US Army Corps of Engineers®

Huntsville Center

Bulletin

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Mark your calendar ...

New Year's Day Federal Holiday
- Jan. 2

Martin Luther King Jr. Holiday Celebration
- Jan. 12, 10 a.m. in the Huntsville Center cafeteria

Martin Luther King Jr. Federal Holiday
- Jan. 16

On the inside ...

Secretary Hammack visit
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- Page 10

Photo by David Groell

Chester McChesney, EOTI SUXOS, inspects as the set up for the final shot takes place.

Ordnance mission ends

By Debra Valine
Public Affairs Office

At one time, it would have been easy to call Iraq the most dangerous place on Earth. Years of war and slipshod munitions accountability during the Saddam Hussein regime had turned the country into a thicket of unexploded ordnance.

But that danger has ended, thanks to an ordnance disposal program that has now itself ended.

Nearly nine years after the U.S. Army requested ordnance support, the Ordnance and Explosives Directorate in the Huntsville Center ended its munitions disposal mission in Iraq.

The Coalition Munitions Disposal mission was completed Nov. 12, at the direction of the Army.

CMD stood up Nov. 21, 2008, replacing the Coalition Munitions Clearance mission that had mobile teams conducting ordnance clearance and disposal missions all over Iraq.

"The CMD mission was a static operation, in that all munitions were delivered to a centralized disposal point at forward operating base (FOB) Hammer where the actual disposal occurred," said Bill Sargent, chief of the International Operations Division.

"Complete demobilization from the site was completed Nov. 12, however, the last demolition shot was executed Oct. 24."

A "shot" is a controlled demolition where explosives are rigged to destroy a parcel of unexploded ordnance.

Preliminary numbers show that 3,731 tons of unserviceable ammunition, 479 tons of enemy remnants of war and 214 tons of munitions belonging to the United Kingdom were destroyed, totaling more than 4,400 tons combined. Also destroyed in the demolition shots were weapons, other sensitive

See *ORDNANCE* on page 5

Commander's thoughts

Col. Nello L. Tortora

Team,

It's been a very busy year for us. Thank you for all the hard work you've been doing. You are what makes Huntsville Center great! I'm looking forward to 2012.

We had our holiday town hall a couple of weeks ago. We presented a representative toy to the Marines for Toys for Tots and awards for the various events planned by the Activities Association. Let's thank our great Huntsville Activities Association for all the hard work that went into planning this week of celebration.

At the town hall, I discussed our new Strategic Plan, which emphasizes the five lines of effort we will be concentrating on this coming year:

Line of Effort # 1: *"Consistently Provide High Quality Services and Products"*
Champion Pat Haas

Line of Effort # 2: *"Continual Two-Way Communication with Stakeholders in an Open and Honest Manner"*
Champion Boyce Ross

Line of Effort # 3: *"Effective Utilization of our Recognized Technical Expertise to Provide a Higher Standard of Value than Expected"*
Champion Mike Hubbard

Line of Effort # 4: *"Being the Organization of Choice by Current and Potential Employees"*
Champion George Foozer

Line of Effort # 5: *"Lead with Innovative Acquisition Tools "*
Champion Margaret Simmons

Please review the 2012 Strategic Plan on the Web at: https://hnc-ws-intra/.

Scroll down the home page to the image to access the Strategic Plan.

Related to our campaign strategy, we had a great visit from the Honorable Ms. Katherine Hammack so we could give her an overview of everything we do at the Center and focus on the great energy initiatives and support of the Army energy goals. I emphasized to Ms. Hammack the four things we are very passionate about: our technical expertise, our ability to develop large and specialized acquisition tools for our customers, our ability to deliver services worldwide with our program and project management, and lastly, our focus on continuous improvement and innovation to raise the bar in response to our customers' needs and always looking to add value to their mission accomplishment.

Ms. Hammack said she greatly appreciated the work we are doing to support Net Zero and reminded us to incorporate and emphasize energy reduction and sustainability in all our energy programs. She said that declining budgets and fiscal constraints encourage innovation. And here at Huntsville Center, that is what we are all about.

Along those lines, our Energy Division has been very busy. We're ending the year with two major Energy Savings Performance Contracting awards: one at Fort Bliss, Texas, awarded Dec. 16 and another at White Sands Missile Range, N.M., that was awarded Dec. 22.

At Fort Bliss, we'll be installing a 1.35 megawatt solar photovoltaic system, along with a couple of smaller systems. The nearly $16 million task order with equipment and energy services was awarded to Johnson Controls. It is the first project using an energy services agreement, and supports President Barack Obama's directive to use ESPC to make $2 billion worth of energy efficiency upgrades over the next two years.

See *COMMANDER* on page 3

Hails and farewells

Hail: **Nathan Taylor**, **Lisa Hendrix**, **Thomas Cohick**, Center Contracting Directorate; **Brenda McHargue**, Chemical Demilitarization (Bluegrass); **Wesley Malone**, Installation Support and Programs Management; **Thomas Weeks**, **Jason Birchfield**, Ordnance and Explosives Directorate

Farewell: **Mike Alexander**, CT; **Debra Hendry**, Engineering Directorate; **Michael Pate**, OD

US Army Corps of Engineers®

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BULLETIN

Commander..... *Col. Nello Tortora*
Chief, Public Affairs..... *Debra Valine*
Editor..... *William S. Farrow*

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The Bulletin asks:

"What are your New Year's resolutions for professional development?"

"To take advantage of every on-line courses and off-site training opportunities offered at Huntsville Center whenever possible. Since I'm also retiring from the Marine Corps soon, I have to develop professionally on many levels. This will involve taking on the duties of my new job, adjusting to becoming a part of the civilian workforce, and learning the Army culture. I definitely intend to tap into every resource available to me."

Nicole Boone
Small Business Office

"As a recent college graduate, I'm excited to begin developing my career path. Since I am new to the contracting field, I plan to take the necessary training to become Level I and Level II – certified in the acquisition field. Afterwards, I'd like to take courses toward a master's degree. This internship is a great opportunity for me to learn from the best."

