



Kenya Water Security and Climate Resilience Project (P117635)

AFRICA EAST | Kenya | Water Global Practice |
IBRD/IDA | Investment Project Financing | FY 2013 | Seq No: 14 | ARCHIVED on 24-Nov-2020 | ISR43838 |

Implementing Agencies: Republic of Kenya, Ministry of Water & Sanitation

Key Dates**Key Project Dates**

Bank Approval Date: 18-Jun-2013

Effectiveness Date: 24-Oct-2013

Planned Mid Term Review Date: 20-Apr-2017

Actual Mid-Term Review Date: 04-May-2017

Original Closing Date: 01-Oct-2020

Revised Closing Date: 31-Dec-2022

Project Development Objectives

Project Development Objective (from Project Appraisal Document)

The project development objectives of KWSCR-1 are to: (i) increase availability and productivity of irrigation water for project beneficiaries; and (ii) enhance the institutional framework and strengthen capacity for water security and climate resilience for the country.

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 PDOs of KWSCR-1 are to (a) increase availability and productivity of irrigation water for project beneficiaries and (b) enhance the institutional framework and strengthen capacity for water security and climate resilience in certain areas of the country.

Within the PDO, 'capacity for water security and climate resiliency' primarily includes improved water services, flood protection, and analytical capacity to understand and manage hydrological variability.

Components Table

Name

C1: Water Resources Development:(Cost \$112240.00 M)
C2: Effective Water Sector Institutions:(Cost \$15740.00 M)
C3: Support for Project Implementation:(Cost \$17410.00 M)
Project Preparation Advance:(Cost \$667.00 M)
Unallocated

Overall Ratings

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

Implementation Status and Key Decisions



The project remains on track to achieve its institutional strengthening objectives. The Water Act—the centerpiece of the project’s contribution to the institutional framework—was passed in 2016, and the associated regulations are in the final stages of completion. The accompanying water policy is in the final stages of completion and adoption. Also, the Ministry of Water, Sanitation, and Irrigation (MoWSI) has prepared a detailed sector transition plan as required under the Water Act 2016. Key sector institutions, including the Water Resources Authority, have been established as per the Water Act and are operational.

Infrastructure activities, however, continue to lag because of land acquisition challenges. Of concern is the lower Nzoia irrigation scheme, which is now 18 months behind schedule and will likely go beyond the project closing date. While MoWSI has registered some progress on land acquisition, there is still a lot to do. Land acquisition activities are likely to continue throughout 2021, leaving only one year for uninterrupted construction before the project closes in December 2022. In this scenario, the project will only provide irrigation water to about 40 percent of the target irrigation area. The Bank, therefore, argues MoWSI and National Land Commission to expedite land acquisition processes and increase the project’s chances of success.

Risks

Systematic Operations Risk-rating Tool

Risk Category	Rating at Approval	Previous Rating	Current Rating
Political and Governance	--	☐ Substantial	☐ Substantial
Macroeconomic	--	☐ Substantial	☐ Substantial
Sector Strategies and Policies	--	☐ Moderate	☐ Moderate
Technical Design of Project or Program	--	☐ Substantial	☐ Substantial
Institutional Capacity for Implementation and Sustainability	--	☐ Substantial	☐ Substantial
Fiduciary	--	☐ Substantial	☐ Substantial
Environment and Social	--	☐ High	☐ High
Stakeholders	--	☐ Substantial	☐ Substantial
Other	--	--	--
Overall	--	☐ High	☐ High

Results

PDO Indicators by Objectives / Outcomes

Increase availability and productivity of irrigation water for project beneficiaries				
▶ Area provided with irrigation and drainage services (ha) (Hectare(Ha), Corporate)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	4,043.00
Date	01-Oct-2013	20-Apr-2020	05-Nov-2020	30-Dec-2022



Comments:	Irrigation works are progressing at a slower rate than originally envisaged, due to delays in land acquisition.			
<input type="checkbox"/> Area provided with irrigation and drainage services - New (ha) (Hectare(Ha), Corporate Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	4,043.00
Date	01-Oct-2013	20-Apr-2020	05-Nov-2020	30-Dec-2022
►Agriculture Production Per Cubic Meter of Water Used (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.20	0.20	0.20	0.60
Date	01-Oct-2013	20-Apr-2020	05-Nov-2020	30-Dec-2022
Comments:	Irrigation works are progressing at a slower rate than originally envisaged, due to delays in land acquisition.			
►Direct project beneficiaries (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	225,000.00
Date	01-Oct-2013	20-Apr-2020	05-Nov-2020	30-Dec-2022
Comments:	Irrigation works are progressing at a slower rate than originally envisaged, due to delays in land acquisition.			
<input type="checkbox"/> Female beneficiaries (Percentage, Custom Supplement)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	48.00

