



NATIONAL WATER RESOURCES MANAGEMENT PROJECT (P144336)

EUROPE AND CENTRAL ASIA | Kyrgyz Republic | Water Global Practice |
Recipient Executed Activities | Investment Project Financing | FY 2014 | Seq No: 14 | ARCHIVED on 20-Jun-2022 | ISR51675 |

Implementing Agencies: Ministry of Finance, Water Resource Service Agency

Key Dates

Key Project Dates

Bank Approval Date: 04-Apr-2014

Effectiveness Date: 29-Apr-2015

Planned Mid Term Review Date: 12-Dec-2016

Actual Mid-Term Review Date: 15-Feb-2017

Original Closing Date: 31-Dec-2022

Revised Closing Date: 31-Dec-2022

Project Development Objectives

Project Development Objective (from Project Appraisal Document)

The project development objective of the NWRMP-1 is to improve water resources management capability and irrigation service delivery for the benefit of water users.

Has the Project Development Objective been changed since Board Approval of the Project Objective?

Yes

Board Approved Revised Project Development Objective (If project is formally restructured)

The project development objective of the NWRMP is to improve water resources management capability and irrigation service delivery for the benefit of water users.

Components Table

Name

Strengthening National Water Resources Management Capacity:(Cost \$2.53 M)
:(Cost \$1.96 M)
:(Cost \$1.66 M)
Project Management:(Cost \$0.37 M)
Irrigation and Drainage Management:(Cost \$1.59 M)

Overall Ratings

Name	Previous Rating	Current Rating
Progress towards achievement of PDO	<input type="checkbox"/> Moderately Unsatisfactory	<input type="checkbox"/> Unsatisfactory
Overall Implementation Progress (IP)	<input type="checkbox"/> Moderately Unsatisfactory	<input type="checkbox"/> Unsatisfactory
Overall Risk Rating	<input type="checkbox"/> Moderate	<input type="checkbox"/> Substantial

Implementation Status and Key Decisions

The project will not be able to achieve its development objective by the current project closing date of December 31, 2022. Both progress towards achievement of the project development objective and implementation progress have been downgraded from Moderately Unsatisfactory to



Unsatisfactory. Continuous policy and institutional changes beyond control of the project have delayed convening of the National Land and Water Council.

A draft National Water Strategy of the Kyrgyz Republic until 2040 was prepared. The Water Information System has been updated for 2019-2020. Basin Water Resource Management offices were set up for Karadarya-Syrdarya-Amudarya and Talas river basins. River basin management plans were developed for five basins.

Development of the Irrigation Investment Prioritization Framework and Irrigation and Drainage Investment Plan is ongoing. Trainings were held for calculating the irrigation service fee, improving management, operation and maintenance, improving water use efficiency, operation of instrumentation and water accounting for Rayvodkhoz staff and water user associations.

Risks

Systematic Operations Risk-rating Tool

Risk Category	Rating at Approval	Previous Rating	Current Rating
Political and Governance	--	<input type="checkbox"/> Substantial	<input type="checkbox"/> High
Macroeconomic	--	<input type="checkbox"/> Moderate	<input type="checkbox"/> Moderate
Sector Strategies and Policies	--	<input type="checkbox"/> Moderate	<input type="checkbox"/> Substantial
Technical Design of Project or Program	--	<input type="checkbox"/> Moderate	<input type="checkbox"/> Moderate
Institutional Capacity for Implementation and Sustainability	--	<input type="checkbox"/> Substantial	<input type="checkbox"/> Substantial
Fiduciary	--	<input type="checkbox"/> Substantial	<input type="checkbox"/> Substantial
Environment and Social	--	<input type="checkbox"/> Moderate	<input type="checkbox"/> Moderate
Stakeholders	--	<input type="checkbox"/> Moderate	<input type="checkbox"/> Moderate
Other	--	<input type="checkbox"/> Moderate	--
Overall	--	<input type="checkbox"/> Moderate	<input type="checkbox"/> Substantial

Results

PDO Indicators by Objectives / Outcomes

To improve water resources management capability				
▶ Department of Water Resources Management formally established under the SWRA, gradually financed through the water use fee. (Yes/No, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No	No	No	Yes
Date	01-Jan-2014	15-Nov-2021	15-Jun-2022	31-Dec-2022
Comments:	On track. The WRS has the WRM unit in its structure and appointed Deputy Director responsible for WRM. Financing is provided by the state budget.			