Brittney Estola
Center Contracting

As I begin the New Year, I strive to find a mentor that does not mind taking me under their wing to help me become an elite contracting professional. I will also seek out mentoring opportunities from among the many highly motivated, competent, and upwardly mobile employees in my section. I strive to find a mentor that does not mind taking me under their wing to help me become an elite contracting professional."

Darrell Walker
Center Contracting

COMMANDER

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The $16.8 million WSMR ESPC task order was awarded to Siemens, Reston Va. The White Sands project includes a 4.5 MW solar PV array and associated control/monitoring systems and metering systems.

The Combined Federal Campaign ended with Center employees pledging $86,961.67, which exceeded our goal of $75,000. Thank you to all who made a donation to the campaign. It all goes to very worthwhile causes.

We'll have our Dr. Martin Luther King Jr. observance Jan. 12, at 10 a.m. in the cafeteria. Dr. O. Wendell Davis, pastor of the Union Chapel Missionary Baptist Church, will be the guest speaker.

As we head into the winter months, please take the time to make sure your vehicle is in top working order and that you have a few days worth of supplies on hand at home. We never know when we may get an ice event. It's best to be prepared.

Thanks for all you do each day to make Huntsville Center great, and for your efforts in support of our great nation.

Employee Spotlight: James Bongers

By JoAnita Miley
Public Affairs Office

Courtesy photo

Bongers

Where do you work and what is your job title? I am the supervisory civil engineer and chief of the Quality Assurance Branch at the Pueblo Resident Office at the Pueblo Chemical Agent Disposal Pilot Plant in Pueblo, Colo.

How long have you worked for the Corps? I have worked for the Corps for 33 years. I was hired as a co-op student in Walla Walla District, Wash., in 1978. I have also worked at the Honolulu, Sacramento and Alaska districts.

In your own words, what is your job? What do you do? My job is to lead the Quality Assurance Branch that ensures the quality of the design and construction of the PCAPP by the systems contractor, Bechtel National Inc., meets the criteria established by the program manager for Assembled Chemical Weapons Alternatives, who is the customer.

I also have responsibilities to work with the systems contractor to keep a safe work site that meets Corps of Engineers, Army and Occupational Safety and Health Administration standards.

Review the Campaign Plan goals and objectives. Which one(s) apply to you? At the Pueblo Resident Office, we focus on Campaign Plan Goal 4, specifically 4a (identify, develop, maintain and strengthen technical competencies) and 4d (get the right people into the right jobs). For me, that means developing technical competencies and standards for everyone on every project. We establish tools and systems to get the right people into the right jobs.

How do you see your job making a difference and contributing to the Corps' success? I'd like to think that if I do my job correctly, I can guide the resident office's quality assurance folks to make the best use of their technical and contractual knowledge to work with the contractor to deliver a product that meets our customer's need.

Since I am a part of the Huntsville Center team that meets face-to-face with the customer and contractor at the site, I bring to the project my knowledge and understanding of the design and construction process that helps bridge the gap between them. The end result is a very successful project.

What do you love about your job? I particularly like that I have the opportunity to get away from my desk and take part in the construction process.

I enjoy being actively involved in building projects and seeing them rise from drawings into reality. I love that I complete different aspects of a project each day, so no two days are ever the same.

I also enjoy working with the variety of people involved in a project and seeing how everyone makes an important contribution.

The ***Employee Spotlight*** is intended to let our Center employees shine for positively impacting our organization through mission achievements. Employees are nominated on a monthly basis and are featured on the Huntsville Center Web site monthly. If you'd like to nominate someone within your office for this recognition, please contact JoAnita Miley, Public Affairs Office, at 256-895-1585, or e-mail **JoAnita.Miley@usace.army.mil.**

Center awards $16 million energy contract

HUNTSVILLE, ALA. — The U.S. Army Engineering and Support Center, Huntsville, awarded a task order for $10 million in energy reduction equipment and $6 million in energy services to provide renewable energy for the Army to Johnson Controls Government Systems, LLC., Milwaulkee, Wis., that will result in a total of about 2.2 million renewable energy kilowatt hours and renewable energy credits each year for Fort Bliss, Texas.

The main component of this Energy Savings Performance Contracting (ESPC) project is a third-party owned 1.35 megawatt solar photovoltaic system to be installed on the Army's largest post. This is the first Army PV project acquired using an energy services agreement contained within an ESPC.

The 1.35 MW PV system qualifies for the 30 percent federal cash grant ($1.87 million) for renewable energy installations. This project also includes two smaller 114 kilowatt solar photovoltaic systems located in training areas, utility monitoring and controls system improvements and a demand limiting program. The contract term is 24 years.

"I hope this is the first of many of these type projects under an ESPC." said Michael Norton, branch chief of Huntsville Center's Energy Division.

> *'I hope this is the first of many of these type projects under an ESPC'*
>
> Michael Norton
> Huntsville Center energy division branch chief

ESPC is a partnership between the Army and an energy service contractor. In consultation with the customer, the the contractor provides capital and expertise to make comprehensive energy and water efficiency improvements on facilities or implements new renewable energy capability and maintains them in exchange for a portion of the generated savings.

This project supports President Barack Obama's directive that federal agencies use ESPC to make $2 billion worth of energy efficiency upgrades over the next two years, as well as supporting the Army's renewable energy goals.

ORDNANCE

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items, expired drugs, etc. Munitions disposed of included artillery projectiles, land mines, grenades, rockets, small arms ammunition, some bombs, detonation cord, etc.

"The majority of the munitions and other items disposed of were sent to us by the U.S. Army," Sargent said. "We also destroyed some explosive items for the U.S. Air Force. When the British Army pulled out of Iraq, their excess ammunition also was sent to Forward Operating Base Hammer where it was destroyed."