Enhance the institutional framework & strengthen capacity for water security and climate resilience				
►Water Resources Authority (WRA) Established and Operational (Text, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	WRA not established	WRA established and operational	WRA established and operational	WRA established and operational
Date	22-Mar-2019	20-Apr-2020	05-Nov-2020	30-Dec-2022
Comments:	This indicator has been achieved. The Water Resources Authority (WRA) has been established as per the Water Act 2016 and is operational. WRA is receiving much needed technical assistance, training, tools, and systems necessary for it to become effective in its role of managing and regulating Kenya's water resources and building climate resilience.			



► Water Act Sector Policy and Transition Plan Adopted (Text, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	Water Act in draft form with Ministry	The Water Act was adopted and passed in 2016. Water policy under cabinet review. A sector transition plan has been finalized as required under the Water Act 2016. Key sector institutions have been established as per the Water Act 2016 and are operational.	The Water Act was adopted and passed in 2016. Water policy under cabinet review. A sector transition plan has been finalized as required under the Water Act 2016. Key sector institutions have been established as per the Water Act 2016 and are operational.	Water Policy and Bill adopted
Date	01-Oct-2013	20-Apr-2020	05-Nov-2020	30-Dec-2022
Comments:	The indicator is on track to be achieved by the project closing date. The Water Act was adopted and passed in 2016. Water policy under cabinet review. A sector transition plan has been finalized as required under the Water Act 2016. Key sector institutions have been established as per the Water Act 2016 and are operational.			
► Number of people with increased flood protection (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	66,700.00
Date	15-Apr-2015	20-Apr-2020	05-Nov-2020	30-Dec-2022
Comments:	Flood protection works are progressing at a slower rate than originally envisaged, due to delays in land acquisition. However, the indicator can still be achieved by the project closing date. The existing flood forecasting and early warning system for Lower Nzoia River watershed has been upgraded with better information and analytical tools to mitigate the impact of floods on communities			
► Decrease in Non-Revenue Water for MOWASCO (Percentage, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	61.00	42.00	42.00	40.00
Date	15-Apr-2015	20-Apr-2020	05-Nov-2020	30-Dec-2022
Comments:	The indicator is on track to be achieved by the project closing date. However, there is an issue with attribution, as the reduction achieved seems to be on commercial losses. The project has mainly invested in improving network infrastructure in only one supply zone (South Mainland - Likoni).			

Intermediate Results Indicators by Components

C1: Water Resources Development



▶ Water users provided with new/improved irrigation and drainage services (number) (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	2,100.00
Date	01-Oct-2013	20-Apr-2020	05-Nov-2020	30-Dec-2022
Comments:	None of the target farmers have received irrigation services. Irrigation works are progressing at a slower rate than originally envisaged, due to delays in land acquisition.			
□ Water users provided with irrigation and drainage services - female (number) (Number, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	1,008.00
Date	01-Oct-2013	20-Apr-2020	05-Nov-2020	30-Dec-2022
▶ Cropping intensity for Lower Nzoia irrigation scheme (Percentage, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	77.00	80.00	100.00	170.00
Date	01-Oct-2013	20-Apr-2020	05-Nov-2020	30-Dec-2022
Comments:	Irrigation works are progressing at a slower rate than originally envisaged, due to delays in land acquisition.			
▶ Value of scheme Agricultural Products marketed (Amount(USD), Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	5.34	5.50	6.20	11.37
Date	01-Oct-2013	20-Apr-2020	05-Nov-2020	30-Dec-2022
Comments:	Irrigation works are progressing at a slower rate than originally envisaged, due to delays in land acquisition. In the meantime, the rehabilitation of the existing Bunyala irrigation scheme has started and expected to be completed in January 2021			
▶ No. of irrigation water user associations (IWUAs) created or strengthened (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	14.00	14.00	14.00
Date	24-Jul-2013	20-Apr-2020	05-Nov-2020	30-Dec-2022
Comments:	This indicator has been achieved.			



