



# NEWS RELEASE

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## Huntsville Center missions surpass \$1.7 billion in fiscal 2011

*By Valerie Shippers*

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**HUNTSVILLE, Ala.** – 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.

### Army Stationing Facilities Support

**Purpose** – 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 Installation Management Command with centralized programmatic 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.

**FY 2011** – ASFS provided 480 economic analysis requests since FY 2006 and of those, 48 completed FY 2011 at numerous installations. Economic analysis include lease and buy analyses and source-of-funding determinations for Corps districts and installations, and are components of relocatable facility request packages.

### Planning and Programming

**Purpose** – The Planning and Programming team manages all areas of installation planning from energy planning to physical development planning. Services include MILCON planning charrettes, facility requirement analysis, area development plans, real property master plan updates, comprehensive energy and water management plans, real property inventory updates, facility utilization studies and infrastructure capacity analysis.

**FY 2011** – In addition to ongoing program actions, Plans and Programming awarded Plans and Programming awarded 21 Requirements Analysis , 19 Planning Charrettes, 3 Area Development Plans, 7 Infrastructure Capacity Analysis, and 3 Real Property Management Plans at a value of about \$3.1 million.

### **MILCON—Business Process Center of Standardization**

**Purpose** – The facilities to support an Army organized according to modular concepts are critical to the success of the MILCON program. Huntsville Center leads COS efforts for 17 facility types and is working with proponents to further develop and modify Army standards for these facilities.

**FY 2011** – The COS, in partnership with geographic Corps districts, awarded more than \$44.5 million of MILCON in direct support of this strategic initiative. Following award of 29 COS facilities in FY 2009 through FY 2010, the COS supported the field’s construction efforts through technical support including contractor design reviews. The COS has also been engaged in initiation of CONUS regional Design-Build Range Multiple Award Task Order Contracts in addition to assisting geographic Corps districts in Request For Proposal development.

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

### **Ranges and Training Land Program**

**Purpose** – 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 design and construction of range projects. Project assessments evaluate the project from these functional areas: training capability, surface danger zone capability, constructability and standard design compliance, National Environmental Policy Act, telecommunications infrastructure and unexploded ordnance. No Change but received a response.

### **Army Centralized Furniture Program**

**Purpose** – Huntsville Center is the Army’s 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, and consistent quality and maximum cost avoidance for the Army. The program also monitors projects after contract award to ensure on-time delivery.

FY2011 - The Army Centralized Furniture Program completed the BRAC Furnishings Program, furnishing 400 admin buildings and 102 barracks buildings for a program cost of \$242M, with a total cost avoidance of \$109M, or 25% of the estimated value of the program. In general, the FY11 program consisted of projects for the Army, Navy, Air Force and Marine Corps Reserves, furnishings 343 admin buildings, 278 barracks buildings (45407 spaces) for a total of \$240M obligations, with cost avoidance of \$19M, or 8% of GSA pricing.

Key projects completed or awarded included the Sam Houston METC Barracks Complex BLDG 3312/3314, West Point USMAPS BLDG 950, Eustis BLDG 705, Carson BDE/BN HQ BLDG 9420, Belvoir BCT Complex, Aberdeen Proving Grounds ATEC HQ, Belvoir BRAC 132 Complex, Bliss 1st AR DIV HQ, Benning Maneuver Center HQ BLDG 70, and Warrior in Transition facilities at Ft Belvoir, Ft Campbell, Ft Carson, Ft Hood, Ft Bragg, Ft Benning, Joint Base San Antonio, Joint Base Elmendorf/Richardson

### **Facilities Repair and Renewal Program**

**Purpose** – 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 all districts and their customers as part of the Corps’ “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.

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 multiple-award task-order contracts with design-build capabilities. The task order award process takes an average of 45 days.

**FY 2011** – FRR awarded \$50 million in repair, renewal and construction contracts on over 30 actions.

### **Facilities Reduction Program**

**Purpose** – The sole mission of the Facilities Reduction Program (FRP) is to cost effectively remove excess facilities. This year the program awarded over \$25 million in demolition for the Army, NASA and the Army Reserve.

