



Country Operations Business Plan

December 2018

Uzbekistan 2019–2021

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Asian Development Bank

CURRENCY EQUIVALENTS

(as of 21 November 2018)

Currency unit	–	sum (SUM)
SUM1.00	=	\$0.00012
\$1.00	=	SUM8,277

ABBREVIATIONS

ADB	–	Asian Development Bank
COBP	–	country operations business plan
COL	–	concessional ordinary capital resources lending
CPS	–	country partnership strategy
OCR	–	ordinary capital resources
PPSA	–	planned public sector assistance

NOTE

In this report, “\$” refers to United States dollars.

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I. CONSISTENCY OF THE BUSINESS PLAN WITH THE COUNTRY PARTNERSHIP STRATEGY

1. The country operations business plan (COBP), 2019–2021 for Uzbekistan builds on the current country partnership strategy (CPS) for Uzbekistan and is consistent with the recent government initiatives and the forthcoming CPS for Uzbekistan for 2019–2023 under preparation.¹ In line with the national development strategy,² the government has prioritized the development of rural infrastructure to (i) address social challenges of the rural population,³ and (ii) create an enabling environment—a reliable supply of utilities and adequate transport infrastructure—for the private sector and foreign direct investment as key drivers of employment generation. In addition, the CPS and COBP consultations discussed the government’s requests for Asian Development Bank (ADB) operations in social sectors. This COBP fully supports Uzbekistan’s development priorities. To this end, this COBP includes operational support for agriculture, transport, energy, municipal services, health, education, social protection, and access to finance. Support for the key drivers of change—including private sector development, regional cooperation, governance, and others—is integrated into the operational assistance.

2. The government confirmed the operational program of this COBP on 13 November 2018.

II. INDICATIVE RESOURCE PARAMETERS

3. Uzbekistan, a Group B developing member country, is eligible for concessional ordinary capital resources (OCR) lending (COL) and regular OCR lending. The indicative resources available for commitment during 2019–2021 for sovereign operations amount to \$2.46 billion, comprising \$1.50 billion in regular OCR and \$0.96 billion in concessional OCR. The proposed cumulative lending program for the 3-year period is about \$3.2 billion. Overprogramming of 30% is included to place the program on the trajectory for a scale-up, as requested by the government, and to allow for greater project implementation readiness. The final amount of assistance will depend on the available resources and project readiness. Funding from other sources, including the regional pool under concessional resources⁴ and regular OCR regional cooperation and integration set-aside, will be actively explored to process projects beyond the stipulated resource envelope. In addition to public sector assistance, ADB will explore direct investments in private sector undertakings, mainly in agribusiness, finance, and other sectors supporting employment, export promotion, innovation, and energy efficiency. Technical assistance grants totaling \$15 million will be extended for project preparation, demand-led reforms, capacity development, and knowledge management.

III. SUMMARY OF CHANGES TO LENDING AND NONLENDING PROGRAMS

4. The areas of intervention and the indicative resource allocation for each sector are in Appendix 1. The updated lending and nonlending programs are in Appendixes 2 and 3. The list of indicative knowledge publications and events for 2019 is in Appendix 4. Innovation, advanced technology, and pilot initiatives for 2019 are listed in Appendix 5. Major changes are summarized in paras. 6–12.

¹ Country consultations for the new country partnership strategy, 2019–2023 and the country operations business plan, 2019–2021 were held in Uzbekistan in late May–early June 2018.

² Government of Uzbekistan. 2017. *Strategy of Actions on Further Development of Uzbekistan*. Tashkent.

³ About 15% of 16 million rural people live below the national poverty line, and only half of all rural residents are connected to a centralized water supply network.

⁴ To meet the demand for the COL pipeline amount exceeding indicative resources available for commitment for 2019–2020, the following will be explored: (i) COL savings, (ii) COL regional resources, and (iii) external sources.

A. Lending Program

5. The firm lending program for 2019–2021 of \$3.2 billion has been assessed and prioritized, taking into account project readiness, portfolio performance, and complementarity with assistance from other development partners.

6. **Agriculture and natural resources.** The Rice Intensification Project has been replaced with the new Rural Infrastructure Development Project (firm for 2020). The firm pipeline amounts to \$407 million, or 13% of the planned public sector assistance (PPSA).

7. **Energy.** The 3-year sector pipeline contains three new projects: (i) the Power Distribution Improvement Program (firm for 2020), (ii) the Regional Energy Transmission and Dispatch Enhancement Project (firm for 2021), and (iii) the Renewable Power Project (firm for 2021) replacing the Second Northwest Region Power Transmission Line Project and the Energy Efficiency for Industrial Enterprises. The firm pipeline amounts to \$600 million, or 19% of the PPSA.

