

SAME MID-MARYLAND POST LUNCH AND LEARN

FY 2020 Program Overview and
Career Development

LTC Geoffrey Kuhlmann,
deputy district commander

Emily Schiffmacher, P.E., P.M.P.
acting chief, Engineering Division

12 February 2020
Club Meade



US Army Corps
of Engineers®



PRESENTATION AVAILABLE ONLINE FOR DOWNLOAD

Business With Us

The U.S. Army Corps of Engineers has played a key role in the development and growth of the nation in peace and in war. For more than 200 years, the Corps has supported the nation's river-based commerce, protected established population centers, provided disaster response and constructed military facilities to protect our nation.

The Baltimore District (NAB) is a full service District that executes regional and national programs for USACE. Headquartered adjacent to Baltimore's Inner Harbor, the District provides engineering, construction, environmental and real estate expertise to a variety of important projects and customers. The 1,100 employees of the Baltimore District continue to serve the Mid-Atlantic States and the Nation.

Civil Works support encompasses the Susquehanna, Potomac, and upper Chesapeake Bay watersheds, and it spans across six states and the District of Columbia. NAB is responsible for 15 reservoirs with 11 recreation projects, 290 miles of federal navigation channels, 148 miles of federally-constructed levees, and has restored hundreds of acres of wildlife habitat in the Chesapeake Bay.

Military programs are primarily in Maryland, Pennsylvania, District of Columbia, northern Virginia, Delaware, and West Virginia. In addition to supporting service members at more than a dozen major military installations in the District's primary area of responsibility, NAB provides real estate, environmental, and specialized support to military and other Federal clients across the nation and the globe.

NAB fully supports the government policy of placing a fair proportion of its contracts for architect and engineering, environmental, construction and support services with qualified small, small disadvantaged, women-owned, HUBZone and service-disabled veteran-owned small businesses. In addition, such concerns are to also be afforded the maximum practicable opportunity to participate as subcontractors in qualifying contracts awarded to large businesses.

Contacts

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Helpful Links

- [Military Construction Boundary Map](#)
- [Civil Works Boundary Map](#)
- [Small Business](#)
- [U.S. Small Business Administration System for Award Management \(Formerly CCR\)](#)
- [Real Estate Contracting](#)

FY20 Presentations

- [FEB 2020 SAME Mid-Maryland Lunch and Learn Event](#)
- [DEC 2019- SAME Baltimore Post FY20 Federal Programs briefing](#)
- [NOV 2019 - Smart Proc GovCon](#)
- [NOV 2019 - Society of Marketing Professional Services Federal Government Lunch n'Lead](#)
- [OCT 2019 - Southeast Region Federal Construction Infrastructure 8](#)

<https://www.nab.usace.army.mil/Business-With-Us/>

AGENDA

1. USACE overview
2. 2019 Baltimore District overview
3. Major Baltimore District projects
4. Professional development
5. Questions & Answers





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MISSION, VISION, & ORGANIZATION

