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U.S. ARMY ENGINEERING AND SUPPORT CENTER, HUNTSVILLE



The Bulletin



Welcome Home!

Story on page 4

The U.S. Army Engineering and Support Center, Huntsville, engineers adaptive, specialized solutions across a broad spectrum of global enterprise covering five main lines of effort: Energy, Operational Technology, Environmental, Medical, and Base Operations and Facilities



Commander's Thoughts.....	3
Ribbon cut on new Huntsville Center.....	4
Program review ensures ERCIP moving forward.....	5
Team wins Army LSS recognition.....	6
Safety Office recognized as USACE celebrates excellence during 2023 National Awards Ceremony.....	7
Program furnishes Army War College academic facility.....	8
Meet Arthur Martin III.....	9
Lordemann steps in as new EMCX director	10
Fiscal Year 2023 Year in Review.....	12

OFFICIAL PUBLICATION OF THE
U.S. ARMY CORPS
OF ENGINEERS,
U.S. ARMY ENGINEERING
AND SUPPORT CENTER,
HUNTSVILLE



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Commander's Thoughts

“Ground was broken on the new facility at RG 300 on Nov. 5, 2021, and here we are a little over two years later moving into our new facility.”



Col. Sebastien Joly

Team,
It was great to see the Huntsville Center team show up in full force as employees, former employees, friends and family attended our ribbon cutting ceremony at our new home at Redstone Gateway.

The Jan. 9 ceremony officially opened the doors of Huntsville Center on Redstone Arsenal. Ground was broken on the new facility at RG-300 on Nov. 5, 2021, and here we are a little over two years later moving into our new facility.

We are all so fortunate we are able to move into a world class facility, bringing people together to create the synergy we had pre-pandemic.

We are also fortunate to be located on Redstone Arsenal, a one-of-a-kind Army installation which is home to diverse organizations, mission sets, and testing sites making it a Federal Center of Excellence.

Because our new facility is very accommodating and its location convenient, we are seeing U.S. Army Corps of Engineers organizations utilizing it too, such as the USACE Deputy Commander's Conference happening in March and ERDC's Off Site this summer.

However, as anyone with any knowledge and understanding of the construction process knows, there are always going to be hiccups before full occupation of a new facility comes to full completion.

One of our biggest issues over the last few weeks has been IT.

However, Mike Chopard and his team have done an excellent job getting our IT transferred and up and running. We currently have network connectivity up with access to all local servers. All hard walled offices have connectivity and have been tested and the ACE-IT team is currently connecting and testing cubicles on every floor in the building, focusing on the 3rd floor to ensure the first wave of employees move in Jan. 29 have the connection they need.

I also want to provide an update on the facility security. Security guards will post at the security desk from 7 a.m.-5 p.m., Monday - Friday, to handle any foot traffic coming into the building.

If you have visitors coming, you should be aware of the time the guards will be available and schedule those meetings appropriately. Our new security authorization system is up and running and the Security Office is enrolling people now. Anyone who hasn't already enrolled can enroll on your first day in the building.

The CAC pin reset system is also available now, so if you lock yourself out, you can contact the Security Office, and they can assist you with resetting your pin. However, if you need CAC service, any issues regarding anything but the PIN, you will need to go to Redstone One Stop for the time being.

For so many of us, a new year also means a new routine and fitness is

often at the forefront of that routine. I urge you to take advantage of the fitness center and the relaunching of the Wellness Committee. I'm sure Beth Norris will fill us in on any plans for the group.

Ronnell Booker was selected as Contracting Director, replacing Colleen O'Keefe who retired. Ronnell is an experienced acquisition professional recognized as an authority on acquisition and contract award, contract administration and procurement policy.

Ronnell is a prior Army officer, has been an Army civilian since 2005, and has been with the U.S. Army Corps of Engineers since 2012. He comes to us from Headquarters, USACE, where he was the Chief, Strategic Operations Division and later the Executive Director of Contracting. Ronnell, we're glad to have you aboard.

The third Monday in January was the Dr. Martin Luther King, Jr. Day of Service. January 15 marked the 30th anniversary of this National Day of Service. This year also holds particular significance as it marks the 60th anniversary of Dr. Martin Luther King Jr., being awarded the Nobel Peace Prize. At the age of 35, Dr. King became the youngest man to receive the Nobel Peace Prize for his commitment to nonviolent methods during the Civil Rights Movement.

Thank you all for what you do and Essays!



Photo by Chris Putman

Col. Sebastien Joly, Huntsville Center commander, is joined by the Center's most tenured employee, Jennifer Cooke, and the Center's newest employee, Chris Boyett, who helped cut the ribbon signifying the opening of Huntsville Center.

Ribbon cut on new Huntsville Center

By William Farrow

Huntsville Center Public Affairs

Hundreds of employees, former employees, friends, family and distinguished visitors filled warehouse at the U.S. Army Engineering and Support Center's new facility at Redstone Gateway for a ceremony officially opening the doors of Huntsville Center on Redstone Arsenal.

In his opening remarks, Col. Sebastien Joly said he was "probably the happiest and proudest commander in the United State Army."

"Welcome to the new home of the U.S. Army Engineering and Support Center in Huntsville on Redstone Arsenal," Joly said before an eruption of whoops, cheers and applause from the crowd.

Joly went on to trace Huntsville Center's origins as Huntsville Division in 1967, and went through the locations the Center has called home over the last 56 years.

Huntsville Division's first offices were briefly in a converted textile mill on Meridian Street in Huntsville. The Division then located to a facility on Wynn Drive in the

new Cummins Research Park before settling into a new facility at University Place in 1995. When that facility could no longer support the Center, it moved temporarily to a facility at Thornton Research park in 2018.

Ground was broken on the new facility at RG-300 on Nov. 5, 2021.

"And here we are a, little over two years (later) cutting the ribbon on the (U.S. Army) Corps of Engineers newest and most capable facility to date," Joly said.

The ceremony ended with the official ribbon cutting as Joly was assisted by the Center's most tenured employee, Jennifer Cooke, and the Center's newest employee, Chris Boyett. Cooke has been a Huntsville Center employee since 1987. Boyett came on board Jan.1.

The new 205,000 square foot facility is located on Redstone Gateway's Secured Gateway area behind the Arsenal's Main Gate 9 on Rideout Road.

It is a purpose built, three story building allowing the Center to consolidate its off-post leases, consolidate the Center's workforce, and provide a more secure environment for the Center's staff.



Program review ensures ERCIP moving forward

By William Farrow
Huntsville Center Public Affairs

More than 40 people gathered at Redstone Arsenal, Alabama, Dec. 5-6 with another 40 attending virtually for a programmatic review of the U.S. Army Corps of Engineers' Energy Resilience and Conservation Investment Program (ERCIP).

A subsection of the Department of Defense-wide Military Construction (MILCON) program, ERCIP specifically funds projects saving energy and water, reducing energy costs, and improving energy resilience and security for federal and military stakeholders.

The ERCIP program review is key for the project execution after Headquarters USACE assigned Louisville District the mission in 2022 of providing program management and construction contract management and administration of ERCIP projects, said Jeremy Cobb, Great Lakes and Ohio River Division ERCIP Program Manager.

The Great Lakes and Ohio River Division, Louisville District and U.S. Army Engineering and Support Center, Huntsville were selected to deliver the ERCIP program for their strong collaborative approach.

Geographic districts continue having responsibility for participating in planning and design while performing design reviews with Louisville District. Huntsville Center's ERCIP Validation Program is the Army's ERCIP requirement development experts providing planning and technical support to the Army by validating all ERCIP projects before they are submitted to Office of the Secretary of Defense to compete for funding.

As facilitator of the event, Cobb said having key stakeholders in the meeting allows for good discussion on



Photo by William Farrow

Arthur Martin III, Huntsville Center Programs Director, welcomes attendees to the Energy Resilience and Conservation Investment Program review at Redstone Arsenal, Dec. 5.

their concerns and issues with the program.

"The meeting focused on the internal process of executing the program since we have developed this partnership with Louisville District and Huntsville Center," Cobb said.

"It was good to get contracting, legal, planning, project management, engineering and construction all in the same room to find ways to improve execution and find efficiencies in our processes."

Cobb said ERCIP has a lot of technical challenges and bringing in subject matter experts to provide information about the challenges while developing and planning for microgrids, commissioning, and black start exercises provides the teams working on the program a better picture of the issues and challenges.

As host for the meeting, Arthur Martin III, Huntsville Center Programs Director welcomed the attendees.

Martin said the challenges from Huntsville Center's perspective have centered around getting a robust list of projects submitted, vetted, and approved and then securing the funding streams to execute those projects.

"When considering the challenges that we've had with increased supply chain material costs, a lot of contractors submitted proposals that have exceeded project amounts bust, so getting any sort of programming actions to get to the right project amount has been a challenge," Martin said.

"Making sure that you have viable

**See *ERCIP*
Page 5**

Team wins Army LSS recognition

By William Farrow
Huntsville Center Public Affairs

A Huntsville Center project delivery team was recognized with an Army Lean Six Sigma Award for the creation and implementation of the Welcome2It dashboard.

Huntsville Center's Human Capital Office and Resource Management's Business Management Division team built the first ever on-line "Welcome2IT" dashboard to simplify in-processing procedures by executing 100 percent digital onboarding, meeting all administrative and fiduciary requirements, and ensuring employees are set up for success from day one as a Huntsville Center employee.

The Welcome2it dashboard transforms the Huntsville Center Personnel On-Boarding experience from an analog and collage of emails with attached documents, websites, and limited points of contact into an Online Digital Portal with a "Status Dashboard" and with visibility across departments.

Team members Carlos Reis, Charmika Merriweather, Kevin Breece, Brian Tachias and Cindy Clover were presented the award during the Center's Organization Day in October. The project was also winner of U.S. Army Corps of Engineers Innovation Award in 2022.



Photo by Chris Putman

From left, Charmika Merriweather, Col. Sebastien Joly, Carlos Reis, Kevin Breece, Laura Beth Quick and Brian Tachias show off the Army Lean Six Sigma recognition for the Welcome2it dashboard for processing new employees into the Center.

According to Reis, prior to the Welcome2it Dashboard, Huntsville Center use a paper check-list for processing new Huntsville Center employees. "New hires would go around hunting people to get signatures and complete the list, Reis said.

However, Reis said the greatest shortfall was new employees not receiving orientation to health insurance for weeks after on-boarding the Center.

"New hires health benefit information is now provided on the first day of their processing and the new hire can be in-processed in nine days," Reis said.

The dashboard the team built allows

supervisors to provide new personnel with a digital checklist on day one and new personnel to know the events, order of events and actions required to process.

Reis said the site has different phases, with completion of each phase sending email notifications notifying employee of action required for the next phase.

Welcome2It innovation supports senior Army and USACE Leadership's mantra of caring for its number one asset – people – and making a positive first impression for its new employees on day one sets the tone.

ERCIP **From Page 3**

projects with a proposal that is within the budgetary ranges of project and then if it's not secured, additional funding is needed to make the project go that has been the most challenging part and of course the contracting capacity because there's been a run on a contract capacity and making sure that all the Districts, including Huntsville Center, have sufficient AE contract capacity to get out the requirements coming in."

Martin agreed with Cobb's assessment of the best value of the program review is bringing all the players together while providing an opportunity for LRD, Louisville

District and Huntsville Center, as well as other associated organizations, to collaborate and focus on the process works.

"Understanding the roles and responsibilities of all of the various players to recognize that the other players understand that you have a seat on this team bus and that your voice is going to be heard is vital to the program's success," Martin said.

Martin said now that Louisville District is the point for ERCIP construction, the system is working better than it did in the past when various Districts competed for funding.

"Embracing the 'One Door to the Corps' philosophy creates the structure for this program to function effectively."



Safety Office recognized as USACE celebrates excellence during 2023 National Awards Ceremony

Courtesy USACE Public Affairs

Huntsville Center's safety program was recognized once again with the U.S. Army Corps of Engineers Safety Awards of Excellence – Division Category presented during an annual national awards ceremony, Nov. 29, at USACE Headquarters.

In 2022, Huntsville Center became the first USACE organization to earn the Army's prestigious Safety and Occupational Health Star in recognition for the development, implementation and continuous improvement in the prevention and control of occupational safety and health hazards.

More than 20 awards were presented during the ceremony.

"I just want to say thank you for everything you do each and every day," said Lt. Gen. Scott A. Spellmon, 55th Chief of Engineers and commanding general of the U.S. Army Corps of Engineers. "There is no more important asset in the Army Corps of Engineers than our people."

Spellmon went on to discuss USACE accomplishments in the past year and recounted a recent White House meeting he attended, where the President thanked USACE for the great work and unique value the Corps provides to the nation. "That's thanks to all the incredible work (our USACE teammates) do out in the field every day," Spellmon said.

Other awards presented were Construction Management Excellence Award, Nolan B. Eusebio, Jacksonville District; Cost Engineer of the Year, Allan D. Annaert, Mobile District; USACE Project Delivery Team of the Year – Excellence, Isabella Dam Safety Modification Project, Sacramento District; USACE Program Manager of the Year, Joseph Zaraszczak, Middle East District; Chief of Engineers



Courtesy photo

Lt. Gen. Scott A. Spellmon, 55th Chief of Engineers and commanding general of the U.S. Army Corps of Engineers, welcomes awardees to the 2023 USACE National Awards Ceremony, in Washington, D.C.

Operations and Maintenance Castle Award, Capt. Brian Ragsdale, St. Louis District; Chief of Engineers Natural Resources Management Employee of the Year, Deryck Rodgers, Rock Island District; Chief of Engineers Don Lawyer Award Regulator of the Year, Jessica Cordwell, Jacksonville District; Chief of Engineers Hiram M. Chittenden Award for Interpretive Excellence, Tammy Frauenshuh, St. Paul District; Planning Achievement Award – Excellence, South Atlantic Coastal Study; USACE Installation Support Professional of the Year, Daniel Killip, Sacramento District; USACE Installation Stakeholder Professional of the Year, Laura Peters, Omaha District; Advancing Environmental Justice, Diane Perkins, Charleston District; Public Affairs Officer of the Year, Eileen Williamson, Northwestern Division; Chief of Engineers Safety Award of Excellence – District Category, Albuquerque District, South Pacific Division; USACE Critical Incident Stress Management Peer Supporter of the Year Recipient(s): Philip Tilly, Great Lakes and Ohio River Division

(Eastern Region) and Lyndy Black, Fort Worth District (Western Region); Excellence in Contracting Awards Program – Administrative Contracting Officer of the Year, Richard Mock, Savannah District, Excellence in Contracting Awards Program – Procuring Contracting Officer of the Year Award, Patricia Morrow, Baltimore District; Cyber Security Professional of the Year, Hannah Theisen, Engineer Research and Development Center; Outstanding Logistician of the Year, Andrew Lee, Alaska District; USACE Innovator of the Year, Gregory Curry, Little Rock District and Amy Rainer, Engineer Research and Development Center; USACE Researcher of the Year, Martin Page, Engineer Research and Development Center; Lester Edelman Award for Legal Manager of the Year, Scott Murphy, USACE Headquarters; George Wolf Koonce Award for Attorney of the Year, Cara Mroczek, Middle East District; LTG John W. Morris Civilian of the Year, Erik Blechinger, Savannah District; and Distinguished Civilian Award Recipient(s): Sue Englehart and Lloyd Caldwell.