8. **Public sector management and finance.** The 3-year sector pipeline includes two new projects: (i) the Economic Management Improvement Program (Subprogram 2) (firm for 2019), and (ii) the Social Protection Program Subprogram 1 (firm for 2020). The pipeline amounts to \$750 million, or 23% of the PPSA.

9. **Education.** The 3-year sector pipeline includes two new projects: (i) the Skills Development for a Modern Economy Project (firm for 2020), and (ii) the Early Childhood Education Improvement Program (firm for 2021). The pipeline amounts to \$150 million, or 4% of the PPSA.

10. **Health.** The 3-year sector pipeline consists of one new project: the Health Service Delivery and Digital Health Program (firm for 2021). The firm pipeline amounts to \$100 million, or 3% of the PPSA.

11. **Transport.** The 3-year sector pipeline includes one new project: the Regional Border Infrastructure Development Project (firm for 2020). The firm pipeline amounts to \$580 million, or 18% of the PPSA.

12. **Water supply and sanitation.** The 3-year sector pipeline includes four new projects: (i) the Second Solid Waste Management Improvement Project (firm for 2019), (ii) the Urban Services Project Readiness Facility (firm for 2019), (iii) the Rural Water Supply and Sanitation Sector Development Program (firm for 2020), and (iv) the Integrated Urban Development Program (firm for 2021) replacing the Integrated Infrastructure Improvement for Urban Communities Project. The sector pipeline amounts to \$645 million, or 20% of the PPSA.

B. Nonlending Program

13. The nonlending program has been updated to strengthen (i) transaction preparatory activities to enhance project quality and readiness, and (ii) capacity development for the public sector.

COUNTRY ASSISTANCE RESULTS AREAS

Key Country Development Outcomes that ADB Contributes to	ADB		
	Key Areas of Assistance	Indicative Resource Available for Commitment in 2019–2021 ^a	Changes from Last COBP
1. Transport			
Efficient movement of people and goods and shorter travel times along strategic transport corridors	Rehabilitation of national roads Improvement of cross-border infrastructure and facilities Road maintenance and safety Public transport	\$580 million (all from regular OCR) for 2019–2021, 18% of total COBP envelope	The Regional Border Infrastructure Development Project (firm for 2020) is added as a new operation
2. Energy			
Energy efficiency enhanced and regional energy trade increased	Combined-cycle power generation Solar and other renewable power generation Energy efficiency, distribution loss reduction Power transmission Policy and regulation	\$600 million (\$500 million from regular OCR, and \$100 million from COL) for 2019–2021, 19% of total COBP envelope \$200 million in potential cofinancing	The Power Distribution Improvement Program (firm for 2020), the Regional Energy Transmission and Dispatch Enhancement Project (firm for 2021), and the Renewable Power Project (firm for 2021) are added as new operations, replacing the Second Northwest Region Power Transmission Line Project and the Energy Efficiency for Industrial Enterprises
3. Water and Other Urban Infrastructure and Services			
Improved access to better-quality municipal services for higher living standards	Drinking water and sanitation system improvement Garbage collection and waste disposal Urban governance and planning	\$645 million (\$375 million from regular OCR, and \$270 million from COL) for 2019–2021, 20% of total COBP envelope	The Second Solid Waste Management Improvement Project (firm for 2019), the Urban Services Project Readiness

Key Country Development Outcomes that ADB Contributes to	ADB		
	Key Areas of Assistance	Indicative Resource Available for Commitment in 2019–2021 ^a	Changes from Last COBP
			Facility (firm for 2019), the Rural Water Supply and Sanitation Sector Development Program (firm for 2020), and the Integrated Urban Development Program (firm for 2021) are added as new operations, replacing the Integrated Infrastructure Improvement for Urban Communities Project.
4. Agriculture, Natural Resources, and Rural Development			
Improved productivity of a diversified agriculture sector	Agriculture finance Rural market infrastructure Rural enterprise development Water resource management	\$407 million (\$60 million from regular OCR, and \$347 million from COL) for 2019–2021, 13% of total COBP envelope \$212 million in potential cofinancing	The Rural Infrastructure Development Project (firm for 2020) is added as a new operation, replacing the Rice Intensification Project
5. Health			
Improved access to quality health service delivery and effective health management information system	Health system development	\$100 million (all from COL) for 2019–2021, 3% of total COBP envelope \$10 million in potential cofinancing	The Health Service Delivery and Digital Health Program (firm for 2021) is added as a new operation
6. Education			
Improved and demand-driven technical and vocational education and training system that is more	Technical and vocational education and training Preschool education subsector modernization	\$150 million (all from COL) for 2019–2021, 4% of total COBP envelope	The Skills Development for a Modern Economy