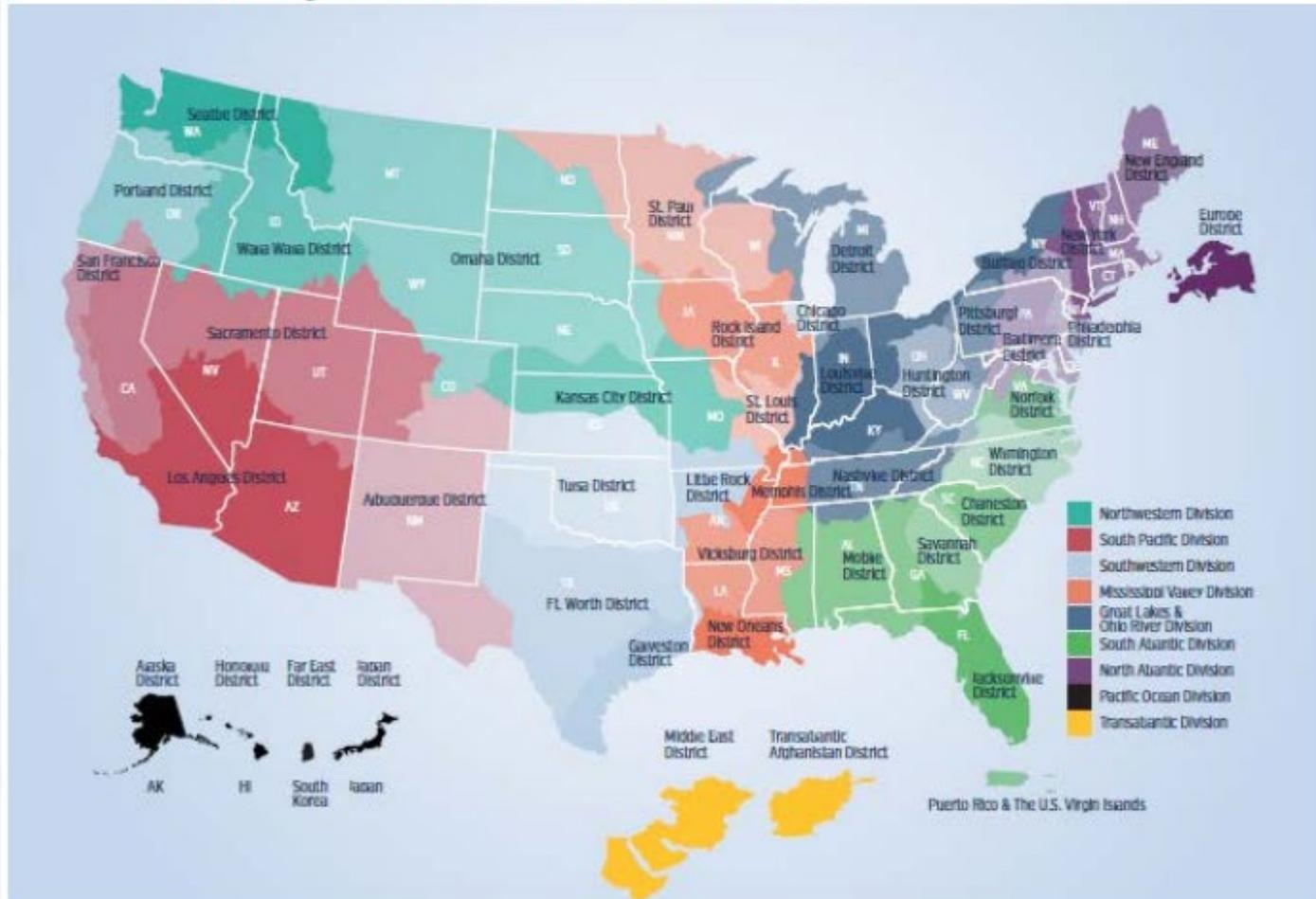


USACE Mission

Deliver vital engineering solutions, in collaboration with our partners, to secure our Nation, energize our economy, and reduce risk from disaster.

USACE Vision

Engineering solutions for the Nation's toughest challenges.



