EBC Breakfast Program:
Leadership of U.S. Army Corps of Engineers
New England District
Welcome

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Environmental Business Council of New England
Energy Environment Economy
Introduction & Program Overview

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Program Moderator

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Environmental Business Council of New England
Energy  Environment  Economy
Keynote Presentation

Colonel William M. Conde
Commander
New England District
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Agenda

- USACE Overview
- New England District
- The Corps and the Environment
- Upcoming Opportunities
- Final Thoughts
USACE Footprint

WHERE WE ARE — U.S. ARMY CORPS OF ENGINEERS

Physical presence in 34 countries; engagement in 100+ countries
USACE Programs – FY 18

Military

$23.4 B
- Military Construction
- Contingency Ops
- Installation Support
- International & Interagency Support
- Real Estate

IIES

$\sim 5.8$ B
- EPA, DHS, VA, DoE, F&WS, NOAA, FEMA, HUD, INS, Coast Guard, National Park Service, Commonwealth of Massachusetts and others
- “Whole of USACE” Capabilities

Civil Works

$7$ B
+ $3$ B Supl
- Nav & Hydropower
- Flood Risk Management
- Shore Protection
- Ecosystem Restoration
- Emergency Management
- Water Supply
- Regulatory
- Recreation

HQ

Industry & Business

43+ Districts
( Project Funded )

Fed / State / Local Gov

9 Divisions
( Direct Funded )
OUR CURRENT MISSION SET

DA

The Engineer Regiment
90,000 members of the Total Engineer Force

DA MILCON and Installation Support
$8.4B / 3 million service men and women / 287 Installations

Civil Works
$7B / ~1,000 projects to maintain waterways / protect environment

DoD

COCOM Support
110 countries / $10B to COCOMS and Interagency

Missile Defense Agency
5 critical projects / $875M / Romania, Poland, Alaska

USAF / USN / DHA / DLA
$9.8 installation infrastructure for DoD and Sister Services

IIS

CBP Southwest Border
Advise, design and construct 13 projects worth $1.9B

Veterans Affairs Program
Design and construct 15 medical facilities valued at $7.8B

Mosul Dam
Rehab for DoS and train Iraqis; Mitigates risk for 3.9 million Iraqis and $20B economic loss

Natural Disaster Response
$3.9B in support of federal response to disasters in CA, TX, FL, PR, USVI

+ Trump Infrastructure

Relied upon to deliver a massive portfolio of programs, projects, and support for others.
The Tale of the Tape

- 6 Governors
- 12 Senators
- 21 Congressional Districts
- 13 million people

- 66,000 square miles
- 6,100 miles of coastline
- 11 deep draft commercial waterways
- 13 major river basins
- 168 Federal harbors
- 5 Military Bases

- 510 Employees
- 31 Dams; 5 Basin Offices
- 4 Resident Engr, 2 Regulatory Offices
- 3 Hurricane Barriers
- Cape Cod Canal

- ~ 2500 Permits issued annually
- $72M military program
- $118M CW program
- $75M IIES program
District Snapshot

• Good relationships with Federal, State, and Local leaders, agencies, partners, and stakeholders. Tremendous reach-back support within USACE to other capabilities.

• Consistent annual program – relatively balanced between Military, Civil Works, and IIES. Large Regulatory program. Large growth for all FY18 – FY20

• Support to FEMA Region-I under NRF, Debris Team, & Base Development Team

• **Capabilities:** Project Management, Engineering, Design, Inspection, Construction Management, Operations and Maintenance, Disaster Response & Recovery, Environmental Services, Real Estate Services, Cost Estimating, Value Engineering, Coastal Storm Damage Reduction, Modeling, Independent Technical Review
The Corps and the Environment

- International Joint Commission
- Streambank / Shoreline Protection
- Disaster Response
- "Green Ops"
- Education
- Shore Protection
- Recreation
- Superfund
- Construction ICW
- NEPA, CWA, ESA
- Aquatic Ecosystem Restoration
- FUSRAP
- FUDS
- Regulatory / 404 Permits
- DAMOS
- Retro-fit Hydropower
- Flood Risk Management
- Reconstruction ICW
- NEPA, CWA, ESA
• Remediation of ~ 18,000 acres split into 2 x Operable Units (OU). OU1 is ~ 1000 acres with some sediments containing PCBs >>10,000 ppm.
• Majority of waste transported to Michigan for disposal.
• Remediation includes hydraulic and mechanical dredging, and shoreline / intertidal excavation.
• Work to continue for the next several years.
Former Cape Poge Little Neck Bomb Target Site Munitions Project

Subsurface clearance of munitions (MK23’s) and long term monitoring of 62 acres on land and 172 acres in the inland water of Cape Poge Bay

1,000+ munitions found, Navy Plane Land Restoration ongoing
• PH 1: Flood Risk Management Project (major damage in late 90s); installation of two 10’ x 24’ culverts, day lighting of 600’ of Muddy River. Cost is $31M. Ribbon cutting July 2016.