Photo by Chris Putman

Huntsville Center's Furnishings Program provided a full-service project-delivery process to furnish the U.S. Army War College's new Root Hall at Carlisle Barracks, Pennsylvania. Root Hall is the USAWC's educational support space and Huntsville Center's \$5 million project provided furniture for the facility.

Program furnishes Army War College academic facility

By William Farrow
Huntsville Center Public Affairs

A Huntsville Center project filled the newly constructed state-of-the-art educational support space for the U.S. Army War College (USAWC) at Carlisle Barracks, Pennsylvania, with the furnishing required to provide premier strategic-level Professional Military Education for the Army.

The USAWC officially opened its \$92 million state-of-the-art academic Root Hall in October.

Huntsville Center's Furnishings Program provided a full-service project-delivery process that included technical and acquisition support while adhering to scope, schedule and budget.

Huntsville Furnishings Program procures administrative, barracks, lodging and educational furnishings for

various federal agencies worldwide. The program is a full-service organization providing project management, interior design, procurement, installation and quality assurance for all federal agencies' furniture requirements.

Jennifer McDowell, Senior Project Manager for the Huntsville Center furniture program was the project manager for the Root Hall project. McDowell said the innovative academic facility meets all Army Standards and General Instruction Building Standard Design Criteria.

"The ambiance found throughout the building is both calming yet stimulating to the mind striking the perfect balance for those leaders attending the Army War College," McDowell said.

The \$5 million project provided furnishings for the facility that included four large lecture halls (which can be

quickly transformed into a 600-person auditorium), seminar rooms with various configurations, conference rooms, private instructor offices, counseling rooms, library/resource center/computer labs, administrative offices, reception areas, classrooms, student, instructor break areas spaces as well as various break out and collaboration spaces found throughout the building.

Maj. Gen. David Hill, commandant of the US Army War College, said the new state-of-the-art academic facility was designed to enhance learning for generations to come.

"While our spaces and technologies change, our mission remains unchanged," Hill said.

The USAWC mission is developing

See Furniture
Page 9



Photo by William Farrow

Safety first

Charles Carson, Huntsville Center emergency manager, Emily White, Huntsville Center Safety Office industrial hygienist, and Alicia Hodge (seated) Huntsville Center Safety Office safety and occupational health specialist, demonstrate the proper use of the MOBI Evacuation Stair Chair during Huntsville Center Safety Office's Occupant Emergency Plan training Jan. 24. The training provided more than 30 floor monitors with knowledge to assist with emergency situations such as fire or tornado warnings, direct employees to proper areas or to evacuate the facility, and effectively communicate statuses via two-way radio transceivers during emergencies.

Furniture From Page 8

leaders on strategy, operational art and joint warfighting; teaching force management, the elements of national power and strategic readiness; fostering innovation, design thinking and national security affairs; and strengthening our profession through deep introspection and discussion on ethics, leadership and organizational culture.”

“Root Hall allows us to carry Root’s vision boldly into the future while honoring the proud history and traditions upon which this great college was founded,” Hill said.

The U.S. Army War College was established in 1901 by Secretary of War Elihu Root. The first academic building was constructed in early

1900s on the site of Fort McNair. President Roosevelt set the cornerstone. After closing for several World War II years, and an interim year at Fort Leavenworth, Kansas, Army leadership chose to position the U.S. Army War College in 1951 at Carlisle Barracks – itself a historic installation dating to 1757 in the Commonwealth of Pennsylvania. The previous Root Hall was built in the 1960s.

The furniture detail was coordinated with between Huntsville Center and Baltimore District and contractors to support USACE in an overall complete project facility turn over.

McDowell said watching the facility transform from an outer shell into a “magnificent” higher learning facility is one of the highlights of her career.

“Our team had the honor of bringing form and function together in the furnishings of the new Root Hall that meet the innovative intent of each space while also blending and arranging the color, texture and shape within each space like a piece of art,” she said.

McDowell said as a large construction project, multiple contractors’ schedules and activities needed meticulous coordination.

“Challenges were faced, and obstacles encountered. However, we kept our eyes focused on the end goal and finished successfully,” McDowell said.

“We were able to coordinate and integrate all schedules to meet the academic start of the new school year.”

Meet Arthur Martin III

A Q&A with Huntsville Center's new programs director

Arthur Martin, III is the programs and business director for Huntsville Center. Prior to his selection as programs director, Martin was the director of Huntsville Center's Installation Support and Programs Management Directorate.

Martin began his career with the U.S. Army Corps of Engineers in 1986 as a student-intern at the Mobile District in Mobile, Alabama. He has served in various capacities ranging from design engineer, project manager, program manager, branch, and division chief. Martin holds a Bachelor of Science degree in Mechanical Engineering from the University of South Alabama, Master of Business Administration from the University of North Alabama, and Master of Science in Project Management from New England College.

He also completed the Civilian Education System Intermediate and Advanced Courses as well as the Leadership Seminar through the Army Management Staff College.

Martin is a member of the Project Management Institute (PMI) and holds a Project Management Professional (PMP) credential. Martin was awarded a certificate of completion for the Senior Executive Fellows Program, January 2017, John F. Kennedy School of Government at Harvard University, Executive Education.

What are some of the most exciting projects on the horizon for us right now?

I am really intrigued by the work in the Secure Facilities arena. There is a large demand signal coming from the intelligence community and I am excited in seeing how our PDT, including cybersecurity, can respond to the evolving needs across the Department of Defense and other stakeholders.

What are the biggest challenges you think we're facing now and what is your plan to address them?

The skill set gaps that exist within the entire USACE workforce. We have many senior professionals who are departing for various reasons. I am concerned that it takes so long to "grow" technical expertise via the normal cycle of recruitment, training, and experience that we are in danger of being well behind in building our bench. Couple that with the increased competition with external organizations and the private sector for that same worker pool and someone will come up short. I do not want it to be Huntsville Center and we cannot continue to ask the current mid-career staff to give more and more as they train the new employees and take on the work of the departing senior employees. Addressing

this requires that we think outside the box. We can only offer so much money in terms of recruitment and retention incentives.

We can only offer so much training and development to our staffs. We must get back to

creating an environment where young and seasoned professionals

"buy into supporting a mission that is bigger than any individual" – the business of supporting our warfighters. If we can do that, we may be able to

both attract the next generation of technical and management professionals as well as encourage our senior employees to link up with a mentee that reminds them of a younger version of themselves, someone they want to train and watch professionally develop.

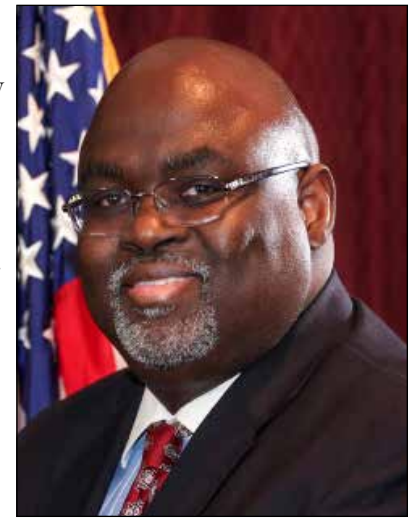
What do you think makes Huntsville Center stand out the most?

Our relentless pursuit of a way to solve problems that others view as too hard. I have worked in a couple other districts, and I can truthfully say that Huntsville Center tries to help the Army and the nation in any way possible. It is easy to say the people are our greatest asset, but I take that a step further by saying it is the dedication and can-do spirit of our people that sets Huntsville Center apart. Many care, but few show it like the professionals of Huntsville Center.

What do you think are the key-ways Huntsville Center can improve as an organization?

1. Be accountable to each other. By this I mean leaders expect their staffs to be accountable for the commitments that we make to our stakeholders, but it also works that the staff should expect our leaders to be accountable for the things we promised them. Support. Trust. Empowerment. Compassion...and the list goes on. This does not mean that leaders cannot do and be the leaders that their position requires, but there is a way to be that leader.

2. Deliver on promises with the perspective of those we serve being paramount. For those in ISPM, some of you



Martin

See MARTIN
Page 11



Lordemann steps in as new director of Environmental and Munitions Center of Expertise

By Kristen Bergeson
Special to the Bulletin

An experienced chemist with more than 12 years of service in the U.S. Army Corps of Engineers (USACE) has taken the helm of Huntsville Center's Environmental and Munitions Mandatory Center of Expertise (EMCX).

Michelle Lordemann assumed the role of director Nov. 6. She replaces John Nebelsick, who retired in December after more than 30 years of environmental experience with USACE.

Lordemann, who was serving as the supervisor of the Environmental Sciences Division of the EMCX at the time of her promotion, joined the EMCX in 2021 following seven years as a project chemist and four years as a program manager for Omaha District.

"From the time I hired Michelle, she had the characteristics to make a great leader for USACE and Huntsville Center," Nebelsick said.

"She has great listening skills and is able to gather all the facts before making an honest and transparent assessment. She is able to adapt to

the situation at hand and ensure buy-in from the right people. Finally, she has the critical thinking skills needed when it comes to future planning and possibilities for the EMCX."

Lordemann, whose vast experience includes working with a range of customers including the Environmental Protection Agency, Air Force, Formerly Used Defense Sites, Air National Guard, Army and more, laid out her initial priorities for the EMCX.

"I'm excited to be a part of the valuable work that the EMCX has done for so many years," she said. "In order to remain a premier organization and continue improving on the services we provide, we have to bring the right people to the team and make sure they're taken care of with a good work-life balance and with the resources needed to do the job well."

The EMCX serves USACE and others by providing high quality engineering and scientific support to environmental-remediation, munitions-response and compliance programs around the world.

"Our primary mission is quality assurance, making sure the



Lordemann

environmental and munitions teams in the (USACE) districts understand what they need to do to meet the policies and regulations that govern our work, so along with recruiting top talent, another top priority is improving knowledge sharing within the environmental community of practice," Lordemann said.

"The folks we have now are really invested in the projects and success of the districts. They know that ultimately their work is taking care of the public and ensuring a clean environment for us and future generations."

MARTIN From Page 10

have heard me say that delivering a project to a stakeholder on a date that makes Huntsville Center look good is not the true measure of our success. We must deliver a high-quality project, on budget by the date that considers the needs/requirements of the stakeholder. If we miss their priorities, we are not adding the value that stakeholders expect from Huntsville Center and USACE.

3. Get back to our fundamentals. We must use our automated tools as required in a manner that helps with items 1 and 2 above. We need to practice solid schedule management. Develop solid estimates and control costs. We must stay humble and never believe that we are as good as our biggest fan claims, nor as bad as our biggest critic claims.

4. Turn the intensity down a level. We must do our best every day to make a difference, but mistakes happen when

people are really trying. We must learn from those mistakes and endeavor to not repeat them. Leaders must make it okay for staff to tell us not so good news without fear. We must restore the faith in our workforce that management cares without qualification.

5. Have fun sometimes. Laugh with each other. Laugh at yourself. Laugh.

What can each employee do to help with the challenges the Center is facing right now?

Give your leadership a chance. We have experienced a lot of turnovers in key positions, and we face numerous obstacles that could easily make someone lose trust. No one comes to work intending to do a bad thing or a bad job. Have grace and support each other at every level. We can all achieve immeasurable success if we believe in the mission and believe in each other. Some things are out of our control, but for the things that we can control, always do the best you can and believe that everyone else is too.

Employee recognition



Col. Sebastien Joly, Huntsville Center commander, presents Kirk Kuebbing, Operation and Maintenance Engineering Enhancement program project management specialist, with the January Employee of the Month certificate. Kuebbing led the of the OMEE P2 Data Quality clean-up and created a new P2 template for new projects. He is also working to add Defense Heath Agency (DHA) to the Primavera P6 Customer Dropdown and MACOM/MAJCOM Dropdown. His efforts led to OMEE being 100% accurate on military funds type codes.



Col. Sebastien Joly, Huntsville Center commander, presents Jennifer Prince, Fuels Program project management specialist, with the December Employee of the Month Jan. 10 at the Center. In September, the Defense Manpower Data Center (DMDC) transitioned Trusted Associate Sponsorship System (TASS) to the Mission Partner Identity, Credential, and Access Management (MP ICAM) system. Prince figured out how to renew KTR CACs in this new MP-ICAM system and developed a training material distributed across the Army.

Photos by Steve Lamas



BULLETIN FOCUS: Fiscal 2023 Year in Review

Huntsville Center closed out the fiscal 2023 ensuring America's warfighters and other federal agencies get the support they need to continue their missions.

The Center's the Installation Support and Programs Management Directorate accounted for 88% of the total obligations for the entire Center.

Of the six divisions within ISPM, the largest amount obligated was executed by the Operational Technology Division with \$574 million via 650 contract actions, although ISPM's Medical Division was a close second with 626 contract actions valued at \$507.5 million. Obligations by executing directorates for Fiscal 2023 were \$2.1

billion for ISPM; \$197 million for the Ordnance and Explosives Directorate; \$56.6 million for the Engineering Directorate and \$28 million for the Environmental and Munitions Center of Expertise.

The following is a summary look at Directorate's accomplishments in fiscal 2023.

Engineering Directorate

Civil-Structures Division

Architectural Branch: Huntsville Center's Center of Standardization (COS) personnel visited 10 child youth service (CYS) facilities across Italy, Germany, Netherlands, and Belgium, meetings with U.S. Army Corps of Engineers Europe District representatives to discuss European Union Host Nation laws, codes, and generally accepted construction standards impacting Outside the Continental U.S. (OCONUS) military construction (MILCON) efforts.

Environmental Protection and Utilities Branch (EDC-E): Huntsville Center is the Design Center for Formerly Used Defense Sites (FUDS) at Culebra, Puerto Rico, and Waikoloa Maneuver Area, Hawaii for which both had major successes in moving Munitions Response Sites to the Record of Decision. Both FUDS properties have been in the top five on the Headquarters USACE list since the list has existed. Two separate task orders for very different efforts on the same plot of land on Kwajalein Island. One is to remove debris that is likely contaminated with munitions in addition to other solid waste and potentially hazardous waste constituents. The second task order is for munitions clearance in advance of multiple construction projects. Huntsville Center contracted both task orders, which are each very expensive considering the location. EDC-E recognized the potential conflicts between the projects, determine appropriate sequencing between projects, and insert requirements into contract documents to minimize post award issues for both contracts.

