

Data Sheet

USAID Mission:	Kyrgyzstan
Program Title:	Energy and Water
Pillar:	Economic Growth, Agriculture and Trade
Strategic Objective:	116-0161
Proposed FY 2004 Obligation:	\$1,860,000 FSA
Prior Year Unobligated:	\$250,000 FSA
Proposed FY 2005 Obligation:	\$1,350,000 FSA
Year of Initial Obligation:	2001
Year of Final Obligation:	FY 2006

Summary: USAID assistance is helping Kyrgyzstan improve the management of the nation's energy, water, and agricultural resources. Because Kyrgyzstan has access to few oil and natural gas resources and has yet to implement tariffs and decrease energy losses to offset fuel imports, the country uses excessive amounts of hydroelectric power for winter heating. Kyrgyzstan is able to do this because its mountain ranges capture abundant snowfall and because it is home to the region's major dams and hydro-electric power-generating facilities. Downstream water users are dependent on the water stored in Kyrgyzstan for economically-important summer irrigation. Proper use of these facilities, with consideration of regional priorities, is important for reducing tensions in Central Asia.

Inputs, Outputs, Activities:

FY 2004 Program:

Improve Financial Viability and Reduce Losses Within the Energy Sector (\$600,000 FSA, \$250,000 FSA carryover). USAID will focus on reducing energy losses, through the provision of equipment, training, and public outreach. Building on demonstration models that properly measure losses and improving metering, billing, and collections, USAID will help the utility sector in Kyrgyzstan increase revenues to support the system. In anticipation of rising energy prices, USAID is helping entities in the health and education sectors to implement pilot projects and conduct public education to lower energy costs. In 2004, a small hydro-power project near the village of Jangy-Naukat, a largely Uzbek community in Osh Oblast, will be completed. The new system will serve the local school, health facility, and various businesses. It is estimated that at least 120 new jobs will be created in local fruit and juice processing, garment manufacturing, knitting, and similar light industries. Principle contractor/grantee: PA Government Services.

Water User Association Support (\$1,000,000 FSA). USAID will broaden and strengthen its assistance to newly-formed Water User Associations (WUA) in Kyrgyzstan. The program will: develop irrigation system demonstration models and/or techniques that use water more efficiently; promote and stimulate WUA policy and procedural reforms and replications of demonstration models and training; conduct public outreach campaigns and training to promote replication of WUAs to donors, international financial institutions, NGOs, citizens, and local and state government agencies; and implement a competitive small grants program to assist WUAs. Types of assistance supported by the small grants program will include purchase of field or office equipment, infrastructure repair, and training. Principal contractors/grantees: PA Government Services and another partner to be determined.

Regional Cooperation in Water (\$260,000 FSA). USAID will work with Kyrgyzstan authorities to develop functional operating regimes for major dams and thereby improve management of water resources. USAID's assistance will ultimately provide resource managers in Kyrgyzstan and downstream countries with important data, enabling them to ensure that national needs are met with available resources. USAID will continue work on bilateral and multilateral agreements for regional energy markets and water-sharing. Principle contractor/grantee: PA Government Services (prime).

FY 2005 Program:

Improve Financial Viability and Reduce Losses Within the Energy Sector (\$300,000 FSA). USAID will focus on reducing energy losses, through the provision of equipment, training, and public outreach. Building on demonstration models that properly measure losses and improving metering, billing, and collections, USAID will help the utility sector in Kyrgyzstan increase revenues to support the system. In anticipation of rising energy prices, USAID is helping entities in the health and education sectors to implement pilot projects and conduct public education to lower energy costs. In 2004, a small hydropower project near the village of Jangy-Naukat, a largely Uzbek community in Osh Oblast, will be completed. The new system will serve the local school, health facility, and various businesses. It is estimated that at least 120 new jobs will be created in local fruit and juice processing, garment manufacturing, knitting, and similar light industries. Principle contractor/grantee: PA Government Services.

Water User Association Support (\$800,000 FSA). USAID will broaden and strengthen its assistance to newly-formed Water User Associations (WUA) in Kyrgyzstan. The program will: develop irrigation system demonstration models and/or techniques that use water more efficiently; promote and stimulate WUA policy and procedural reforms and replications of demonstration models and training; conduct public outreach campaigns and training to promote replication of WUAs to donors, international financial institutions, NGOs, citizens, and local and state government agencies; and implement a competitive small grants program to assist WUAs. Types of assistance supported by the small grants program will include purchase of field or office equipment, infrastructure repair, and training. Principal contractors/grantees: PA Government Services and another partner to be determined.

Regional Cooperation in Water (\$250,000 FSA). Water programs will focus on providing Kyrgyz decision makers with technological and structural solutions to better collect, process, and transmit critical water data; and will help develop trust between countries over shared resources. USAID will work with Kyrgyzstan authorities to develop functional operating regimes for major dams and thereby improve management of water resources. USAID's assistance will ultimately provide resource managers in Kyrgyzstan and downstream countries with important data, enabling them to ensure that national needs are met with available resources. USAID will continue work on bilateral and multilateral agreements for regional energy markets and water-sharing. Principle contractor/grantee: PA Government Services (prime).

Performance and Results: Progress by Kyrgyzstan to make improvements in the nation's energy system has been sluggish. However, there are indications this is changing with donor assistance. Successful heating efficiency projects have been completed at two schools in Kara Balta, achieving energy savings of 20% last year and anticipated higher savings this year. Local leaders and residents alike are convinced of the benefits of heating systems that automatically adjust to heating requirements and thereby diminish costs and create a more comfortable learning environment. In the energy loss reduction program, equipment has been installed and training is enabling specialists to better identify where losses are taking place and how they can be addressed. USAID continued to introduce new technologies, software, and equipment to enhance the capability of the Kyrgyz government's weather and water forecasting centers in Bishkek and Osh. Specialists are using USAID training and equipment on a daily basis to forecast, plan, and share data regionally. Equipment and personnel at the centers now meet the standards of the World Meteorological Organization.

By program completion, demonstration models will be in place to improve heating efficiency, reduce energy losses in transmission systems, and harness hydropower, and specialists will be trained to effectively utilize and replicate models. An improved system of collecting, analyzing, and transmitting water data also will be fully implemented. Finally, a greater number of WUAs will be in place and operating in a more favorable legislative environment.