

The

US Army Corps
of Engineers®

GWOT Reconstruction Report

Supporting the Global War On Terror Through Construction & Sustainment

Lightning over Tarin Kowt

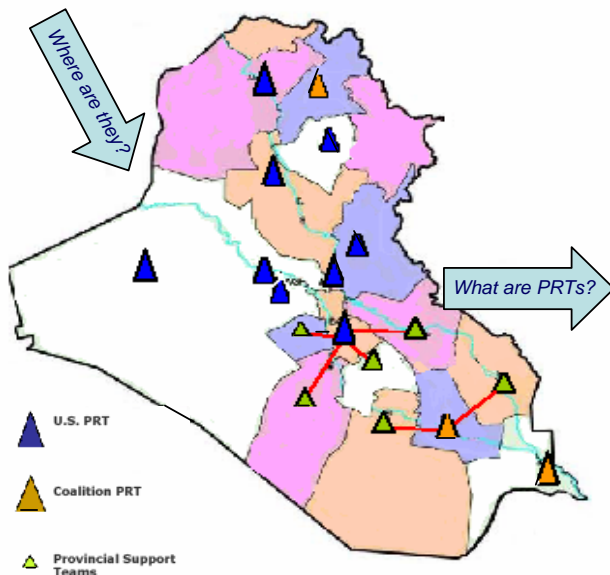


Lightning highlights Forward Operating Base Tarin Kowt. Tarin Kowt area construction includes road building and Afghanistan National Police/Afghan National Army facilities construction. USACE civil engineers work side by side with Dutch, Afghan, and Australian counterparts. Tarin Kowt is the capital of the Uruzgan Province, north of Kandahar. (Photo by Matthew Rowe)

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Iraq Provincial Reconstruction Team Snapshot:



PROJECT UPDATE: Gulf Region Division

Project Totals...As of July 13, 2,979 Iraq Relief and Reconstruction Fund projects have been completed out of the 3,392 planned. Under the Commander's Emergency Response Program (CERP), there have been 6,573 projects completed out of the 7,832 planned. CERP is designed to enable local commanders in Iraq and Afghanistan to respond to urgent humanitarian relief and reconstruction requirements within their areas of responsibility by carrying out programs that will immediately assist the local population.

Ramadi Generation Installation Completed...

An Iraqi contractor completed the \$451,000 Kabeer Water Treatment Plant generator installation project in Ramadi, Al Anbar Province. The contractor supplied materials, labor and equipment necessary to perform installation of generators, transfer switches, cable, and a fuel tank. The work will provide additional power capacity for the nearby Kabeer Water Treatment Plant which provides clean drinking water to approximately 400,000 residents.

PHCs Completed ...The Iraqi Ministry of Health accepted eight completed primary healthcare centers from the U.S. Army Corps of Engineers (Gulf Region Central). So far, there have been over 20 PHCs turned over to the Iraqis.

Children's Hospital Update...The Basrah Children's Hospital is 57% complete and work remains ahead of schedule. The 94-bed hospital will specialize in children's cancer research and treatment. The U.S. has contributed about \$95 million toward the \$157 million overall cost needed to build the facility and to make it fully operational.

About GRD:

The [Gulf Region Division](#) was activated on Jan. 25, 2004. It operates with three district offices located throughout Iraq and a division headquarters office in Baghdad. The GRD provides quality, responsive, full spectrum engineering in Iraq in support of military and civil construction, delivers logistical services, and assists the Government of Iraq to assume full responsibility for national reconstruction.

PRTs are relatively small operational units comprised not just of diplomats, but military officers, development policy experts (from the U.S. Agency for International Development, the Department of Agriculture, and the Department of Justice), and other specialists (in fields such as rule of law, engineering, and oil industry operations) who work closely with Iraqi provincial leaders and the Iraqi communities that they serve.

PRTs help to extend the reach of the Iraqi government to all corners of the country and help build the stability necessary to complete the transition to full-Iraqi control.

PRTs support Iraqis through targeted assistance (such as microloans and grants) to help them start new small businesses and create jobs, provide services that meet the local needs of their communities, and develop the capacity to govern in an effective, sustainable way.