Geosciences Branch (EDC-G): In September, Huntsville Center geophysicists supported Nashville District's Engineering and Construction Division conducting geophysical surveys at Dale Hollow Dam in Clay County, Tennessee. Geophysicists collected geophysical data

providing insight into existing subsurface conditions and potential seepage paths. The secondary objective was to perform a pilot study using ground penetrating radar to assess its applicability at the site for future top of bedrock mapping. In support of the Range Training Lands Program (RTLTP), Range OE Support Group within the Ordnance and Explosives Directorate along with EPUB and Geo



Dale Hollow Dam, Tennessee.

Sciences Branches of Engineering Directorate recently enhanced Huntsville Center's small unmanned aerial system (sUAS) service capabilities. The True View 515, coupled with LP360 processing software, has many potential applications to the RTLTP including producing highly

accurate Digital Elevation Models (DEM) for topographic mapping. The advanced classification and extraction algorithms can also be used for estimating vegetation density on operational ranges closely estimate the level of effort required for vegetation removal to maintain line of sight to targets. A USACE site visit was performed in March by Huntsville Center personnel in coordination with contractor personnel for the ongoing Remedial Investigation being conducted at the Naval Air Station Banana River, Florida, Off-Base Disposal Area FUDS. The site visit consisted of the Huntsville Center project geophysicist observing and overseeing that the remediation contractor followed their approved Quality Assurance Project Plan, and field work was being conducted accordingly. This phase of field work

**See ED
Page 14**

BULLETIN FOCUS: Fiscal 2023 Year in Review

ED From Page 13

involved the use of Ground Penetrating Radar (GPR) being used to identify burial pits/trenches that could potentially contain Department of Defense waste. Following the identification of any potential burial pits/trenches, a follow up sampling phase using test pits will be conducted.

Site Development Branch (EDC-D): The Site Development Remote Sensing team was able to utilize drones to complete complex missions for Huntsville Center customers. The team utilized drones and various payloads to support a wide variety of customers. To support the department of public works at Yuma Proving Grounds (YPG), Arizona, the team used a fixed wing drone to capture aerial photographs used to update the real property inventory at YPG.

This equated to approximately 30,000 acres of imagery that was collected and provided to the customer. Additionally, the team incorporated Architectural Branch personnel as pilots of other drones to capture thermal heat loss on buildings for Army Materiel Command (AMC). These missions included capturing hundreds of thermal images on the target buildings at eight different CONUS locations. These images will ultimately be used to focus repair efforts in the pursuit of energy efficiency across AMC.

Structures Branch (EDC-S): Structures Branch engineer Amanda Baker provided explosives safety support to the explosive demolition of the aging Marshall Space Flight Center building. Amanda, along with the Huntsville Center Facility Reduction Program team, drone pilots and visual observers, helped ensure safe and effective demolition of the facility through contractor and installation coordination and review.

Structures Branch engineers wrapped up the “boots on the ground” phase of FES MCX’s Earth Covered Magazine Structural Integrity Analysis (ECMSIA) effort in INDOPACOM. Assessors performed rapid visual inspections of earth covered magazines (ECMs) and above ground magazines (AGMs) in conjunction with ERDC personnel to determine current structural health and estimate remaining service life of the ammunition storage facilities throughout INDOPACOM. Structures Branch engineer Amanda Baker deployed with less than 12 hours’ notice to support and

eventually chair the SIB resulting from a blasting accident at the new Veterans Administration hospital under construction in Louisville, Kentucky. Debris from this accident impacted vehicles on an interstate highway as well as private residences nearby. This accident, along with Baker’s contributions to the general field, have resulted in Headquarters-level visibility on updating USACE policy regarding blasting efforts, and Huntsville Center’s FES MCX is actively supporting HQ USACE’s initiatives, to include policy development regarding blasting.

Interior Design Branch (EDC-I): Kirtland Air Force Base, New Mexico: Defense Threat Reduction Agency (DTRA), Administrative Furniture, fiscal 2023 award amount: \$2.4 million. Interior Designers specified and technically reviewed over 200 panel supported workstations, executive wood case goods for over 50 offices, conference and training furniture, and ancillary items for a full FF&E package for this Air Force customer. After customer requested changes and adjustment for varying site conditions, there has been a MOD which included a change to the period of performance. Furniture installation begins in February.



Walter Reed NMMC, Maryland.

Fort Wainwright, Alaska, Child Development Center: Fiscal 2023 Award Amount: \$1 million educational furniture for Army Child Development Centers represents a new product line for the Furniture PDT. For this pilot project, interior designers research developed suitable specifications and then worked closely with new vendors during technical review to get this project ready to award. It was awarded in September and installation begins in February.

The Medical Interior Design team provided design and acquisition support through the MO&T-Sustainment Program to two new Defense Health Agency medical facility customers: Five actions totaling \$832,000 awarded to Walter Reed National Military Medical Center and seven actions totaling \$2,856,000 awarded to Fort Belvoir, Virginia’s August Military Medical Center. This interior design support provided critical facility upgrades to FF&E for maintaining clinical standards to meet infection control requirements of the Joint Commission across both medical campuses in the Capitol Region.

Through the Medical Outfitting & Transition Design

See **ED**
Page 15



BULLETIN FOCUS: Fiscal 2023 Year in Review

Support Services Program, the Medical Interior Design team is partnering with Defense Health Agency interior designers in the research and development of the DHA Interior Design Guide, which will provide industry partners, as well as Military Medical Facility and logistics installation customers a medical interior design guideline for critical, minimum design standards for all Structural Interior Design (SID) and Furniture, Fixtures and Equipment (FF&E) requirements of the Military Health System facility infrastructure requirements.

Mechanical-Electrical Division

Mechanical and Manufacturing Technology

Branch (EDM-M): Provided technical support to all programs within Huntsville Center for mechanical and fire protection engineering. The branch also supported several Mandatory Centers of Expertise.

The EDM-M branch also serves as the Heating, Ventilating, and Air Conditioning Technical Center of Expertise (HVAC-TCX) with recertification approved in fiscal 2023 allowing for another five years in this capacity. Notable HVAC-TCX combined labor/travel efforts in fiscal 2023 totaled over \$537,000 and included support to HQ USACE, five districts (including Civil Works), one Army command, and one interagency service: Collaborated with HQ USACE Mechanical Community of Practice (COP) to support the revisions, updates, and comment resolutions to over ten criteria and guide specifications while also initiating one case study on heat pump water heaters vs. solar hot water; troubleshooting and resolving air handler operations for Armed Forces Radiobiology Research Institute (AFRRI) that required a deep dive into this unique equipment, operation, and controls; full energy models for over 10 buildings throughout the U.S. Army Garrison in Italy required to meet INSCOM's energy savings/sustainment/resiliency initiatives resulting in over \$160,000 in labor for fiscal 2022 and fiscal 2023; MILCON support for 18,406 square foot Small Arms Range Complex located at Kunsan Air Base, Republic of Korea, including full in-house designs of mechanical, plumbing, and fire protection systems; District mechanical and plumbing systems support for in-house Request for Proposal (RFP) Statement Of Work (SOW) and design development up to 50% specifications, drawings, and LCCA for three buildings at Fort Hunter Liggett, California; MILCON support for 25,037 square feet Low Observable (L/O) Composite Repair Facility at Spangdahlem Air Base, Germany - AE DBB Review of Mechanical Systems.

Notable branch efforts in fiscal 2023 included full in-house designs for: FES MCX Standard Design - Air National Guard Maintenance and Inspection Facility; ERCIP program - Fort Liberty Emergency Water System Design and ERCIP program - Lake City Army Ammunition Plant Design.

Electrical Branch (EDM-E): Provided technical support to all programs within Huntsville Center for electrical, instrumentation and controls, and communications engineering.

The branch also supported several MCXs to include Medical MCX, FES MCX, and RTLP MCX. The branch serves as the lead project engineer for the High Altitude Electromagnetic Pulse (HEMP) program and instructs a USACE PROSPECT course on HEMP design. EDM-E also collaborated with HQUSACE Electrical COP on criteria and guide specifications for lighting, emergency generators, switchgear, and electric motors.

The branch developed in-house designs which include Kunsan Air Base, Republic of Korea, Small Arms Combat Range and 35% concept design for Lake City Army Ammunition Plant, Missouri, microgrid/cogeneration plant. The branch also provided support, site assessment and developed SOW for Marshall Islands Majuro Power Plant and distribution system upgrades for new customer supporting the U. S. state department. They also provided support and concept for a unique design of a Photovoltaic (PV) system at Gila River Indian Reservation for the U.S. Bureau of Indian Affairs.

The support to the energy programs has grown dramatically, with more than 45 new MILCON projects and an estimated cost totaling \$1,2 million. These projects include microgrids, battery energy storage, PV, and onsite generation. Provided continuing support to the FEST team for emergency electrical support to disaster response efforts for Huntsville Center. Developed new line of work for power studies that includes short circuit, load flow, coordination, and arc flash analysis. Currently preparing a SOW for a new arc flash project for Pentagon WHS.

Electronic Security System Branch (EDM-S) and Electronic Security System Mandatory Center of Expertise (ESS MCX): During fiscal 2023 the ESS-MCX successfully executed several projects for USACE and DoD.

The ESS-MCX performed site surveys at Fort Cavazos,

BULLETIN FOCUS: Fiscal 2023 Year in Review

ED

From Page 15

Texas, USACE Transatlantic Division Office, U.S. Army Forces Command (FORSCOM) Headquarters, Fort Belvoir, Virginia, U.S. Army Central Command (ARCENT) facilities in Kosovo, Jordan, Kuwait and Honduras; U.S. Army Pacific Command (USARPAC) facilities on Guam, Fort Johnson, Louisiana; Fort Greely, Alaska and Fort Liberty, North Carolina, and several other USACE project sites. They also provided performance verification testing with the USACE Europe District in Poland.

The ESS-MCX provided many designs and request for proposals reviews for multiple USACE Districts for MILCON and Facilities Sustainment, Restoration, and Modernization (SRM) Programs. The ESS-MCX saw an increase in the training mission, providing seven training classes both at home and around the world.

The ESS-MCX became heavily engaged in the efforts for Guam Defense, working with the Army Pacific Command and the Missile Defense Agency as well as USACE. The ESS-MCX provided support to the Office of Provost Marshal General (OPMG) in support of the Integrated Commercial Intrusion Detection Systems (ICIDS) program. The ESS-MCX is continuing to provide criteria updates to the ESS UFC and specifications.

Utility Monitoring & Control Systems Branch (EDM-U) and UMCS Mandatory Center of Expertise (UMCS MCX): The UMCS Branch specialized in supporting all technical aspects for ISPMs Electronic Technology Division regarding procurement and installation of Utility Monitoring & Control Systems. The UMCS Branch also served as the UMCS Mandatory Center of Expertise (UMCS MCX).

In this capacity, they collaborated with the HQ USACE Control Systems COP to update UFGS 23 09 00 and UFGS 25 05 11, supported development of the Cybersecurity Performance Verification Testing specification, kicked off development of the Facility Related Control Systems Roadmap, and provided feedback on Army efforts to establish BAS policy, which has since been released.

The UMCS MCX received its recertification during the fiscal 2023 year. The UMCS procure and install engineering PDT obligated \$300 million across 364 contract actions, including 35 new task order awards to a diverse base of DoD customers worldwide.

The UMCS program's top three Fiscal 2023 awards were to Fort Wainwright, Alaska, to repair HVAC, DDC, and BAS across various buildings and to U.S. Army Garrison - Bavaria

to upgrade their UMCS at various locations. In addition, the UMCS engineering staff supported the completion of 2,975 service orders valued at \$94 million.

Medical Facilities MCX Division

The Medical Facilities Mandatory Center of Expertise and Standardization (MX): Developed and implemented new enterprise-wide Medical Construction Quality Assurance Training for USACE Districts executing Department of Veteran Affairs work focusing on medically unique features. The eight-hour training will be standardized to support future DoD and DVA project awards with the goal to reduce risks to hospital accreditation, sustain project cost and current scheduling, and reduce risks to overall safety.

The MCX delivered training to Louisville District (over 30 in attendance) on Joint Commission; medical gas systems; fire protection/life safety; HVAC; architectural mockups; and communications systems, which all received excellent feedback. Also, they provided similar project-specific training to Sacramento District, including medical gas systems, Joint Commission, radiation shielding and fire protection/life safety. An overview of the training plus select modules were presented to the full Medical Facilities COP, includes DHA, DVA and others, with attendance of over 75. Further training modules are under development.

The MCX led the technical analysis of AE1 15% design price proposal for the \$500 million fiscal 2025 West Haven DVA New Surgical and Clinical Tower, West Haven, Connecticut. The MCX also participated in negotiations with AE1 team at the request of the New England District. The AE1 (Leo A Daly/Perkins Will Joint Venture) original total proposal was \$14.1 million; MX analysis in conjunction with the requirements of PG 18-15 and participation assisted in reducing the award amount to \$10.9 million, a 23% savings of \$3.2 million.

Savings on deliverables associated with this task order include reduction of the Concept Design cost (CD) from \$3.2 to \$2.3 million while Schematic Design (SD1) phase cost was reduced from \$4.8 to \$3.6 million.

Systems-Cost Division

A-E Contracts & Criteria Branch: Continued to strengthen its relationships supporting Huntsville Center's various programs, BMD, P&P, and the Medical Division.

The Centralized ERCIP program has been solidified

See **ED**
Page 15



BULLETIN FOCUS: Fiscal 2023 Year in Review

ED From Page 16

throughout fiscal 2023 and through the year, at least 17 microgrid and water resilience projects have been worked, with additional 14 resilience project being planned for AE design award. Further, the ERCIP (Interim) IDC was awarded (in just under 11 months' time) that will be the primary contract vehicle to accomplish these ERCIP projects. The S&C team continues to provide dedicated support as it grows. There have been internal promotions and new hires to support the upcoming requirements. Like ERCIP, additional S&C projects have been added for the next fiscal year.

Facilities & Systems Sustainment Branch:

Continues to support the OMEE, ACP and BASEOPS programs. The branch is participating in an Army level FASS working group and begun the process of standing up a FASS Technical Center of Expertise. The branch has added design services as a line of effort for the ACP program in-house designs. FSS has also began a partnering initiative with the Defense Intelligence Agency O&M program and ISPM.

Automated Systems Branch: The branch has continued the maintenance and development of new functionality to three software programs during the year, TRACES suite of tools, the PAX DD Form 1391 Processor System, and newly onboarded, SpecsIntact.

Fiscal 2023 was a successful year for each program.

SpecsIntact was successfully migrated over from NASA to Huntsville Center and is fully functional.

The PAX Program continues to work with the Air Force on supporting new functionality and has received commitment from Navy to partner with the program while supporting existing customers. Functional implementation for the Navy is going to be a phased approach. Initial functional role out is expected mid fiscal 2024.

