MG KENDALL P. COX
USACE Deputy Commanding General
for Military and International Operations

26 March 2013
USACE Mission Areas

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

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

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

**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
- Common Operating Picture/Environment
- Support to Emergency & Contingency Ops

USACE Has a Diverse Mission Set Driven by Diverse Customers
USACE Military Missions

- Military Construction
- Overseas Contingency Operations (OCO)
- COCOM Support
- Installation Support
- Environmental
- Real Estate Services
- Interagency and International Services
- Energy and Sustainability
USACE Program Trends

MILCON “Surge”
BRAC05 and “Grow the Army”

ICRI Data as of 22 Jan 13
End of MILCON “Surge” and OCO sunset requires change in business processes and shift to facility Sustainment, Restoration, and Modernization (SRM), Host Nation/FMS, and DOD/inter-agency support.
The Future of the Profession

The USACE professional (or *The Army Engineer*) possesses the following qualities:

• **Understands the complex and evolving systems** in which our stakeholders operate and can assist in shaping and articulating requirements.

• **Builds alliances with technical leaders in the field** through interaction with academics, professional associations and industry to maximize innovation and bring the best technical solutions to the table.

• **Embraces the principles of sustainability** and has the ability to advise partners on the best investments to achieve sustainability and energy security goals.

• **Factors in risk as a course of doing business and collaboratively works with partners to mitigate risk wherever possible.**
SUPPORT THE WARFIGHTER AND NATION - TODAY AND TOMORROW

• Support the Combatant Commands’ security activities and the efforts of other U.S. government agencies around the globe to advance our Nation’s interests.

• Partner with the Installation Management Community at all echelons to deliver and maintain enduring installations and contingency basing

• Support the Nation and the Army in achieving energy security and sustainability goals
Support to National Security Objectives

Emerging Strategic Context

- Combat Terrorism & Illicit Trafficking
- Maintain Stability
- Strategic Engagement/Build Partner Capacity
- Energy Security/Climate Change
- Infrastructure
- Disaster Response
- Water/Food Security
- Foreign Assistance Competition

"We must build and integrate the capabilities that can advance our interests and the interests we share with other countries and peoples."

DoD Global Strategy
- Seek to be the partner of choice
- Conduct a sustainable pace of "presence" activities abroad
- Make thoughtful choices on these operations
- Develop innovative, low-cost, and small footprint approaches

USACE Primary Capabilities
- Support to the Warfighter
- Disaster Preparedness and Response
- Engineering Solutions
- Energy and Environment
- Integrated Water Resource Management
- Applied Science and Technology

USACE Enablers
- Enduring strategic relationships and physical presence abroad
- Enterprise processes - tailored solutions
- Expeditionary capability – regional alignment
- JIIM partnerships and authorities
- Responsive R&D/S&T solutions
- Flexible and ready acquisition tools
- Civ-Mil: integrated talent – synchronized solutions
- Systems approach – integrate broad capabilities

End State

- NSS
- GEF

Working with our joint, interagency, intergovernmental, and multinational partners to deliver innovative, holistic, and sustainable solutions that achieve national security objectives and end states.
Deliver vital engineering solutions, in collaboration with our partners, to secure our Nation, energize our economy, and reduce risk from disaster.

**PRIORITIES**
- Support the Warfighter
- Reduce Disaster Risks
- Transform Civil Works
- Prepare for Tomorrow

**KEY EVENTS (past 3-weeks)**
- **Nepal**: Nepal Phase I Table Top Exercise (TTX) completed in partnership with USARPAC, III MEF, and Nepal Army
- HAP-EP Tent submission delivered to Gov't of Nepal
- **Mongolia**: Tuul River Flood Analysis scoping trip completed
- **PACOM**: Support to joint exercise Gema Bhakti CDW/IPC

**FUTURE EVENTS**
- **Australia**: Pacific Environmental Security Forum (16-19 Apr)
- **Bangladesh**: Debris Management Workshop (31 Mar – 04 Apr)
- **Korea**: Support to Key Resolve (14-22 Mar)
- **Lower Mekong Initiative (LMI)**
  - Thai MoST visit to New Orleans & TVA (6-7 Mar), follow-on exchange in Thailand (25-29 Mar)
  - Road Pavement and Materials Management Workshop (6-10 May, Laos)
  - Pacific Resilience DREE (10-13 Jun, Cambodia). Participants include US, Cambodia, Laos, Thailand, and Vietnam
- **Indonesia**
  - Urban Search and Rescue Workshop, Deployable Tactical Operation System (DTOS) Workshop (27-30 May)
  - Pacific Resilience DREE (3-6 Jun)
- **Mongolia**
  - Advanced GIS Workshop (29 Apr – 02 May)
  - Tuul River Flood Analysis (24-27 Jun)

**Supporting USACE Offices**
- 36

**Support to U.S. & Coalition (FY13 Awards)**
- $791M

**Security Cooperation (FY13 Awards)**
- $24.3M

**Security Assistance (FY13 Awards)**
- $4.9M

**Support to Others (# countries)**
- 14

**Exercises Supported**
- 7

**As of 07 Mar 13**

Building Partnerships and Promoting Cooperation Through Disaster Relief and Water Resource Management Engagement (P1/P2/P3)