This program searches out and identifies best industry practices for removal of facilities and has developed regionally focused multiple award task order contracts around them. The result is that FRP can put specialized demolition contractors at the right place at the right time to provide our 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. By using best industry practices such as maximizing recycling and grinding concrete for use as aggregate and engineered fill, the FRP team has achieved an average diversion rate of 72 percent. FRP contracts awarded in FY11 generated an average cost per square foot for the Army of less than \$7.00/sf and will remove almost 3.5M square feet in excess facilities.

### **Access Control Point Program**

**Purpose** – The ACP Program’s primary customer is the Office of the Provost Marshal General. The program provides the contracting, engineering and management capabilities to execute full life-cycle support for Access Control Point efforts.

**FY2011** – The current phase of the OPMG funded Access Control Point Equipment Program (ACEP) is more than 88 percent complete. ACPs have been prepared to receive the automation installation entry system at 28 of 34 CONUS installations on the customer’s priority list, with most of the remaining 6 sites in the 80% complete range.

This year marks the addition of a new customer to our program. We awarded ACP upgrade projects at Naval Hospital facilities in Beaufort, SC and Pensacola, FL.

The ACP program initiated plans to improve coordination between the various government agencies that are involved with Army ACPs. A revision to the Army Standard for ACPs is underway and HNC is providing insight and lessons learned from the execution perspective. The ACP Program has three acquisitions under development; Design-Build, AE Services, and Maintenance. These contracts will be available in FY2012.

### **Utility Monitoring and Control Systems Program**

**Purpose** – The UMCS Program Mandatory Center of Expertise supports customers at Army garrisons, Department of Defense and other federal agencies with consistent, high-quality, reliable and cost-effective products and services. Designing, procuring and installing complex monitoring and control systems are specialized skills. 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 Mandatory Center of Expertise develops and maintains design criteria, prepares and reviews designs and test procedures, and provides technical assistance during all phases of procurement, installation, testing and commissioning. The team also provides trouble-shooting services. Acquisitions are accomplished through single- and multiple-award IDIQ contracts.

**FY 2011** – UMCS awarded about 785 contract actions and obligated roughly \$294 million dollars. The UMCS Product Delivery Team manages a total active task order award value to more than \$500 million dollars.

### **Electronic Security Systems Program**

**Purpose** – The ESS Program supports customers at Army garrisons worldwide, the National Guard Bureau, Marine Forces Reserves, DoD and other federal agencies. In FY 2010, the ESS Program awarded \$55.1 million in contracts.

**FY 2011** – The program awarded \$49.1 million in contract actions to push the total current workload value \$180 million.

### **Medical Repair and Renewal (MRR) Program**

The Medical Repair and Renewal (MRR) Program provides a fast, efficient method for design and execution of all types of medical facility repairs, renovations, minor construction projects, and facility support services. MRR provides program and project management, engineering, contracting and construction support to DoD and non-DoD agencies nationwide.

The MRR Program has numerous contracting tools and Indefinite Delivery/Indefinite Quantity (IDIQ) contracts available to execute medical facility requirements. These contractors were selected on their experience and ability to perform in medical facilities and are knowledgeable in The Joint Commission (TJC) and Accreditation Association for Ambulatory health Care (AAAHC) requirements, and other healthcare criteria/regulations.

In FY11, the MRR program will be managing approximately 120 projects in awarded medical facility repair and renovation projects, valued at more than \$380 million, for MEDCOM, the Air Force, the Navy and the Department of Veterans Affairs.

### **Operation and Maintenance Engineering Enhancement (OMEE)**

The Operation and Maintenance Engineering Enhancement (OMEE) Program at U.S. Army Engineering and Support Center, Huntsville, provides a simplified process to respond to the growing operation and maintenance (O&M) needs of DoD medical facilities. The OMEE Program uses streamlined processes that provide low-cost, quick response contracts for the operation, preventive maintenance, repair and replacement of equipment and other facility support for DOD installations worldwide.

The OMEE Program has two suites of Indefinite Delivery/Indefinite Quantity (IDIQ) service contracts available to execute maintenance requirements. These contractors were selected on their ability to perform in medical facilities and are knowledgeable in The Joint Commission (TJC) and Accreditation Association for Ambulatory health Care (AAAHC) requirements. These contracts can provide scheduled maintenance, corrective maintenance, pest management, aseptic management, grounds maintenance, biomedical equipment maintenance and repair/replacement services in support of medical or non-medical facilities.