Key Country Development Outcomes that ADB Contributes to	ADB		
	Key Areas of Assistance	Indicative Resource Available for Commitment in 2019–2021 ^a	Changes from Last COBP
responsive to labor market needs, and modernized preschool education system			Project (firm for 2020), and the Early Childhood Education Improvement Program (firm for 2021) are added new operations
7. Public Sector Management and Finance			
Improved governance and macroeconomic management Capacity building and institutional strengthening Increased and more effective financial access for SMEs and other nonstate borrowers	Economic management and macroeconomic stability SOE reforms and corporate governance Social protection and government securities market Public finance management SME finance Mortgage and insurance	\$750 million (all from regular OCR) for 2019–2021, 23% of total COBP envelope \$850 million in potential cofinancing	The Economic Management Improvement Program (Subprogram 2) (firm for 2019), and the Social Protection Program Subprogram 1 (firm for 2020) are added as new operations

ADB = Asian Development Bank, COBP = country operations business plan, COL = concessional OCR lending, OCR = ordinary capital resources, SMEs = small- and medium-sized enterprises, SOE = state-owned enterprise.

^a To meet the excess demand in the OCR lending pipeline, other sources, including (i) uncommitted OCR, (ii) OCR regional cooperation and integration, and (iii) external sources, will be explored. The concessional OCR lending (COL) pipeline for 2019–2020 exceeds the biennial indicative resources available for commitment for COL by 12%; other sources, including (i) COL savings, (ii) COL regional resources, and (iii) external sources, will be explored to meet the excess demand. The total indicative resource allocation for lending product cofinancing during 2019–2021 is \$1.47 billion.

Source: Asian Development Bank estimates.

INDICATIVE ASSISTANCE PIPELINE

Table A2.1: Lending Products, 2019–2021

Project/Program Name	Sector	Poverty Targeting	Strategic Agendas and Drivers of Change	Division	Year of TRTA/PDA	Cost (\$ million)						
						Total	ADB			Gov't	Co-Finance ^c	
							Regular OCR ^a	COL ^b	ADF Grants			Total
2019 Firm												
Horticulture Value Chain Infrastructure Project	ANR	GI	IEG, ESG, PAR	CWER	2017	197.0	0.0	197.0	0.0	197.0	0.0	0.0
Mortgage Market Development Project (SDP)	FIN	GI	IEG, ESG, GEM	CWPF	2017	200.0	200.0	0.0	0.0	200.0	0.0	0.0
Economic Management Improvement Program, Subprogram 2 (PBL)	PSM/ FIN	GI	IEG, GCD, PAR	CWPF	2017	950.0	300.0	0.0	0.0	300.0	0.0	500.0 (WB), 150.0 (AFD)
Sustainable Hydropower Project	ENE	GI	IEG, ESG, GCD, PAR	CWEN	2016	120.0	100.0	0.0	0.0	100.0	20.0	0.0
Second Tashkent Province Water Supply System Development Project	WUS	GI	IEG, ESG, GEM, PAR	CWUW	2017	110.0	0.0	110.0	0.0	110.0	0.0	0.0
Second Solid Waste Management Improvement Project	WUS	GI	IEG, ESG, GEM, PAR	CWUW	2018	152.2	60.0	0.0	0.0	60.0	92.2	0.0
Urban Services Project Readiness Facility ^d (PRF)	WUS	GI	IEG, ESG, GEM, PAR	CWUW		15.0	15.0	0.0	0.0	15.0	0.0	0.0
Total						1,744.2	675.0	307.0	0.0	982.0	112.2	650.0
2019 Standby												
Livestock Value Chain Development Project (FIL)	ANR	GI	IEG, ESG, GCD, PAR	CWER	2018	282.0	0.0	100.0	0.0	100.0	0.0	182.0 (AFD)
Small Business Finance and Rural Financial Inclusion Project (FIL)	FIN	GI	IEG, GEM PSD, PAR	CWPF	2019	50.0	50.0	0.0	0.0	50.0	0.0	0.0
Tashkent Province Sewerage System Development Project	WUS	GI	IEG, ESG, GEM, PAR	CWUW	2018	160.0	0.0	160.0	0.0	160.0	0.0	0.0
Power Distribution Improvement Program (RBL)	ENE	GI	IEG, ESG, GCD, PAR	CWEN	2019	400.0	200.0	0.0	0.0	200.0	100.0	100.0 (TBD)
Total						892.0	250.0	260.0	0.0	510.0	100.0	282.0
2020 Firm												
Power Distribution Improvement Program (RBL)	ENE	GI	IEG, ESG, GCD, PAR	CWEN	2019	400.0	200.0	0.0	0.0	200.0	100.0	100.0 (TBD)