The TRACES Program continues to bring on more customers and has been strengthening customer relationships through meeting on-time deliverables and fostering transparent communication.

Building relationships and trust with customers and stakeholders has steadily increased the tasks and workload for all the programs. TRACES, PAX, and SpecsIntact successfully executed \$4.4 million, \$5.6 million and \$1.1 million respectfully for fiscal 2023 which included contract awards and government labor.

Cybersecurity & Information Technology Branch/

Control System Cybersecurity Mandatory Center of Expertise:

The C&IT Branch continues to increase the support provided to Huntsville Center PDTs and USACE Districts. Within Huntsville Center, the branch supported over 150 active projects (ESS, UMCS, Ranges, TPSS, etc.), and sent technical experts to over a dozen ERCIP planning charrettes to advise on cybersecurity requirements for microgrids.

On the MCX side, the branch supported roughly 200 MILCON design reviews, 30 RFP reviews, and completed a dozen cybersecurity designs in-house. The MCX taught cybersecurity design courses in Republic of Korea and Texas, and is currently working with HQ USACE to develop control system cybersecurity training for the enterprise.

Cost Engineering Branch: The Cost Engineering Branch continued providing cost support for multiple Huntsville Center programs with most of the cost support including the development of independent government estimates and cost/price analyses of contractors' proposals.

The Cost Engineering Branch also provided cost support for Army G-9 and HQ USACE as part of the DD1391/ENG3086 TCX responsibilities. The Cost Engineering Branch is responsible for the validation of the ENG Form 3086s for the MILCON program.

Construction Branch: The branch has continued to increase the projects and programs which are utilizing ACOs and Project Engineer CORs to provide post award contract administration support to construction programs such as FRR, MRR, and ACP.

The construction branch has also increased support to service programs within Huntsville Center (Fuels, UMCS, ESS, Metering, ACP, and BASEOPS) through service order administration and other post award contract administration. The branch has increased in the number of ACOs, CORs, and SOAs providing support to Huntsville Center this year to a total of seven ACOs, seven CORs, and 10 SOAs.

The branch has ACO delegation status on approximately \$615 million in total project value (25% of the total obligations of Huntsville Center).

The branch approved approximately 8,300 total service orders last year at a dollar value of approximately \$295 million (15% of total obligations of Huntsville Center).

Overall, the construction branch is involved in a large majority of Huntsville Center's total obligations.

On top of post award contract administration, the branch continued to provide BCOES reviews, project schedule

BULLETIN FOCUS: Fiscal 2023 Year in Review

Installation Support and Programs Management Directorate

The Installation Support and Programs Management (ISPM) Directorate closed fiscal 2023 by executing just over 2,700 completed contract actions, obligating more than \$2.12 billion in support of our Soldiers, Sailors, Airmen, Marines, their families, and DoD Civilians. This represents approximately 88% of the total obligations for the entire Huntsville Center.

Of the six divisions within ISPM, the largest amount obligated was executed by the Operational Technology Division with \$574 million via 650 contract actions, although the Medical Division was a close second with 626 contract actions valued at \$507.5 million.

Operational Technology

Division:

Awarded over 650 contract actions with obligations totaling over \$574 million in Fiscal 2023. The programs provide solutions through design, procurement, installation, maintenance and service. In addition to the obligations, over 3,750 service orders were processed with a value of over \$104 million.



Technicians installing security cameras.

Electronic Security Systems (ESS): Awarded 138 contract actions with total obligations of over \$117 million. The PDT established 31 new task orders with an overall contract value of \$151 million.

Three key projects executed in fiscal 2023 were a combined procurement and installation effort for U.S. Army Medical Research Institute of Infectious Diseases utilizing both ESS and UMCS services; a procurement, installation and maintenance for the Louisville District (CELRL) Lock, Dams and Lakes at ten separate locations; and Air Force projects at both Niagara Falls and Carswell Air Reserve Bases.

The program awarded 107 contract modifications valued at \$33.5 million. The ESS VII MATOC was awarded with a seven-year ordering period and a capacity of \$675 million, the first task order was issued in March. Additionally, ESS completed 784 service orders valued at over \$10 million.

Utility Monitoring Control Systems (UMCS): Obligated \$300 million across 364 contract actions, including 35 new task order awards to a diverse base of DoD customers worldwide. The UMCS program's top three Fiscal 2023 awards were to Fort Wainwright, Alaska, to repair HVAC, DDC, and BAS across various buildings and to USAG-Bavaria to upgrade their UMCS at various locations. In addition, the UMCS program completed 2,975 service orders valued at \$94 million.

Facility Technology Integration – General (FTI-Gen):

Executed 100 contract actions with total obligations of \$70.2 million. In Fiscal 2023 the team was approached by multiple new customers including the Special Operations Command Pacific (SOCPAC) and the Defense Logistics Agency (DLA). The PDT successfully awarded new contracts for both new customers, to include a \$49.5 million, Indefinite Delivery, Indefinite Quantity (IDIQ) contract along with two seed task orders. The team has already begun working another large, valued IDIQ for the U.S. Army Special Operations Command (USASOC) scheduled for award in 2nd quarter of fiscal 2024.

The program already has multiple fiscal 2024 projects in the works from new customers. Some of the organizations in which the PDT has previously awarded contracts have been letting their counterparts know about Huntsville Center and the FTI-Gen program. In this write-up last fiscal year, the team identified new projects for the Marines for fiscal 2023, and the team awarded three new contracts for the Marines. The team is now working a large regional maintenance contract slated to be awarded in late first quarter of fiscal 2024.

FTI-Gen along with the FTI-Med closed out 83 ACE-IT contracts to help closeout that program. All of this was achieved with a virtually brand-new contracting team. Our PDT, in its current form, has only been established since

See **ISPM**

Page 19



BULLETIN FOCUS: Fiscal 2023 Year in Review

ISPM

From Page 16

March of this year. It is down a key member with several members being dual-hatted. The team came together, made strategic process improvements, and delivered all of this in seven months. This Fiscal year was the first in the history of the program to have all awards completed on Sept. 28 and to be financially cleared before the Sept. 30 deadline.

Facility Technology Integration-Medical (FTI-Med): Executed 61 contract actions with total obligations of \$75.3 million. The FTI-MED/CS program executed a total of 10 option year awards valued at \$23.5 million for Facility Communication Distribution Systems (FCDS) support services contracts at various major medical facilities world-wide. These FCDS support services contracts provide industry best practices with help desk support, network support, administration support, engineering, and cybersecurity support which is essential to the operation and functionality of these medical facilities.

FTI-MED is continuing its services for Defense Health Agency – Facility Management (DHA-FM). DHA logistic support services contracts for DHA Defense Medical Logistics Standard Support (DMLSS) for its CONUS locations. This contract is valued at \$94 million over the life of the contract.

CS initiated a Facility Related Control Systems (FRCS) Inventory contract with MDA. These services include the completion of physical and logical inventories of FRCS at numerous buildings occupied by the MDA across eleven Air Force and Navy installations both CONUS and OCONUS.

High-Performance Computing (HPC): Obligated \$12.5 million, closed remaining contracts not transitioned to Engineering Research and Development Center (ERDC), and successfully transitioned all remaining contracts to ERDC.

Energy Division:

Executed over 480 contract actions totaling approximately \$287 million in fiscal 2023 obligations. Additionally, third party financing had a total of six contract actions for a total capital investment value of over \$155 million.

Army Metering Program (AMP): Executed over 34 contract actions with an obligation value of over \$29.8 million. Huntsville Center provides support to the Army Metering Program (AMP) by managing the Meter Data Management System (MDMS), installing meters on Army installations worldwide and providing training to Army Energy Managers. Army installation facility energy and water use is metered and incorporated into energy monitoring systems to provide effective, accurate and compliant collection and reporting for timely energy management and accountability (EXORD Order 028-12). Per Army Directive 2014-10 (Advanced Metering of Utilities), meters must be connected to the MDMS as quickly as practical for installations using an accredited metering system (does not include contingency sites). To date, ACMP has 26,732 meters reporting to the Army's Meter Data Management System.

Commercial Utility Program (CUP): Executed 42 contract actions totaling over \$7.15 million. CUP received \$1.46 million in central funds, \$3.27 million in IMCOM G-4 funds, and \$4 million in Army G-9 funds, for a grand total of \$8.77 million. Funds supported five Utility Rate Interventions, one Utility Service Assessment, one (1) Utility Bill Audit, thirteen (13) ADAPPO approvals, two Utilities Privatization (UP) Technical Support Assistance efforts with five utility program (UP) modifications to provide additional UP Technical Support Assistance, plus staffing the CUP Helpline and providing technical assistance to eight Army installations, ranges and arsenals and the U.S. Military Academy at West Point, New York. CUP continued to support Army Regulation 420-41 major revision efforts and developed the scoping strategy that will be used by HQ USACE to execute this update. CUP's execution savings-to-investment rate of return for fiscal 2023 was greater than 67 to 1.

Energy Resilience and Conservation Improvement Program (ERCIP): Obligated \$2.3 million and completed validation of 23 projects for the fiscal 2026 ERCIP cycle, valued at approximately \$1.178 billion to be submitted to Office of the Secretary of Defense (OSD) for congressional approval. Huntsville Center additionally assisted DCS G9 this fiscal year with updating the Army's annual ERCIP guidance. OSD changed how the services present their projects with a series of new OSD created templates late in the project validation cycle for fiscal 2026 projects.

See **ISPM**
Page 20

BULLETIN FOCUS: Fiscal 2023 Year in Review

ISPM

From Page 19

The new templates contained within the fiscal 2026 ERCIP Guidance heavily focuses on defining the prioritization criteria for projects submitted to Congress, and the ERCIP Program remained resilient throughout the year in their ability to respond and incorporate last minute changes required by OSD and DCS G9 while still meeting all submittal suspense dates.

Geographic district participation in ERCIP validation efforts continued to increase in fiscal 2023 and Huntsville Center will continue to leverage their support for the 15 fiscal 2027 projects H QUSACE anticipates will be included in the upcoming cycle. Interest in the ERCIP program continued to grow in fiscal 2023 across installations, depots, and ammunition plants. Lastly, the centralization of the ERCIP program within USACE did not have a significant impact on validation efforts, but the ERCIP Program incorporated LRL into their PDT for visibility of upcoming actions for execution that are in the pipeline.

Energy Savings Performance Contracting/Utility Energy Services Contract (ESPC/UESC): The third party financed programs ESPC and UESC executed energy projects on behalf of our DoD partners and stakeholders.

The ESPC and UESC programs continue to support installations globally increasing energy security, improving energy resiliency, reducing carbon footprint and greenhouse gases, modernizing infrastructure throughout the DoD while reducing energy consumption.

Fiscal 2023 posed multiple challenges and opportunities with several new starts utilizing newly developed processes including a new small Enable like and hybrid process. Headquarters Installation Management Command (HQIMCOM) lifted the strategic pause, and we saw enormous re-invigoration and involvement from all stakeholders.

This culminated with Huntsville Center becoming the sole third-party financing execution agent for the Army Materiel Command (AMC) and IMCOM. Huntsville Center obligated an additional \$3 million in funding from OSD through the ASA's office to improve the current energy database and provide additional contracting and energy support services. Below are some of the other successes the programs achieved.

ESPC:

The ESPC PDT executed 306 contract actions totaling \$159.4 million in fiscal 2023 obligations. This included

project performance payment modifications, task order modifications, and new project awards. The PDT also released three RFPs (two Army and one Navy) for new projects and currently developing an addition three (one Army, one Air Force, one Army Reserve) for release in first quarter fiscal 2024.

ESPC awarded two new projects during fiscal 2023 that had combined capital investment of \$20.4 million:

■Fort Knox, Kentucky, Phase II task order awarded to in September with a capital investment of \$13.1 million. Energy Conservation Measures (ECMs) included HVAC controls, HVAC mechanical upgrades, plant operation, lighting improvements, building envelope upgrades, and refrigeration upgrades. Interest rate at award was 6.29%, with year one guaranteed savings of \$1 million, 41,799 MBtu/yr and \$29.3 million of guaranteed savings over the 22-year performance period.

■Fort Bliss, Texas, Phase I task order was awarded in September with a capital investment of \$7.3 million. ECMs include Interior and Exterior lighting. Interest rate at award was 5.84%, with year one guaranteed savings of \$627,000 at 26,102 MBtu/yr.

The program continued the \$3 billion ESPC MATOC IV acquisition process by releasing the draft RFP to industry in September, with an anticipated award third quarter fiscal 2025. The program also solicited and awarded the new third-party M&V contract. This contract will provide third party M&V services, database, and support services over the next five years.

The ESPC Program held its annual ESPC/UESC Workshop in August, with focus on innovation in ESPCs and UESCs. There were approximately 300 attendees including a senior leaders from Executive Office of the President White House Council on Environmental Quality, DASA ES, DCS G-9, AMC, HQIMCOM, USACE, AFCEC, NAVFAC, DOE, Garrison Energy Leaders, executives from the Energy Service Companies (ESCOs), and Utility companies. This forum allowed attendees to share information, experiences, and lessons learned on past and on-going ESPC projects.

The program also participated in a AAA Audit which validated the programs successes in overseeing the ESPC and ensuring savings are verified. Program also developed a Huntsville Center specific Third-Party Financing week-long training program for PMs and PDT members that are on-boarded.



BULLETIN FOCUS: Fiscal 2023 Year in Review

ISPM

From Page 16

UESC/PPA:

In fiscal 2023, the UESC/PPA Program executed 24 contract actions with \$3.6 million in obligations and \$134.8 million in capital investments. The contract actions include task order awards, invoice payments, modifications, cost avoidance obligations and an award of an IGA.

The PDT continued to support IMCOM, AMC, WHS and AFCEC and we began to partner with the Army Reserves to develop UESC projects at Fort Hunter Liggett, California, and 63rd and 99th Readiness Divisions. The UESC program saw the largest fiscal year end to date with seven contract actions valued at \$116.3 million in September alone. Notable actions for both programs include four UESC awards for implementation with a total capital investment of \$134.8 million, an award of the Fort Moore, Georgia, Investment Grade Audit at \$996,000, obligation of \$1 million AFFECT Grant funds on the Fort Bliss, Texas, UESC and the completion of all actions short of OSD approval and award the Fort Carson, Colorado, PPA task order.

■The Fort Carson, Colorado, PPA is the final task order to be awarded on the PPA MATOC. Valued at \$27.2 million this PPA will provide a 10.1MW solar array at Fort Carson and will promote energy security, is micro-grid ready and will contribute to Fort Carson's carbon free electricity goals. The Army will purchase power generated by this array at \$0.048/kWh to Energy Matters who was competitively selected to design, build, operate, and maintain the assets throughout the 30-year period of performance. The PDT overcame several hurdles (most notably when the project stalled due to an OSD/OGC legal opinion in 2013 which restricted the period of performance to a 22-year period of performance) and worked towards an fiscal 2023 award of the task order including coordinating with several stakeholders to compile the 32-document approval package, shepherding this package through OEI, ASA IE&E and OSD and a last-minute briefing to Christine Ploschke, ADASA(E&S). Despite our efforts, the project is now targeted to award in early October, fiscal 2024. There are no expected negative impacts to the project with an early award.

