



Water Supply and Wastewater Services Improvement Project (P171778)

LATIN AMERICA AND CARIBBEAN | Dominican Republic | Water Global Practice |
IBRD/IDA | Investment Project Financing | FY 2021 | Seq No: 1 | ARCHIVED on 24-Sep-2021 | ISR48183 |

Implementing Agencies: Water and Sewerage Corporation of Moca (CORAAMOCA), Dominican Republic, National Institute for Water Supply and Sewerage

Key Dates

Key Project Dates

Bank Approval Date: 27-May-2021

Effectiveness Date: --

Planned Mid Term Review Date: 06-Nov-2023

Actual Mid-Term Review Date:

Original Closing Date: 27-May-2026

Revised Closing Date: 27-May-2026

Project Development Objectives

Project Development Objective (from Project Appraisal Document)

To increase access to and improve quality and efficiency of water supply and sanitation services in target areas of the Dominican Republic.

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

No

Components Table

Name

Water Supply Infrastructure and Efficiency:(Cost \$6.02 M)
Wastewater Collection and Treatment Infrastructure:(Cost \$30.00 M)
Institutional Capacity Strengthening:(Cost \$3.24 M)
Project Management and Monitoring:(Cost \$4.13 M)
Contingent Emergency Response

Overall Ratings

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

Implementation Status and Key Decisions

The implementation agency, the National Institute of Water Supply and sewerage (INAPA), is working towards the four specific effectiveness conditions of the legal agreement. The Task Team has given its No Objection to the proposed interim staff of the PIU on August 25, 2021, which will operate the PIU until permanent staff can be recruited with loan proceeds. A draft POM has been developed and the PIU continues to advance the draft with Task Team support. The Task Team has shared examples of inter-institutional agreements with INAPA to help them develop a draft. The Ministry of Finance will take the lead on developing a Subsidiary Agreement once the project is approved by congress. The PIU staff continue to advance on the ESF instruments to comply with the legal covenants with support of the Task Team. The Task Team is also supporting the PIU and CORAAMOCA with the development of two terms of reference that are for key consultancies for Component 1 on water supply and Component 2 on wastewater collection and treatment.



Risks

Systematic Operations Risk-rating Tool

Risk Category	Rating at Approval	Previous Rating	Current Rating
Political and Governance	☐ Moderate	--	☐ Low
Macroeconomic	☐ Moderate	--	☐ Low
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	☐ Substantial	--	☐ Substantial
Stakeholders	☐ Substantial	--	☐ Substantial
Other	--	--	--
Overall	☐ Substantial	--	☐ Substantial

Results

PDO Indicators by Objectives / Outcomes

Improved efficiency				
▶ Reduction in Non-Revenue Water (Percentage, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	82.00	--	82.00	50.00
Date	27-May-2021	--	09-Sep-2021	27-May-2026
Comments:	NRW= (VDW-VBW)/VDW where NRW: non-revenue water VDW: volume of delivered water to the network VBW: volume of billed water [GHG analysis shows it is expected to result in energy savings and net emissions reductions (See GHG analysis) supporting the mitigation agenda. In addition, controlling NRW will help CORAAMOCA better manage its resources, particularly during times of drought improving continuity of services contributing the adaptation agenda]			
▶ Improved Operating Cost Coverage Index (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target



Value	0.71	--	0.71	0.85
Date	27-May-2021	--	09-Sep-2021	27-May-2026
Comments:	<p>OCCI = OREV / OPEX where, OCCI: Operating Cost Coverage Index OREV: Total annual operating revenue OPEX: Total annual operating expenses OCCIt = REV / OPEX where, OCCIt: Operating Cost Coverage Index including Central Government transfers to pay electricity and wages REV: Total annual revenue including transfers OPEX: Total annual operating expenses</p>			

Improved Access				
▶ People gaining access to safely managed water supply (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	18,000.00	--	18,000.00	123,000.00
Date	27-May-2021	--	09-Sep-2021	27-May-2026
Comments:	<p>PSAW= RC x PH x PC where, PSAW: Number of people with access to a securely managed water supply (water is available on-site when needed and free from contamination.) RC: Number of residential clients PH: Number of people per household (weighted for targeted areas) PC: Percentage of compliance with water quality standards (number of satisfactory analyses over total number of analyses) By increasing efficiency and reducing NRW, the water supply systems in Moca and Gaspar Hernandez will make more water available for existing and new customers, improve quality of services for existing customers and increase access for new customers</p>			
□ People gaining access to safely managed water supply - female (Number, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	9,000.00	--	9,000.00	61,500.00
Date	27-May-2021	--	09-Sep-2021	27-May-2026
▶ People gaining access to improved wastewater treatment (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	--	0.00	90,000.00
Date	13-Jan-2021	--	09-Sep-2021	27-May-2026
Comments:	<p>PAWW = RU x PH where, PAWW: Number of people with access to wastewater treatment services that meet national standards. RU: Number of Residential Users with access to wastewater treatment services that meet national standards. PH: people per household (weighted for targeted areas)</p>			
□ People gaining access to improved wastewater treatment - female (Number, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	--	0.00	45,000.00
Date	27-May-2021	--	09-Sep-2021	27-May-2026

