

World Bank Central Asia Energy Program Updates

Central Asia Regional Economic Cooperation
Energy Sector Coordinating Committee Meeting

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Central Asia Regional Economic Cooperation Program



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Key Themes for Improving Energy Service Delivery in Central Asia

- Revamping and modernizing energy supply infrastructure
- Commercializing and corporatizing sector operations and improving corporate governance of energy utilities



- Improving financial viability of energy utilities
- Reducing energy intensity and supporting transitions to clean energy economy
- Enhancing regional trade and inter-regional connectivity

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Country	Investment	TAs
Kyrgyz Republic	Electricity Supply Accountability Project	Energy Tariff Reform
	Heat Supply Improvement Project	Integrated Hydropower Development in the Naryn River Basin
Tajikistan	Nurek Hydropower Rehabilitation Project (Ph.1)	Tajikistan Energy Sector Strengthening
	Tajikistan Power Sector Financial Recovery	Sebzor HPP and Rural Electrification TA
	Rural Electrification Project	
Kazakhstan	Kazakhstan Energy Efficiency Project	Preliminary Assessment of Geothermal Energy Resources
Uzbekistan	District Heating Energy Efficiency Project	Energy Sector Strategy
	Modernization of Transmission Substation Project	Uzbekistan Small and Medium Hydropower Development Program
	Energy Efficiency Facility for Industrial Enterprises	Urban Heating Strategy
	Private Sector Power Generation Support Project	
Regional	CASA-1000 Project	Central Asia Regional Electricity Trade and Market Development
	CASA-1000 Guarantees	Capacity Development for Regional Cooperation in Power System Planning and Operations
		Analysis of Synchronized Operation Options of Afghanistan and CA Power Systems



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Central and South Asia Regional Energy Development

- **Emerging opportunities for cross-border energy trade and development of regional electricity markets with improved geopolitical relations in Central Asia**
 - Progress in CASA-1000 Project
 - Uzbekistan resuming gas supply to Tajikistan and agreement to reconnect and synchronize Tajikistan transmission network to Central Asia
 - Emerging interests in CASA third party access during non-supply period
 - Countries' interest in exploring expansion of CASA-1000 to other countries
 - Afghanistan's interest in synchronizing its power system with Central Asia
- **World Bank and development partners actively collaborating in advancing the regional connectively and energy market agenda**
 - TA for Central Asia Regional Power System and Trade Opportunities
 - TA for Capacity Building of CDC Energia on Regional Power System Planning and Operations
 - TA for Development of Options for Afghanistan Transmission System Synchronization with Central Asia
 - TA for Development of hydro power in Kyrgyz Republic
 - Support for identification and preparation of new cross-border transmission project



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CASA-1000: Project Background



- **Transformational multi regional project for electricity supply (1,300 MW) from Central Asia to South Asia**
 - First step toward development of inter-regional electricity market
 - Boosting regional cooperation and stabilization
- **Strong partnership (>\$1,000 m financing) including IsDB, USAID, DFID, EIB, EBRD, and WB**
 - Providing convening power for building and maintaining political and financial support
- **Project ensures long term operational sustainability**
 - Strong community support program to improve livelihoods of the corridor communities
 - Third party access increasing shared revenues



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CASA-1000: Project Implementation Status

- **Substantial progress in procurement achieved in 2017-2018. Contracts for most infrastructure components were awarded in 2018**
 - Pakistan HVDC Line BD issued in March 2019
 - Construction activities in CASA countries can start in 2019
 - CASA Commercial Operation expected in 2022
- **Community Support Program (CSP) in four Countries to create a more supportive environment for the project during construction period:**
 - Afghanistan CSP approved in 2014 and is under implementation
 - Kyrgyz CSP approved in April 2018
 - Tajikistan CSP approved in March 2019
 - Pakistan CSP under preparation expected for approval in Q4FY19



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CDC: Capacity Development for Central Asia Regional Cooperation

- Objective:
 - Improve sustainably the organizational capacity of CDC Energia
 - Support CDC Energia to establish a training center
- Scope:
 - Design training programs and develop a long-term capacity development plan for CDC Energia
 - Execute training programs (workshops and study trips)
 - Conduct a preliminary assessment for the training center concept
- Duration:
 - April 2018 –November 2019



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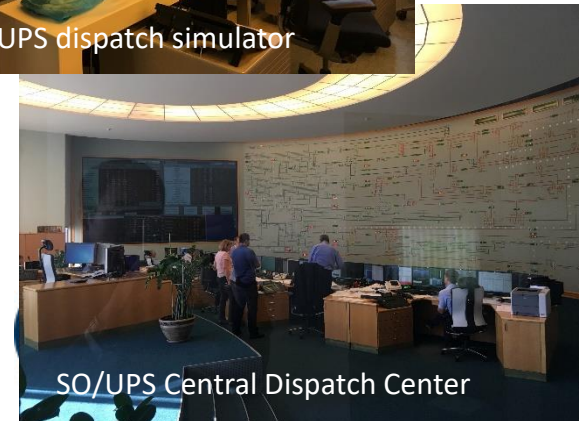
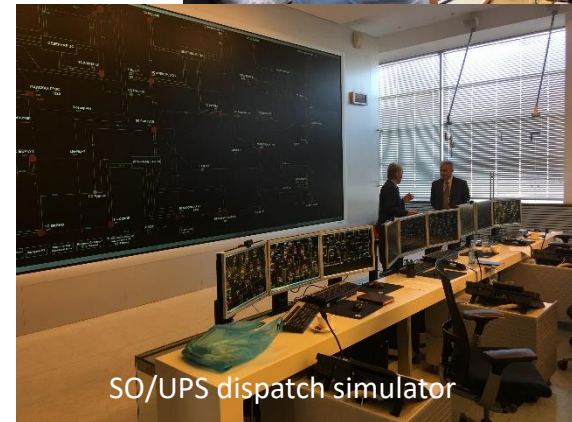


CDC: 1st Workshop in Tashkent and Study Trip to Moscow

- 1st Workshop (Sep 17-19, 2018, Tashkent)
 - Attended by dispatch center specialists from Kazakhstan, Kyrgyz Republic, Tajikistan, and Uzbekistan.
 - Speakers from Denmark TSO, Russian SO, and GE Grid Solutions
- Study trip (Sep 20-21, 2018, Moscow)
 - Visited a training center at Russian SO/UPS JSC
 - Meetings with St. Petersburg Training Institute and a dispatch simulator



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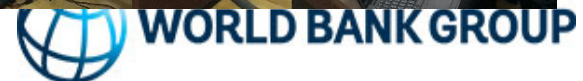


CDC: 2nd Workshop in Tashkent

- Workshop (April 1-4, 2019, Tashkent)
 - Attended by 26 specialists from CDC Energia.
 - Invited speakers from French TSO, St. Petersburg Training Institute, and GE Grid Solutions.
 - Organized at a new training facility within CDC Energia, recently established thanks to support from USAID.



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CDC: Next Steps

- Draft long-term capacity development plan for CDC Energia (June 2019)
 - Assessment on CDC Energia and NDCs' training needs
 - Scoping of next training opportunities
 - Long-term capacity development plan for CDC Energia
- Collaborate with USAID to complete the training center. Training equipment will be procured by USAID.
- Next Training Workshops
 - Power System Planning Tool training in May 2019
 - Telecommunication training in May/June 2019
 - Dispatch operation training in September 2019



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THANK YOU



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