The munitions disposal mission started in July 2003 as the Captured Enemy Ammunition disposal program.

The focus of the CEA mission was securing six major captured Iraqi ammunition depots and disposing of ammunition not retained for the future Iraqi Army. The CEA mission evolved into both CMC and the Depot Operations Program in February 2006.

CMC was tasked with the subsurface clearance of previously destroyed ammunition sites in Iraq, with a focus on denying improvised explosive device capable materiel to a rising insurgency. The depot operations program was tasked with initially standing up and operating two ammunition depots for the newly-formed Iraqi Army. One depot was later closed by the Iraqi Army and the other became Bayji National Depot.

Under the CMC program, mobile contractor teams moved from site to site, clearing collapsed bunkers and uncovering buried munitions. When the ammunition sites that were a concern under CMC had been cleared and the depot turned over to the Iraqi Army for their own control and operation, the mission changed from a mobile operation to the CMD effort with a centralized collection point for unserviceable U.S. munitions disposal.

During the five years of the CMC program, more than 346,000 tons of explosive remnants of war were destroyed at 51 clearance sites, denying the enemy these hazardous materials for IED that would have caused untold loss of life and property, said Col. Rock Donahue, former director, Multi-National Corps-Iraq, Engineers (C7), at the change of mission ceremony. At the height of the program, 18 mobile teams were operating in Iraq to support the CMC mission, and local national labor and subcontractors were hired at each of the 51 clearance sites.

"The toll on these honorable men and women performing this inherently dangerous mission was high," Donahue said. "Forty-three contractor personnel and an untold number of local nationals lost their lives denying the enemy ammunition, ordnance and cache sites."

Photo by James Campbell

Col. Nello Tortora, Huntsville Center commander, presents the Honorable Ms. Katherine Hammack with a memento of her visit.

Assistant Secretary of the Army for Installations, Energy, Environment visits Huntsville Center

By Debra Valine
Public Affairs Office

The Honorable Ms. Katherine Hammack, the assistant secretary of the Army for Installations, Energy and Environment, visited the U.S. Army Engineering and Support Center, Dec. 15, as part of a two-day visit to Huntsville, Ala.

Huntsville Center Commander Col. Nello Tortora took the opportunity to explain to Ms. Hammack the Center's expertise, capabilities, opportunities and challenges during the working lunch. He stressed to her that he also wanted to receive her guidance on ways the Center could improve its support to the Army.

Tortora said, our mission statement is very broad, but I would point out there are four things we are very passionate about: our technical expertise, our ability to develop large and specialized acquisition tools for our customers, our ability to deliver services worldwide with our program and project management, and, lastly, our focus on continuous improvement and innovation to raise the bar in response to our customers' needs and always looking to add value to their mission accomplishments.

Subject matter experts presented updates on key energy programs managed by the Huntsville Center: Energy Engineering Analysis Program, Energy Conservation and Investment Program, Energy Savings Performance Contracting, Metering and the Army's Energy Initiatives Task Force.

The briefings focused on four areas of interest to Hammack: driving efficiency across the enterprise, build resilience through renewable/alternative energy, science and technology and change the culture.

"It is a great service you provide to the Army," Hammack said. "Thank you for the work you do every day, and for your support to Net Zero."

She spoke about challenges facing the Corps of Engineers as the Army and budget gets smaller.

"It is not new to improve energy efficiency for the Army," Hammack said. "The Army has been doing this for a number of years. We just need to make the most of our resources."

FUDS team hosts innovative field trial

By Charles Coyle
Environmental and Munitions Center of Expertise

Photo by Charles Coyle

Ahmad Seyedabbasi of GSI Environmental Inc. performs soil gas sampling at one of the vadose zone monitoring point locations.

The U.S. Army Corps of Engineers Omaha District project delivery team for the Atlas Site 10 Formerly Used Defense Site is hosting an innovative technology demonstration for treatment of tainted soil surrounding a former Atlas F missile silo in Nebraska.

Historic operations at the former silo have resulted in contamination of soil and groundwater.

The soil surrounding the silo is known to contain trichloroethylene (TCE), a chlorinated hydrocarbon commonly used as an industrial solvent. The contaminated area, a former Atlas F missile facility near York, Neb., was operated from 1960 to 1964 by an Air Force unit located at the former Lincoln Air Force Base.

The major structure at Site 10 is the 174 feet deep, 52 foot diameter underground missile silo which was deactivated in 1965.

The site was proposed for this Environmental Security Technology Certification Program-funded demonstration by the U.S. Army Engineering and Support Center, Huntsville, Environmental and Munitions Center of Expertise. GSI Environmental Inc. conceived the new technology (called "H2T"), proposed the technology demonstration and is overseeing the demonstration project.

H2T involves the process of injecting a gas mixture primarily of nitrogen, hydrogen and propane into the soil for anaerobic, in-place bioremediation of TCE. Gas injection was initiated in June and will continue through January.

The injected propane and hydrogen serve as a food source for soil micro-organisms. The main purpose of the nitrogen is to displace oxygen, in order to try to drive conditions from aerobic to anaerobic in the pore space of the deep soils. If anaerobic conditions can be established and maintained, this should allow for growth of strains of naturally occurring, dechlorinating micro-organisms such as Dehalococcoides ethogenes, also known as DHC. DHC are capable of using TCE for respiration, while using hydrogen as their food source.

Prior to the initiation of the H2T demonstration, a soil vapor extraction (SVE) system had been installed at the site. The SVE system was operated from 2008 until March. The recovery rate of volatile organic compounds (VOC) using the SVE system had been in decline, and appeared to have nearly leveled off before the H2T demonstration was initiated.

GSI decided to treat a portion of the vadose zone, the soil between the ground surface and the water table located on the east side of the missile silo, which had exhibited some of the highest levels of VOCs in soil.

The VOCs appear to be hung up in the vadose zone and are also believed to be serving as a continuing source as they gradually leach downward into groundwater.