Headquarters

9 Divisions

43 Districts

9 Centers and Labs

1 Active Duty Unit
249th Prime Power Battalion

2 U.S. Army Reserve
Theater Engineer
Commands
412th and 416th

33,000 DA Civilians; 700 Military; \$42 Billion Budget

FISCAL YEAR 2019 - YEAR IN REVIEW



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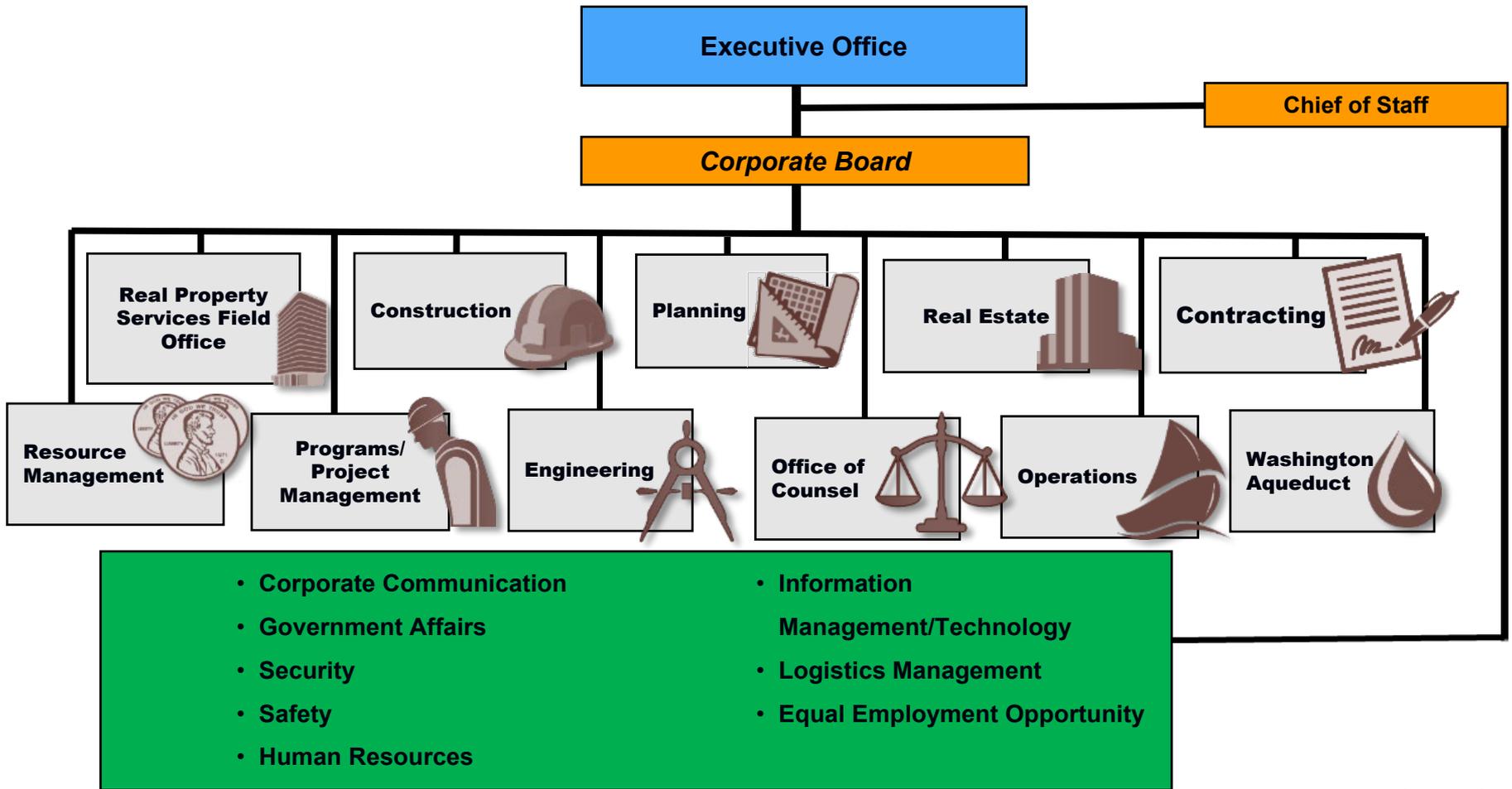
BALTIMORE DISTRICT: WHAT MAKES US UNIQUE



- One of the largest and most visible military missions in the country (National Capital Region)
- Support to the Intelligence Community (NSA, ODNI and others)
- Support to the Port of Baltimore and regional economy
- The Washington Aqueduct – drinking water for Washington DC
- Protection and restoration of the Chesapeake Bay
- Regional HTRW Design Center/National Military Munitions Design Center/Regional Center of Expertise for Health Physics
- Regulatory oversight for natural gas industry pipelines in PA's Marcellus Shale Formation



