

Data Sheet

USAID Mission:	Jordan
Program Title:	Water Resources Management
Pillar:	Economic Growth, Agriculture and Trade
Strategic Objective:	278-008
Status:	New in FY 2004
Planned FY 2005 Obligation:	\$50,000,000 ESF
Prior Year Unobligated:	\$0
Proposed FY 2006 Obligation:	\$45,000,000 ESF
Year of Initial Obligation:	2004
Estimated Year of Final Obligation:	2009

Summary: USAID/Jordan's water sector program will provide technical assistance, engineering services, training, physical improvement of water facilities, and new construction for the water sector. Interventions include: improving and constructing water supply facilities; developing wastewater treatment facilities; improving water utilization/allocation; supporting institution strengthening and private sector participation; and promoting reuse of effluent, irrigation efficiency, environmental protection, conservation and demand management, and cost recovery. Jordanians will benefit from these improvements in the water sector through increased access to water and more transparent governance in water institutions.

Inputs, Outputs, Activities:

FY 2005 Program: Improve Access to Clean Water and Sanitation (\$37,000,000 ESF). USAID/Jordan will support the Zara-Ma'in Water Supply project to increase water availability for Amman and the Dead Sea resorts area and further rehabilitate the Greater Amman Water Network to decrease the amount of unaccounted-for-water. Contingency funds will be set aside for the As-Samra Wastewater Treatment Plant to cover changes in construction cost estimates. Support will be provided for the construction of two low-cost, low-technology wastewater treatment plants in small communities; partial funding for the construction of the South Amman collection system; and the initial construction costs for the main water transmission networks for the Northern Governorates. Finally, support will be provided to cover the engineering services for the Mafraq wastewater treatment plant. Principal contractors: MW Harza Engineering, Black & Veatch Corporation, Morganti, Hazen & Sawyer, Louis Berger, Ondeo Degremont, Inc., International Resources Group (IRG), Consultant Engineering Center (sub), SIGMA Consulting Engineering (sub), ArabTech Jordana (sub), Hisham Wadi Construction (sub), and Camp, Dresser, & McKee.

Improve Sustainable Management of Natural Resources and Biodiversity Conservation (\$7,500,000 ESF). A new water demand management project will be initiated in the summer of 2005 to follow on a very successful program completed in FY 2005. Also, USAID/Jordan will support a program to promote conservation of water used in industrial processes and reuse of reclaimed wastewater for five industries, three farms, and two environment streets; support a financial accounting system to install internationally recognized accrual-based accounting; and undertake an audit of the construction contracts and the management contract for the Greater Amman water supply system. USAID will also start implementation of an information technology master plan to improve the water sector information systems platform. Principal contractors: Camp, Dresser & McKee, Development Alternatives, Inc., and Abt Associates.

Reduce, Prevent and Mitigate Pollution (\$3,000,000 ESF). USAID/Jordan will support watershed protection through land zoning and source water protection. USAID will also support groundwater monitoring and evaluation by improving the quality of groundwater data and enhancing enforcement regulations. Principal contractors: Camp, Dresser & McKee, Associates in Rural Development, Inc.

Promote Public-Private Alliances as a Principal Business Model (\$2,500,000 ESF). USAID will invest in a new project to assess the potential for private sector involvement in the Greater Amman area. USAID/Jordan will also fund training for 130 employees of the Aqaba Water Company, Jordan's first water company to use a private management model. Principal contractors: Chemonics International.

FY 2006 Program: Improve Access to Clean Water and Sanitation (\$17,000,000 ESF). USAID/Jordan will continue to support several infrastructure projects, including construction engineering services to pilot a low-cost, low-technology wastewater treatment plant in a small community, construction of the main water transmission networks for the Northern Governorates, and rehabilitation of the Tafillah Wastewater Treatment Plant. Principal contractors: IRG; Camp, Dresser & McKee.