► Basin Water Resources Management offices and River Basin Councils formally established and operational. (Text, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No River Basin Water Resources Management offices exist.	2 basin water resources management offices (Talas and Karadarya-Syrdarya-Amudarya) are established. 5 river basin councils exist but not formally established.	2 basin water resources management offices (Talas and Karadarya-Syrdarya-Amudarya) are established. 5 river basin councils exist but not formally established.	Five River Basin Water Resources Management offices and five River Basin Councils are formally established and fully operational.
Date	04-Apr-2014	15-Nov-2021	15-Jun-2022	31-Dec-2022
Comments:	Off track. Due to the changes proposed by MNRETS in the structure of Basin Water Resources Management offices and River Basin Councils and pending approval of the boundaries of rivers basins by the National Water and Land Council, there has been no progress since November 2021. It is expected that after approval of the boundaries of river basins, the process will be accelerated. Consultations are being held with MNRETS on their vision and proposals regarding the river basin management.			

To improve irrigation service delivery				
► Irrigation Service Contracts with MOM plans, irrigation service level and ISF signed between Dep ILI and WUAs (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	6.00
Date	23-Jun-2019	15-Nov-2021	15-Jun-2022	31-Dec-2022
Comments:	Off track. Draft ISF calculation methodology and the draft long-term agreement were developed and trainings of specialists in 6 pilot off-farm schemes were conducted. Irrigation service contracts will be concluded for 6 pilot off-farm schemes after adoption by the Cabinet of Minister of a draft resolution "On approval of a standard long-term contract for the supply of water." The draft resolution is under review in the Water Resource Service and is estimated to be approved by the Cabinet of Minister by September 2022.			
► Irrigation and Drainage Management (IDM) division adopting revised procedures for Management, Operation and Maintenance (MOM). (Text, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	Current MOM procedures used.	IDM divisions apply improved MOM procedures in 6 pilot schemes.	IDM divisions apply improved MOM procedures in 6 pilot schemes.	IDM divisions approving revised MOM procedures in 6 pilot schemes
Date	01-Jan-2014	15-Nov-2021	15-Jun-2022	31-Dec-2022
Comments:	Achieved under Phase 1.			
► Water Users Associations (WUAs) supplied with adequate volumes of water by Dep ILI (Percentage, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target



Value	65.00	90.00	98.00	75.00
Date	05-Dec-2013	15-Nov-2021	15-Jun-2022	31-Dec-2022
Comments:	On track. In 2021, the actual volume of water supplied in pilot schemes was: Sovkhoz - 92%, Levaya Magistral - 82%, Kozho-Kaiyr - 96%, BTK - 108%, Komsomol - 98% and Aravan - Ak-Buura - 110%. On average, the volume of irrigation water supplied in the six pilot schemes is 98%.			
► WUAs providing satisfactory services, as measured by the percentage of water users responding in surveys that they are satisfied with services provided by the WUA. (Percentage, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	70.00	73.00	73.00	83.00
Date	05-Dec-2013	30-Nov-2021	15-Jun-2022	31-Dec-2022
Comments:	On track. The actual value is based on the WUA performance (governance, financial management, operation and maintenance) according to the WUA assessment. The survey of rehabilitated WUAs is being carried out and the results will be available by end June 2022.			
► Area provided with irrigation and drainage services (ha) (Hectare(Ha), Corporate)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	650,000.00	756,754.00	755,999.00	750,000.00
Date	05-Dec-2013	15-Nov-2021	15-Jun-2022	31-Dec-2022
Comments:	On track. The area decreased as compared to the previous value in November 2021. Less than 800 ha of land were transferred for use by the private sector for construction.			
□ Area provided with irrigation and drainage services - Improved (ha) (Hectare(Ha), Corporate Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	650,000.00	756,754.00	755,999.00	750,000.00
Date	05-Dec-2013	15-Nov-2021	15-Jun-2022	31-Dec-2022
► Direct project beneficiaries (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	258,000.00	285,208.00	286,558.00	298,000.00
Date	05-Dec-2013	15-Nov-2021	15-Jun-2022	31-Dec-2022
Comments:	On track. According to the information of the oblast support units for 2021.			
□ Female beneficiaries (Percentage, Custom Supplement)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	10.00	8.40	9.00	10.00