► Number of People Consulted (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	2,700.00	2,700.00	4,000.00
Date	01-Oct-2013	20-Apr-2020	05-Nov-2020	30-Dec-2022
Comments:	Indicator is on track to be achieved by project closing date			
► Household Water Connections New and Rehabilitated (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	47.00	4,102.00	7,500.00
Date	06-Apr-2015	20-Apr-2020	05-Nov-2020	30-Dec-2022
Comments:	The previous figure reported in the May 2019 ISR was a mistake. MOWASCO has only recently launched the house connections process. The target is unlikely to be achieved by the project closing date due to inadequate water supplies in target areas (Likoni). The target may be revised at the next restructuring.			
► Development and use of Investment Framework (IF) (Text, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	Initial IF has been developed	Investment framework has been developed	Investment framework has been developed	IF applied for water sector investments
Date	01-Oct-2013	20-Apr-2020	05-Nov-2020	30-Dec-2022
Comments:	Indicator is on track to be achieved by project closing date			
► Number of studies completed to advance investment pipeline (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	8.00	8.00	12.00
Date	01-Oct-2013	01-May-2019	05-Nov-2020	30-Dec-2022
Comments:	The targeted number of studies will not be achieved. There are no funds in the project for additional studies, as Technical Assistance (TA) activities were scaled down during the June 2019 restructuring. Target will be revised at the next restructuring.			

C2: Effective Water Sector Institutions

► Percentage of institutions mandated by the Water Act that have been established (Percentage, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	100.00	100.00	100.00



Date	22-Mar-2019	20-Apr-2020	05-Nov-2020	30-Dec-2022
Comments:	This indicator has been achieved. All key institutions mandated under the Water Act 2016 have been established			
► Revenue Collection Efficiency (Percentage, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	90.00	95.00	90.00	97.00
Date	12-Mar-2014	20-Apr-2020	05-Nov-2020	20-Oct-2020
Comments:	Revenue collection efficiency reduced due to COVID-19. That said, there may be issues with attribution as the project's investments in MOWASCO's commercial systems are currently limited. The MOWASCO component was significantly scaled-down during the June 2019 restructuring. However, there was no corresponding change in intermediate indicators.			
► Six Basin Plans Developed and Adopted (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	1.00	1.00	6.00
Date	01-Oct-2013	01-May-2019	05-Nov-2020	30-Dec-2022
Comments:	This indicator has been achieved. All six basin plans have been completed. To be formally adopted after the basin areas are officially gazetted (after approval of the water resources regulations)			
► Number of new or upgraded monitoring stations (hydrological, hydro-meteorological and ground water) (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	41.00	41.00	91.00
Date	01-Oct-2013	20-Apr-2020	05-Nov-2020	30-Dec-2022
Comments:	Indicator is on track to be achieved by project closing date			
► Number of sub-catchment management plans (SCMPs) revised /developed and implemented (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	44.00	90.00	98.00	59.00
Date	01-Jul-2016	20-Apr-2020	05-Nov-2020	30-Dec-2022
Comments:	This indicator has been achieved.			
C3: Support for Project Implementation				



► Project M&E Established and Operational (Text, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	NA	M&E System partially established	M&E System partially established	Fully Operational
Date	01-Oct-2013	20-Apr-2020	05-Nov-2020	30-Dec-2022
Comments:	A new M&E/MIS system is has been developed, and the PMU is in the process of recruiting an M&E specialist to provide support on project M&E, and knowledge management.			