• PH 2: Involves dredging conveyance channel downstream of PH 1 area, selective dredging of 5 areas in upstream area. Estimated cost $30-40 M. Anticipated contract award FY 18.

• Challenges: Dense, historic urban area with high amount of institutional, commercial and residential abutters; contaminated soils; heavy phragmites growth
Boston Harbor Deepening

- Deepen the Outer Channel from 40’ → 50’, deepen the Main Channel into the Conley Terminal from 40’ → 47’. Removal of 11M CY of material.

- PPA signed SEP 2017

- Responding to GAO protest, expect decision by JUN 18

- Oversight of Eversource cable removal
Ecosystem Restoration

- Salt marsh / salt pond restoration
- Estuary restoration
- Freshwater wetland restoration
- Island restoration
- River restoration
- Pond restoration
- Anadromous fish passage
• **Vertical Construction** – schools, military barracks, offices, medical clinics, laboratories
• **Bridge** - renovations & repairs
• **Dredging** – mechanical and hydraulic; harbors large and small
• **Building repair** - roofs, façades, HVAC upgrades and interiors
• **Jetty / Breakwater** - rebuild and repair
• **Environmental Remediation** / HTRW support
• **A/E Design**
• **Dam and Gate** - repair and renovations
• **Professional services** and supplies
• **Security upgrades** – fences, cameras, etc
• **Road** repair and drainage
• **Sustainable or renewable energy** supplies
## Upcoming Environmental Opportunities

### MILITARY O&M / SRM
- Remediation Services @ JBCC  
  $25 M

### IDIQ
- Environmental Services (various NE)  
  $5 M
- Technical Assistance & Oversight (Gen Electric)  
  $15 M
- O&M / Long term Monitoring (Ft Devens)  
  $15 M
- Raymark Remedial Action (Stratford, CT)  
  $99 M

### EPA Superfund
- Water Distr. System (Durham Meadows, CT)  
  $20-30 M

### MISC / Other
- Muddy River Phase II (Boston)  
  $30-40 M
- Ecosystem Restoration (Malden River, MA)  
  $1-5 M
The Corps is involved in virtually every aspect of environmental work... and we are always looking for partners, whether thru small business or unrestricted contracts.

The New England District has local, regional and national obligations & interests... “where you stand depends on where you sit”

How to be successful with the Corps in just three easy steps:
1) Communication before
2) Communication during
3) Communication after
Administration’s Infrastructure Initiative – USACE Role

Jennifer McCarthey

Chief, Regulation Division
New England District
U.S. Army Corps of Engineers
USACE INFRASTRUCTURE INITIATIVE

U.S. Army Corps of Engineers
May 2018
ADMINISTRATION’S INFRASTRUCTURE INITIATIVE

BACKGROUND

- Administration’s goal = seek and secure long-term reforms on how infrastructure projects are regulated, funded, delivered, and maintained.
- President has proposed a $200B federal commitment to produce a $1.5T overall investment in infrastructure.
- The infrastructure legislative principles were publicly released on 12 February 2018 and can be found here: https://www.whitehouse.gov/wp-content/uploads/2018/02/INFRASTRUCTURE-E-211.pdf.
- The Administration has also asked agencies to improve infrastructure delivery by pursuing changes that do not require legislation.
USACE ROLE

- Working with the Administration on efforts to streamline permitting and accelerate infrastructure project delivery.

- We support innovative approaches to finance our Nation’s infrastructure needs.
  - The traditional federal funding approach is not sustainable – at current funding levels, it would take over 100 years to complete currently authorized Civil Works projects.

- USACE focus areas within the Administration’s Legislative Principles:
  - Incentive Grants
  - Water Infrastructure Finance and Innovation Act (WIFIA) Loans
  - Water Resources
  - Inland Navigation
  - Permitting Efficiencies
ADMINISTRATION’S INFRASTRUCTURE INITIATIVE

USACE Water Resources Infrastructure Program

Civil Works Program

Permitting Efficiencies

WIFIA (Water Infrastructure Finance and Innovation Act)

Incentive Grants

MODIFY TRADITIONAL DELIVERY

NEW IMPLEMENTATION TOOLS
FUNDING AND FINANCING

Legislative Principles:

- **Incentive Grants** – provide $100B in grant authority to USACE, DOT, and EPA to encourage non-federal investment
- **WIFIA Loans** – expand EPA’s Water Infrastructure Finance Innovation Act (WIFIA) authorization to include non-Federal flood mitigation, navigation, and water supply and Federal deauthorized water resource projects
- **Inland Waterways** – expand authority for non-Federal construction and O&M, and non-Federal use of the Inland Waterway Trust Fund and General Funds
- **Fee Retention** – authorize user fee collection and retention under WRRDA Section 5014 Pilot Program (P3 projects)
- **Long-term Contracts** – expand USACE authority to enter into long-term contracts
FUNDING AND FINANCING