Project/Program Name	Sector	Poverty Targeting	Strategic Agendas and Drivers of Change	Division	Year of TRTA/ PDA	Cost (\$ million)						
						ADB				Gov't	Co-Finance ^c	
						Total	Regular OCR ^a	COL ^b	ADF Grants			Total
Small Business Finance and Rural Financial Inclusion Project (FIL)	FIN	GI	IEG, GEM PSD, PAR	CWPF	2019	50.0	50.0	0.0	0.0	50.0	0.0	0.0
Social Protection Program (Subprogram 1) (PBL)	PSM/ FIN	GI	IEG, GEM, PAR	CWPF	2020	400.0	200.0	0.0	0.0	200.0	0.0	200.0 (TBD)
Rural Water Supply and Sanitation Sector Development Program (RBL)	WUS	GI	IEG, ESG, GEM, PAR	CWUW	2019	200.0	100.0	0.0	0.0	100.0	0.0	100.0
Tashkent Province Sewerage System Development Project	WUS	GI	IEG, ESG, GEM, PAR	CWUW	2018	160.0	0.0	160.0	0.0	160.0	0.0	0.0
Livestock Value Chain Development Project (FIL)	ANR	GI	IEG, ESG, GCD, PAR	CWER	2018	282.0	0.0	100.0	0.0	100.0	0.0	182.0 (AFD)
Rural Infrastructure Development Project	ANR	GI	IEG, ESG, GCD, GEM, PAR	CWER	2019	60.0	0.0	50.0	0.0	50.0	0.0	10.0 (EU)
CAREC Corridor 2 Karakalpakstan Road Project (A380 Kungrad to Daut-Ata Section)	TRA	GI	IEG, RCI, PAR	CWTC	2018	310.0	310.0	0.0	0.0	310.0	0.0	0.0
Regional Border Infrastructure Development Project	TRA	GI	IEG, RCI, PAR	CWTC	2019	70.0	70.0	0.0	0.0	70.0	0.0	0.0
Skills Development for a Modern Economy Project (RBL)	EDU	GI	IEG, ESG, GCD	CWSS	2017	100.0	0.0	100.0	0.0	100.0	0.0	0.0
Total						2,032.0	930.0	410.0	0.0	1,340.0	100.0	592.0
2020 Standby												
Regional Energy Transmission and Dispatch Enhancement Project	ENE	GI	IEG, ESG, GCD, PAR	CWEN	2020	400.0	200.0	0.0	0.0	200.0	100.0	100.0 (TBD)
Early Childhood Education Improvement Program (RBL)	EDU	GI	IEG, ESG, GCD, PSD	CWSS	2019	50.0	0.0	50.0	0.0	50.0	0.0	0.0
Total						450.0	200.0	50.0	0.0	250.0	100.0	100.0
2021 Firm												
Climate Adaptive Water Resources Management	ANR	GI	IEG, ESG, GCD, PAR	CWER	2020	100.0	60.0	0.0	0.0	60.0	20.0	20.0 (TBD)
Regional Energy Transmission and Dispatch Enhancement Project	ENE	GI	IEG, ESG, GCD, PAR	CWEN	2020	400.0	200.0	0.0	0.0	200.0	100.0	100.0 (TBD)
Integrated Urban Development Program	WUS	GI	IEG, ESG, PSD, GCD, PAR	CWUW	n.a.	300.0	200.0	0.0	0.0	200.0	0.0	100.0 (TBD)

Project/Program Name	Sector	Poverty Targeting	Strategic Agendas and Drivers of Change	Division	Year of TRTA/PDA	Cost (\$ million)						
						ADB					Gov't	Co-Finance ^c
						Total	Regular OCR ^a	COL ^b	ADF Grants	Total		
Navoi–Bukhara Regional Road Development Project	TRA	GI	IEG, RCI, PAR	CWTC	2020	230.0	200.0	0.0	0.0	200.0	30.0	0.0
Early Childhood Education Improvement Program (RBL)	EDU	GI	IEG, ESG, GCD, PSD	CWSS	2019	50.0	0.0	50.0	0.0	50.0	0.0	0.0
Health Service Delivery and Digital Health Program (RBL)	HLT	GI	IEG, ESG, GCD, PSD, PAR	CWSS	2019	110.0	0.0	100.0	0.0	100.0	0.0	10.0 (KfW)
Renewable Power Project	ENE	GI	IEG, ESG, PSD, GCD	CWEN	2020	120.0	0.0	100.0	0.0	100.0	20.0	0.0
Total						1,310.0	660.0	250.0	0.0	910.0	170.0	230.0
2021 Standby												
Regional Gas Project	ENE	GI	IEG, GCD, PAR	CWEN	2019	600.0	300.0	0.0	0.0	300.0	100.0	200.0 (TBD)
Social Protection Program, Subprogram 2 (PBL)	PSM/ FIN	GI	IEG, GEM, PAR	CWPF	2020	400.0	300.0	0.0	0.0	300.0	0.0	100.0 (TBD)
Municipal Roads Development Project	TRA	GI	IEG, RCI, GCD, PAR	CWTC	2021	250.0	200.0	0.0	0.0	200.0	50.0	0.0
Total						1,250.0	800.0	0.0	0.0	800.0	150.0	300.0