BALTIMORE DISTRICT ORGANIZATION

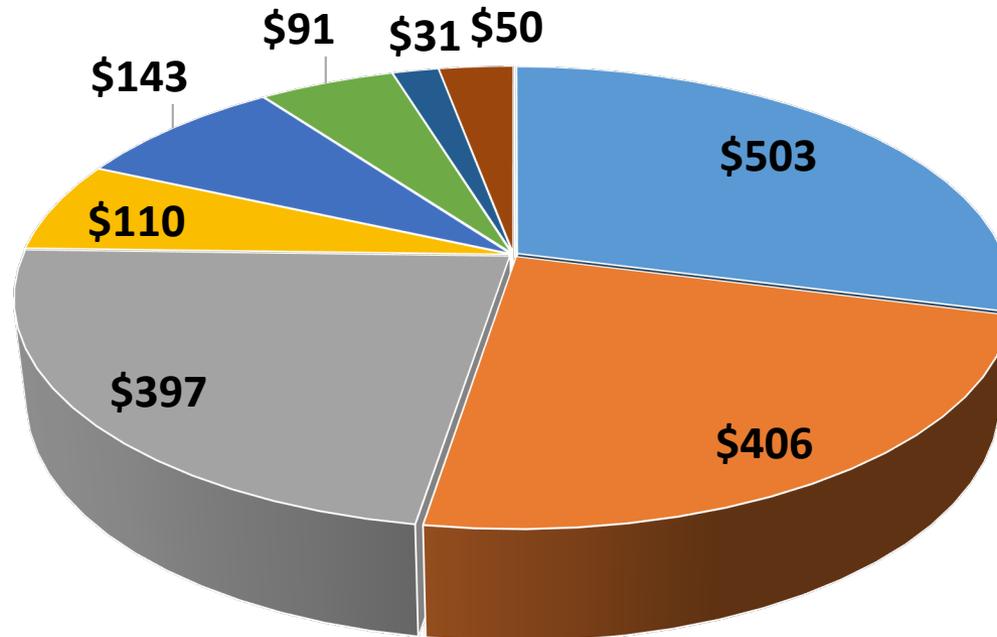


WORKLOAD CENTERS



WORKLOAD - \$1.7B ANNUALLY

FY2019 Baltimore District Expenditures (\$Millions)

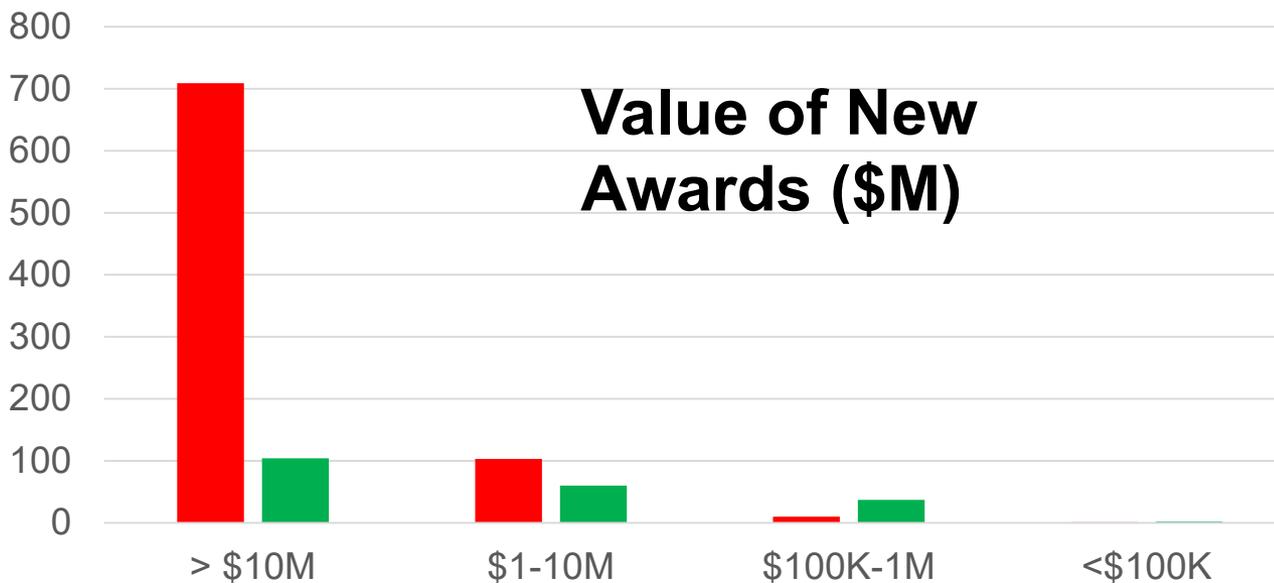
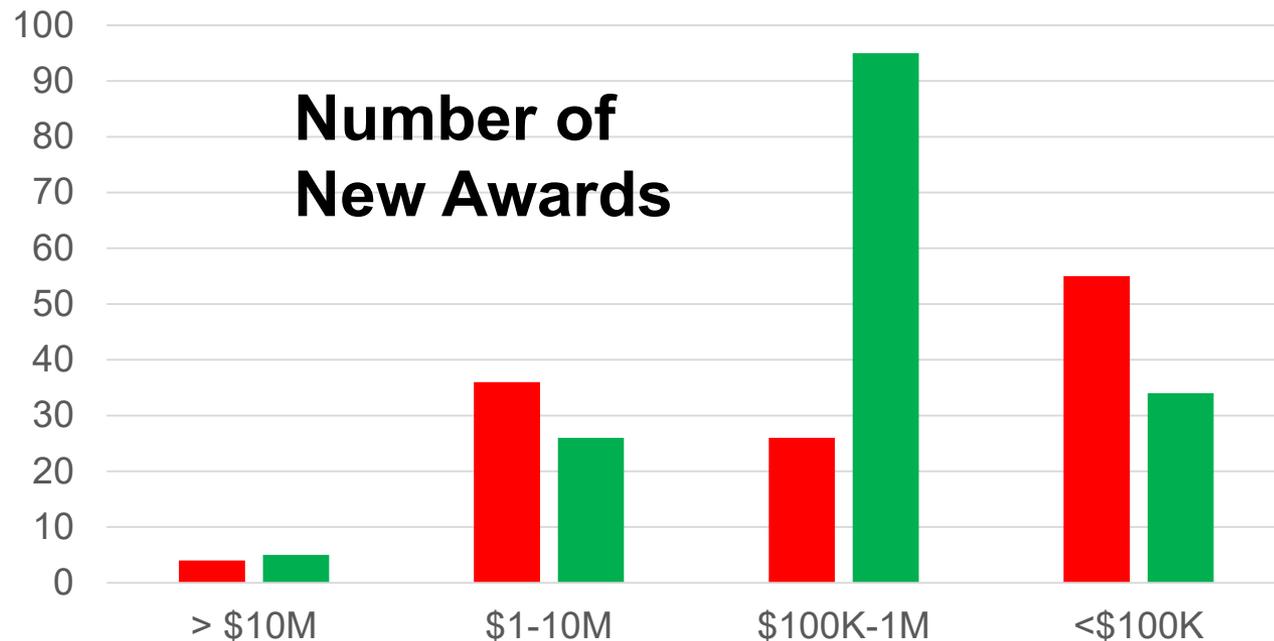