■Fort Bliss, Texas, worked with the Department of Energy since June 2022 to receive grant funds they were awarded through the AFFECT application process. They managed to pull the funds and alert HNC of their intent

to obligate them this fiscal year four days prior to fiscal yearend. The UESC PDT accomplished a seemingly insurmountable feat by obtaining leadership approval, receiving, accepting, and obligating these expiring funds within two days.

■Fort Moore, Georgia, Investment Grade Audit (IGA) was the last contract action awarded in fiscal 2023 for the UESC Program. This award to Liberty Utilities obligated \$996,188 was for the development of the IGA which will further study the viability to convert dining facility food waste into compressed natural gas to fuel troop transport vehicles and the GSA fleet. It is estimated this project will divert 70% of Fort Moore's solid waste from the landfill. A previous utility study had concluded that the amount of food waste produced annually by all the DFACs was approximately 2/3 too low for the traditional digester technology selected (needs $\approx 20,000+$ ton/yr.). New technology has been recently patented that should work well with the current level of annual food waste and is easily scalable to match future needs.

■Fort Johnson, Louisiana, task order valued at \$20.5 million was awarded to CenterPoint Energy (with Energy Systems Group as their ESCO partner) in June. This UESC will support Fort Johnson in its efforts to meet the Army Directive Installation Energy and Water Security Policy. The Core Project includes the following three ECMs: boiler upgrades at four central energy plants (CEPs), utility monitoring controls system (UMCS) upgrades, and lighting system upgrades for 128 buildings and rail yard exterior lighting. This project has an interest rate of 4.59% with savings of \$40 million over the 23.5-year performance period.

■Fort Novosel, Alabama, Phase II task order valued at \$8.5 million was awarded to South Alabama Electric Cooperative (with Southland Industries as their ESCO partner) in September. This modification added another phase to the already awarded UESC from last fiscal year. The goal of this project is to build on the Phase I energy efficiency work and continue the efficiency progress Fort Novosel has accomplished over the past 10 years with its serving utilities. This project focuses on converting lighting systems to LED, refurbishing air-cooled condenser unit coils (with on-going maintenance

See *ISPM*
Page 22

BULLETIN FOCUS: Fiscal 2023 Year in Review

ISPM

From Page 16

support), converting constant flow chilled water (CHW) and heating hot water (HHW) systems to variable flow, and converting single-zone, constant volume air handling units to variable volume operation. This project has an interest rate of 4.61% with savings of \$15 million over the 20-year performance period.

■Fort Stewart, Georgia, UESC, valued at \$17.6 million was awarded to Canoochee EMC (with Southland Industries as their ESCO partner) in September. The ECMs which are funded entirely by over \$920,000 in net annual energy and operational savings include chiller and chiller plant optimization, and interior and exterior lighting improvements at both Fort Stewart and Hunter Army Airfield. This project has an interest rate of 5.22% with savings of \$34 million over the 21.75-year performance period.

■Fort Irwin, California, Phase II UESC task order was awarded to Southwest Gas (with Ameresco as their ESCO partner) in September and is valued at \$88 million. The first phase, awarded last year, provided for the implementation of 22 miles of natural gas pipeline and 16MW of natural gas generation. This follow on phase will provide equipment conversion from propane, 3.5 MW solar PV, microgrid, and a 4MW battery energy storage system, boiler, and chiller upgrades, packaged unit HVAC upgrades, lighting upgrades, a UMCS. This project has an interest rate of 5.37% with savings of \$133 million over the 22-year performance period.

In May, the UESC Program finalized and executed a Programmatic Acquisition Strategy Plan with CSE Memo and RSCA. These documents will help to streamline the acquisition process and reduce the execution lead time and labor burden of executing nearly identical requirements for future UESC projects.

Department of Energy Federal Energy Management Program (DOE FEMP) provided an in-person comprehensive training for Huntsville Center in May. There were approximately 65 people in attendance from multiple disciplines across the ESPC and UESC PDTs as well as external stakeholders. The training focused on various phases of third party financed contract development, and execution as well as lessons learned.

The UESC Program participated in the annual ESPC/

UESC Workshop in August which focused on Innovation in ESPCs and UESCs. There were approximately 300 attendees including a senior leaders from Executive Office of the President White House Council on Environmental Quality, DASA ES, DCS G-9, AMC, HQIMCOM, USACE, AFCEC, NAVFAC, DOE, Garrison Energy Leaders, executives from the Energy Service Companies (ESCOs), and Utility companies. This forum allowed attendees to share information, experiences, and lessons learned on past and on-going ESPC & UESC projects.

Office of Energy Initiatives (OEI)/Office of Energy Assurance (OEA): Completed a total of four (4) contract actions for an obligation value of over \$14.8 million. These included the award of a new support service task order off a GSA set-aside contract to provide support to the Office of Energy Initiatives (OEI) with a value of \$28,805,119 for one base year and two option periods. This will support the development of resilient, renewable, and alternative energy projects at Army installations.

Huntsville Center received and obligated \$17.3 million in OEI and OEA funds which is an increase over fiscal 2022 total which was \$13.8 million received and obligated.

Planning and Programming Branch - Master Planning: Obligated \$9.73 million and 22 actions for fiscal 2023. This is substantial in total dollar value under the fiscal 2022 amount although the total number of actions remained relatively constant. Most of the programmatic decrease can be attributed to the onetime \$11 million of Electronic Vehicle Master Planning work executed for AMC and IMCOM awarded in fiscal 2022 which was not repeated in fiscal 2023.

Planning and Programming Branch – Real Property: Obligated \$39.6 million and 21 actions for fiscal 2023. This is a substantial increase total dollar value over the fiscal 2022 and an increase in the number of actions. Most of the programmatic increase can be attributed to three projects: Marine Corps INFADS Support, NGB Support and IMCOM IGI&S Support.

See **ISPM**
Page 23



BULLETIN FOCUS: Fiscal 2023 Year in Review

ISPM

From Page 16

Resource Efficiency Manager (REM): Executed 31 contract actions with obligations exceeding \$18.9 million. The REM Program, in collaboration with the Department of Energy DOE FEMP, provided excellent customer service and training opportunities for the REMs and the garrisons they serve. The program had an increase of 23 REMs in fiscal 2023 for a total of 102 placed under contract. New customers included IMCOM Europe, Marine Corps Hawaii, Defense Health Administration, Veterans Affairs, and 10 optional REM positions on current contracts supporting the existing customer base.

The program continues to work to streamline the contracting process and to adjust the contracting documentation to meet customer requirements. The program issued eight new awards with six for new customers. The REM Program provided an in-person REM Workshop in May attended by 70 REMs, contractor representatives, energy managers, USACE employees, DOE FEMP personnel and contractors, and trainers. The workshop included presentations covering USACE energy programs, ESPC/UESC project development, safety, Agency Energy Program overviews (Army, Navy, DOE FEMP), 50001 Ready Training and the DOE FEMP Retuning Challenge training. The REM Program will continue to provide training and assistance to the REMs in fiscal 2024.



Resource Efficiency Manager takes readings.

Maintenance and Services

Division: Awarded 237 contract actions, across three programs, totaling \$393.3 million in fiscal 2023. In addition to new contract actions, the Maintenance and Services Division executed over 7,280 service orders with a value of over \$150.6 million.

Base Operations (BASEOPS): Obligated over \$40.7 million with 60 contract actions and over 2,300 service orders valued at \$19.9 million.

Key projects were for Fort Riley, Kansas, Public Works

Department (PWD) and the 88th Readiness Division (RD).

The Fort Riley SRM facilities preventative and corrective maintenance contract, valued at \$99.2 million, is the largest single contract within the program. Earlier this year, the contract was increased \$2 million to fully support routine facility maintenance for administration and barracks buildings.

BASEOPS captured \$300,000 in expiring funds for the 88th RD - Chicago Region to provide modernization upgrades to the life safety/ health systems for facilities in Wisconsin and Illinois. The PDT awarded a new \$11.4 million

five-year preventative and corrective maintenance contract in support of the 88th RD - Kansas City Region. The U.S. Army Garrison - Hawaii is a new customer to BASEOPS and the team is working closely to develop the contract scope for a new \$5.3 million one-year preventative and corrective maintenance contract to support water and sanitary systems across the islands.

In addition to routine actions, the program successfully finished all actions and closed the contract associated with the 88th Medical Equipment Concentration (MECs) contract in support of the U.S. Army Reserve, in March.

Access Control Points (ACP): Completed 73 contract actions with total obligations of \$70.5 million (double fiscal 2022's obligations). Additionally, the program executed 701 service orders valued at \$22.9 million to maintain ACP equipment functionality at 60 supported installations.

Projects included installation of active vehicle barriers (AVB) at various ACPs. Ten ACPs were provided in fiscal 2023 with three at Fort Carson, Colorado, three at Fort Moore, Georgia, two at Fort Campbell, Kentucky and one each at Fort Wainwright, Alaska and the Defense Supply Center Columbus, Ohio.

To eliminate siting issues and resulting impacts, the ACP program now provides 35% design at solicitation. The Fort Carson actions were the first solicited with a 35% design; Fort Campbell and Fort Moore are next in queue with 35% design completions. Of the more than 20 projects executed, a key

See ISPM

Page 20

BULLETIN FOCUS: Fiscal 2023 Year in Review

ISPM

From Page 16

one is the installation of five AVBs at Fort Sill, Oklahoma.

Another highlight is that the ACP program was designated Mission Assignment for non-MILCON funded ACP installation for the Office of Provost Marshal General (OPMG). This mission assignment designation allows the program to continue to assist the improvement of the Army's security posture to prevent threats entry, being the line of final denial capability.

Fuels (FUELS): Obligated over \$282.1 million in fiscal 2023 with 106 contract actions, completing over 2000 preventive maintenance visits and over 3,400 corrective maintenance repairs via service orders. The repairs and emergency response actions were completed at 433 Defense Logistics Agency (DLA) capitalized petroleum facilities worldwide. The program also maintained all DoD Marine Loading Arms (MLAs) at 20 sites.

Two key projects this year were Red Hill Bulk Storage Facility repairs in Hawaii and the Guam Marine Loading Arm overhauls. At Red Hill Bulk Storage Facility, 108 deficiencies required repair no later than May 31 to allow for the upcoming defueling phase. These repairs were executed five days ahead of deadline via 29 corrective maintenance service orders. An additional 22 corrective maintenance repairs were required prior to Aug. 18 and were completed on schedule.

This corrective maintenance equated to 25 years of normal Red Hill repair efforts in just seven months while executing with high quality, on schedule and safely. The program is executing repair by replacement of six new MLAs at Navy Base Guam as the old MLAs were no longer able to be repaired due to the constant corrosive environment. These MLAs are critical as they support the Navy Pacific Fleet and our partners with fuel.

Facilities Division:

Awarded 672 contract actions, across five programs, with obligations totaling \$354.6 million in fiscal 2023. In addition to new contract actions, the Facilities Division executed 546 service orders.



Red Hill Bulk Storage Facility, Hawaii.

Facilities Reduction Program (FRP): Obligated \$24.1 million through 111 contract actions. The program continues to work with NASA, IMCOM, USARC, and other DoD and other Government Agencies. FRP also continued to maintain its "Best in Class" designation through the Office of Management and Budget and on GSA's Gateway.

A few significant accomplishments for the program include awarding four separate regional pre-demolition surveys that cover eleven separate Army Reserve Center locations, awarding a large demolition project with first-time customer National Nuclear Security Administration, and demolishing the NASA Marshall Space Flight Center Building 4200.

Facilities Repair Renewal (FRR): Obligated \$66.8 million through 98 contract actions. The program continues to support Army Garrisons along with supporting USACE districts to

include another St. Louis District Civil Works project for \$3 million. In addition, the program delivered 308 electric vehicle charging stations for IMCOM/AMC and designed stations for several USACE Districts across the U.S.

Centralized Furnishings Program (CFP): Obligated \$108.1 million for fiscal 2023, and the program continues to improve processes and procedures that assist with sustaining federal agency performance. The PDT awarded approximately 373 new contracts and modifications and numerous design reviews supporting USACE Districts.

The Furnishings Program is now successfully utilizing the new Furnishings Virtual Ordering System for both our Navy and Army Unaccompanied Housing customers. The program continues to add additional product lines to the on-line system in support of our customers. Army Family Housing was added late fiscal 2023.

This on-line system improves efficiencies within standard processes allowing the program to expand technical services

See ISPM

Page 15



BULLETIN FOCUS: Fiscal 2023 Year in Review

ISPM

From Page 16

such as design, turnkey solutions, and portfolio management solutions for all customers.

The PDT awarded our first Child Development Center (CDC) contract in support of the CDC MILCON program. The program partnered with Huntsville Center's Centers of Standardization Program Office to standardize the furniture outfits of all future CDCs. During FISCAL 2023, the Furnishings Program was instrumental in assisting IMCOM and various other DoD agencies to furnish several facilities with mission directly supporting national security.

Range and Training Land Program Mandatory Center of Expertise (RTLTP MCX):

Obligated \$4.2 million in support of the Army's Training Support System (TSS) Enterprise. The program performed more than 30 Continuous Technical Refresh (CTR) site visits to evaluate range facilities to determine if the existing facilities will support the new targetry systems.

The TSS Enterprise provides centralized management and engineering support for Army G-3/5/7's training facilities. TSS includes the facilities in Sustainable Range Programs (SRP), Soldier Training Support Program (STSP), Mission Command Training Support Program (MCTSP) and Combat Training Center (CTC) programs. In fiscal 2023 the program was involved in conducting planning charrettes at Camp Blanding, Florida, to Fort Hunter Liggett, California.

The RTLTP MCX conducted numerous construction inspections on projects from the Fort Knox, Kentucky, Digital Air Ground Integration Range to the Digital Multipurpose Range Complex at Fort Cavazos, Texas.

Secure Facilities Branch (SFB): Obligated approximately \$151.4 million worth of new work and completed approximately 90 contract actions during fiscal 2023. This is an increase from the previous year in which the branch awarded approximately \$103.8 million. In addition, the branch awarded over 546 service orders valued more than \$13.7 million. As the newest branch within Huntsville Center, SFB continued to expand and build upon our partner support base with agencies such as the Department of State, Defense Threat Reduction Agency (DTRA), EUCOM as well as cultivating new partnerships with agencies such as the White House Communications Agency, National Security Agency, and the Navy. The branch continues to provide support to partners INSCOM and DIA. The program

continues to improve our mission support capabilities by providing fully vetted Program and Project Managers, as well as cleared contractors that are responsible for the installation, maintenance, and upgrade of mechanical and electrical systems throughout facilities around the world. In addition, the program has added base operation support that requires cleared U.S. Contractors. The contracts are structured to ensure all ICD 705 procedures are followed and verified to not impact the accreditation of a Sensitive Compartmental Information Facility (SCIF). The program provides support in the development of Construction Security Plans (CST) to ensure all logistical precautions are met as well as the processing of all DD254's, and when required, all National Intelligence Determination (NID).

