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CENTRAL ASIAN REPUBLICS

USAID's Knowledge Based Activities in Energy-Water

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and Trade (RESET) Program

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USAID's objectives in its knowledge-based activities:

Create an economically viable regional power market through a common understanding of shared challenges

Promote dialogue to achieve mutually beneficial resolution of controversial issues

Provide exposure to international experience and options adopted in addressing similar challenges



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USAID's approaches to knowledge-based activities:

- Institutional capacity development
- Direct assistance through knowledge transfer and capacity building
- Support for needed analyses of key issues and potential opportunities



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Recent knowledge transfer and capacity building (WP Element 1):

- USAID commissioned a study, through its Regional Energy Security, Efficiency and Trade (RESET) Program, of the effects of the CASA-1000 project on the stability of the Central Asia Power System after reconnection of Tajikistan.
- The study has been completed and is currently undergoing internal review.

Recent knowledge transfer and capacity building (WP Element 1 continued):

- USAID continues to support the CASA-1000 Secretariat and its Executive Director. Provides technical analysis, legal assistance, logistical support, as well as knowledge transfer and capacity building for CASA Joint Working Group (JWG) and Legal Subcommittee (LS) members.
- Organizes and leads the CASA-1000 JWG and LS meetings to conclude the core project commercial agreements.



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Recent knowledge transfer and capacity building (WP Elements 2 and 6):

- University-level lecture notes for an introduction to the basics of competitive power markets were prepared based on Steven Stoft's book "Power System Economics; Designing Markets for Electricity" and the notes are in use in a Kazakhstan University; can share the lecture notes with other CAREC institutions.
- The lecture notes were developed in Russian primarily for use in institutions in the former Soviet Union and consist of a set of eleven lecture notes and four exercises.



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Recent knowledge transfer and capacity building (WP Elements 2 and 6 continued):

- Work continues on an abbreviated and modified English version of the lecture notes.
- RESET will consider providing a limited number of copies of Mr. Stoft's book to accompany the lecture notes.
- Anyone interested in the lecture notes can contact me or Oleg Ryaskov of RESET:
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Recent knowledge transfer and capacity building (WP Elements 2 and 6 continued):

- As part of the RESET project, USAID in conjunction with Aga Khan Foundation provided funding to the Tajik utility, PamirEnergy, to extend power lines cross-border to electrify three remote Afghan villages.
- In addition to construction and installation of power lines and substations, the project included training and capacity building; villagers participated in construction work and support the system's operation.



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Recent knowledge transfer and capacity building (WP Elements 2 and 6 continued):

- Seminars in KG and TM on:
 - Analysis of financial statements in energy sector review and appraisal
 - Personnel selection and evaluation systems
 - Enhancement of Excel skills for energy sector regulation
 - High level conference on energy sector reforms in KG
 - Renewable Energy and Smart Grids



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Knowledge transfer and capacity building (Planned national activities):

- Management and business processes for utilities
- Financial accounting for utilities
- Independent Regulators
- Settlement centers
- Competitive power markets
- Continued IT capacity building with an emphasis on integration to permit communication of different systems:
 - Short- and medium-term IT development strategy
 - Standards for information systems' exchange
 - IT management systems and enterprise resource planning
 - AMR/AMI (advanced metering infrastructure) and SCADA
 - Billing systems



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Recent knowledge transfer and capacity building (Planned regional activities):

- USAID is also in discussions with CAREC concerning support for up to five representatives from each of the five countries of Central Asia to attend at least one and possibly two workshops being considered by CAREC this year.



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Thank You!

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