Source: Department of State

Continued on Page 2



PROJECT UPDATE: Afghanistan Engineer District

Afghan National Police Projects... The Afghan National Police Program has grown to over \$1billion in FY 2007. There are 42 new District Police Headquarters under construction. Another 73 are scheduled for award later this year. In addition to the Border Patrol Headquarters, 3 new Border Patrol Company facilities,

About the Afghanistan Engineer District

The [Afghanistan Engineer District](#) was activated in March 2004. AED conducts construction and engineering operations in the Central Asian Republics to facilitate the establishment of a secure and stable environment while promoting reconstruction and infrastructure development. AED people manage programs and projects that support the International Security Assistance Force, Combined Security Transition Command – Afghanistan, Regional Command – East, U.S. Agency for International Development, and other organizations.

1 Border Patrol Brigade Headquarters, 1 Border Patrol Battalion Headquarters and a Regional Command Center are also under construction.

Road Construction Update... During FY05 and 06, there were 811.4 km of roadways under construction. For FY07, the road length to be constructed is estimated at 1,405 km, almost doubling the previous two years.

Afghan National Police Projects... The Combined Security Transition Command - Afghanistan requested AED to develop and issue request for proposals for three remote sited Afghanistan National Army garrisons. AED has completed 9 of 14 brigades facilities with 1 under construction.

Micro-Hydropower Critical to 90 Communities... Under the Commanders Emergency Response Program, AED is implementing a micro-hydropower program to provide electricity for the first time to over 13,000 families in over 90 communities in the eastern sector of Afghanistan. Many of these sites are in areas so remote that construction materials must be transported by pack animals or by hand.



KABUL, Afghanistan - Colonel Miroslav P. Kurka assumed command of the U.S. Army Corps of Engineers' Afghanistan Engineer District from outgoing Commander Colonel William E. Bulen during a change of command ceremony on July 9. (AED Photo)

Bridge Update: The Afghanistan-Tajikistan Bridge will be completed in mid-August, just short of nineteen months from when the project started on Jan. 27, 2006.

The 673-meter bridge will be opened to traffic by the Presidents of Afghanistan and Tajikistan at the end of August.

Professional Reading: Military Review Committing to Afghanistan: The Case for More Reconstruction and Stabilization Aid

By Capt. Craig C. Colucci, U.S. Army

Read the Military Review (May-June 2007) article:

<http://usacac.leavenworth.army.mil/CAC/milreview/English/MayJun07/Colucci.pdf>



PRTs Continued from Page 1: NEXT ISSUE - AFGHANISTAN PRTs.

There are currently 25 PRTs in Afghanistan. Twelve are US-led: Asadabad, Bagram/Parwan, Farah, Gardez, Ghazni, Jalalabad, Kala Gush, Khost, Mehtarlam, Panjshir, Qalat and Sharana (primarily in eastern Afghanistan). The rest are led by other countries: Bamian (New Zealand), Chaghcharan (Lithuania), Feyzabad and Kunduz (Germany), Herat (Italy), Kandahar (Canada), Lashkar Gah (UK), Maimana (Norway), Mazar-e Sharif (Sweden), Pol-e Khumri (Hungary), Qal-e Now (Spain), Tarin Kowt (the Netherlands) and Wardak (Turkey).

Substation Increases Distribution



MAYSAN, Iraq - The U.S. Army Corps of Engineers, Gulf Region South district has been upgrading the electrical distribution networks in the Maysan Province, building a 400-kilovolt electrical substation project to enhance electricity production in southern Iraq.

The \$36 million project assists in providing a reliable source of power to homes and businesses. The purpose of the project is to take the pressure off of the existing over-burdened substations, increase distribution within the region, and give the local electrical distribution department the opportunity to supply more electricity to Maysan. (USACE photo by Al Bahrani)



PROGRAM FACT SHEET: Iraq Reconstruction Project Metrics

Compiled By: John Daley, HQ USACE

•Over \$11.4 billion of the Iraq Relief and Reconstruction Fund (IRRF) has been disbursed by DoD, representing 84.2% of total funds allocated to DoD

•3,366 IRRF projects starts (out of 3,392 planned projects) and 2,979 projects are complete. This number includes the DoD projects funded by the IRRF and the Development Fund for Iraq (DFI)

(As of July 16)

**Video takes you to a project site
Projects Abound in Dahuk**

The province of Dahuk in northern Iraq is one of the most secure areas in the country. Because of this, it's seeing a high degree of success in infrastructure reconstruction.