- Military Construction (MILCON)
- Military Programs (Leases)
- Civil Works
- IIS & Support to Districts
- Military Programs (non-leases)
- Other Secure Programs
- Environmental
- Washington Aqueduct

Fiscal Year 2019

181 New Contract Actions

\$1.03 Billion



Specific Contracts

Task Orders



US Army Corps of Engineers



OUR MISSIONS



Civil Works



Military Support



Interagency and
International
Services (IIS)



Real Property
Services Field
Office (RSFO)



Emergency
Management



Environmental



Washington
Aqueduct



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MILITARY SUPPORT / CONSTRUCTION MISSION

We support the warfighter ...

...through a very large military program in support of 14 military installations in:

- ✓ Maryland
 - ✓ Pennsylvania
 - ✓ West Virginia
 - ✓ District of Columbia
 - ✓ Northern Virginia
- Projects include design and construction of:
 - ✓ Administrative spaces
 - ✓ Medical and laboratory facilities
 - ✓ Training facilities
 - ✓ Childcare centers
 - ✓ Barracks
 - \$1.15 billion in expenditures annually
 - Major contributions to the success of BRAC '05 (\$4.2 billion)



U.S. Army Intelligence & Security Command
Fort Belvoir, VA



Defense Logistics Agency
Fort Belvoir, VA



Mapes Vehicle Access Control Point
Fort Meade, MD



Defense Distribution Center
New Cumberland, PA



Hale Hall Renovation
Fort Meade, MD



U.S. Army Medical Institute for Chemical Defense
Aberdeen Proving Ground, MD



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INTERAGENCY & INTERNATIONAL SERVICES (IIS)

We support our government family...

...also referred to as “Support for Others,” involves providing reimbursable technical assistance to other Federal agencies, state, and local governments, private U.S. firms, international organizations, and foreign governments

• Customers:

- Library of Congress
- National Park Service
- Office of the Director of National Intelligence
- U.S. Secret Service
- National Institute of Standards and Technology
- Environmental Protection Agency



National Institute of
Standards &
Technology



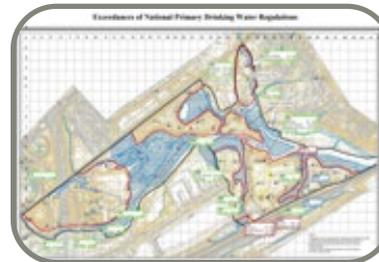
Dyke Marsh
Restoration



Bureau of
Engraving and
Printing



U.S. Customs &
Border Protection's
Advance Training
Center



68th Street Cleanup
Baltimore, MD
(EPA)



James J. Maloney
Canine Training Facility

J.J. Rowley
Training Center



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REAL PROPERTY SERVICES FIELD OFFICE (RSFO)

We support the Intelligence Community...

- National Program Manager for NSA/Intelligence Community
 - Provide real estate, design and construction services
- Baltimore District is a key player in emerging priorities, such as cybersecurity
- Customers in addition to NSA include both DOD and non-DOD agencies with secure needs
- Provides full service support to the Office of the Director of National Intelligence
- Total program FY16-20: \$5.5 billion



Intelligence
Community
Center - Bethesda



Integrated Cyber
Center



Mountainview
Buckley Air Force
Base



Utah Data Center



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ENVIRONMENTAL SERVICES

We support our environment by...