The zone slated for the demonstration also happens to be very low permeability soil — an extremely challenging situation for in-place treatment.

In contrast to some of the other in-place treatment technologies for VOCs that are hung-up in deep, low-permeability soils, the H2T process appears to be a passive and low-cost approach.

Other aggressive technologies such as *in situ* thermal treatment and deep soil mixing with a large diameter augur could be applied in this type of setting. However, both technologies are generally very expensive.

At the conclusion of the study, soil boring samples are collected and the soil gas monitoring data will be compiled.

The data will then be analyzed to determine whether or not the process was effective for cleaning up the TCE.

Huntsville Center, Fort Carson, Joint Base Lewis-McChord planners develop sites for two new combat aviation brigades

By Jimmie Jackson
U.S. Army Engineering and Support Center, Huntsville

The Defense Department's latest decision to add two additional combat aviation brigades, created a unique opportunity in the world of military planning and programming. The decision to place the 13th and 16th CABs at both Fort Carson, Colo., and Joint Base Lewis-McChord in Washington respectively has placed tremendous strain on the already stressed Master Planning Divisions of both installations.

In an effort to effectively meet the challenges posed by accelerated suspense dates, unique facility programming requirements and military construction funding constraints, the Assistant Chief of Staff for Installation Management tasked the U.S. Army Corps of Engineers, Huntsville Center Military Construction Planning and Programming team with assisting the local installation staffs.

To ensure all facets of the CAB's requirements were addressed, Huntsville Center contracted a separate customized area development plan.

The plans, rather than focusing on what should be developed, addressed how and when developments should be implemented to ensure all needs are met.

The first area development plan undertaken by Huntsville Center was for the 13th CAB which is scheduled to start arriving at Fort Carson in FY12. The installation had the task of identifying a suitable location to be assessed for the CAB development.

Members of the Fort Carson Master Planning Division, led by Thomas Wiersman, assessed potential sites and settled on placing the new CAB activity at Butts Army Airfield.

Photo by Aaron Briggs

Master planners meet at Fort Carson, Colo., to design the area development plan for the new 13th Combat Aviation Brigade.

In August 2010, the first steps to address the issues associated with the 13th CAB were put into action at the ADP kick-off meeting. At this meeting, key stakeholders from Forces Command, Installation Management Command and the USACE outlined and verified project requirements, potential constraints and issues that could be detrimental to the development of the selected sites.

Based on the information gathered, the project delivery team came up with several alternative layouts. All had various positive and negative effects that had to be taken into consideration, vetted and assessed before a finalized layout could be selected by the project development team.

After several weeks of scenario planning and reassessing the locations of facilities, a preferred alternative was selected by the PDT and endorsed by the installation.

The PDT then switched gears to take an in-depth look at the major infrastructure components that encompassed the site. In addition to providing detailed assessments of the infrastructure, courses of action of what should be done to correct any deficient systems were developed and proposed to the installation.

In late June 2011, the Fort Carson ADP for the 13th CAB was finalized by the PDT and submitted for approval.

The finalized plan was a detailed strategy that included an assessment of the associated infrastructure, all of the requirements, site layouts, utility capacities assessments and costs for required improvements.

This final product enabled the installation to develop detailed MILCON projects to support construction for the 13th CAB.

The ADP at Joint Base Lewis-McChord for the 16th Combat Aviation Brigade is using the same methodology used at Fort Carson and expanding it. The development of the 16th CAB ADP required the PDT to provide a road map for how the facilities would be developed and phased, plus examine the specific funding sources to be used during each phase.

This atypical requirement forced the PDT to take a typical ADP and morph

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Winter weather info available via Internet

By William S. Farrow
Public Affairs Office

As Dec. 22 marked the first day of winter, Huntsville Center employees should be prepared for possible winter weather interruptions to their work commutes.

When hazardous conditions are present, any decision regarding weather delays is made by the Center commander, who notifies the Public Affairs Office no later than 6 a.m., and knowing where to find the instructions for reporting to work should be top priority for all Center employees.

Although PAO personnel notify local radio and television stations and request the information is broadcasted, Center employees do have other mediums available to get the information.

"We (Public Affairs) notify the local media, but they have so much information to get out to the public and it often takes quite a while for Center information to come from TV or radio," said Debra Valine, Huntsville Center Public Affairs officer.

However, Valine said Public Affairs personnel use other tools to get the word out so that Center employees are quickly and accurately informed.

Huntsville Center social media sites

twitter http://twitter.com/cehnc

facebook http://bit.ly/HNCfbPage

"As soon as we get the information (from the commander), the announcement is posted on the Huntsville Center Website (www.hand.usace.army.mil) with any instructions as to late arrival, closure, etc.," Valine said. "We also will post information on our social media sites as well."

Huntsville Center commander Col. Nello Tortora said employees should get out of the mindset of relying on traditional media to find information regarding weather delays.

"Weather reporting information is available on our Website's homepage almost immediately after we make the decision and I encourage all Center employees to also embrace the use of our Public Affairs social media sites to get that information too," Tortora said. "If road conditions are such that employees can't safely get from home to work, supervisors can approve liberal leave during the period of inclement weather."

PLANNING

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it. Some of the items that make this product so unique are the development of the three different alternative plan phases to show a short-range (1-5 year local Operation and Maintenance projects), medium- and intermediate-range (5-10 year phase greater than or equal to 50 percent O&M projects) and a long-range plan (10-15 year phase MILCON). The reason for this out-of-the-box requirement is being fueled by two factors:

Factor 1: The CAB has a projected arrival date of FY12 which has forced the JBLM master planners to be reactive to an immediate requirement as opposed to planning if it were a future requirement.

Factor 2: New MILCON funding restraints have reduced the number of projects that are currently being funded thus forcing the re-evaluation of how master planners develop projects.

During the 16th CAB ADP kick-off meeting in November, the PDT took a long look at what would be required to successfully complete a long-range plan by first assessing what was required, what was currently available, which facilities could be reused and the cost to rehabilitate each facility. By conducting these analyses the PDT would be able to successfully reach the desired three-phase plan.