FY13: USACE- PRC-MWR MOU (promoting cooperation: disaster relief, flood control, river basin mgmt, environment & restoration)

MG Walsh speaking at 5th Int’l Yellow River Forum

2013 Regionally Aligned Engineers:
- 36 & 35 EN BDE, 412 TEC
- Japan EN District
- Okinawa Area Office
- Resident Offices (6)
- Korea Far East EN District
- Humphreys Area Office
- Resident Offices (6)
- GUAM
- 97th EN CO
- Guam Regulatory Office
- 84th EN BN
- PACOM HQ/USARPAC HQ
- Okean 2012
- Pacific Ocean EN Div
- LNO to PACOM
- Honululu EN District
- Area Offices (2)
- 652nd EN BN
- 95 EN CO (Cl)
- 82 ESC
- 34 Sapper CO
- 70 En Co (Topo)
- 561 Horiz CO
- 523 Horiz CO
- 643 Vert CO
- 2/25 SBCT: EN CO
- 3/25 BCT: EN CO
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Strategic Context

1.005B Current GSF

Army Facility Strategy 2020

New Construction Centric

Spans full Facilities Life Cycle; MILCON last resort

Mil Missions Strategic Focus

- Transformation
- BRAC05 and Realignment
- Grow the Army

- Continued Streamlining of Process
- Integration of technical capabilities across facilities life cycle enabling smart capital investment decisions of the Installation Management Community

MILCON Transformation
Timely Delivery of Surge Construction

Real Property
End Strength
Funding

WHERE ARE WE GOING?

Integrated, technical capabilities across the full facilities life cycle providing solutions to complex engineering & construction problems
USACE Support to Army’s Energy Program

- Achieving savings 5-10 percent better on average over EPAct 2005 levels
- Strive to meet Energy Independence and Security Act (EISA 2007) by designing energy efficient facilities using current industry standards that promote life-cycle cost (LCC) effective energy efficient measures
  - Renewable energy sources integrated into projects when LCC effective
  - Seeking opportunities to immerse new technologies

LEED Certification – Level Silver

Army is developing Energy Use Intensity (EUI) targets for standard facilities to establish a baseline that ties directly into the Army’s metering system (MDMS)

Intent is total accountability, designer, builder and operator
Installation Energy & Sustainability

USACE Adds Value…

• Support **Net-Zero Initiative** (energy, water and waste, 18 Installations)
• **Life Cycle Approach** (planning, design, construction, commissioning, operation, sustainment and disposal)
• Sustainment Restoration and Modernization (SRM), **deep energy cuts, up to 50 percent**
• Support planning and execution of **alternative financing strategies**
  ➢ Energy Savings Performance Contracts
  ➢ Utility Energy Saving Contracts
  ➢ Power Purchase Agreements
  ➢ Enhanced Use Leases
• Regional Energy Centers of Expertise (knowledge creation and sharing)
Regional Energy CX’s

Established Regional Centers of Expertise
to create and transfer knowledge

NAD - Commissioning, Low impact design, Solar thermal
SAD - District energy, Water, Waste water, Purple pipe
LRD - Charrettes, Conceptual modeling, Geothermal
SWD - OMA / SRM/ existing buildings, Waste to energy
NWD - Building envelope, Air tightness, Passive house, waste
SPD - Life cycle cost analysis, Solar PV, Wind
POD - Energy modeling, Lighting (day lighting and electrical)
HNC - Energy audits, Metering, Acquisitions (ECIP, ESPC etc.)
TAD - Operational energy, Contingency design

ERDC/CERL - Liaison/Advisor assigned to each competency
HDQTRS - Proponent assigned to each center

http://mrsi.usace.army.mil/sustain
USACE MILITARY CONSTRUCTION
ACQUISITION FORECAST
FISCAL YEAR 2013
Exploratory drilling brings out benefits of partnership between districts

Drill Rig Operator John Blackson, U.S. Army Corps of Engineers Baltimore District, works on a rig near the Saddle Dam at Center Hill Lake in Silver Point, Tenn., March 14, 2012. The Baltimore District is supporting the Nashville District with exploratory drilling capabilities. The Nashville District's geologists...
ST. LOUIS, Mo. — As the infrastructure in the U.S. gets older, structural materials deteriorate due to weather, loads and damage through usage. The ability to perform critical and detailed inspections of them becomes a high priority and the U.S. Army Corps of Engineers.

[Image of workers inspecting a bridge]

**Inspection team goes to new heights**

[Links to story and photos]
MILCON Acquisition Forecast

This document provides the USACE acquisition forecast of planned Military Construction projects. This forecast is for advance planning purposes only. Please see Federal Business Opportunities (www.fbo.gov) for actual solicitation opportunities. This information will be updated approximately the first week of each month.

Acquisition Forecast for Military Construction, March 2013
Tenets for Success

• USACE reputation held in high esteem- must keep it that way!

• Never waiver on quality or safety.

• We need to be the Army’s Engineer (and often for DoD and interagency).

• We must deliver what we say we will- cost, scope, and schedule.

• You can’t over-communicate in this business.

• Collaboration and Partnering- every Customer and project is important!

• Must be closely nested with IMCOM and Garrisons at all levels.