### **Integrated Modular Medical Support Systems Program (IMMSS) Program**

The IMMSS program provides integrated, modular, medical systems furniture for US Army and tri-service medical facilities worldwide. These systems are designed for use in hospitals, clinics, pharmacies, medical admin facilities, labs, and medical storage facilities. The systems are designed to be durable, easily cleanable, and readily reconfigurable to any use in medical facilities. The IMMSS program also provides non-systems furniture, like wood office furniture, waiting rooms, high-density storage, etc. We can generally provide any furniture and furnishings, exclusive of medical equipment, required in medical facilities.

The IMMSS Program has established a suite of Blanket Purchase Agreements with three systems furniture manufacturers. These manufacturers were selected based on their ability to meet the functional, interchangeability and reconfiguration requirements needed in Army medical facilities. The three manufacturers provide functionally equivalent systems, which can differ in color, style and appearance but meet all IMMSS systems requirements. The total capacity of all BPAs is \$400M over a period of 5 years, which began in June 2010. For other furniture requirements, the IMMSS Program uses GSA Federal Supply Schedule contracts or openly-competed orders.

In FY11 the IMMSS Program executed a total of 272 orders totaling \$38.4M for medical systems furniture and other furniture requirements.

### **The Initial Outfitting and Transition (IO&T) Program**

The Initial Outfitting and Transition (IO&T) Program offers a total turn-key project support for the equipping and transitioning of staff and patients associated with new military healthcare and medical research laboratory facility construction and renovation projects to support requirements of the U.S. Army Medical Department (AMEDD). IO&T provides program/project management and contracting support to AMEDD locations nationwide and overseas. The IO&T Program provides a wide range of services to address the multitude of needs of any project to ensure that when the facility is fully operational, it can effectively and efficiently support its mission.

The IO&T Program has established two, four-year, Indefinite Delivery/Indefinite Quantity (IDIQ) Multiple Award Task Order Contracts (MATOC) for the Program. The Unrestricted IDIQ MATOCs include a pool of five contractors with a capacity of \$409 million. The Restricted IDIQ MATOCs include a pool of five Small Business contractors with a total capacity of \$81 million.

IN FY11, the IO&T program managed approximately 20 task orders, valued at more than \$57 million for AMEDD.

## **ENERGY DIVISION PROGRAMS**

### **Army Metering Program**

**Purpose** – 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, Army Reserve and National Guard facilities to monitor and electronically report consumption of electricity, natural gas, steam and water.

The meter data will be electronically transmitted to a central database, the Meter Data Management System (MDMS). MDMS is an enterprise system for the collection, analysis, and display of meter data at the installation, regional, and headquarters levels. MDMS will collect meter data from all sources on an installation (production and consumption) and provide the energy manager with a comprehensive display of the installations energy footprint. MDMS will allow the energy manager the flexibility to select buildings to compare the energy use to similar use and

square foot buildings, measure the installations total energy consumption and generation, and to develop/validate projects to reduce energy use.

**FY 2011** – Meter installations continue across the Army. The number of meters installed has exceeded 7,000 meters since the inception of the program with 10,000 meters contracted for installation.

MDMS received a certificate of worthiness July 2010 and was fielded at Fort Stewart, Georgia, Fort Carson, Colorado, and West Point, New York. Approximately 200 meters are reporting from the three installations. MDMS fielding began at 43 installations (41 CONUS, 2 OCONUS) in FY 2011. MDMS will be fielded at additional installations during FY 2012.

The U.S. Army Engineering and Support Center, Huntsville (HNC) is working with the Army's Information Assurance organizations to resolve meter connectivity and establish a path forward by March 2012. Meter data will be transferred to MDMS upon resolution of Information Assurance issues and establishing the meter connectivity. The installation of gas and steam meters for compliance with the Energy Independence and Security Act (EISA) 2007 will begin upon completion of the electric meter installs

### **Energy Savings Performance Contracting**

**Purpose** – This program delivers energy- and water-reducing capital improvements that the garrison cannot fund through existing operating funds or other funding sources. In consultation with the garrison, the energy service contractor provides 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 that the improvements will generate sufficient savings to pay for the project over the term of the contract, which cannot exceed 25 years.