- Cleaning up sites contaminated with hazardous, toxic or radioactive waste or ordnance through the Formerly Used Defense Sites program
- Cleaning up low-level radioactive waste from the nation's early atomic weapons program through the Formerly Utilized Sites Remedial Action Program
- Supporting the U.S. Environmental Protection Agency by cleaning up Superfund sites and working with its Brownfields and Urban Waters programs
- Supporting the Army with the Base Realignment and Closure Act program
- Ensuring that facilities comply with federal, state and local environmental laws



Spring Valley
Formerly Used
Defense Site



Massachusetts
Military Reservation
Cleanup



Ordnance Removal
Fort Wainwright,
Alaska



STURGIS
Decommissioning



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REAL ESTATE

We provide a wide range of realty services...

...on more than 300 civil and military projects and installations

- We are the Regional Center of Expertise for the Enhanced Use Leasing (EUL) Program:
 - ✓ Long-term leases for non-excess Army property
- We manage the Defense National Relocation Program (DNRP):
 - ✓ Available to eligible DDD civilians
 - ✓ DNRP provides services for up to approximately 1,000 relocating DDD employees annually
- We lease and support more than 300 Armed Forces recruiting stations and 180 housing units
- We provide real estate acquisition and relocation support to a wide range of customers through the Interagency and International Services program



Superfund Support



Energy EUL
Fort Irwin, CA



Recruiting Facilities



EUL Test Track,
Yuma, AZ



Army Family Housing



Defense National Relocation Program



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EMERGENCY RESPONSE

We respond to...

...natural and man-made disasters
in our region and across the
country

- We have standing teams of volunteers, trained and prepared to respond:
 - ✓ Debris Planning and Response Team
 - ✓ FEST-A (71st Detachment)
 - ✓ Base Development Team
 - ✓ Contingency Real Estate Support Team (CREST)
 - ✓ Environmental Support Team (EnvST)
- We manage the Flood Control and Coastal Emergencies Program (PL 84-99) within our Civil Works boundaries
- We support the national response plan as part of the Federal Emergency Management Agency's team



Hurricane Jonas
Post-Storm Survey



Technical Assistance after
Ellicott City Flooding



Deployable Tactical
Operations System



FEST-A Team
Deployment



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WASHINGTON AQUEDUCT

We operate a **public water utility**...

...serving the **District of Columbia**, **Arlington County**, the **City of Falls Church**, and portions of **Fairfax County, Va.**

- We produce an average of 180 million gallons per day.
- Our operations are regulated by EPA Region III.
- All costs borne by our three wholesale customers
- Our motto:

“Safe – Reliable – Cost Effective”



Residuals Management Project



Georgetown Reservoir



Dalecarlia Water Treatment Plant



Water Quality Testing

BALTIMORE DISTRICT IN THE COMMUNITY

We serve as members of the community by...

- Signing formal partnerships with universities to help promote engineering and math careers
- Annual events at our recreational areas to encourage conservation, education, and safety in and out of the water
- Hosting visits for students, government and international partners to projects such as Poplar Island to further the sharing of ideas and innovation
- Engaging in events at schools and universities throughout the year to promote careers in Science, Technology, Engineering & Math



Support to partners of the Chesapeake Bay



Morgan State University formal partnership



Raystown Lake Cleanup



"Every Kid in the Park"



Science, Technology, Engineering & Math initiatives



Water & Boating Safety Events



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ONGOING MAJOR PROJECTS



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BUREAU OF ENGRAVING AND PRINTING

- U.S. Army Corps of Engineers signed an interagency agreement with BEP in March 2019 to coordinate their production facility replacement/modernization
- Draft EIS is anticipated for completion and public review in fall 2020
- Awarding Primary Facility Design Task Order under new BEP AE IDIQ: Feb/Mar 2020
- Construction beginning in approximately 2022
- Construction completion: late 2025



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SM-1A NUCLEAR POWER PLANT

- Baltimore District's Regional Radiological Center of Expertise is partnering with Alaska District, U.S. Army Corps of Engineers and Fort Greely on the final decommissioning of the SM-1A deactivated nuclear power plant at Fort Greely in Alaska
- Decommissioning Planning and utility segregation planning are underway
- Anticipated contract award for utility segregation: FY21
- Anticipated contract award for decommissioning: FY22
- Anticipated completion timeframe: 2028