Each planned phase will be accompanied by a financial package that can be used by the installation to obtain funding. For example, the PDT will deliver a series of rough order of magnitude estimates that for the short-range component that can be transferred over to Directorate of Public Works work orders and placed on the installation's funding priority list.

In addition, cost and detailed write ups will be provided to support the medium-range plan that can be put into a renovation and modernization DD Form 1391. Lastly, the long-range phase will be supported by documentation that can be used to produce a MILCON DD Form 1391.

Even though the 16th CAB ADP is in its early developmental phases, it is already apparent that the end result will be a win-win situation for all parties involved.

The final product will have addressed the entire airfield requirement and associated issues. The 16th CAB will be in usable facilities, and the airfield will receive an unprecedented number of required upgrades.

In addition, the installation will also have a fully developed roadmap as to how they will develop Gray Army Airfield.

Huntsville Center missions surpass $1.7 billion in fiscal 2011

By Valerie Shippers
Installation Support and Programs Management

Contracts for installation support projects awarded by the U.S. Army Engineering and Support Center, Huntsville in fiscal year 2011 totaled an impressive $1.7 billion. Huntsville Center is the U.S. Army Corps of Engineers' Installation Support Center of Expertise.

Its project managers partner with Corps districts, Directorates of Public Works, Headquarters Installation Management Command and other federal agencies on projects.

The ISCX links state-of-the-art business practices and innovative processes to provide comprehensive and cost-effective support to DoD installations.

Through its virtual project teams, ISCX delivers centralized management with decentralized execution.

Army Stationing Facilities Support

ASFS coordinates facilities requirements analyses and leads planning charrettes for Army installations that will see the move of more than 140,000 personnel during FYs 2010-13.

ASFS also provides IMCOM with centralized support for master planning and Military Construction programming. Support includes managing program resources, normalizing associated costs and assisting with Office of the Assistant Chief of Staff for Installation Management- and IMCOM-directed studies. In FY 2011, 48 economic analysis requests were completed.

Economic analyses include lease and buy analyses and source-of-funding determinations for Corps districts and installations and are components of relocatable facility request packages.

File photos

An aerial photograph shows the Digital Multi Purpose Range Complex at Fort Bliss, Texas, completed in FY2011 under the Range and Training Land Program.

Planning and Programming

The Planning and Programming team manages installation planning services that include MILCON planning charrettes, facility requirement analyses, area development plans, real property master plan updates, comprehensive energy and water management plans, real property inventory updates, facility utilization studies and infrastructure capacity analyses.

In FY 2011, in addition to ongoing program actions, Planning and Programming awarded 21 requirements analyses, 19 planning charrettes, three area development plans, seven infrastructure capacity analyses and three real property management plans at a value of about $3.1 million.

MILCON-Business Process Center of Standardization

The facilities built through the MILCON program are critical to the success of the modular Army. Huntsville Center leads COS efforts for 17 facility types and works with proponents to further develop and modify Army standards for these facilities.

The COS, in partnership with geographic Corps districts, awarded more than $44.5 million of MILCON in FY 2011. Following award of 29 facilities in FYs 2009-10, the COS provided technical support to the field's construction efforts. The COS also initiated continental U.S. regional design-build range multiple award task order contracts and assisted Corps districts in requests for proposal development.

To aid future planning and programming, the COS continued development of template DD Form 1391s, available through the Programming Administration and Execution processor, for standard facility types.

Ranges and Training Land Program

The RTLP provides program management and engineering support to the Range Modernization Program, which consists of more than 250 Army, Army Reserve and National Guard projects. Support includes establishing engineering criteria and standard designs, initial planning and site selection, facilitating planning charrettes and preparing MILCON programming documentation.

RTLP provides programmatic oversight and technical support to Corps districts responsible for range

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design and construction. Project assessments evaluate training and surface danger zone capabilities; constructability, standard design and National Environmental Policy Act compliance; telecommunications infrastructure; and unexploded ordnance.

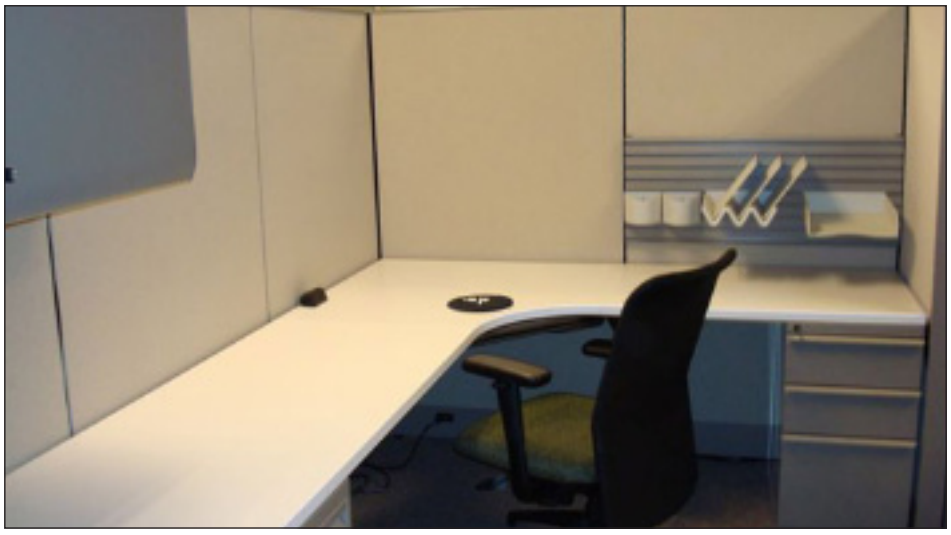
Army Centralized Furniture Program

Huntsville Center is the Army Centralized Furniture Program manager for barracks and administrative furnishings. Customers include Army Contracting Command and Navy and Air Force installations. Competitive procurements using General Services Administration schedules result in fair opportunities for manufacturers, consistent quality and maximum cost avoidance for the Army. The program also monitors projects for on-time delivery.