ADB = Asian Development Bank; ADF = Asian Development Fund; AFD = Agence Française de Développement; ANR = agriculture, natural resources, and rural development; CAREC = Central Asia Regional Economic Cooperation; COL = concessional OCR lending; CWEN = Energy Division; CWER = Environment, Natural Resources, and Agriculture Division; CWPF = Public Management, Financial Sector and Trade Division; CWSS = Social Sector Division; CWTC = Transport and Communications Division; CWUW = Urban Development and Water Division; EDU = education; ENE = energy; ESG = environmentally sustainable growth; EU = European Union; FIL = financial intermediary loan; FIN = finance; GCD = governance and capacity development; GEM = gender equity and mainstreaming; GI = general intervention; Gov't = government; HLT = health; KfW = Kreditanstalt fuer Wiederaufbau; IEG = inclusive economic growth; OCR = ordinary capital resources; PAR = partnership; PBL = policy-based lending; PDA = project design advance; PRF = project readiness facility; PSD = private sector development and private sector operations; PSM = public sector management; RBL = results-based lending; RCI = regional integration; SDP = sector development program; TBD = to be determined; TRA = transport; TRTA = transaction technical assistance; WB = World Bank; WUS = water and other urban infrastructure and services.

^a To meet the excess demand in the OCR lending pipeline, other sources, including (i) uncommitted OCR, (ii) OCR regional cooperation and integration (RCI), and (iii) external sources, will be explored.

^b The concessional OCR lending (COL) pipeline for 2019–2020 exceeds the biennial indicative resources available for commitment for COL by 12%; other sources, including (i) COL savings, (ii) COL regional resources, and (iii) external sources, will be explored to meet the excess demand.

^c Cofinancing sources to be determined unless stated otherwise.

^d The project will support three potential projects, including the Integrated Urban Development Program (firm for 2021).

Source: Asian Development Bank.

Table A2.2: Nonlending Products and Services, 2019–2021

Assistance Name	Sector	Division	Assistance Type	Sources of Funding				Total (\$'000)
				ADB		Others		
				Source	Amount (\$'000)	Source	Amount (\$'000)	
2019								
Rural Infrastructure Development Project	ANR	CWER	TRTA	TASF	800			800
Regional Border Infrastructure Development Project	TRA	CWTC	TRTA	TASF	800			800
Effective Macroeconomic Management Project	PSM	CWRC/URM	KSTA			EAKPF, GCF, JFPR	1,500	1,500
Project Management Capacity of Government	PSM	URM	KSTA			EAKPF, GCF, JFPR	1,000	1,000
Power Distribution Improvement Project	ENE	CWEN	TRTA	TASF	750			750
Rural Water Supply and Sanitation Sector Development Program	WUS	CWUW	TRTA	TASF	500			500
Small Business Finance and Rural Financial Inclusion Project	FIN	CWPF	TRTA	TASF	500			500
Early Childhood Education Improvement Program	EDU	CWSS	TRTA	TASF	800			800
Total					4,150		2,500	6,650
2020								
Climate Adaptive Water Resources Management	ANR	CWER	TRTA			JFPR	1,200	1,200
Navoi–Bukhara Regional Road Development Project	TRA	CWTC	TRTA	TASF	1,000			1,000
Regional Energy Transmission and Dispatch Enhancement Project	ENE	CWEN	TRTA	TASF	750	RCIF	1,000	1,750
Social Protection Program	FIN	CWPF	TRTA	TASF	1,000			1,000
Total					2,750		2,200	4,950
2021								
Health Service Delivery and Digital Health Program	HLT	CWSS	TRTA	TASF	800			800
Regional Gas Project	ENE	CWEN	TRTA	TASF	1,000			1,000
Municipal Roads Development Project	TRA	CWTC	TRTA	TASF	1,000			1,000
Support for Formulation of National Development Strategy for 2022–2026	MUL	URM	KSTA	TASF	600			600
Total					3,400			3,400