The United States Army Installation Management Command (IMCOM) provided limited central funding that only allowed HNC to provide contract administration for IMCOM projects in the payment and Measurement and Verification (M&V) phase and only new starts from FY 2010. All FY 2011 new starts were garrison funded projects. 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.

### **FY 2011 Awards**

West Point, New York, a project was awarded that included \$26.5 million of improvements for lighting upgrades, control system and Variable-Air-Volume enhancements, boiler, chiller and steam system improvements and a Photovoltaic system. The payback of this project is 17 years 9 months with a guaranteed first year savings of \$2.07 million.

The Space and Naval Warfare Systems Command, San Diego, California: project implements seven energy conservation improvements at a capital investment cost of \$12.3M providing an annual savings of about \$1M. This

project includes boiler upgrades, chiller upgrades, energy management and control system, HVAC upgrades, lighting improvements, building envelope improvements, and water/sewer conservation. This project has a payback term of 19 years 2 months.

Red River Army Depot, Texas. Project implement energy savings measures with a capital investment of \$4.8M that include installation of energy management control system, HVAC system, lighting upgrades with occupancy sensors, steam distribution system upgrade and compressed air optimization. The payback term is 17 years with a guaranteed first year savings of \$.45M.

Fort Bliss, Texas. This \$3.5M project includes the improvements in lighting and Utility Monitoring and Controls System (UMCS). The payback term is 19 years 4 months with a first year guaranteed savings of \$.320M.

Aberdeen Proving Ground, Maryland. This \$11.1M project includes HVAC renovations, window replacements and steam system rehabilitation. Payback term is 11 years 6 months with a first year guaranteed savings of \$1.5 million.

#### **Resource Efficiency Manager Program**

**Purpose** – This program places Resource Efficiency Managers (REMs), who are energy expert consultants, at Army garrisons to help installations meet energy goals by finding, developing, and employing energy conservation measures and renewable energy 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 all 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 REMs in place amount to \$3.7 million. This amount equates to a total program value of 5.4 times what the Army has invested.

**FY 2011** – The REM program was not centrally funded by IMCOM; however, HNC awarded REMs at Ft Campbell, Fort Bragg, and the Oregon Nation Guard, as well as awarding option year extensions for REM Level IIIs at Picatinny Arsenal, Fort Meade, Fort Irwin, Fort Bragg's central energy plant and garrison; Fort Benning, Military Ocean Terminal, Concord, and West Point.

**During FY 2011**, REMs identified approximately \$30 million in yearly savings with over \$20M in realized savings from executed projects and initiatives. The total project life savings if all REM identified projects and initiatives are implemented by the Army would total over \$200M. In FY 2011, HNC awarded 6 new REM contracts via garrison funds at Fort Bragg (1), Fort Campbell (2) and for Oregon National Guard (3).

### **Commercial Utilities Program**

**Purpose** – This centrally funded program ensures utilities are purchased using the best terms and rates available, and utilities are resold to garrison tenants in compliance with policies and regulations at fair rates. The Army averages six utility rate hearings annually at which utility companies seek rate increases of from 6 to 22 percent. The Commercial Utilities Program (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. The program has achieved savings and cost avoidances totaling more than \$108 million since 2004.

**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. Approximately \$30,000 was recovered when the Army was charged for invalid taxes by a utility company. This office also approves utility contracts.

### **Energy Engineering and Analysis Program**

Energy Engineering Analysis Program (EEAP): From a \$60,000 program in 2008 to \$20M in 2011, the Energy Engineering Analysis Program (EEAP) leverages expertise and the capabilities of US Army Corp of Engineers (USACE) and Department of Energy (DOE) labs and contracted subject matter experts. This effort includes: 1) energy consumption assessments for selected facilities/ installations, 2) evaluation, identification and recommendations of implementation options for energy conservation projects (renewable and non-renewable), 3) overseeing implementation of selected options, 4) assistance in sustaining local energy programs, 5) providing energy-related training and 6) water conservation and waste water treatment. The EEAP program is mandated under AR 420-1.