**Run Time: 2:00****Watch the Video:**
<http://www.grd.usace.army.mil/video/playvideo.asp?ReleaseID=87>

Infrastructure Sector	Current Progress	Final Effects
Electricity	1,420 MW capacity added Increased power generation to 1.3 million homes 26 400kv and 132kv Substations 65 33/11kv Substations Hours of Power: Iraq – 12, Baghdad – 8 (last week average)	2,023 MW capacity added (2,699 MW for all USG projects) Increased power generation to 1.7 million homes 43 400kv and 132kv Substations 89 33/11kv Substations (126 total for USG) Hours of Power: 10-12 Iraq, 10-12 Baghdad
Oil	3 Million Barrels Per Day (MBPD) production capacity Over 2.0 MBPD actual production Liquefied Petroleum Gas (LPG) production capacity of 3,000 Tons per Day	3.0 MBPD oil production capacity LPG production capacity of 3,000 Tons per Day
Water & Sewer	Added 540,000 cubic meters per day of water treatment capacity (benefits an estimated 3.1 million Iraqis)	1,136,000 cubic meters per day of water treatment capacity (will benefit approximately 5.2 million Iraqis. All USG projects will benefit 8.4 million Iraqis)
Health	45 IRRF-funded Primary Healthcare Centers (PHC) completed 16 IRRF-funded hospital rehabilitation projects completed	142 PHCs serving a population of 5 to 6.5 million Iraqis 25 IRRF-funded hospital rehabilitation projects
Education	810 IRRF-funded schools providing classrooms for 324,200 students	810 IRRF-funded schools providing classrooms for 324,000 students
Security & Justice	4 Training Academy Projects 93 Fire Station Projects 265 Border Forts	4 Training Academy Projects 95 Fire Station Projects 265 Border Forts
Transportation & Communications	38 IRRF-Village Road Projects (318 km) 96 Railway Station Renovations 14 IRRF Aviation Projects Provided emergency response dispatch system ('911' service) covering 12 million Iraqis in 15 cities	41 IRRF-Village Road Projects (427km) 98 Railway Station Renovations 19 IRRF Aviation Projects



Capacity Development – Vital to Rebuilding Success

First of Two Parts

By Sheryl Lewis
Capacity Development Program Manager
HQ, U.S. Army Corps of Engineers

The U.S. Government's (USG) success in rebuilding the infrastructure in Iraq and Afghanistan will be measured in terms of whether the completed facilities function and produce the services as planned over the long term. To meet this need, the focus has turned towards Sustainability. Sustainability means that the local staff manages, operates, and maintains the new or refurbished facilities, systems, and equipment upon handover, without additional support from the USG or other coalition partners.

Capacity Development (CD) is one of the prerequisites for Sustainability and encompasses a wide range of activities from the highest level of government structure and policy to training of operations and maintenance staff at a newly constructed facility. CD is one of the basic tools being used by the U.S. Army Corps of Engineers' Gulf Region Division (GRD) and Afghanistan Engineer District (AED) to transfer knowledge, skills, and abilities to the Iraqi and Afghan workers at various infrastructure facilities. This process is a critical step in preparing them to assume control of completed infrastructure.

Sustainability means that the local staff manages, operates, and maintains the new or refurbished facilities, systems, and equipment upon handover, without additional support from the USG or other coalition partners.



Iraqi workers trouble-shooting power lines. The CD program provides training for these types of repair activities. (GRD Photo)

CD takes place at five interdependent levels (Policy, Laws and Regulations, Inter-Organizational, Ministry, and Infrastructure) and involves a number of different organizations. In order to successfully implement CD across all five levels, mutually supportive activities must be properly coordinated and sequenced.

Although GRD, AED, and their contractors work primarily at the infrastructure level (Level 5), GRD and AED recognize that Level 5 activities are dependent on Levels 1 through 4 being in place to provide the framework for infrastructure sustainability.

NEXT ISSUE: [Explanation of Capacity Development Levels](#)

Capacity Development In the News

- The Royal Government of Norway has donated \$2.2 million to support the operation and set-up of the Afghan Civil Service Institute. It is expected that the Afghan Civil Service Institute will become the centerpiece for the development of the Afghan Civil Service. A training and management group will be responsible for the planning of the delivery of training and coaching which will include financial and human resources, needs assessments, and certification of participants.
- The U.S. Trade and Development Agency is funding a \$2.5 million multifaceted training program for the Iraqi Ministry of Oil that addresses the issues of management, technical/engineering, and human resources development. The training is designed to respond to specific needs identified by the Ministry of Oil, and is providing critical knowledge transfer and establishing long-term relationships between the U.S. and Iraqi oil and gas industry public and private sector representatives.