ADB = Asian Development Bank; ANR = agriculture, natural resources, and rural development; CWEN = Energy Division; CWPF = Public Management, Financial Sector and Trade Division; CWRC = Regional Cooperation and Operations Coordination Division; CWSS = Social Sector Division; CWTC = Transport and Communications Division; CWUW = Urban Development and Water Division; EAKPF = e-Asia and Knowledge Partnership Fund; EDU = education; ENE = energy; FIN = finance; GCF = Governance Cooperation Fund; HLT = health; JFPR = Japan Fund for Poverty Reduction; KSTA = knowledge and support technical assistance; MUL = multisector; PSM = public sector management; RCIF = Regional Cooperation and Integration Fund; TASF = Technical Assistance Special Fund; TRA = transport; TRTA = transaction technical assistance; URM = Uzbekistan Resident Mission; WUS = water and other urban infrastructure and services.
Source: Asian Development Bank.

ASSISTANCE PROGRAM FOR THE CURRENT YEAR

Table A3.1: Lending Products, 2018

Project/Program Name ^a	Sector	Poverty Targeting	Strategic Agendas and Drivers of Change	Division	Year of TRTA/PDA	Cost (\$ million)						
						Total	ADB			Gov't	Co-Finance	
							Regular OCR	COL	ADF Grants			Total
Firm												
Horticulture Value Chain Development Project (Additional Financing, FIL)	ANR	GI	ESG, IEG, GEM	CWER	2016	198.0	0.0	198.0	0.0	198.0	0.0	0.0
Power Generation Efficiency Improvement Project	ENE	GI	IEG, ESG, GCD, PAR	CWEN	2016	850.0	450.0	0.0	0.0	450.0	0.0	400.0 (UFRD)
Economic Management Improvement Program, Subprogram 1 (PBL)	FIN	GI	IEG, GCD, PAR	CWPF	2017	800.0	300.0	0.0	0.0	300.0	0.0	500.0 (WB)
Primary Health Care Improvement Project	HLT	GI	IEG, ESG, GCD	CWSS	2016	45.0	0.0	45.0	0.0	45.0	0.0	0.0
Western Uzbekistan Water Supply System Development Project	WUS	GI	IEG, ESG, GEM, PAR	CWUW	2016	145.0	0.0	145.0	0.0	145.0	0.0	0.0
Total						2,038.0	750.0	388.0	0.0	1,138.0	0.0	900.0
Standby												
Horticulture Value Chain Infrastructure Project	ANR	GI	IEG, ESG, PAR	CWER	2017	197.0	0.0	197.0	0.0	197.0	0.0	0.0
Mortgage Market Development Project (SDP)	FIN	GI	IEG, ESG, GEM	CWPF	2017	200.0	200.0	0.0	0.0	200.0	0.0	0.0
Railway Efficiency Improvement Project	TRA	GI	IEG, RCI, GCD	CWTC	2017	170.0	170.0	0.0	0.0	170.0	0.0	0.0
Second Tashkent Province Water Supply System Development Project	WUS	GI	IEG, ESG, GEM, PAR	CWUW	2017	110.0	0.0	110.0	0.0	110.0	0.0	0.0
Total						677.0	370.0	307.0	0.0	677.0	0.0	0.0

ADB = Asian Development Bank; ADF = Asian Development Fund; ANR = agriculture, natural resources, and rural development; COL = concessional OCR lending; CWEN = Energy Division; CWER = Environment, Natural Resources, and Agriculture Division; CWPF = Public Management, Financial Sector and Trade Division; CWSS = Social Sector Division; CWTC = Transport and Communications Division; CWUW = Urban Development and Water Division; ENE = energy; ESG = environmentally sustainable growth; FIL = financial intermediary loan; FIN = finance; GCD = governance and capacity development; GEM = gender equity and mainstreaming; GI = general intervention; Gov't = government; HLT = health; IEG = inclusive economic growth; OCR = ordinary capital resources; PAR = partnership; PBL = policy-based lending; PDA = project design advance; RCI = regional integration; SDP = sector development program; TRA = transport; TRTA = transaction technical assistance; UFRD = Uzbekistan Fund for Reconstruction and Development; WB = World Bank; WUS = water and other urban infrastructure and services.

^a Given the provisional nature of the indicative lending program, the composition of the lending instruments actually delivered may change.

Source: Asian Development Bank.