Medical Division:

Medical Division awarded 626 actions totaling \$507.5 million in fiscal 2023.

Medical Outfitting and Transition (MO&T)

Program: In fiscal 2023 the MO&T Program executed 213 contract actions valued at over \$156.4 million. Branch highlights include MO&T awarding the full Initial Outfitting & Transition (IO&T) Services Contract for the General Leonard Wood Community Hospital (GLWCH) in 2022 to Atkins North America Inc., for a total contract value of \$62.3 million.

In fiscal 2023 the branch executed \$43 million in equipment options so the contractor can begin making procurements for the outfitting of medical equipment, furniture, and artwork. The new hospital is programmed to support 5,700 Active Duty, and 20,400 Trainees and their families. The IO&T contractor will conduct the full planning and outfitting of the facility as well as transitioning approximately 1,156 hospital staff from the legacy facility to the newly constructed hospital building.

PSS awarded five multi-year contracts using both GSA and 8A contracting vehicles for support services to conduct clinical and facility transitions across multiple DHA-Facility Enterprise sites.

These contracts were awarded for a total value of \$22.7 million. These contracts will provide DHA the vital support required for executing and managing the Sustainment and Environmental Program, Capital Investment Decisions Model (CIDM), Portfolio Business Integration, and Planning

**See ISPM
Page 15**

BULLETIN FOCUS: Fiscal 2023 Year in Review

and Drafting Policies in more than 15 different categories across the medical services enterprise.

Medical Repair and Renewal (MRR) Program: In fiscal 2023, the MRR Program executed 121 contract actions valued at approximately \$126.6 million. MRR offers a fast track, efficient method for design and execution of all types of medical facility repairs, renovations, conversions, alterations, additions, and construction projects.

This program provides project management, construction engineering, contracting and construction support to multiple Department of Defense and non-DoD agencies for medical facilities nationwide.

Operation and Maintenance Engineering Enhancement (OMEE) Program: In fiscal 2023, the OMEE team executed 292 contract actions valued at over \$224.5 million.

The work executed by this team directly supports DoD medical stakeholders, in their endeavor to provide world-class health care to our nation's warfighters, veterans, and their dependents.

The program provides a simplified approach to respond to the growing operations and maintenance needs of DoD medical facilities.

OMEE uses streamlined processes that provide low-cost, quick response contracts for the operations, maintenance, repair, and replacement of equipment for DOD medical assets worldwide.

Program Support Division:

The Military Support Division processed 45 actions, with obligations of \$9.9 million.

Centers of Standardization (COS): The COS program obligated \$ \$1.04 million. The COS is one of nine Centers established by the Director of Military Programs in March 2006 to be the Army's life cycle manager for assigned facility types. The COS supports USACE, IMCOM and the Office of the Assistant Chief of Staff for Installation Management.

Standards and Criteria Program (SCP): The SCP program obligated \$ 6.73 million to develop and maintain the standards and criteria used to support tri-service MILCON. This program undertakes the development of new technical standards and criteria documents as new building technologies enter the marketplace and design and construction industry evolves.

Typically, the criteria documents are maintained in the form of Unified Facilities Criteria (UFCs) documents, Unified Facilities Guide Specifications (UFGSs) and HQ USACE publications such as Engineering Regulations, Design Guides, TechNotes, etc. Funding for this program is provided by the ACSIM, which provides annual review and oversight of its efforts.

Special Projects Program (SPP): The Special Projects Program completed 45 contract actions for a total of \$2.1 million in contractual obligations in fiscal 2023.

This program is unique in that it supports the direct needs of Huntsville Center and its various programs. Although awarded at the end of the prior fiscal year, in support of the ISPM 2025 Strategic Plan initiative, the ISPM PM Training course was awarded. The ISPM PM Training course included a requirement for remote learning modules and associated PM Handbook revisions, which required substantial PDT coordination throughout this fiscal year across various programs to implement successfully.

Also, SPP procured multiple iterations of geophysical equipment for OE Directorate Safety professionals and the Engineering Directorate, Geosciences Branch, that were critical for their on-site quality assurance and geophysical surveying needs.

Medical Division Contracting Directorate professionals were reinforced through award of a service task order contract to supplement execution of existing and projected tasks. In addition, SPP supported the USACE Learning Center (ULC) with multiple contracts for preparation and instructing PROSPECT training courses as well as, procurement of audio-visual equipment for classrooms, which impacted trainings for all USACE.

Both the ULC and Huntsville Center were supported by Next Generation Shipping and Delivery Services task orders to support dissemination of course material. Coordinated with Center Contracting and other directorates as well as support offices on the path forward for records holding and disposition. These are only a few of the many dynamic actions accomplished by this program.

Overall, SPP generally supported Huntsville Center through award of miscellaneous Center-impacting service contracts by varying contract types in a true cradle-to-grave manner.

Though small in obligations, the overarching impact can't be measured and was necessary for the continuity of day-to-day operations.



BULLETIN FOCUS: Fiscal 2023 Year in Review

Ordnance and Explosives Directorate

The Ordnance and Explosives (OE) Directorate closed fiscal 2023 by obligating over \$186 million to protecting American servicemembers, civilians and families from munitions and environmental hazards.

These awards include remediation of seven chemical agent contaminated sites across the U.S., remediation of toxic Aqueous Film Forming Foam from Department of Defense (DoD) installations overseas, and range clearances supporting the defense of Guam. Specific details for the three OE Directorates are outlined below.

Chemical Warfare Materiel Design Center (OEC):

Awarded \$73 million in contract obligations to investigate seven chemical agent contaminated sites across the U.S. and continued efforts on \$273 million of active on-going contracts.

Completed Aberdeen Proving Grounds, Maryland, Phase I remediation, started removal actions for Phase II and awarded Phase III (final increment). OE continued investigation at multiple sites on Redstone Arsenal and Redstone's MSFC-03 location continues to be OE's "Go To" site to understand complexities of project execution under nighttime conditions.

OE completed buried chemical munitions cleanup of Joint Base McGuire, New Jersey, bombing range and fire pit sites. OE completed investigation work for Dugway Proving Ground, Utah, site completing surface clearance and geophysics. OE finished CWM single point anomaly intrusive work and demobilized at Holloman Air Force Base, New Mexico. OE initiated contract support to Air Force and DoD customers at Edwards Air Force Base, California, and Fort Totten, Virginia.

Project managers met with the customers and stakeholders to initiate scoping of support for fiscal 2024. OE completed pre-fieldwork processing and coordination with other Federal Agencies for site investigation at Yellow Jacket, Utah.

Ordnance and Explosives Design Center (OED):

Closed fiscal 2023 by executing over 49 contract actions, obligating more than \$85.4 million in fiscal 2023 funds.

Highlights include a \$28 million award made by OEDC for the debris pile removal (munitions and PCBs) on the island of Kwajalein. The Environmental Branch along with Contracting Pre-Award branch established an Aqueous Film Forming Foam MATOC for fiscal 2024 task order awards for Army, Air Force, Coast Guard, and Marine Corps drain

and replace projects, and the OEDC continued executing MMRP work on the Big Island of Hawaii at eight Munitions Response Sites (MRSs) within the Formerly Used Defense Site, Waikoloa Maneuver Area and on the island of Culebra, Puerto Rico at six MRSs in support of Pacific Ocean Division and South Atlantic Division, respectively.

The OEDC began the year executing 128 projects with 31 of those being new task order awards. Part of successfully managed programs is closing out old task orders as they are

completed. The OE Design Center completed 37 projects in fiscal 2023. OEDC closed the fiscal year with 91 projects and total dollars managed was \$261 million with total amount obligated for fiscal 2023 was \$58.5 million.

Environmental Program (ENV): Provided dedicated project managers that manage environmental investigations at numerous DoD sites across the country and overseas.

The big effort this year was awarding a MATOC to ensure that all military services can be supported by Huntsville Center in the award of task orders at their facilities to drain and replace harmful fire-retardant substances.

In addition to AFFF projects, the branch continues to support other needs such as PFOA/PFAS investigations, NEPA requirements, industrial hygiene assessments for the



Chemical agent removal project at Redstone Arsenal.

BULLETIN FOCUS: Fiscal 2023 Year in Review

OE From Page 27

US Army Reserve and conducting studies at buildings and sites where explosives were manufactured. The

Environmental Program is expected to have a temporary spike in work over the next five years. The Environmental Program awarded three new task orders and a total of 18 contract actions in fiscal 2023 totaling \$26.9 million. The total number of projects managed for the entire Environmental Program in fiscal 2023 were 31 at \$87million.

Global Operations (OEG): Executed 40 contract actions with total obligations of \$27.9 million. Five were new contract awards, 15 modifications or options, and 20 closeouts. The five new task order awards were for OE Range Clearance (three), and Munitions and Explosives of Concern (MEC) work in Guam (two).

The two contracts for MEC work in Guam were in support of the Guam Defense System (GDS) in the INDOPACOM Area of Responsibility (AOR).

One of these customers, Missile Defense Agency (MDA) was a return customer from several years back, the other U.S. Space Force was a new customer, and to our knowledge, the first USACE contract in support of U. S. Space Force. Also awarded an option for nine months for TF SAFE which is the only project that remains in the CENTCOM AOR.

Ballistic Missile Defense Mandatory Center of Expertise (BMD MCX):

The BMD MCX established partnerships and support agreement with the Air Force Nuclear Weapon Center (AFNWC) to provide technical subject matter experts (SME) in support to the Sentinel Program.

BMD MCX assisted with the standard design of the launch facilities. The BMD MCX established partnerships with Northwestern Division (NWD) to provide missile defense SMEs over the next five years in support of the NORTHCOM/NORAD Over the Horizon Radar (OTHR) Homeland Defense for the Air Force.

The BMD MCX provided support to Missile Defense

Environmental and Munition Center of Expertise Directorate

In 2022, the Environmental and Munitions Center of Expertise (EM CX) was recertified as a Mandatory Center of Expertise (MCX). The capabilities of the EM CX are outlined in ER 10-1-50. The revalidation is good for five years.

Environmental Quality

National Environmental Policy Act (NEPA) Support to HQ Installation Management Command (IMCOM) and Deputy Chief of Staff, G-9:

The NEPA Integrator was established within the EM CX to serve as the “One Door to the Corps” central point for facilitating DCS, G-9 and IMCOM NEPA execution. The NEPA Integrator partners with USACE Geographic Districts to establish program consistency and manages program and project funding according to partner requirements. The EM CX team provides a centralized process to receive and distribute NEPA funds to USACE Districts.

The team also tracks the status of all phases of Environmental Assessments (EAs) and Environmental Impact Statements (EISs) being developed by USACE in accordance with IMCOM and G-9’s fiscal year work plans.

NEPA SMEs at the EM CX provide Quality Assurance reviews of USACE work products (e.g. Scopes of Work, draft and final EAs and EISs). Since 2018, the fiscal year work plans have increased each year and has incorporated the Army’s Weapons Modernization program for programmatic and installation specific NEPA actions.

In fiscal 2023, the team continued to focus on regular communications among NEPA customers, the EM CX NEPA Integrator team, and USACE Districts. Three one-hour virtual sessions were provided to District Project Managers to review specific roles and responsibilities of Districts and the EM CX throughout the NEPA process, including actions required prior to contract award. The team tracked NEPA data for 21 active NEPA projects (fiscal 2018 to fiscal 2022) involving 11 Districts and provided monthly updates to customers. Thirteen projects were initiated in fiscal 23 by five USACE Districts.

This required significant coordination and facilitation as the IMCOM project work plan had continuous revisions requiring making last minute assignments to meet customer needs. Completion of a DTO conducted in March 2023 to

See **EMCX**
Page 29



BULLETIN FOCUS: Fiscal 2023 Year in Review

EMCX

From Page 28

identify District in-house resources and contract capacities was key to the success of making these quick project assignments.

Throughout the year, there was EM CX representation on monthly and bi-weekly EA and EIS project team meetings with all customers. Other accomplishments included a virtual In Progress Review (IPR) meeting with IMCOM and DCS, G-9 customers, Quality Assurance reviews of approximately 35 documents, and submittal of the fiscal 2022 annual NEPA report in November 2022.

Evaluation and Assessment of Regulatory and Legislative Impact (EARLI) Support:

In support of the EARLI Program, the EM CX continued partnering with the U. S. Army Environmental Command (USAEC) to identify and assess potential impacts of evolving environmental laws and regulations. The EM CX participated in weekly meetings with USAEC to track status of actions. A Database Analyst at the EM CX developed and continued to make modifications to the EARLI database.

EM CX Subject Matter Experts regularly populated the EARLI database by reviewing daily Federal Registers to identify regulatory actions, assessing the significance level, and entering summaries of those actions within the EARLI database. EM CX Office of Counsel similarly tracked proposed environmental laws. The information was then transfer via EARLI to the USAEC for further analysis including number of IMCOM installations expected to be impacted and the costs of compliance.

The outcome of the process included Fact Sheets to inform stakeholders so compliance costs could be included within budgets requests.

Enterprise Environmental Safety and Occupational Health Management Information System (EESOH- MIS) Support to HQDA G4 and IMCOM:

The EM CX has led a USACE team to assist G-4 in implementation of EESOH-MIS to track and manage hazardous materials (HM) and hazardous wastes at Army installations.

By implementing EESOH-MIS and training staff to use it, Garrisons are positioned to retrieve data to meet environmental reporting requirements. The EM CX has also supported EESOH-MIS management at previously implemented installations. In fiscal 2023, EM CX support

was paused in November 2022 due to a lack of funding from G4. Funding was received in September 2023 and program support by the EM CX will restart in fiscal 2024 to include implementation and management of EESOH-MIS at Army installations.

IMCOM training. The EM CX provided several environmental trainings to Active Army installations in fiscal 2023.

- Emergency Planning and Community Right-to-Know Act Training, in February and May 2023.
- Initial Hazardous Waste Manifest/DOT Certification Training, August 2023
- Resource Conservation and Recovery Act (RCRA) Complete Training, June 2023
- RCRA Refresher Training, May 2023
- Hazardous Waste Manifest/DOT Recertification Training, April 2023

Civil Works

Environmental Liability Reporting Support: On behalf of HQ USACE, the EM CX continued to prepare the Non-FUSRAP Environmental Liability (EL) Reports for Civil Works. This involved issuing quarterly data calls on behalf of HQ USACE, reviewing and compiling data for accuracy and completeness, coordinating with HQ USACE Resource Management staff, and participating in the annual audit of the data. EM CX actions assist HQ USACE in preparation of the USACE Financial Statement which reports contingent liabilities as required by the Chief Financial Officers Act of 1990 and which is reported annually to Congress.