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DEACTIVATED SM-1 NUCLEAR REACTOR FACILITY DECOMMISSION AND DISMANTLING

- SM-1 provided partial power to Fort Belvoir (first reactor to power a commercial electric grid in U.S.); served as the prototype for the rest of the reactors designed by the Army
- USACE completed the Draft Environmental Assessment (EA) and Draft Finding of No Significant Impact (FNSI) for the proposed decommissioning and dismantling in Dec 2019
- Award expected 2020
- Crews expected to mobilize in 2021
- Overall project completion- 2025



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ECB2- FORT MEADE

- The ECB2 project, a Showcase Piece for East Campus, is considered a weapons system in defense of our Nation and will support the next generation of Signals Intelligence and Information Assurance in support of our Nation's warfighters
- Operations Facility of approximately 843,000 gross square feet for 3,100+ personnel, as well as an expanded parking structure and associated generator yard
- The \$637 million Design Build contract was awarded to Clark Construction in June 2016 and is scheduled to be complete in September 2020



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ECB3 - FORT MEADE

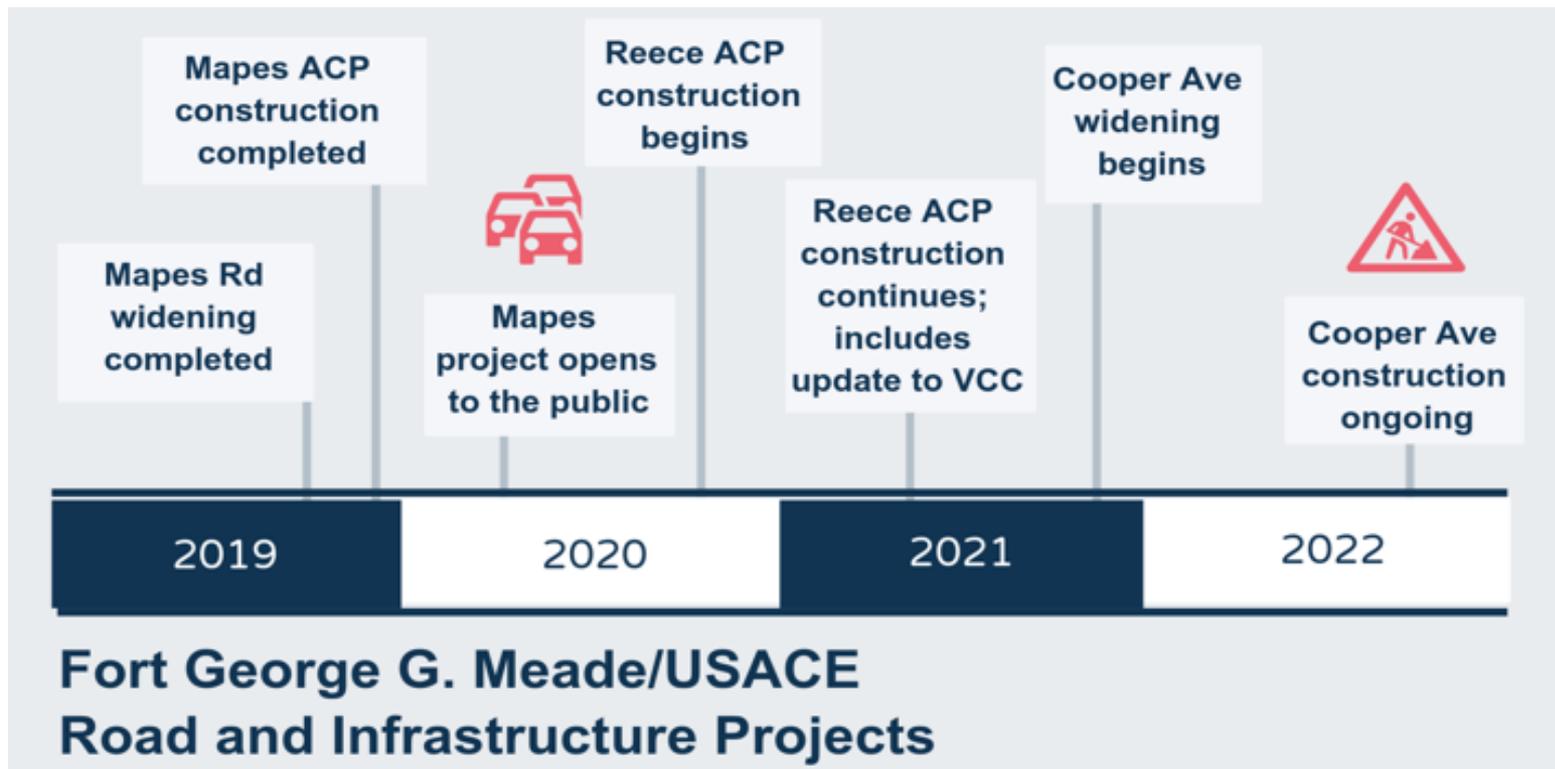
- ECB3 is the third building in the long-term development and recapitalization plan for the National Security Agency (NSA) at East Campus on Fort Meade
- Multi-story operation facility for more than 3,690 personnel and includes a structured parking facility, utility infrastructure and two pedestrian bridges
- Design/Build Contract awarded to Hensel Phelps in March 2019 for \$650 million
- Construction Completion estimated for April 30, 2023