Table A3.2: Nonlending Products and Services, 2018

Assistance Name	Sector	Division	Assistance Type	Sources of Funding				Total (\$'000)
				ADB		Others		
				Source	Amount (\$'000)	Source	Amount (\$'000)	
Livestock Value Chain Development Project	ANR	CWER	TRTA	TASF	1,000			1,000
Mortgage Market Development Program (Additional Financing)	FIN	CWPF	KSTA	TASF	340			340
Support to the Operationalization of the Uzbekistan Mortgage Refinancing Company (UMRC)	FIN	CWPF	KSTA			EAKPF	500	500
CAREC Road Development Project	TRA	CWTC	TRTA	TASF	750			750
Power Generation Efficiency Improvement Project	ENE	CWEN	TRTA	TASF	150			150
Power Generation Efficiency Improvement Project (Additional Financing)	ENE	CWEN	TRTA	TASF	450			450
Gas Sector Reforms and Uznetgaz Corporatization Planning	ENE	CWEN	TRTA	TASF	225			225
Sustainable Energy Access - Distribution Network Modernization Program	ENE	CWEN	TRTA	TASF	750			750
Economic Management Improvement Program	FIN	CWPF	TRTA	TASF	750			750
Effective Economic Management	PSM	URM	KSTA	TASF	225			225
Strengthening Capacity in Project Management (Additional Financing)	PSM	URM	KSTA	TASF	500			500
Total					5,140		500	5,640

ADB = Asian Development Bank; ANR = agriculture, natural resources, and rural development; CAREC = Central Asia Regional Economic Cooperation; CWEN = Energy Division; CWER = Environment, Natural Resources, and Agriculture Division; CWPF = Public Management, Financial Sector and Trade Division; CWTC = Transport and Communications Division; EAKPF = e-Asia and Knowledge Partnership Fund; ENE = energy; FIN = finance; KSTA = knowledge and support technical assistance; PSM = public sector management; TASF = Technical Assistance Special Fund; TRA = transport; TRTA = transaction technical assistance; URM = Uzbekistan Resident Mission.

Source: Asian Development Bank.

INDICATIVE KNOWLEDGE PUBLICATIONS AND EVENTS

Table A4.1: Knowledge Publications and Events for 2019

Title of Publication or Event	Subject	Type	Department or Sector Group or Thematic Group	Technical Assistance
Key Indicators for Asia and the Pacific 2019	Economics	Publication and documentation	ERCD	TA 9409
Data for Development: National Accounts Administration	Economics	In-country workshop	ERCD	TA 9356
Asian Development Outlook 2019, its update, and supplements (July, December)	Economics	Publication and documentation	ERCD	TA for approval
Asian Economic Integration Report 2019	RCI, economics	Publication and documentation	ERCD	...
Strengthening Gender-Inclusive Growth in Central and West Asia: Strengthening Capacity of Women's Committee of Uzbekistan	Gender, inclusive growth	Capacity development	CWOD-PSG	TA 9088
Uzbekistan: Review of Housing Policy and Subsidy Framework	Finance, economics	Publication and documentation, event organization	CWPF	TA 9479
Institutional Development of Mortgage Market: Uzbekistan	Finance, economics	Publication and documentation, event organization	CWPF	TA 9479
Mortgage Refinance Company	Urban services, economics	Publication and documentation, event organization	CWUW	TA 9474
Uzbekistan: Urban Planning Assessment	Urban services, economics	Publication and documentation, event organization	CWUW	TA 9474
Public-Private Partnership: Project Designing and Monitoring	Finance, economics, private sector development, education, energy, health, urban services	Publication and documentation, event organization	CWPF	TA 9538
Uzbekistan: A Risk-Based Audit Manual	Finance, economics, public sector management	Publication and documentation, event organization	CWPF	TA 9538
Uzbekistan: Risk-Based Supervision and Capital Adequacy Assessment	Finance, economics, public sector management	Publication and documentation, event organization	CWPF	TA 9538
Investment Management in Energy: Master Plan for Investment Financing and Fixed Asset Management of Uzbekenergo	Finance, economics, energy, public sector management	Publication and documentation, event organization	CWPF, CWEN	TA 9538
Uzbekistan: Gender Sensitivity Analysis of Public Expenditure Programs	Finance, gender, economics, public sector management	Publication and documentation	CWPF, CWOD-PSG	TA 9538
Constraints on the Development of Cross-Border Export-Oriented Horticulture Value-Chain Development in the Ferghana Valley	RCI, agriculture, economics	Publication and documentation	ERCD	TA 9350
Uzbekistan: Manuals on Road Design, Maintenance, and Contract Supervision and Management	Transport, public sector management	Publication and documentation, event organization	CWTC	...

