



Regional: Regional Cooperation on Increasing Cross-Border Energy Trading within the Central Asian Power System - Modernization of Coordinating Dispatch Center Energiya (Subproject 1)

Project Name	Regional Cooperation on Increasing Cross-Border Energy Trading within the Central Asian Power System - Modernization of Coordinating Dispatch Center Energiya (Subproject 1)
Project Number	52112-002
Country	RegionalKazakhstanKyrgyz RepublicTajikistanUzbekistan
Project Status	Approved
Project Type / Modality of Assistance	Technical Assistance
Source of Funding / Amount	TA 9709-REG: Regional Cooperation on Increasing Cross Border Energy Trading within Central Asian Power System-Modernization of Coordinating Dispatch Center Energiya (Subproject 1) Asian Clean Energy Fund under the Clean Energy Financing Partnership Facility US\$ 1.00 million TA 9709-REG: Regional Cooperation on Increasing Cross-Border Energy Trading within the Central Asian Power System - Modernization of Coordinating Dispatch Center Energiya (Subproject 1) Technical Assistance Special Fund US\$ 500,000.00 High Level Technology Fund US\$ 1.00 million
Strategic Agendas	Environmentally sustainable growth Inclusive economic growth Regional integration
Drivers of Change	Governance and capacity development Knowledge solutions Partnerships
Sector / Subsector	Energy - Energy sector development and institutional reform
Gender Equity and Mainstreaming	Some gender elements
Description	The technical assistance (TA) subproject will have the following outcome: cross-border clean energy trade increased using high-level technology (HLT) by coordinating dispatch center (CDC) Energiya. The HLT will replace manual processes to allow CDC to operate in a real-time regime.
Project Rationale and Linkage to Country/Regional Strategy	Diminished power trade in the region. Power trade among Central Asian countries has been declining since the collapse of the Soviet Union in 1991. In 1990, 25,413 million kilowatt-hours (kWh) were traded among Kazakhstan, the Kyrgyz Republic, Tajikistan, Turkmenistan, and Uzbekistan. By 2010, the energy trade had decreased to 2,256 million kWh following the disconnection of Tajikistan from CAPS in 2009; it bottomed out in 2016 at 2,080 million kWh. The drop in energy trade has caused widespread power outages in Tajikistan in winters and increased fossil fuel use by Kazakhstan, Turkmenistan, and Uzbekistan in summers. While hydropower exports from the Kyrgyz Republic have continued, the lack of hydropower from Tajikistan in summer has forced fossil fuel-rich countries to generate electricity using gas and oil instead of exporting those fuels. Meanwhile, Tajikistan has had to make substantial investments in generating capacity to produce electricity in winter, while being unable to export hydropower in summer. Tajikistan spills large amount of water annually which could have been used to generate about 5 billion 7 billion kWh of energy. Because of the limited electricity trading opportunities within CAPS, the Kyrgyz Republic had to find additional trading partners such as the People's Republic of China and Pakistan.
Impact	CAREC 2030 Program Results Framework Countries' emissions reductions target achieved, regional cooperation framework accomplished, and energy security in selected CAREC countries enhanced

Project Outcome

Description of Outcome	Cross-border clean energy trade increased using high-level technology by CDC Energiya
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Progress Toward Outcome

Implementation Progress	
Description of Project Outputs	CDC Energiya modernized, capacitated, and engendered
Status of Implementation Progress (Outputs, Activities, and Issues)	
Geographical Location	Kazakhstan - Nation-wide; Kyrgyz Republic - Nation-wide; Tajikistan - Nation-wide; Uzbekistan - Nation-wide

Summary of Environmental and Social Aspects

Environmental Aspects
Involuntary Resettlement
Indigenous Peoples

Stakeholder Communication, Participation, and Consultation

During Project Design	
During Project Implementation	
Responsible ADB Officer	Chansavat, Bouadokpheng
Responsible ADB Department	Central and West Asia Department
Responsible ADB Division	Energy Division, CWRD
Executing Agencies	<i>Asian Development Bank 6 ADB Avenue, Mandaluyong City 1550, Philippines</i>

Timetable

Concept Clearance	-
Fact Finding	-
MRM	-
Approval	30 Jan 2019
Last Review Mission	-
Last PDS Update	30 Jan 2019

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Financing Plan/TA Utilization						Cumulative Disbursements		
ADB	Cofinancing	Counterpart				Total	Date	Amount
		Gov	Beneficiaries	Project Sponsor	Others			
500,000.00	2,000,000.00	0.00	0.00	0.00	0.00	2,500,000.00	-	0.00

Project Page	https://www.adb.org/projects/52112-002/main
Request for Information	http://www.adb.org/forms/request-information-form?subject=52112-002
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