In fiscal 2023, the EM CX participated in an external environmental compliance multi-media inspection of the Washington Aqueduct facilities.

Environmental Compliance Support: The EM CX regularly provided environmental compliance support, technical review and technical assistance to the Civil Works Environmental Compliance Coordinator sub- Environmental Community of Practice (ECC Sub-eCoP). Other specific fiscal 2023 actions included providing PDT assistance and training for Time Critical and Non Time Critical Removal Actions at Kaukauna. The EM CX also supported development of a Real Estate Design Memorandum in preparation for an

**See EMCX
Page 30**

BULLETIN FOCUS: Fiscal 2023 Year in Review

EMCX From Page 29

Emsworth Real Estate Acquisition as required by ER 1165-2-132.

EPA Superfund

Superfund Program Support: Serving a USACE-wide role for processing funds and scopes for interagency support to the EPA Superfund program, the EM CX distributed more than \$923 million to USACE districts in fiscal 2023.

These annual distributions represent a large increase from prior years. The EM CX has played a significant role in implementing the systems and controls for Interagency Agreements necessitated by a USACE-EPA Memorandum of Agreement signed in December 2016. The CX developed a new database to process and store the Interagency Agreements in line with USACE software operating updates. The EM CX supported a transition in funding agreements to 7600A/Bs and participated in a USACE pilot test within G-invoicing. The CX established a new monthly bill reporting website to increase efficacy and recording keeping for monthly bills and reconciliation between the districts and EPA regions. EPA relied heavily on USACE districts to support the RD/RA field efforts and the EM CX processed all those agreement in fiscal 2023.



Superfund site in Massachusetts.

Formerly Utilized Sites Remedial Action Program (FUSRAP)

FUSRAP Support

The EM CX continued to support the FUSRAP program by providing Quality Assurance Technical review for district level project in MVS, NAN, NAB, and LRB. Fiscal 2023 included a major effort to continue the rewrite of the FUSRAP ER 200-1-1, finalization is planned for fiscal 2024.

Defense and State Memorandum of Agreement (DSMOA)

The DSMOA team was extremely busy in fiscal 2023 with the Cooperative Agreement (CA) for 20-22 still open and CA for 22-24 being execute and initiating the next CA for 24-26 getting started.

One hundred seventy-six modifications to CA 20-22 and 22-24 were issued obligating a total of \$27,592,717 million to date for the current agreements. The 24-26 Cooperative Agreement (CA) cycle was initiated. CA development is a year-long process divided into six critical steps (the Six Step Process). Each step is a coordinated effort between DoD and

State Regulators and facilitated by the DSMOA team which results in Joint Execution Plans, state budget development, and setting up program funding.

The annual funding review of the 22-24 CA was completed in Fiscal 2023. This resulted in pulling back funds and placing additional funds to each state agreement based upon analyzing feedback of state and DoD component responses from the review.

In fiscal 2023, the DSMOA team provided additional reporting and support to get data into the CLIC dashboard for HQ Program Manager. A DSMOA Obligations Report was developed and provided the FISCAL 2023 Obligations for each Component, the OSD Steering, and MRD Committees. DSMOA Disbursements Report provided the rollup of disbursements at the state and component funding levels. DSMOA obligated a total of \$27,592,717.60 and disbursed a total of \$42,502,077 million for fiscal 2023. In addition, the Team also submitted the fiscal 2023 DSMOA End of Year Execution Report. The report included the following DSMOA program requirements: planned received, planned obligated, actual received, actual obligated and FISCAL 2023 ending carryover.

Furthermore, a new HQ USACE reporting tool was developed using EDW to support the Annual Report to Congress (ARC). This tool has greatly enhanced the efficiency and accuracy of the ARC obligations and reimbursements financial data. The DSMOA team had to mitigate a large turn over within the DSMOA community.

See EMCX
Page 31



BULLETIN FOCUS: Fiscal 2023 Year in Review

EMCX From Page 30

Approximately 240 new DSMOA Community members registered during fiscal 2023 for DSMOA portal accounts.

This required a lot more training, so the team delivered seven training sessions for CA24-26 JEP development (scheduled and ad hoc) to approximately 406 DSMOA Community members. Feedback from the DSMOA community was reflected positively in the 36 ICE customer surveys submitted. In addition, the DSMOA team participated in the 2023 National FUDS Forum in Pittsburgh, Pennsylvania.

Three 90-minute presentations titled “How Do I Make DSMOA Work for Me?” were delivered over a two-day period. The sessions provided DSMOA program comprehensive training to approximately 70 forum attendees representing state regulators, HQ USACE, Office of Counsel, and FUDS project managers and the Environmental Protection Agency.

Topics included program history, intent, status, and execution focusing primarily on cooperative agreement development through the Six Step Process, joint execution plan development, and portal functionality and navigation.

The DSMOA Team also provided additional hands-on, interactive DSMOA portal demonstrations throughout the entire event, actively engaging attendees and addressing DSMOA portal account issues and questions in real time. To further enhance relationships and ensure an understanding of the program the DSMOA team participated in multiple meetings to brief the DoD Components and key project managers on the execution and status of the DSMOA Program. During the discussion each EM CX DSMOA team member provided an in-depth description on their functional role and primary duties.

This effort undeniably improved DSMOA program execution. Most of the DoD individuals participating in these meetings had been recently assigned to the program (within one year) and were unfamiliar with DSMOA program objectives and processes. Communicating directly with each DoD component allowed the DSMOA team to learn not only their perspectives but provided valuable insights on their internal processes and issues.

Ultimately, these meetings kept the components informed and engaged, and built trust which strengthened existing relationships and created new ones, further enhancing overall program implementation.

Outreach the team provided were briefings at Air Force

Tier II and III Partnering Meeting for EPA regions 4, 5, and 10. These meetings are attended by EPA, REEO-S, Navy, Army, Air Force, and National Guard, and multiple states.

Participating in partnership meetings provides an opportunity to better understand the DSMOA Community as a whole and strengthens existing relationships within the environmental community on the state and federal level. Along with working directly with states and components in the background the DSMOA Automation Team successfully implemented a continuous modernization policy for the DSMOA Portal infrastructure in fiscal 2023.

The DSMOA portal database and application code were migrated to new Microsoft 2019 servers. This modernization of the server infrastructure will enhance the security posture of the DSMOA portal.

The DSMOA Portal functionality was improved by installing a Close Out Report screen for use by the entire DSMOA team during the close out of a CA period. This new process will improve coordination between the DSMOA State Managers, DSMOA State Financial Managers, and the Grant Officers. The screen allows all DSMOA team members to have an instant picture of the close out status of the CA period.

The JEP Update process has been rewritten to optimize the JEP sort process for selecting a user's JEPS for display. The new process reduces the complexity of the JEP Update selection process from 10 selects to two selects. State performance reports were successfully completed for Year One of CA 22-24 ahead on schedule.

Army Base Realignment and Closure (BRAC):

Environmental Services Cooperative Agreements (ESCA) Support:

The EM CX obligated \$358,396 in cooperative agreements to two different Local Reuse Authorities, through the ESCA program on behalf of the HQ Army Base Realignment and Closure (BRAC) office. The EM CX and Contracting Directorates managed 11 environmental cleanup cooperative agreements with nine different Local Reuse Authorities totaling more than \$550 million.

These are non-expiring funds, and the terms of the grant may take up to 30 years to complete. During fiscal 2023, the EM CX and Contracting Directorates successfully closed

See EMCX

Page 32

BULLETIN FOCUS: Fiscal 2023 Year in Review

EMCX From Page 31

out one ESCA and is currently supporting the creation of a new ESCA deemed beneficial to the local community and government.

The purpose of the ESCA program is to facilitate a more rapid transfer of the BRAC portions of federal facilities to the Local Reuse Authority. Section 334 of the National Defense Authorization Act for Fiscal year 1997 amended CERCLA to allow contaminated federal property to be transferred to private parties before all remedial action has been completed. Section 334 Early Transfer Authority allows for the transfer of contaminated federal property prior to the completion of the CERCLA 120(h) cleanup requirements and thereby expedites the reuse of former defense facilities by local communities.

The ESCA will vest increased control and responsibilities for completing the environmental remediation with local governmental entities, utilizing the funding provided by the United States.

Interstate Technology and Regulatory Council (ITRC)

The EM CX served as a Federal Liaison to the Interstate Technology and Regulatory Council (ITRC) ensuring USACE input on priorities for consideration in Technical Team development and activity. In addition to participation on monthly Advisory Board meetings, the Federal Liaison identified and promoted participation of EM CX Subject Matter Experts (SMEs) on ITRC teams and coordinates external review of ITRC draft documents.

For fiscal 2023, the EM CX provided SMEs to participate on the PFAS, Contaminants of Emerging Concern, Passive Sampling Technology Update, Sediment Cap Guidance, and Environmental Data Management Teams.

The EM CX SMEs also reviewed the following draft guidance documents: Tire Anti-Degradant (6PPD) Focus Sheet, Contaminants of Emerging Concern Work Products, Ethylene Oxide Guidance Document, Managed Aquifer Recharge Technical and Regulatory Guidance Document, PFAS Guidance Document, Performance-Based Optimization of Pump and Treat Systems Guidance Document, and Sediment Cap Chemical Isolation Guidance: Design, Construction, and Monitoring Approach.

The EM CX, alongside Huntsville Center Contracting, executed and managed the ITRC Cooperative Agreement on behalf of the Office of the Secretary of Defense (OSD).

Five cost-sharing components (OSD, SERDP, Army, Air Force, and Navy) provide \$142,500 each, annually, to the EM CX to support the ITRC CA with Environmental Research Institute of the States, Inc. (ERIS). In addition to drafting the guidance documents on the technical topics listed above, ERIS, through ITRC, organized environmental training courses for DoD staff on those topics.

Remedial Action Cost Engineering Requirements (RACER)/Re-engineered Parametric Environmental Estimating System (EEI) software:

During fiscal 2023, the team modified one task order to add pricing for cost items which were not in compliance with Army guidance of a five-year limit on escalation of costs. This modification extended the deployment date for TO-4 (RACER 11.9) to November, 2023, and ensured PFAS analytical costs would be included in this RACER deployment.

The team also completed three additional contract actions, including: the next Option Year (#3) for Sustainment of RACER; TO-5 for re-pricing all the HTW Cost items needed by RACER that are not included in the other approved cost files; and TO-6 to begin addressing additional Legacy Defects in preparation for development of RACER 11.10.

Development of EEI by ERDC was monitored and continued until August 2023. Following an ERDC presentation of the new, cloud-based program framework (including one technical model), the members of the EECOP Steering Committee made a unanimous decision to stop work on EEI for several reasons.

The EMCX team accomplished an orderly, professional, shutdown of the work while retaining a positive relationship with the ERDC project managers. The path forward for modernization of RACER will be discussed and decided by the steering committee members during fiscal 2024.

Formerly Used Defense Sites (FUDS)

Formerly Used Defense Sites (FUDS) Program Support

The EM CX provides technical support to HQ USACE, divisions and districts. Below are a few of our significant contributions in fiscal 2023.

■ **EPIC Groundwater Initiative.** HQ USACE and the EM

See **EMCX**
Page 33



BULLETIN FOCUS: Fiscal 2023 Year in Review

EMCX From Page 32

CX developed updates on the complex groundwater initiative and transformed it into the Environmental Projects Involving Complex hydrogeology and Groundwater (EPIC GW) initiative in fiscal 2022.

The initiative involves providing more formal and informal technical support and interaction to Districts. An example of a formal interaction is an Alternatives Panel, which involves District PTD members, their support contractor, and EM CX SMEs in a facilitated discussion of the current conceptual site model, exposure pathways, potential remedial action objectives and remedial approaches that should be considered and evaluated in the Feasibility Study report.

Informal support can be provided through one-on-one interactions or a more robust Project Focused Reviews, requested by the District to discuss the project status and potential issues impeding progress toward meeting remedial goals.

In fiscal 2023, nine alternative panels were conducted, and 12 Focused Reviews were completed. Optimization studies (Remediation Systems Evaluations) are another example of a more formal technical report evaluating current project activities and provides recommendations for consideration to improve or enhance the project.

RSEs were developed for three FUDS sites in fiscal 2023. The team has also rebranded the HTRW Innovate Technology Advocate program, now calling it the Advocacy and Tech Transfer component of EPIC GW. The focus is on FUDS specific technical applications and lessons learned and sharing this information through brown bags or Webex presentations.

The EPIC GW initiative resulted in increased communication and has improved technical approaches positively impacting projects, propelling them forward with an emphasis on reducing overall risk and achieving FUDS Goal #1.

■Cost to Complete Process

The EM CX supports the FUDS Program with development of cost to complete estimates for the federally mandated reporting of Environmental Liabilities (ELs). Cost to Complete (CTC) estimates are prepared for approved Formerly Used Defense Site (FUDS) projects that have future costs and that have not reached project completion. There were 1,762 CTC estimates developed in FISCAL 2023 that totaled \$11 million.

Forty-eight of these CTC estimates were developed by the EM CX. In addition, the EM CX coordinated with

the 13 FUDS districts to ensure completion of the 822 District CTC estimates. The other 892 CTC estimates were index assigned and used the prior year CTC estimate with an escalation factor applied to bring the prior year costs to current year dollars.

After the CTC estimates were uploaded to FUDSMIS and reviewed by the districts, the EM CX completed a detailed quality assurance (QA) review of 175 CTC

estimates. The detailed QA review pass rate was 38%, and the EM CX communicated all findings with the estimators and district reviewers to ensure identified issues were corrected.

To summarize the fiscal 2023 CTC process, and to initiate discussion with the districts on what worked well and what could be improved, the EM CX prepared a CTC After Action Report and hosted an after-action meeting.

■Environmental Liabilities Audit

During the fiscal 2023 CTC Audit, one FUDS sample was selected for a walk through with the auditors to explain how FUDS CTC estimates are prepared and reviewed.

The EM CX led a pre-walk through with the district to ensure the anticipated topics and material were understood, and to provide guidance to the district on how to communicate with the auditors. No other samples were requested for the fiscal 2023 audit. The EM CX prepared a final QC report and provided it to HQ USACE and Army G-9 by the due date.



Technicians use electromagnetic metal detector at FUDS site.

**See EMCX
Page 34**

BULLETIN FOCUS: Fiscal 2023 Year in Review

EMCX

From Page 33

This report documented reviews completed by the EM CX during the fiscal 2023 CTC process, including third and fourth quarter population reviews and Retrospective Reviews.