Title of Publication or Event	Subject	Type	Department or Sector Group or Thematic Group	Technical Assistance
Uzbekistan: The Power Sector Master Plan	Energy	Publication and documentation, event organization	CWEN	TA 9459
Uzbekistan: The Tariff Structure and Regulatory Energy Framework Reform Road Map	Energy	Publication and documentation, event organization	CWEN	TA 9459
Uzbekistan: Grid Connection Code	Energy	Publication and documentation, event organization	CWEN	TA 9365
Uzbekistan: A Harmonized Regional Road Map of Renewable Energy Integration	Energy	Publication and documentation, event organization	CWEN	TA 9365
Uzbekistan: High-Tech Forecasting System in Transmission System	Energy	Publication and documentation, event organization	CWEN	TA 9365
Several publications and events organized in 2019 as part of the CAREC Program activities	RCI, energy, transport, industry and trade, private sector development	Publication and documentation, event organization	CWEN, CWRC CWTC, EAPF
Uzbekistan: Analysis of e-Government Procurement System	Public sector management	Publication and documentation, event organization	PPFD, URM	...

... = not available; CAREC = Central Asia Regional Economic Cooperation; CWEN = Energy Division; CWOD-PSG = Portfolio, Results, Safeguards and Gender Unit; CWPF = Public Management, Financial Sector, and Trade Division; CWRC = Regional Cooperation and Operations Coordination Division; CWTC = Transport and Communications Division; CWUW = Urban Development and Water Division; EAPF = Public Management, Financial Sector, and Regional Cooperation Division, East Asia Department; ERCD = Economic Research and Regional Cooperation Department; PPF = Procurement, Portfolio, and Financial Management Department; RCI = regional integration; TA = technical assistance; URM = Uzbekistan Resident Mission.

Note: "Publications" may include databases, multimedia, and other forms of documentation. "Events" may include event organization and training or capacity development.

Source: Asian Development Bank.

Table A4.2: Additional Knowledge Publications and Events Delivered in 2018

Title of Publication or Event	Subject	Type	Department or Sector Group or Thematic Group	Technical Assistance
Intelligent Transport System Workshop	Transport	Capacity development	SDCC	TA 9420
Public-Private Partnerships and Smart Technologies for Water Sector Development	Urban services, water, private sector	Capacity development, publication	CWUW	TA 9422, TA 9481
Uzbekistan: Country Gender Assessment Update	Gender	Publication	CWRD/URM	TA 9088
Risk Management in SME Lending	Finance, private sector	Capacity development	ORM	TA 8300
Developing Reform Strategy for SOEs in Central Asia	Governance and public sector management	Capacity development	ADB	...
Total number of publications = 2				
Total number of events = 4				

... = not available; ADBI = Asian Development Bank Institute; CWRD = Central and West Asia Department; CWUW = Urban Development and Water Division; ORM = Office of Risk Management; SDCC = Sustainable Development and Climate Change Department; SME = small and medium size enterprises; SOE = state-owned enterprise; TA = technical assistance; URM = Uzbekistan Resident Mission.

Note: "Publications" may include databases, multimedia, and other forms of documentation. "Events" may include event organization and training or capacity development. The table includes additional knowledge publications and events delivered outside the list of indicative knowledge publications and events included in the 2018–2020 country operations business plan.

Source: Asian Development Bank.

Table A4.3: Innovation, Advanced Technology, and Pilot Initiatives to be Implemented in 2019

Item	Nature	Project Number	Sector or Theme	Division
Application of ICT in asset operation and management in waste management	TCH, PLT	...	WUS	CWUW
Promotion of hybrid-supported trucks to be used for waste collection to minimize carbon emissions and improve air quality	TCH, PLT	...	WUS	CWUW
Development and piloting of PPP standards and modality in waste management	PLT	...	WUS	CWUW
Use of project readiness facility	PLT	...	WUS	CWUW
Consolidation of impacts and value along the value chain through agro-logistics centers	INO, PLT, TCH	51041	ANR	CWER
Establishment of a wholesale mortgage refinancing company for management of mortgage market information, introduction of new financial instruments (corporate bonds, covered bonds, and mortgage-backed securities)	INO, PLT	51348	FIN	CWPF
Establishment of a housing assistance unit to manage and monitor the housing policies and subsidy programs	INO, PLT	51348	FIN	CWPF

Total number of innovation, advanced technology, and pilot initiatives = 7

... = not available; ANR = agriculture and natural resources; CWER = Environment, Natural Resources, and Agriculture Division; CWPF = Public Management, Financial Sector, and Trade Division; CWUW = Urban Development and Water Division; FIN = finance; ICT = information communication technology; INO = innovation; PLT = pilot initiative; PPP = public private partnership; TCH = advanced technology; WUS = water supply and sanitation.

Source: Asian Development Bank.