Performance-Based Conditions

Data on Financial Performance

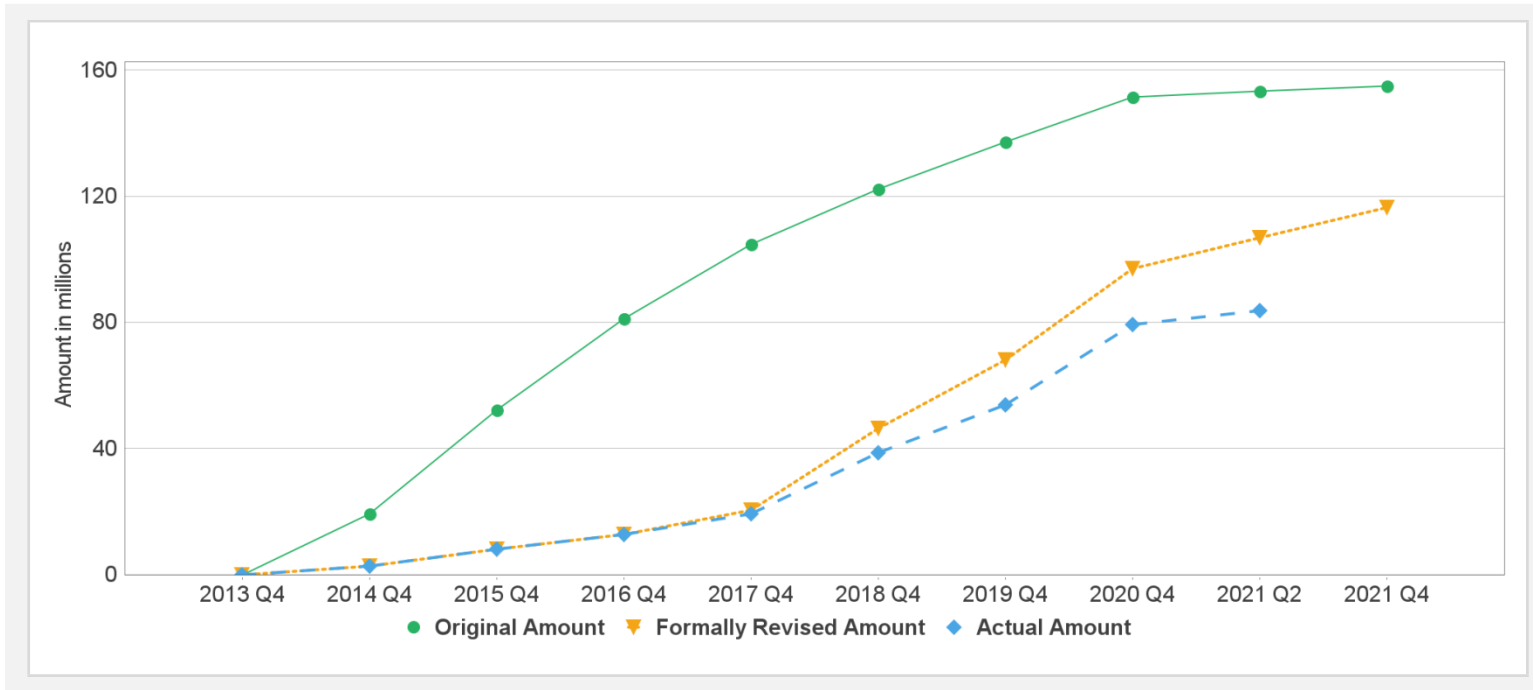
Disbursements (by loan)

Project	Loan/Credit/TF	Status	Currency	Original	Revised	Cancelled	Disbursed	Undisbursed	% Disbursed
P117635	IDA-52680	Effective	USD	155.00	125.61	29.39	78.84	36.45	68%
P117635	IDA-56740	Effective	USD	58.00	3.99	54.01	3.02	0.00	100%
P117635	TF-A0761	Effective	USD	3.50	3.50	0.00	1.87	1.63	53%

Key Dates (by loan)

Project	Loan/Credit/TF	Status	Approval Date	Signing Date	Effectiveness Date	Orig. Closing Date	Rev. Closing Date
P117635	IDA-52680	Effective	18-Jun-2013	29-Jul-2013	24-Oct-2013	01-Oct-2020	31-Dec-2022
P117635	IDA-56740	Effective	26-Jun-2015	07-Sep-2015	07-Sep-2015	31-Dec-2022	31-Dec-2022
P117635	TF-A0761	Effective	26-Jun-2015	07-Sep-2015	07-Sep-2015	31-Dec-2020	31-Dec-2020

Cumulative Disbursements



PBC Disbursement

PBC ID	PBC Type	Description	Coc	PBC Amount	Achievement Status	Disbursed amount in Coc	Disbursement % for PBC

Restructuring History

Level 2 Approved on 04-Sep-2017 ,Level 2 Approved on 25-Jun-2019

Related Project(s)

P151660-Addl Financing - Kenya Water Security and Climate Resilience Project