Improve Sustainable Management of Natural Resources and Biodiversity Conservation (\$12,000,000 ESF). USAID/Jordan will support a new water demand management initiative for industry, agriculture, and landscaping, and a financial accounting system for water sector agencies. Funding will be required for new projects in institution strengthening and capacity building. Principal contractors: Camp, Dresser & McKee, Development Alternatives, Inc., Abt Associates.

Reduce, Prevent and Mitigate Pollution (\$8,000,000 ESF). Continuing support will be provided for watershed management. Support may be provided for a pilot demonstration fish garden and educational park using the brine discharged by the Zarqa desalination plant (seed money for this initiative was approved under SO 278-002). Continuing support will improve the management of medical and hazardous waste through technology and knowledge transfer, and strengthen the Ministry of Environment by involving them in water and environmental capacity-building projects. Principal contractors: Camp, Dresser & McKee, City Links, Jordan University of Science and Technology, International City/County Management Association, and Greater Amman Municipality.

Increase Agricultural Productivity (\$4,000,000 ESF). The Knowledge for Action Fostering Advances in Agriculture (KAFA'A) project will require incremental funding to change on-farm practices and improve cropping patterns. Principal contractor: Academy for Educational Development.

Promote Public-Private Alliances as a Principal Business Model (\$3,000,000 ESF). USAID plans to initiate a program that will improve the Jordan Valley Authority's management and operations of reservoir and irrigation systems. This program will further support USAID's efforts to increase private sector participation in the water sector. Principal contractors: to be determined (TBD).

Protect and Increase the Assets and Livelihoods of the Poor During Periods of Stress (\$1,000,000 ESF). USAID/Jordan will fund a new program to provide grants to rural grassroots communities to help them adapt to water scarcity by improving their water use efficiency. This program will improve their living standards and augment their incomes. Principal contractors: TBD.

Performance and Results: Major achievements were accomplished this year both to increase Jordan's water supply and promote more efficient use of water. Construction on the Zara Ma'in Water Supply project will significantly increase Amman's water supply. Similarly, the As-Samra wastewater treatment project, which serves the Amman metropolitan area, will make drinking water available through the reuse of reclaimed water, while also dramatically improving the quality of effluent currently discharging into the country's main reservoir. To improve water use efficiency, USAID is enhancing the capacities of water sector institutions by forming a National Reuse Coordination Committee, implementing a pilot program on hazardous waste in Amman, and producing soil/crop suitability maps and a geographic information system for parts of the Jordan Valley. Jordan's first public water/wastewater company, the Aqaba Water Company, commenced commercial operation, paving the way for private sector participation in the water sector. Furthermore, USAID programs improved operation and maintenance at Water Authority of Jordan (WAJ) treatment facilities and improved laboratory practices at WAJ and Ministry of Health laboratories for national drinking water testing. A set of Water Demand Management Principles for the region was announced, and a Masters Degree program on Water Demand Management was established at the Jordan University for Science and Technology. Over the next two years, major USAID-funded water supply and wastewater treatment facilities will go on line, further increasing the availability of water resources and enhancing the efficiency of water use. In addition, an industrial wastewater treatment plant in Zarqa will be constructed, which will improve sustainable management of resources and promote public-private sector alliances.

US Financing in Thousands of Dollars

Jordan

278-008 Water Resources Management	ESF
Through September 30, 2003	
Obligations	0
Expenditures	0
Unliquidated	0
Fiscal Year 2004	
Obligations	39,600
Expenditures	0
Through September 30, 2004	
Obligations	39,600
Expenditures	0
Unliquidated	39,600
Prior Year Unobligated Funds	
Obligations	0
Planned Fiscal Year 2005 NOA	
Obligations	50,000
Total Planned Fiscal Year 2005	
Obligations	50,000
Proposed Fiscal Year 2006 NOA	
Obligations	45,000
Future Obligations	250,000
Est. Total Cost	384,600