab Brown
SES, PE
CH, Planning and Policy Division

Karen Durham-Aguilera
SES, PE
CH, Contingency Operations and Homeland Security

James Dalton
SES, PE
CH, Engineering and Construction Division

Mark Mazzanti
SES
CH, Program Integration Division
Funding Trends (adjusted for inflation)

$ Millions

20000
18000
16000
14000
12000
10000
8000
6000
4000
2000
0


Fiscal Year

Supplementals
Expenses
Water Supply
Emerg Mgt
Recreation
Regulatory
FUSRAP
Environment
Navigation
Hydropower
Flood Risk Mgt

Katrina
Post-Katrina + ARRA
Miss R Flood
Sandy
### FY16 Work Plan/FY17 President’s Budget

**FY16 Work Plan:** $5.989B  
($1.3B increase in Omnibus)  
**FY17 PresBud:** $4.620B

<table>
<thead>
<tr>
<th>Business Line</th>
<th>Amount FY16 (FY17)</th>
<th>% of Total Approps</th>
</tr>
</thead>
<tbody>
<tr>
<td>Navigation</td>
<td>$2.61B ($1.934B)</td>
<td>44%</td>
</tr>
<tr>
<td>Flood Risk Management</td>
<td>$1.703B ($1.214B)</td>
<td>28%</td>
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<tr>
<td>Ecosystem Restoration, Stewardship/FUSRAP</td>
<td>$692M ($583M)</td>
<td>12%</td>
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<tr>
<td>Hydropower</td>
<td>$216M ($196M)</td>
<td>4%</td>
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<tr>
<td>Recreation</td>
<td>$284M ($267M)</td>
<td>5%</td>
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<tr>
<td>Regulatory</td>
<td>$200M ($200M)</td>
<td>3%</td>
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<tr>
<td>Water Supply</td>
<td>$67M ($7M)</td>
<td>1%</td>
</tr>
<tr>
<td>Emergency Management</td>
<td>$35M ($35M)</td>
<td>1%</td>
</tr>
<tr>
<td>Expenses</td>
<td>$184M ($185M)</td>
<td>3%</td>
</tr>
</tbody>
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Major Construction Projects
($5 M or More in FY17 Budget)

Numbers in circles = $million budgeted
Things to Consider

**Climate Change/Global Warming**

Dredge Status:
- Ongoing

**Newport**:
- MIDFARLAND: 22 Jan 16 - 7 Mar 16
- NEWPORT: 20 Dec 15 - 16 May 16
- BE LINCOLN: 15 Feb 16 - 7 Mar 16
- TERRAPIN ISLAND: 16 Feb 16 - 23 Apr 16
- GOD MORGAN: 16 Feb 16 - 3 Jun 16
- WHEELER: 24 Feb 16 - 7 Apr 16
- EW ELLEFSEN: 23 Feb 16 - 12 Apr 16

**Scheduled**:
- NEWPORT: 3 Mar 16 - 15 May 16

Dredge Newport will commence work under the new contract today, 3 Mar 16.

**Green/Gray/Hybrid Solutions**

**Systems Approaches**
- Regional Sediment Management
- Engineering with Nature
- Natural & nature-based features
- Storm Modeling

**Regional/Systems Approach**

**Efficient Funding Before Crisis**
My Areas of Focus

Deliver on Commitments

Strategic Engagement

Continue CW Transformation

Manage Transitions
“always in motion, the future is…” - Yoda
What Can You Do?

- Evangelize Water Resources Infrastructure Value to Nation: Decision makers need to hear from YOU
- Synchronize Messages: Collaborate with ALL stakeholders and beneficiaries
- Facilitate holistic approaches: Help the Nation prioritize investments
- Support innovative approaches for alternative financing…”we must fund infrastructure differently in the future”

“why is infrastructure not a critical issue in the current debate and upcoming election? Who is OUR champion? What is the legacy we leave our kids?”
Questions