Problems Areas:

- Insufficient funding for the Nation’s infrastructure needs
- Unpredictable funding for federal projects

Actions:

- **Grants** – Encourage non-federal investment in infrastructure projects
- **Loans** – Working with EPA to implement WIFIA loans for water resources projects (flood mitigation, navigation, water supply)
- **Alternative Financing** – Supplement traditional project delivery with new methods to finance, incentivize, and transfer risks for infrastructure investments
- **Budgeting** – Reviewing internal budget policies and processes to provide more consistent and predictable funding stream
WIFIA: BASICS

• Authorized by WRDA 2014, Subtitle C Innovative Financing Pilot Projects (Sections 5021-5035)
  – Pilot program to allow non-federal entities to obtain federal credit (low-cost loans & loan guarantees) for infrastructure construction
  – USEPA: Federal credit for water & wastewater projects
  – USACE: Federal credit for civil works infrastructure projects

• Rationale: Federal budget authority needed to extend credit is a small fraction of the amount of credit that can be provided
  – Enables agencies to leverage budget authority to help non-federal entities finance capital projects
WIFIA: KEY PROVISIONS

- Eligible Entities
- Eligible Projects
- Activities Eligible for Assistance
- Eligible Project Costs
- Maximum Loan Amount
- Non-Federal Share
- Maximum Federal Involvement
- Loan Repayment Sources
- Loan Repayment Commencement
- Loan Repayment Term
WIFIA: NEXT STEPS

- MOU between USACE and EPA
- Develop program review report (OMB A-129)
- Agency decisions on initial program
- Request funding
- Implement when funded
ENHANCING PROJECT DELIVERY

Legislative Principles:

• Hydropower – Authority for commercial O&M activities at hydropower facilities

• Project Deauthorization – Authority to use a streamlined process for Civil Works projects

• Contributed and Advanced Funds – Authority to expand acceptance of funds

• 902 Cost Limits – Authority to allow for waivers by the Secretary of the Army

• Washington Aqueduct Divestiture – Authority to divest federal assets (e.g., Washington Aqueduct) that may be better managed by state, local, or private entities
ENHANCING PROJECT DELIVERY

Problems to Address:

- Projects take too long
- States and local entities want to be more involved

Actions:

- Legislative and administrative changes to streamline project delivery (e.g., 902 cost limits, innovative contracting strategies, contributed and advanced funds)
- Risk-informed decision making
- Delegations of decisions and authorities (IEPRs, review plans, 408 permissions, others)
- Project de-authorizations (projects that no longer have a Federal interest or are approaching the end of their service life)
ADMINISTRATION’S INFRASTRUCTURE INITIATIVE

PERMITTING IMPROVEMENTS

Legislative Principles:

• “One Agency, One Decision” – establish federal environmental review structure

• NEPA Alternatives and Efficiencies – CEQ to issue regulations to streamline

• Mitigation Banks and Mitigation Credits – remove duplication by eliminating Interagency Review Team, clarify creditable mitigation options

• Nationwide Permits – authorize Federal agencies to use nationwide permits without additional USACE review

• Jurisdictional Determinations – consolidate authority for Section 404 wetlands jurisdictional determinations with USACE

• Section 404 Permit Veto – eliminate duplicative oversight by removing EPA’s authority to veto a 404 permit

• Section 408 Permissions – allow use of one NEPA document for both Section 404 and Section 408 actions where scopes of authority overlap

• USACE Projects pursued by non-Federals – allow use of existing environmental documentation for authorized USACE projects pursued by non-Federal interests
PERMITTING IMPROVEMENTS

Problems to Address:

- Permitting process takes too long
- Duplicative requirements and oversight

Actions:

- “One Agency, One Decision”
  - Establishing Federal environmental review structure
- Clarifications or improvements to:
  - National Environmental Policy Act (NEPA)
  - Mitigation and mitigation banks
  - Nationwide Permits
  - Clean Water Act Sections 404 and 401
  - 33 USC 408 (Section 408) – to modify or alter USACE project
  - Permitting for CW projects undertaken by non-Federal sponsors
OPPORTUNITIES FOR INPUT

- Stakeholder Sessions in DC:
  - May 2018 on Water Resources and Permitting
  - 35 national level stakeholder organizations
  - Additional engagements being planned

- Additional WIFIA outreach to be scheduled

- USACE website for information: http://www.usace.army.mil/Missions/Civil-Works/Infrastructure/

- Direct input or feedback to: CW.Infrastructure.Team@usace.army.mil
Moderated Discussion

Moderator:
• Curtis Thalken, Normandeau Associates

Panelists:
• Colonel William Conde, USACE
• Jennifer McCarthy, USACE