(Emerging Markets Group Photo)

- The Embassy of Afghanistan hosted a group of representatives of the American Society of Civil Engineers, Society of Afghan Engineers, and U.S. businesses in Washington, DC last month. The gathering was part a series of events for a delegation of architects and engineering professors from Kabul University and Kabul Polytechnic University who were in the U.S. for a week-long training session. The program, entitled "Afghanistan Engineering Capacity Building: An Opportunity for U.S. Firms," brought together a diverse group of engineering and business professionals to discuss engineering methodologies and partnerships.



A Reconstruction Partnership

	Office of the Assistant Secretary of the Army (ASA) for Acquisition, Logistics and Technology (ALT) https://webportal.saalt.army.mil/main/aae.htm Assistant Secretary: <i>The Honorable Claude M. Bolton, Jr.</i>
 US Army Corps of Engineers®	HQ US Army Corps of Engineers – http://www.usace.army.mil/ Chief of Engineers and Commander of the U.S. Army Corps of Engineers: <i>Lt. Gen. Robert L. Van Antwerp</i> HQ US Army Corps of Engineers Director, Military Programs: <i>Brig. Gen. Merdith W. B. (Bo) Temple</i> US Army Corps of Engineers – Gulf Region Division http://www.grd.usace.army.mil/index.html Commanding General: <i>Brig. Gen. Michael J. Walsh</i> US Army Corps of Engineers – Afghanistan Engineer District http://www.aed.usace.army.mil/ Commander: <i>Col. Miroslav P. Kurka</i> US Army Corps of Engineers – Transatlantic Programs Center Commander: <i>Col. Lawrence Sansone</i>
	Joint Contracting Command – Iraq/Afghanistan http://www.rebuilding-iraq.net JCC-IA provides responsive operational contracting support to the Chief of Mission and Multi-National Corps - Iraq to efficiently acquire vital supplies, services and construction in support of the Coalition Forces and the relief and reconstruction of Iraq. Commander: <i>Maj. Gen. Darryl A. Scott, USAF</i>
	U.S. Department of State http://www.state.gov The State Dept. represents the U.S. overseas and conveys U.S. policies to foreign governments and international organizations through American embassies and consulates in foreign countries and diplomatic missions. The department negotiates and concludes agreements and treaties and coordinates and supports international activities of other U.S. agencies.
	U.S. Agency for International Development http://www.usaid.gov/iraq USAID is an independent federal government agency that receives overall foreign policy guidance from the Secretary of State. USAID advances foreign policy objectives by supporting economic growth, agriculture, global health, democracy, conflict prevention and humanitarian assistance.

Commander, USACE

Lt. Gen. Robert L. Van Antwerp

Director, HQ USACE Public Affairs

Suzanne Fournier (202) 761-0011

Chief, Public Affairs, Gulf Region Division

Grant Sattler (540) 665-1233

Chief, Public Affairs, Afghanistan Engineer District

MSgt. Mark Rodgers (540) 678-2984

Chief, Public Affairs Transatlantic Programs Center

Joan Kibler (540) 665-4085

HQ USACE Public Affairs Program Manager

Doug Garman (202) 761-1806

HQ USACE Editor/Writer

Ron Eschmann

Metrics Manager

John Daley

About the U.S. Army Corps of Engineers The U.S. Army Corps of Engineers (USACE) is made up of approximately 32,000 Civilian and 650 military members. USACE military and civilian engineers, scientists and other specialists work hand in hand as leaders in engineering and environmental matters. USACE serves the Armed Forces and the Nation by providing vital engineering services and capabilities, as a public service, across the full spectrum of operations—from peace to war—in support of national interests. Corps missions include five broad areas: water resources, environment, infrastructure, homeland security, and warfighting.

**GWOT
RECONSTRUCTION
REPORT**

This report can be found on the following DoD websites: Army Homepage, U.S. Central Command, Multi-National Force – Iraq, Digital Video and Imagery Distribution System, USACE Gulf Region Division, and USACE Afghanistan Engineer District.

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