**FY2011** - Army Capital Investment Strategies were completed for EEAP Surveys at Forts Greely, Wainwright, Myer/McNair, Meade, Leonard Wood, and Jackson; Picatinny Arsenal, Yuma and Proving Ground. Specialized energy studies were conducted at Fort Hunter Liggett, Fort Bliss and Camp Zama, Japan.

USACE Civil Works EEAP surveys were completed in FY 2011 at Raystown Lake, PA; John H. Kerr Lake and Dam, VA; St. Louis Service Base, MO; Buffalo District HQ, NY; and Humphreys Engineering Center, VA.

Defense Logistics Agency EEAP surveys were completed in FY 2011 at Tobyhanna, PA; Susquehanna, PA; Norfolk, VA; Cherry Point, NC; Barstow, CA; and Corpus Christi, TX.

The 88th Readiness Support Center EEAP surveys were completed at Milwaukee, WI; with Arlington Heights, VA, and Fort Sheridan to follow quickly behind. An Air Education Training Command/Joint Base Operations San Antonio EEAP survey was completed.

At year-end, Levels 1, 2 and 3 assessments, as well as feasibility and specialty studies were awarded. Those awarded included US Army sites at Fort Bliss, TX; Fort Carson, CO; Fort Detrick, MD; Kwajalein Atoll, RMI; U. S. Military Academy, West Point, NY; Sierra Army Depot, CA; Crane Army Ammunition Activity, IN; Oregon National Guard; US

Army Reserve sites at Fort Hunter Liggett, CA; Parks Reserve Forces Training Area, CA; Fort Buchanan, Puerto Rico; Fort McCoy, WI; Air Force surveys at Vandenberg AFB, Lompoc, CA; DLA site at San Joachim, CA; and USMC sites in Okinawa.

### **Energy Conservation Investment Program (ECIP) Validation Program**

HNC supports the ECIP program as ECIP Validation Program Manager. HNC provides program and technical support to OACSIM by preparing and validating project DD Form 1391s and assisting with project status inquiries.

FY 2011 - 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 Army, Army Reserve, and National Guard to develop the ECIP Program 5-year Future Year Defense Program (FYDP) with an annual budget of \$50M.

### **Energy Execution Program**

**Purpose** – This program supports customers at Army garrisons, Department of Defense and other federal agencies with design and execution of energy specific technology projects. Funds for these projects are typically provided through Sustainment Restoration and Modernization (SRM) or ECIP.

ECIP is a MILCON-funded program to improve the energy efficiency of DoD facilities while reducing associated utility energy and non-energy related costs. ECIP is a key component of DoD's energy management strategy.

**FY 2011** – Huntsville assisted in awarding and executing 4 ECIP/MCA projects and over 15 SRM and Operation Maintenance Army (OMA) funded projects this year. The total for these projects was \$35M.

### **Installation Support Center of Expertise**

The ISCX links state-of-the-art business practices and innovative processes in its partnership with districts and other organizations by providing comprehensive and cost-effective support to DoD installations. Through centralized management with decentralized execution, ISCX leverages program management, engineering, contracting and legal matrix expertise embedded in its virtual project delivery teams.

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Acronyms:

ACP	Access Control Point
COS	Center of Standardization
CUP	Commercial Utilities Program
DoD	Department of Defense
ECIP	Energy Conservation Investment Program
EEAP	Energy Engineering Analysis Program
ESPC	Energy Savings Performance Contracts
ESS	Electronic Security Systems
FRR	Facilities Repair and Renewal
FY	fiscal year
HNC	U.S. Army Engineering and Support Center, Huntsville
HVAC	heating, ventilation and air conditioning
IDIQ	indefinite delivery-indefinite quantity
IMCOM	Installation Management Command
IMMSS	Integrated Modular Medical Support Systems Program
IOT	Initial Outfitting and Transition Program
ISCX	Installation Support Center of Expertise
MEDCOM	(U.S. Army) Medical Command
MILCON	Military Construction
MDMS Meter	Data Management System
MRR	Medical Repair and Renewal
REM	resource efficiency managers
UMCS	Utility Monitoring and Control Systems
USACE	U.S. Army Corps of Engineers