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FORT MEADE ROAD VEHICLE ACCESS CONTROL POINTS



Fort George G. Meade/USACE Road and Infrastructure Projects

TRAINING AND MENTORING OUR EMPLOYEES



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GROWING TECHNICAL COMPETENCIES

- Regional Engineering & Construction (E&C) Functional Assessments
- Current Technical Competencies at the Baltimore District:
 - Architecture
 - BIM/CADD
 - Civil Engineering (structural/site development)
 - Engineering: Cost, Electrical, Mechanical, Structural
 - Regional Technical Specialists (RTS)/Regional Center of Expertise for Fire Protection and Anti-Terrorism/Force Protection
 - Regional Center of Expertise (RCX) for Installation Master Planning
 - Sustainable Design/LEED
 - Full Service Interior Design
 - Member of NAD RCX for Commissioning
- Growing Competencies in: Cybersecurity, Low Voltage

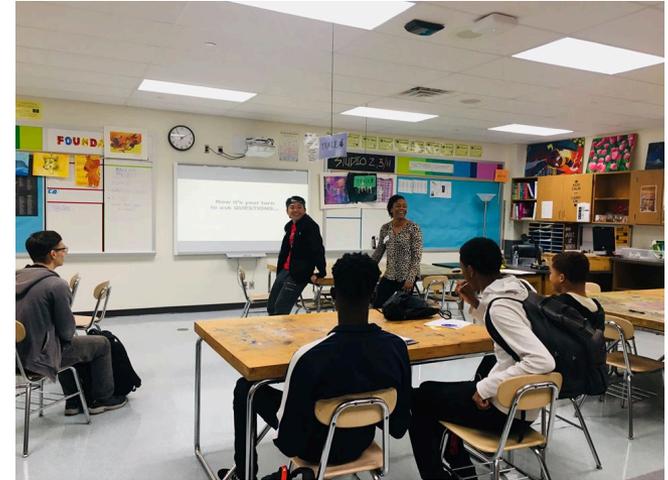


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TRAINING & MENTORING OPPORTUNITIES

- **PATHWAYS Programs:**
 - Summer Internships
 - Recent Graduates (DA Intern Program)
- **Other Training & Mentoring Opportunities:**
 - Career/Discipline-Specific
 - Mentoring Programs (Indirect)
 - Federal Leadership Development Programs
 - Deployments (OCONUS/CONUS)
 - Training for obtaining and/or maintaining professional certifications/licensure
 - Professional Societies & Conferences
- **Staff supporting STEM in the Community**



Baltimore District Resident Engineer Julia Waring speaks with students about her career with the Army Corps of Engineers during a College and Career Day at Meade High School, Oct. 16, 2019.



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KEY TAKEAWAYS OF TESTIMONIALS OF SUCCESS & CHALLENGES WITH TRAINING & MENTORING PROGRAMS

SUCCESSSES:

- Being proactive and engaged
- Positive attitude
- Pride in their work
- Investment
- Stepping outside comfort zone
- See a different view

CHALLENGES:

- Scheduling
- Maintaining work/life balance



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HIRING OPPORTUNITIES

Recent/Upcoming Job Postings:

- Summer Internships
- DA Internships
- Senior Electrical Engineer
- Mid-Level/Senior Mechanical Engineers
- Geotechnical Engineers
- Senior Design Managers
- Master Planners

Websites of Interest:

- USAJobs
- Indeed
- LinkedIn



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Today's presentation is available for download
<http://www.nab.usace.army.mil/BusinessWithUs.aspx>



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