In FY 2011, the program completed the Base Realignment and Closure Furnishings Program, furnishing 400 administrative buildings and 102 barracks buildings for a total of $242 million. Total cost avoidance was $109 million, or 31 percent of the estimated value of the program. The FY 2011 projects for the Army, Navy, Air Force and Marine Corps Reserve furnished 343 administrative buildings and 278 barracks buildings for a total of $240 million, with cost avoidance of $19 million, or 8 percent of GSA pricing.

Facilities Repair and Renewal Program

The FRR Program offers a fast, efficient method for design and execution of all types of facility repairs, renovations and minor construction. This program is available to districts and their customers as part of the "one-door-to-the Corps" policy. The key to the program's success is the innovative use of indefinite-delivery, indefinite-quantity service and construction contracts covering all 50 states plus U.S. territories.



This office furniture is an example of systems installed in more than 400 administrative buildings through the Army Centralized Furniture Program.

The FRR Program has two execution strategies. The architect-engineer IDIQ service contracts provide designs, studies, investigations, surveying and mapping, tests and planning support. The design-build IDIQ construction contracts are MATOCs with design-build capabilities. The task order award takes an average of 45 days.

In FY 2011, FRR awarded $50 million in repair, renewal and construction contracts in more than 30 actions.

Facilities Reduction Program

The FRP identifies best industry practices and develops regionally focused MATOCs around them to cost effectively remove excess facilities. The FRP can put specialized demolition contractors at the right place at the right time to provide customers with significantly lower demolition costs, minimal time to remove a facility, maximum salvage or recycle credit and maximum landfill diversion.

The two most important FRP metrics are cost per square foot and landfill diversion percentage. Army policy requires a minimum of 50 percent of a demolished building's weight be diverted from landfills.

In FY 2011, the program awarded more than $25 million in demolition for the Army, NASA and the Army Reserve. By maximizing recycling and grinding concrete for use as aggregate and engineered fill, the FRP team achieved an average diversion rate of 72 percent. FRP contracts generated an average cost per square foot for the Army of less than $7 and will remove almost 3.5 million square feet of excess facilities.

Access Control Point Program

The ACP Program provides contracting, engineering and management capabilities for ACP efforts. Its primary customer is the Office of the Provost Marshal General.

The current phase of the Provost Marshal-funded ACP Equipment Program is more than 88 percent complete. ACPs have been prepared to receive the automated installation entry system at 28 of 34 continental U.S. installations on the customer's priority list. Most of the remaining six sites are about 80 percent complete.

In FY 2011, the program added a customer. It awarded upgrade projects at Naval hospital facilities in two locations. The ACP Program also worked to improve coordination between the agencies involved with Army ACPs. The Army Standard for ACPs is being revised, and Huntsville Center provided insight and lessons

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learned from the execution perspective.

The ACP Program is developing three acquisitions that will be available in FY 2012: design-build, A-E services and maintenance.

Utility Monitoring and Control Systems Program

The UMCS Program Mandatory Center of Expertise designs, procures and installs complex monitoring and control systems for customers at Army garrisons, Department of Defense and other federal agencies. These systems include: building automation; supervisory control and data acquisition; advanced metering; fire alarm; heating, ventilation and air conditioning; photovoltaic; and alternative or renewable energy sources.

The UMCS MCX develops and maintains design criteria, prepares and reviews designs and test procedures and provides technical assistance during procurement, installation, testing and commissioning as well as trouble-shooting services. Acquisitions are accomplished through single- and multiple-award IDIQ contracts.

In FY 2011, UMCS awarded about 785 contract actions for roughly $294 million. The UMCS team manages an active task order award value of more than $500 million.

Electronic Security Systems Program

The ESS Program supports customers at Army garrisons worldwide, the National Guard Bureau, Marine Forces Reserve, DoD and other federal agencies. In FY 2011, the program awarded $49.1 million in contract actions to push the total current workload to $180 million.

Medical Repair and Renewal Program

The MRR Program offers a fast, efficient method for design and execution of medical facility repairs, renovations, minor construction projects and facility support services.

The Integrated Modular Medical Support Systems Program provides modular medical systems furniture for Army and tri-service medical facilities.

MRR provides program and project management, engineering, contracting and construction support to federal agencies.

The program has numerous contracting tools and IDIQ contracts available. The contractors were selected for their experience and ability to perform in medical facilities and are knowledgeable about The Joint Commission and the Accreditation Association for Ambulatory Health Care requirements and other health care criteria and regulations.

In FY 2011, the MRR program managed about 120 medical facility repair and renovation projects, valued at more than $380 million, for the U.S. Army Medical Command, the Air Force, the Navy and the Department of Veterans Affairs.

Operation and Maintenance Engineering Enhancement

The OMEE Program provides a simplified way to respond to the growing operation and maintenance needs of DoD medical facilities worldwide. The OMEE Program uses streamlined processes that offer low-cost, quick response contracts for the operation, preventive maintenance, repair and replacement of equipment and other facility support.

The program has two suites of IDIQ service contracts. The contractors were selected for their ability to perform in medical facilities and are knowledgeable in The Joint Commission and Accreditation Association for Ambulatory Health Care requirements.

These contracts provide scheduled maintenance, corrective maintenance, pest management, aseptic management, grounds maintenance and biomedical equipment maintenance, repair and replacement services for medical or nonmedical facilities.

Integrated Modular Medical Support Systems Program

The IMMSS Program provides modular medical systems furniture for Army and tri-service medical facilities worldwide. These systems are designed for hospitals, clinics, pharmacies, medical administrative facilities, labs and medical storage facilities. The systems are designed to be durable, easily cleanable and reconfigurable to any use in medical facilities.

The IMMSS Program also provides non-systems furniture for offices, waiting rooms and high-density storage. It can usually provide any furnishings, exclusive of medical equipment, required in medical facilities.