Intermediate Results Indicators by Components

Strengthening National Water Resources Management Capacity				
► Comprehensive River Basin Management Plans (RBMPs) prepared for all 5 river basins, approved by relevant RBCs and endorsed by the NWC (Text, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	Two preliminary river basin management plans	River basin management plans for Karadarya-Syrdarya, Talas, Chui, Naryn-Syrdarya river basins have been developed.	River basin management plans for five river basins have been prepared.	Five comprehensive RBMPs are prepared, approved by relevant RBCs and endorsed by the NWC.
Date	05-Dec-2013	15-Nov-2021	15-Jun-2022	31-Dec-2022
Comments:	Off track. River basin management plan are pending approval at the meeting of the National Water and Land Council.			
► National Water Strategy (NWS) formally adopted as a Government strategy, endorsed by the NWC, including investment prioritization and financing plan (Yes/No, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No	No	No	Yes
Date	19-Feb-2019	15-Nov-2021	15-Jun-2022	31-Dec-2022
Comments:	Off track. A draft First National Water Strategy has been updated with the inputs from the MNRETS and is pending approval at the meeting of the National Water and Land Council.			
► Water use permitting and fee system operational as percentage of total permits to be issued. (Percentage, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	50.00
Date	20-Jun-2019	15-Nov-2021	15-Jun-2022	31-Dec-2022
Comments:	Off track. Pending approval of the Law on Amendments and Additions to Certain Legislative Acts of the Kyrgyz Republic (the Law "On the Licensing and Permit System of the Kyrgyz Republic" and the Water Code of the Kyrgyz Republic), which is expected by end October 2022.			
► Nationwide Water Information System operational, financially sustainable, online accessible, and Water Information Center established (Yes/No, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No	No	No	Yes
Date	20-Jun-2019	15-Nov-2021	15-Jun-2022	31-Dec-2022
Comments:	Off track. The contract with an IT firm is expected to be signed by end June 2022.			



► Water resources measured, quantified and recorded in digital data management system (Percentage, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	80.00	80.00	90.00
Date	05-Dec-2013	15-Nov-2021	15-Jun-2022	31-Dec-2022
Comments:	Off track. 5 online databases developed. The data for 2019-2021 on the quantitative indicators of water resources have been updated to the WIS and trainings on data entry for the Water Resource Service were held. The IT firm, which will be responsible for the WIS update, will expand and update all databases. The contract is expected to be signed by end June 2022.			

Improving irrigation service delivery to WUAs				
► District irrigation offices (RVKs), provincial irrigation offices (OVKs) and reservoir management agencies exchanging digital information with DWRLI Head Office and each other (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	53.00	53.00	53.00
Date	05-Dec-2013	15-Nov-2021	15-Jun-2022	31-Dec-2022
Comments:	Achieved under Phase 1. WRS and all 52 divisions are connected.			

► System passports digitized and providing information to the Water Information System (WIS) on-line (Percentage, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	100.00	100.00	100.00
Date	05-Dec-2013	15-Nov-2021	15-Jun-2022	31-Dec-2022
Comments:	On track. Passports for 6 pilot systems were digitized. Digital maps of 30 off-farm irrigation and drainage schemes are being developed and are expected to be ready by September 2022.			

► Increase in average annual maintenance expenditures for off-farm systems (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	160.00	148.00	185.00	600.00
Date	05-Dec-2013	15-Nov-2021	15-Jun-2022	31-Dec-2022
Comments:	Off track. In 2021, the average maintenance expenditures totaled 185 som/ha for 6 pilot off-farm schemes as reported by the PIU. The information for 2022 annual expenditures will be available by end December 2022.			

► Irrigation Service Fee (ISF) collection rates for off-farm systems at least 90% of agreed tariff (based on annual MOM plans) after completion of rehabilitation works (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	0.00
Date	05-Dec-2013	15-Nov-2021	15-Jun-2022	31-Dec-2022
Comments:	Off track. No data reported for 2021 or 2022.			



Value	0.00	4.00	6.00	6.00
Date	05-Dec-2013	15-Nov-2021	15-Jun-2022	31-Dec-2022
Comments:	On track. The collection rate in 2021 was on average 98% n 6 pilot off-farm schemes: BTK - 96%, Kojo-Kaiyr - 93.7%, AABK - 98%, Sovkhozny - 100%, LMK - 100%, Komsomol - 99.1%. The information for the collection rate in 2022 will be available by end December 2022.			