During the population reviews, the EM CX checks to ensure that all projects added to the CTC population have appropriate eligibility documentation and that all projects removed from the CTC population have appropriate closeout documentation. For fiscal 2023, eligibility and closure documentation were reviewed for a total of 25 added projects and a total of 22 removed projects.

The EM CX coordinated with the FUDS Districts to ensure retrospective reviews were completed on new contracts or task orders over \$250,000. A total of 59 retrospective reviews were completed in fiscal 2023 and documented in the final QC report.

■Completeness. As part of the FUDS Environmental Liabilities Audit, a Notice of Finding and Recommendation (NFR) was issued to Army relative to the completeness of documentation to support the population of FUDS.

This deficiency in findings regarding eligibility documentation presents a risk that FUDS Program environmental and disposal liability may be under-represented. The Completeness PDT which includes several representatives from the EM CX is executing HQ plan to address the completeness issue.

In fiscal 2023, the team completed research and checklists on 2,220 Eligible properties without projects, 790 Ineligible properties, 706 Duplicate Properties and 119 Categorical exclusions.

They also completed testing of 107 properties and associated projects to finalize the Eligible properties with projects checklist and the approved project checklist. Since finalization of those lists, they have completed 83 Eligible properties with projects and 202 Approved projects. In addition, the EM CX completed independent technical for 162 Findings and Determination of Eligibility (FDE) documents for properties that were missing this vital documentation.

■MMRP Innovative Technology Initiatives. During fiscal 2023, several tasks were either continued or initiated to advocate for and increase the use of new and innovative technologies for munitions response.

These tasks focus on objectives that promote or facilitate the use of innovative technology on munitions response

projects. The Military Munitions Geophysics Group (M2G2) met monthly and shared information regarding work performed on MMRP projects, lessons learned, updates on the status of Advanced Geophysical Classification (AGC). On a quarterly basis M2G2 incorporated the National Association of Ordnance Contractors (NAOC) to further disseminate lessons learned throughout the industry. M2G2 also provided opportunities for professional representation and attendance at industry conferences and symposiums such as the Symposium on the Application of Geophysics to Engineering and Environmental Problems (SAGEEP).

In addition to M2G2, the EM CX provided mentoring to USACE geophysicists and established a repository for ITAs to upload AGC-related Root Cause Analysis and Corrective Actions to help ensure consistency and identify trends related to common failures.

The EM CX also produced the Draft AGC Mentoring Program, which outlines the certification process for USACE Munitions Response Geophysicists to ensure that USACE retains the in-house expertise and proficiency in AGC. In fiscal 2023, training included standard FUDS courses as well as training on UX-Analyze, a commercially available AGC processing software. Root Cause Analysis training and Munitions Response Quality Assurance Project Plan (MR-QAPP Module 2) training were also provided in coordination with the Environmental Data Quality Workgroup (EDQW).

■Independent Technical Review. The EM CX not only completed 467 document reviews along with 368 response to comments on those documents. The EM CX took a deep dive into the ITR Process and began to incorporate improvements and started the development of a new comment tracking system that will allow analytics of the data that come for our technical comments. Along with the document reviews, the EM CX reviewed 198 MRSPP scores with 134 response to comments on those scores. Additionally, 40 RRSEs were reviewed.

■Training Program. Ninety-two training sessions that addressed 71 FUDS-specific training courses were delivered during fiscal 2023. The sessions were comprised of 16 on-site courses, five virtual courses (which are on site courses that have been transitioned to web-based courses), and 71 net training courses. The total attendance for fiscal 2023 was 1644.

In addition, the EM CX produced video training files to

See **EMCX**
Page 35



BULLETIN FOCUS: Fiscal 2023 Year in Review

EMCX From Page 34

accommodate students that could not make the specific training session or wanted to reference information. The EM CX will continue to evaluate the various types of training methods to deliver the needed information to the FUDS community.

FUDS training sessions received high marks with ratings ranging from 3.6 to 5 (the rating scale is 1 to 5 with 5 being “Excellent” and 1 being “Very Poor”). Students had the opportunity to submit evaluations for up to two weeks following each session.

In fiscal 2023, the average rating was 4.3. Forty-one percent of the students attending FUDS training sessions submitted evaluations. The EM CX continues to learn from executing the vital training needed for the FUDS community to meet the program metrics. We will continue to deliver high quality and necessary training in coordination with HQ USACE.

Geophysical Database

In fiscal 2023, a task order was awarded to perform discovery, design, and build a centralized, standardized, secure data repository for geophysical data collected under the FUDS MMRP.

Defense department and FUDS policy requires the collection of geo-referenced digital geophysical data wherever practicable; however, the FUDS program does not presently have a method to archive that digital data, which exceeds 10 terabytes of new data per year.

During the discovery phase of the task order, the contractor will work with the EM CX and other stakeholders across the FUDS program to evaluate workflows, data and reporting needs, solutions available within USACE Corpnet, and larger USACE cloud migration plans to determine the best solution for the FUDS geophysical data repository needs. The contract includes optional CLINs to design, build, and test the solution, as well as train USACE personnel on the built data repository.

Munitions Response Dialogue.

The EM CX provides support to the MRD, a joint DoD, EPA and State forum that discusses current events and lessons learned in the Military Munitions Response Program. Specifically, the EM CX is leading revisions to the Risk Management Methodology, a risk assessment tool created by EM CX staff, and which has gained popularity among

Navy and Air Force components as well as EPA and state regulators.

Explosives Safety.

The EM CX reviewed 38 Explosives Site Plans (ESP), Explosives Safety Submissions (ESS), Chemical Safety Submissions (CSS) and Chemical Site Plans (CSP) for munitions clean up investigations for the FUDS Program, BRAC program, Army Environmental Command MMRP, Air Force MMRP and National Guard Bureau MMRP. The EM CX also approved 26 such plans fiscal 2023.

The EM CX is the Direct Reporting Unit (DRU) for all FUDS ESP, CSP, CSS and ESS, which means the EM CX has signatory authority to submit these plans to the U.S. Army Technical Center of Expertise for Explosives Safety for formal Army and DOD Department of Explosives Safety Board approval on behalf of all FUDS project managers.

The EM CX’s review and submission process resulted in an estimated \$675,000 annual savings to the DOD’s environmental cleanup program through expedited review schedules.

DOD Advanced Geophysical Classification Accreditation Program Support

The EM CX role in the program is as lead and technical (geophysics) support to the Environmental Data Quality Workgroup (EDQW) AGC accreditation subgroup that established and oversees the program on behalf of DoD.

There are currently 15 Geophysical Classification Organizations (GCO) in the program. In fiscal 2023, eight Geophysical Classification Organizations (GCO) were re-accredited for an additional two-year period using a synthetic test site, three new hardware (UltraTEM Screener, APEX, and MPV) technologies were validated and multiple software updates were validated.

All program requirements and accreditation/validation lists are made available to the public on DENIX. The program will continue to issue accreditation and reaccreditation of GCOs (frequency of reaccreditation is every two years) into the future based on a resource commitment from the DOD component services through fiscal 26.

See **EMCX**
Page 36

BULLETIN FOCUS: Fiscal 2023 Year in Review

EMCX

From Page 35

Army Environmental Command

Active Army Five-Year/Periodic Review Management

The EM CX continued to help execution of Five- Year and Periodic Reviews for the Army Environmental Command by performing Quality Assurance reviews of documents produced by USACE Districts or through District contractors.

The fiscal 2023 Five- Year/Periodic Review budget executed was \$155,617, which included one CERCLA NPL 5YRs, five CERCLA non-NPL 5YR, eight Periodic Reviews, and one Five-Year Corrective Measures Performance Evaluation.

The EM CX coordinated a Five-Year Review Workshop for Army contractors in June 2023. The workshop was highly received resulting in a request to make this a yearly occurrence.

Active Army Training

The EM CX provided HTRW and MMRP Training to Active Army installations in FISCAL 2023.

- CERCLA/RCRA Training, May 2023
- RCRA Complete Training, May 2023
- Risk Management Methodology, Jan 2023
- Munitions Response Site Prioritization Protocol, Jan 2023, and Jun 2023
- MMRP 101, Mar 2023
- MMRP 201, Aug 2023

Active Army Recognize, Retreat, Report (3Rs) Program

The EM CX manages the 3Rs Program on behalf of Active Army. The Army's 3Rs Program and its core message are the basis for education programs informing our soldiers, their families, the civilian workforce at Army Installations, and the public of the potential hazards associated with munitions that may be present on or near Army Installations. Meetings, including Train the Trainer, Fact Finding and Follow-Ups and Outreach were conducted at 18 DoD installations during fiscal 2023.

Active Army MRSPP Project Support

The EM CX provided 73 Quality Control Reviews of Active Army MRSPPs for submission to the Army MRSPP Quality Assurance Panel during fiscal 2023. The Quality Control ensures the MRSPP worksheets are ready for

submission to the Army's Quality Assurance Panel.

Army National Guard (ARNG)

The EM CX provided an annual clean-up course along with several webinars to ARNG personnel. The EM CX also provided 72 Quality Control Reviews of ARNG MRSPPs for submission to the Army MRSPP Quality Assurance Panel during fiscal 2023.

Deactivated Nuclear Power Plant Program (DNPPP) Support

The EM CX DNPPP team participated in the active decommissioning & dismantlement of the Deactivated SM-1 Nuclear Power Plant, at Fort Belvoir, Virginia.

Completion of the document allows the decommissioning of the SM-1A power plant to move forward. The EM CX DNPPP team participated in development and finalization of congressionally mandated Environmental Liabilities Reporting (Cost to Complete) for the Decommissioning of the SM-1 Reactor at Fort Belvoir, Virginia, and the SM-1A Reactor in Fort Greely, Alaska.

Support For Others

Per- and Polyfluoroalkyl Substances (PFAS) Support

The EM CX provided independent technical review document review in accordance with the USACE Commanding General's Daily Tasking Order to review all draft documents involving PFAS. A total of 397 documents were reviewed. The EM CX also instituted a monthly PFAS webinar bringing technical presentations and discussions applicable to PFAS to the enterprise.

The EMCX began support to Army Installation Management Command (IMCOM) G4 for drinking water systems that may be impacted by the proposed national regulation of Per- and Polyfluoroalkyl Substances (PFAS) in drinking water.

EM CX staff hosted the 2023 USACE PFAS Workshop, internal to USACE staff, planned and executed by the HQ PFAS Integrator and USACE EM CX. It was designed to bring synergy and attention to the PFAS technical expertise within USACE, bring subcommunities together to discuss details, and build collaborations of members across the enterprise, and involve HQ USACE and Districts to discuss their participation in PFAS projects and share knowledge via breakout sessions, panel discussions, and presentations.

See **EMCX**
Page 37



BULLETIN FOCUS: Fiscal 2023 Year in Review

EMCX **From Page 36**

The 2023 USACE PFAS Workshop had 80 in-person attendees and 100 virtual attendees. The EM CX staff supported meeting logistics; prepared and gave technical presentations; served as panelists on panel discussions; and hosted the breakout sessions along with invited ERDC co-hosts.

Environmental Training

In fiscal 2023, the EM CX instructed training in support of FUDS, PROSPECT, IMCOM, AEC, the Army National Guard, New Hampshire Army National Guard, and others. Over 70 different courses were instructed to over 1,800 USACE and DoD personnel.

One-hundred-three sessions were instructed using virtual/web-based training. The EM CX provides vital information through environmental courses related to a variety of topics including environmental laws and regulations, military munitions response, construction oversight, program policy, remediation technologies, hazardous waste management and manifesting, and the CERCLA and RCRA Remediation Processes.

PROSPECT Training

The EM CX taught six environmental courses for the USACE Learning Center (ULC) in fiscal 2023. The courses were: Environmental Laws and Regulations Training; Initial Hazardous Waste Manifest/DOT Certification Training; Resource Conservation and Recovery Act (RCRA) Complete Training; CERCLA/RCRA Training; Hazardous Waste Manifest/DOT Recertification Training, and Radioactive Waste Transport/DOT Recertification Training.

USACE Radiation Safety Staff Officer

By letter appointment in 2006 (with reappointment in 2016), from the HQ USACE Chief of Safety and Occupational Health, HNC EM CX staff serves the USACE role as Radiation Safety Staff Officer (RSSO), and is assigned responsibility and active management of the Corps' Radiation Safety Program.

In that role the EM CX senior Health Physicist RSSO manages all aspects of the Corps Radiation Safety Program, including setting policy, representing USACE on DOD and Army committees and workgroups for radiation safety and environmental cleanup and decommissioning,

leading the Corps' Radiation Safety Support Team, issuing Army Radiation Authorizations (ARAs) for possession of radioactive material, as well as being responsible for all required radiation safety audits which have maintained all USACE Nuclear Regulatory Commission (NRC) licenses and ARAs compliant.

The RSSO supports the USACE emergency response mission, participating in nuclear detonation exercises. The RSSO prepared decommissioning cost estimates in FY20 for the Corps' NRC licenses as identified in the Army's contingent liability database and to be reported to Congress in the Army's Financial Statement.

The RSSO also serves as a radon subject matter expert for the Army.

Environmental Data Management

The EM CX supported the Army's Yakima Training Center through contract and technical support on a pilot program for use of an environmental data management system.

This EDMS is a centrally managed database that houses all sampling data plans and results to better manage and support environmental decisions regarding human health and ecological risk.

Environmental Data Quality

The EM CX with representatives from Army, Navy, Air Force, DoE, and DLA, supported the Environmental Data Quality Workgroup's (EDQW) mission to develop DoD policy pertaining to environmental sampling, laboratory testing operations, and data quality.

The workgroup maintains and has oversight of the DoD Environmental Laboratory Accreditation Program (ELAP). Additionally, the EDQW publishes guidance documents such as Data Validation Guidelines, PFAS sampling and analysis guidance, etc.

The DoD representatives on the Intergovernmental Data Quality Task Force (IDQTF) are from the EDQW. This effort supports the update to the Data Validation Guidelines in conformance with QSM 6 revisions, published data usability guidelines with the IDQTF, and hosted various training webinars.

About Huntsville Center

HNC

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Huntsville Center provides innovative engineering solutions to complex, global missions. Our team of professionals engineer adaptive, specialized solutions across a broad spectrum of global enterprise covering five main lines of effort: Energy, Operational Technology, Environmental, Medical, and Base Operations and Facilities. Our portfolios comprise 43 program areas, as well as nine mandatory and six technical centers of expertise, and 17 centers of standardization. Through partnership with Department of Defense agencies, private industry and global stakeholders, we deliver leading edge engineering solutions in support of national interests around the globe.

FY2023 40+ Programs
8 Mandatory Centers of Expertise,
6 Technical Centers of Expertise
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In fiscal 2022, Huntsville Center awarded contract actions totaling more than \$2.5 billion in obligations for its stakeholders.



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