The program established a suite of blanket purchase agreements with three systems furniture manufacturers, which were selected based on their ability to meet the functional, interchangeability and reconfiguration requirements of medical facilities. The manufacturers provide functionally equivalent systems, which can differ in color, style and appearance but meet all IMMSS requirements.

In FY 2011, the IMMSS Program executed 272 orders totaling $38.4 million. The total capacity of all BPAs is $400 million over a five-year period that began in June 2010. For other furniture requirements, the program uses GSA Federal Supply Schedule contracts or

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openly competed orders.

The Initial Outfitting and Transition Program

The IO&T Program offers turn-key project support for the equipping and transitioning of staff and patients for the U.S. Army Medical Department's military health care and medical research laboratory facility construction and renovation projects nationwide and overseas. The program provides a wide range of services to ensure that when the facility is fully operational, it can effectively and efficiently support its mission.

The IO&T Program established two, four-year IDIQ MATOCs. The unrestricted IDIQ MATOC includes a pool of five contractors with a capacity of $409 million. The restricted IDIQ MATOC has a pool of five small business contractors with a total capacity of $81 million.

In FY 2011, the IO&T Program managed about 20 task orders valued at more than $57 million.

Energy Division programs

Army Meetering Program – To comply with the Energy Policy Act of 2005 and the Energy Independence and Security Act of 2007, advanced meters, known as smart meters, are being installed on about 8,700 Army, Medical Command, Reserve and National Guard facilities to monitor and electronically report consumption of electricity, natural gas, steam and water.

The plan is for meter data to be electronically transmitted to a central database, the Meter Data Management System, an enterprise system that will collect, analyze and display meter data at the installation, region and headquarters levels. The MDMS collects meter data from all installation production and consumption sources and provides the energy manager with a comprehensive display of the installation's energy footprint. MDMS allows the energy manager to compare the energy use of buildings of similar use and size, measure the installation's total energy consumption and generation, and develop and validate projects that reduce energy use.

Part of an energy savings performance contract project at Fort Bliss, Texas, a parabolic hot water array was installed to provide preheated domestic hot water.

As of FY 2011 end, the number of meters installed since program inception exceeded 7,000. A total of 10,000 meters are contracted for installation. About 200 meters are now reporting from the three installations that have the MDMS. MDMS fielding began at 43 other installations and will be fielded at more installations during FY 2012.

Huntsville Center is working with the Army's information assurance organizations to resolve meter connectivity and establish a path forward by March. Meter data will be transferred to MDMS when these issues are resolved.

The installation of gas and steam meters will begin after electric meter installations are completed.

Energy Savings Performance Contracting – This program delivers energy- and water-reducing capital improvements that the garrisons cannot fund through existing operating funds or other sources. The energy service contractor provides the capital and expertise to make comprehensive energy- and water-efficiency improvements and maintains those improvements in exchange for a portion of the generated savings. The energy service contractor guarantees the improvements will generate sufficient savings to pay for the project over the term of the contract, which cannot exceed 25 years.

More than $565.4 million in private-sector-financed infrastructure improvements have been constructed at 49 Army installations since FY 2000. Energy savings total about $62.5 million per year.

Unlike FY 2010, all FY 2011 new starts were garrison-funded for the measurement and verification phase. FY 2011 awards included a $26.5 million project at the U.S. Military Academy at West Point, N.Y., with a payback of 17 years, nine months and a guaranteed first-year savings of $2.07 million; a $12.3 million project at the Space and Naval Warfare Systems Command

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San Diego that will provide an annual savings of about $1 million and a project payback term of 19 years, two months; a $4.8 million project at the Red River Army Depot, Texas, with a capital investment of $4.8 million and a payback term of 17 years with a guaranteed first-year savings of $0.45 million; a $3.5 million project at Fort Bliss, Texas, with a payback of 19 years, four months and a guaranteed first-year savings of $0.32 million; and an $11.1 million project at Aberdeen Proving Ground, Md., that has a payback of 11 years, six months and a guaranteed first-year savings of $1.5 million.

Resource Efficiency Manager Program – This program places energy expert consultants at Army garrisons to help installations meet energy goals by finding, developing and employing conservation measures and renewable projects. IMCOM funds the first year of REM services, and the garrison funds the subsequent year options.

REMs have identified energy savings opportunities that yield as much as 10 times their annual salary cost, and they provide valuable assistance in using energy project funding streams. If the REM does not produce a positive return on investment, his or her contract is not renewed. Total expenditures on REM contracts are $3.7 million, which equates to a total program value of 5.4 times what the Army has invested.

In FY 2011, the REM Program was not centrally funded by IMCOM, however, Huntsville Center awarded REM contracts at two installations and the Oregon Nation Guard, and option year extensions for REMs for seven installations. REMs identified about $30 million in yearly savings with more than $20 million in realized savings from executed projects and initiatives. The total project life savings if all REM-identified projects and initiatives were implemented by the Army would total more than $200 million.

Commercial Utilities Program – This centrally funded program ensures utilities are purchased using the best terms and rates available and resold to garrison tenants in compliance with policies and regulations.

The Army averages hearings annually at which utility companies seek rate increases of from 6 to 22 percent. The CUP provides a consultant to represent the Army as an expert witness at these hearings, helping to avoid or minimize increases. The CUP also assists garrisons in reviewing utility billings to ensure the proper rates are being applied and to catch other errors and it approves utility contracts.

The Utility Monitoring and Control Systems Program designs, procures and installs monitoring and control systems for customers at the Department of Defense and other federal agencies.

In FY 2011, the CUP saved the Army $1.6 million by intervening in two rate increase filings and by negotiating directly with utility companies for a cost of only $57,000. About $30,000 was recovered when the Army was charged for invalid taxes by a utility company.