Improving irrigation management by Water Users Associations				
▶ Number of WUAs with completed inventory and preliminary maintenance plans (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	20.00	385.00	385.00	315.00
Date	01-Jun-2015	15-Nov-2021	15-Jun-2022	30-Jun-2018
Comments:	Achieved under Phase 1.			
▶ Operational water user associations created and/or strengthened (number) (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	400.00	412.00	409.00	460.00
Date	01-Jun-2015	15-Nov-2021	15-Jun-2022	31-Dec-2022
Comments:	Off track. The number of WUAs that function as “good” and “satisfactory” based on the evaluation of WUA support units for 2021. The evaluation for 2022 will be available by end December 2022.			

Irrigation and Drainage Management				
▶ Irrigated area with improved off-farm I&D services with water delivery more adequately meeting WUA water demand. (Hectare(Ha), Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	62,653.00	62,653.00	60,000.00
Date	05-Dec-2013	15-Nov-2021	15-Jun-2022	31-Dec-2022
Comments:	Exceeds the target value.			
▶ WUA ISF increased towards sustainable levels to meet MOM costs for on-farm systems (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	272.00	361.50	477.00	1,000.00
Date	01-Jun-2015	15-Nov-2021	15-Jun-2022	31-Dec-2022
Comments:	Off track. The actual average ISF for rehabilitated WUAs in 2021 is reported to be 477 KGS/ha.			



Batken region – 781.9 KGS/ha; Jalal-Abad region - 434.2 KGS/ha; Issyk-Kul region - 303.1 KGS/ha; Naryn region - 389.2 KGS / ha; Osh region - 736.1 KGS / ha; Talas region - 308.9 KGS / ha; and Chui region - 385.9 KGS / ha.				
► Number of Water Management Councils (WMCs) established, trained and applying training in off-farm and on-farm canal management (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	28.00	73.00	73.00	95.00
Date	01-Jun-2015	15-Nov-2021	15-Jun-2022	31-Dec-2022
Comments:	On track. Trainings on creation and development of public WMC were conducted for 136 specialists from regional and rayon support units for WUAs. 15 additional WMC will be established and trained by end June 2022.			
► Number of Federations of WUAs taking responsibility for MOM of off-farm systems (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	11.00	11.00	10.00	15.00
Date	01-Jun-2015	15-Nov-2021	15-Jun-2022	31-Dec-2022
Comments:	10 Federations (Unions) of WUAs, which have taken responsibility for the MOM of off-farm irrigation systems, are operational.			
► RVK staff utilize revised MOM procedures in preparing annual MOM plans. (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	6.00	6.00	30.00
Date	05-Dec-2013	15-Nov-2021	15-Jun-2022	31-Dec-2022
Comments:	On track. Inventory, preparation of asset management plans, MOM, modernization and creation of digital maps of 30 off-farm irrigation and drainage systems is advanced and trainings of Raivodkhoz staff are ongoing.			
► National Irrigation, Drainage and Land Improvement Policy (including Irrigation & Drainage Investment Plan) endorsed by the NWC (Yes/No, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No	No	No	Yes
Date	20-Jun-2019	15-Nov-2021	15-Jun-2022	31-Dec-2022
Comments:	On track. An Irrigation, Drainage and Land Improvement Policy was prepared, consultations are planned for June 2022. The Policy together with the Investment Plan are expected to be finalized by end November 2022.			
► Female representation in WUA Representative Assembly and WUA Council in 60% of WUAs (Percentage, Custom)				





	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	4.00	3.50	3.50	15.00
Date	09-Jun-2019	15-Nov-2021	15-Jun-2022	31-Dec-2022
Comments:	Off track. According to 2021 reports. The female representation in 2022 will be evaluated and results will be available by end December 2022.			

