

Gulf Region Division, U.S. Army Corps of Engineers Cumulative Reconstruction Snapshot

(Data compiled as of 12 Sep 2008)

Reconstruction efforts are a vital component to Iraq's progress toward democracy.

Despite 25 years of neglect and a costly insurgency, Iraq's infrastructure is bouncing back and U.S. assistance projects are having a real impact on the lives of its people, rebuilding Iraq's infrastructure, supporting the emergence of democracy, and establishing a foundation for a strong economy.

U.S. efforts were intended to jumpstart reconstruction. The success of reconstruction is dependent on Iraqi funding, donor nation support, and security.

It will take time and considerable resources to rebuild Iraq after years of neglect under Saddam's rule. U.S. funds are only a part of the overall broader effort, which will be continued with Iraq's own enormous human and capital resources, and the support of other donor nations.

Statistics below reflect the projects funded under Iraq Relief and Reconstruction Fund (IRRF), Developmental Fund of Iraq (DFI), Commander's Emergency Response Fund (CERP), Economic Support Fund (ESF), and Iraq Security Forces Fund (ISFF).

(Note: Data was compiled by the contractor, Stanley Baker Hill, LLC, from the Iraq Reconstruction Management System (IRMS) database of construction projects in Iraq. Data is pulled from the GRD Benchmark table in IRMS. Data is subject to change as more project information is entered. This does not include non-construction investments such as equipment purchases, training, and some security.)

At transfer of sovereignty in June 2004, there were just 200 projects started.

As of 02 Sep 08, USACE/GRD has:

- **73** additional planned projects – construction cost of \$279.56M; program cost of \$299.33M
- **4,151** projects completed – construction cost of \$6.2 B; program cost of \$6.5 B
- **328** projects ongoing – construction cost of \$1.5B; program cost of \$1.6B
- **43** projects are awarded not started

Electricity

- USACE has 0 future projects planned, 576 projects completed and 26 on-going.
- Of the joint GOI-Coalition 6,000 megawatt goal, 5638 megawatts was achieved in AUG 2008. To date the USG has added new or restored, 2659MWs, with GRD projects specifically contributing 1920MWs to that number. The remaining GRD generation project (Qudas expansion) will add the final 240MWs this winter and will complete the GRD goal of 2160MWs, making the overall US contribution nearly 3000MWs.

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- Strengthened and stabilized the electrical transmission grid through the completion of 32 132/400kV substations and 11 overhead line projects
- Completed construction of 87 33/11kV substations

Oil

- USACE has 0 additional projects planned, 129 projects completed and 0 ongoing
- 3.0 million barrels per day of planned capacity has been met
- Natural gas production capacity metric of 800 M standard cubic feet per day has been met
- Liquefied petroleum gas (LPG) production capacity metric of 3,000 tons per day has been met

Energy

- Low water levels impact the operation of the Hydro power plants, but also limit the effectiveness of the thermal power plants due to insufficient cooling water flow and debris build up on the condenser heat exchangers. These condenser intakes were designed to use water below the level of the floating debris and algae, however with the low water levels these items are contaminating the intakes. There are hundreds of megawatts lost at the thermal plants because of this problem.
- Electricity demand is continuing to increase, in part due to the construction of all of these new projects. Most of these GOI projects are a higher electrical priority in drawing power from the grid. The rate of adding new generation is not keeping pace. The residential user is the one who is impacted most.
- New power plants are large and require years to build. 14-18 months for a Gas turbine power plant once the units arrive on site. The real problem is that contracting and financing has to be in place before the work will start and the GOI is having difficulty making quick progress with getting everything in place and the necessary long lead equipment on order (EPCs). Thermals take 4-5 years at a normal pace, but one can only cut off maybe a year with acceleration. GOI has so far been unwilling to pay acceleration costs to build plants faster.
- The residential user is 2-3 years away from seeing relief from the electrical crisis.
- Projects: US investment in major Oil and Electricity projects is over. The GOI has assumed the lead. Coalition leadership has been working with GOI senior leader on solutions and the coalition has provided recommendations to the GOI.

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- USG transition is from projects to capacity development. USG is continuing to train GOI personnel on system planning, contracting, project management and construction management.

Water

- IRRF projects have provided potable water to 4.7 million people, with service to 500K more on the way. Of the 1.1 million cubic meters per day of potable water planned for IRRF, 0.9 million cubic meters per day of water treatment capacity has been achieved
- IRRF projects added 900,000 m³/day production thus far (nation-wide)
- Major complete projects:
 - Erbil (Ifraz) water supply
 - Nassiriyah water supply
 - Sinjar water supply
 - Balad Ruz
 - Enhancements to 3 Baghdad plants (Wathba, Wahda and Karkh)
 - New pumps for Sadr Al Qanat pump station
- Irrigation projects have added 109,000 ha of irrigated farm land
- Latest project to finish was Diyala Weir, finished in August
- 278,000 ha to come with Nassiriyah Drain Pump Stn and East Euphrates Drain
- GRD Water Sector Sustainment program trained more than 2,500 technicians and bought spare parts and maintenance trucks to enable sustainment of compact water units (\$47M program)
- 24 additional water supply projects planned, 803 completed and 100 ongoing
- Of those, 591 are water treatment and sewage projects with 536 completed and 55 on-going
- Of the 1.1 million cubic meters per day of potable water planned for IRRF, 0.9 million cubic meters per day of water treatment capacity has been achieved affecting 4.7 million people
- 0.2 million cubic meters per day of water treatment capacity is under construction
- Water quality in Baghdad is monitored regularly with results posted at <http://www.mayoralty-baghdad.com/waterklor.htm>
- Iraq's water quality standards are equal to World Health Organization standards
- Most problems with water quality are due to poor distribution networks and illicit connections, not the water plants

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Facilities

- 42 additional projects planned; 2,678 completed; 162 ongoing

Transportation and Communication

- Completed 233 village road projects, an additional 15 village road projects are on-going
- 114 railroad renovation projects of which 112 are complete
- 23 of 26 aviation projects are complete, improving 8 airports
- Completed 8 port projects

Building, Health and Education

- Of the 142 IRRF funded Primary Healthcare Centers, 119 are turned over to the Iraqi Ministry of Health; 13 projects are on-going; 10 were descope due to: destroyed by insurgent activity (7), major structural deficiencies (1) and security issues (2)
- For hospital renovation projects, 2 additional projects are planned, 11 are ongoing and 40 are completed; 5 ESF health clinics are currently ongoing.
- This increases the capacity to treat approximately 3.25M patients in hospitals and 630,000 outpatients at the PHCs annually
- 199 schools are currently under renovation/construction; 2915 have been completed; 42 are planned; and 157 have been proposed
- 3 hospital new-construction projects ongoing; Basrah Children Hospital will be completed Dec 08; Musayib will be completed Nov 08 ; Maysan is scheduled to complete in May 09

Security and Justice

- Completed construction on 155 border posts and 14 Point of Entry facilities with 2 additional Point of Entry facilities under construction (MNSTC-I included)
- Completed 97 fire station projects
- Completed work on 50 courthouse projects with 33 projects on-going
- Constructing/rehabilitating 4 correctional facilities that will provide over 7500 beds and 1 correctional facility planned that will provide 1500 beds.
- 49 police stations under renovation/construction