Energy Engineering and Analysis Program – The EEAP leverages the expertise and capabilities of Corps and Department of Energy labs and contracted subject matter experts to perform: energy consumption assessments, renewable and non-renewable energy conservation project recommendations, oversight of selected options, assistance with local energy programs, energy-related training, water conservation and wastewater treatment. The EEAP went from a $60,000 program in 2008 to $20 million in 2011. In FY 2011, capital investment strategies were completed for EEAP surveys at eight installations. Specialized energy studies were conducted at three others. EEAP surveys were also completed for Corps civil works projects and at several Defense Logistics Agency locations: the 88th Readiness Support Center, Air Education Training Command and Joint Base Operations San Antonio.

At year-end, Levels 1, 2 and 3 assessments and feasibility and specialty studies were awarded at 12 Army sites, two Air Force sites, one DLA site and one Marine Corps site.

Energy Conservation Investment Program Validation Program – Huntsville Center provides program and technical support to OACSIM by preparing and validating DD Form 1391s and assisting with project status inquiries for the ECIP Validation Program.

Since the inception of this program in November 2010, the validation team made initial comments for the FY 2011 program, validated projects for the FY 2012 program and reviewed 200 projects submitted by the Army, Army Reserve and National Guard to develop the ECIP five-year Future Year Defense Program with an annual budget of $50 million.

Energy Execution Program – This program designs and executes energy-specific technology projects for Army garrisons, DoD and other federal agencies. Funds for these projects are typically provided through Sustainment Restoration and Modernization or ECIP. In FY 2011, Huntsville Center assisted in awarding and executing four ECIP or Military Construction Army-funded projects and more than 15 SRM and Operation and Maintenance Army-funded projects totaling $35 million.

Huntsville Center celebrates holidays

By Jo Anita Miley
Public Affairs Office

Games, contests and a raffle were key events for celebrating the holiday season at Huntsville Center and, according to Huntsville Center Activities Association president Nikki Dean, the recent Center holiday celebration has never lasted so long or been so much fun.

Dean said the week-long holiday event, sponsored by the activities association, was filled with lots of fun activities, good food and great fellowship.

"We're changing the way we usually celebrate the holidays at the Center this year by making it a week of activities, instead of a one-day event," Dean said.

Huntsville Center's holiday celebration, "Holiday Festivities Week," ran from Dec. 12-15.

Dean said the push for more events and days was brought on by a need to include more employees in the celebration and spreading the events across the week, which is less likely to interfere with employees' workloads.

The decorated door and pet photo contests were designed to give employees an opportunity to show off their creativity and spark a little competition among the directorates and small offices, Dean said.

A few members of Huntsville Center's Family Readiness Network also caught the holiday spirit during the week and created a holiday display in the Center lobby to honor Center employees currently deployed.

Holiday Festivities Week culminated with a town hall meeting Dec. 16 with Col. Nello Tortora, Huntsville Center commander.

The town hall started with Gunnery Sgt. Wayne Byron and Sgt. Bobby Drayton from Kilo Battery, 2nd Battalion, 14th Marine Regiment, Marine Corps Reserve receiving a toy to represent the Center's Toys for Tots donations.

Photo by James Campbell

Photo by JoAnita Miley

Photo by JoAnita Miley

Above, Gunnery Sgt. Wayne Byron and Sgt. Bobby Drayton from Kilo Battery, 2nd Battalion, 14th Marine Regiment, Marine Corps Reserve, take away hundreds of toys Center employees donated for the Toys For Tots program. Joaquim Tucker, Contracting Directorate, laughs at his efforts during the gift unwrapping contest and the Center's Safety Office took top door decoration honors.

Center holiday contest winners

- Toys-for-Tots Toy Drive: Center Contracting Directorate – collected 68 toys
- Kindle raffle winner: Sue-Chen Chen, Chemical Demilitarization Directorate
- Pet Photo Contest: Elizabeth the dog (Shih Tzu) – owner, Sandy Oliver
- Holiday Door Decorating Contest:
  1st Place: Safety Office
  2nd Place: Management Review Office
  3rd Place: Resource Management Directorate
  Center Favorite: Utility Monitoring and Control Systems Program

Ethics Corner

What is a DAEO?

By Chris Paden
Office of Counsel

For the vast majority of you, this article will be a review of what was stated in the 2011 Annual Ethics Training. In that regard, let me express my thanks to you for attending. I hope you learned something.

What is so important about knowing who is the DAEO? Well, it's simple. The DAEO has the ability to provide you with ethics advice that if you follow, you will be immune from the penalties for violating the ethics rules. In other words, the DAEO can give you a "get out of jail free" card, so to speak. Margaret Simmons is the Huntsville Center's Designated Agency's Ethics Official (DAEO).

The ethics rules state at § 2635.107 Ethics advice:

> *b. Disciplinary action for violating this part or any supplemental agency regulations will not be taken against an employee who has engaged in conduct in good faith reliance upon the advice of an agency ethics official, provided that the employee, in seeking such advice, has made full disclosure of all relevant circumstances. Where the employee's conduct violates a criminal statute, reliance on the advice of an agency ethics official cannot ensure that the employee will not be prosecuted under that statute. However, good faith reliance on the advice of an agency ethics official is a factor that may be taken into account by the Department of Justice in the selection of cases for prosecution.*

So as you can see, the advice the DAEO provides isn't really a get out of jail free card because you could still be prosecuted if your actions violate criminal law. However, the Department of Justice will use your good faith reliance as a factor to determine whether you'll be prosecuted for the violation.

More importantly, and more applicably, is that the advice of the DAEO protects you from disciplinary action if you follow the advice of the DAEO. There is a caveat, however. The statute states this immunity from disciplinary action is conditioned on "the employee, in seeking such advice, has made full disclosure of all relevant circumstances." In other words, so long as you provide a full disclosure of the facts and circumstances surrounding your dilemma, following the advice of the DAEO protects you. But remember, the worst thing you can hear from a DAEO is "If I knew that, my answer would have been different."

Again, thanks for attending the 2011 annual ethics training.

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