Performance-Based Conditions

Data on Financial Performance

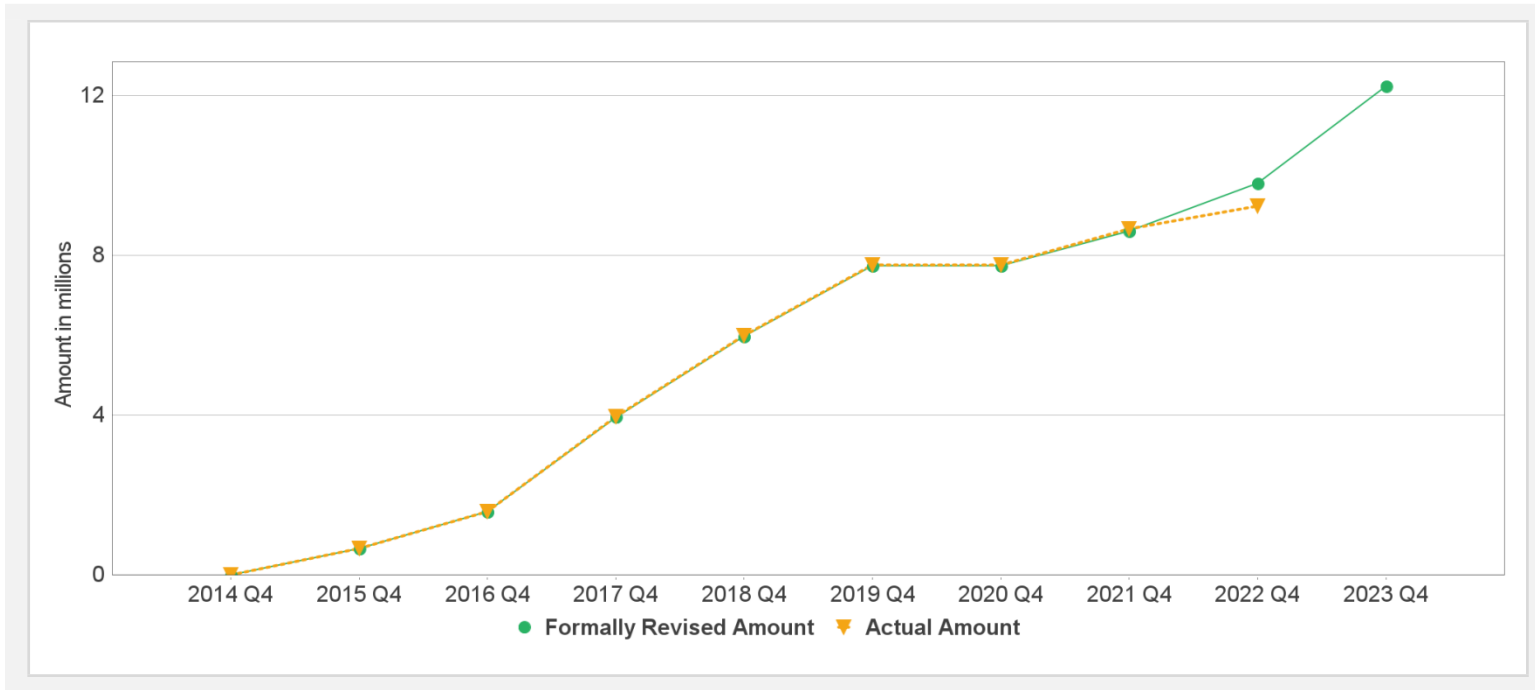
Disbursements (by loan)

Project	Loan/Credit/TF	Status	Currency	Original	Revised	Cancelled	Disbursed	Undisbursed	% Disbursed
P144336	TF-16315	Effective	USD	7.75	7.75	0.00	7.75	0.00	 100%
P144336	TF-B1013	Effective	USD	4.49	4.49	0.00	1.47	3.02	 33%

Key Dates (by loan)

Project	Loan/Credit/TF	Status	Approval Date	Signing Date	Effectiveness Date	Orig. Closing Date	Rev. Closing Date
P144336	TF-16315	Effective	17-Apr-2014	17-Apr-2014	29-Apr-2015	30-Jun-2017	31-Dec-2022
P144336	TF-B1013	Effective	30-Aug-2019	05-Nov-2019	11-May-2020	31-Dec-2022	31-Dec-2022

Cumulative Disbursements



Restructuring History

Level 2 Approved on 22-Jun-2017 ,Level 2 Approved on 19-Jun-2018 ,Level 2 Approved on 27-Dec-2018 ,Level 2 Approved on 18-Jun-2019

Related Project(s)

P165983-National Water Resources Management Project Additional Financing