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USAID's Knowledge Based Activities in Energy-Water

Laura Gonzalez, USAID
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USAID's objectives in its knowledge-based activities:

- Foster a common understanding of shared challenges related to creating an economically viable regional power market
- Facilitate dialogue on win-win solutions to challenges
- Exposure to similar international experience



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USAID's approaches to knowledge-based activities:

- Provide support for analyses of key issues and potential opportunities
- Direct assistance through knowledge transfer and capacity building
- Development of institutional capacities



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

- Organizing and leading the CASA-1000 joint working group (JWG) meetings
- Providing technical analysis and capacity-building for the CASA JWG members and the CASA-legal subcommittee members
- Study of the effects of CASA-1000 on the stability of the Central Asian Power System after reconnection of Tajikistan being undertaken by USAID through its Regional Energy Security, Efficiency and Trade (RESET) Project.



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Recent knowledge transfer and capacity building (WP Element 3):

- Study tour of Aral Sea-Basin riparians to examine the US-Canada Columbia River Treaty
- Modeling of economic aspects of energy-water linkages and training of trainers on the model



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

- Analysis of the potential for gains from integration of the Kazakhstan-Kyrgyzstan wholesale power market
- University-level curriculum on the design and operation of power markets; can share curriculum with other CAREC countries' universities
- Regional seminars on transmission planning and renewables & energy efficiency



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

- Seminars in KZ, KG, TJ, and TM on:
 - Design and operation of power markets
 - Role and tasks of the system operator
 - Energy sector regulation
 - Regional and economic cooperation in CAR
 - International power trade potential
 - “Performance agreements”



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

- Information systems for energy markets and the energy sector has been a knowledge transfer focus area, with an emphasis on IT integration to permit communication of different systems installed by different donors, including capacity building on:
 - AMR/AMI (advanced metering infrastructure) and SCADA
 - Billing systems
 - Data exchange standards for the energy sector
 - IT security
 - IT development strategy, management modernization and enterprise resource planning
- This approach has received support from governments, donors and companies alike



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

- Management and business processes for utilities
- Financial accounting for utilities
- High level conference on energy sector reforms in KG
- Settlement centers
- Additional capacity building on:
 - Short- and medium-term IT development strategy
 - Standards for information systems' exchange
 - IT management systems and enterprise resource planning
 - AMR/AMI
 - Energy sector personnel selection and evaluation systems



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Thank You!