Improved quality



► Volume of wastewater treated to national standards (Cubic meters/year, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	--	0.00	5,900,000.00
Date	27-May-2021	--	09-Sep-2021	27-May-2026
Comments:	The quantity or volume of wastewater that is treated in compliance with national environmental regulations on water discharge per year. This is a corporate indicator and is only measured per year.			

Overall Comments

The project has not yet reach effectiveness and has not advanced towards reaching these targets.

Intermediate Results Indicators by Components

Component 1 - Water Supply Infrastructure and Efficiency				
► People gaining access to new water supply connections (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	--	0.00	12,750.00
Date	27-May-2021	--	09-Sep-2021	27-May-2026
Comments:	PNW= NRC x PH where, PNW: Number of people with access to a new active drinking water connection NRC: Number of new residential clients in identified expansion areas PH: Number of people per household A connection is considered active if it receives water with the expected frequency or higher.			
► New household water supply connections (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	--	0.00	3,400.00
Date	27-May-2021	--	09-Sep-2021	27-May-2026
Comments:	Number of new residential clients in identified expansion areas.			
► District Metered Areas Implemented (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	--	0.00	26.00
Date	27-May-2021	--	09-Sep-2021	27-May-2026
Comments:	Number of water sectors in which all the input and output flows are measured or in which it is estimated using consumption profiles by type of user and water balance calculated on a monthly basis. There are 23 sectors in Moca and 3 in Gaspar Hernandez.			



► Water supply network rehabilitated (Kilometers, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	--	0.00	50.00
Date	27-May-2021	--	09-Sep-2021	14-Jan-2026
Comments:	Length of rehabilitated or renewed pipes in distribution networks. Rehabilitated pipes can be defined as pipes in which repairs or replacements have been made and exceed 6 meters per intervention. The entire length of pipe will be the smaller number between the distance of two accessories (valves, "T", elbows, etc.) or network or 100 meters.			
► Micro-meters installed (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	--	0.00	10,000.00
Date	27-May-2021	--	09-Sep-2021	27-May-2026
Comments:	This indicator will measure the number of micro-meters installed			

Component 2- Wastewater Collection and Treatment				
► People gaining new access to sewerage (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	--	0.00	47,500.00
Date	27-May-2021	--	09-Sep-2021	27-May-2026
Comments:	PNAWW = RCNWW x PH Where: PNAWW: Number of people with new access to sewerage services with new connections built under the project. RCNWW: Number of residential client with access to sewerage services with new connections built under the project. PH: Number of people per household			
► New sewerage connections (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	--	0.00	12,650.00
Date	27-May-2021	--	09-Sep-2021	27-May-2026
Comments:	Number of new connections built under the project in the municipalities of Moca and Gaspar Hernández.			
► Wastewater collectors rehabilitated (Kilometers, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	--	0.00	2.00



Date	27-May-2021	--	09-Sep-2021	27-May-2026
Comments:	Length of rehabilitated or renewed collector pipes in the sewage system with a diameter greater than or equal to 10" built under the project. Rehabilitated pipes are defined as those in which repairs or replacements have been made that exceed 10 meters per intervention.			
► New collectors installed (Kilometers, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	--	0.00	23.00
Date	27-May-2021	--	09-Sep-2021	27-May-2026
Comments:	Length of new sewage collectors with a diameter greater than or equal to 10" built under the project.			

Component 3 - Institutional Capacity Strengthening				
► Amount billed (Amount(USD), Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	3,759,000.00	--	3,759,000.00	5,185,000.00
Date	27-May-2021	--	09-Sep-2021	27-May-2026
Comments:	Amount of revenue billed to customers for water supply and sanitation per year. This indicator includes fixed charges, connection fees, service or reconnection charges and other special charges. Note, the increase in the amount billed should reflect the increase in the O&M due to the operation of WWTPs.			
► Collection rate (Percentage, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	85.00	--	85.00	98.00
Date	27-May-2021	--	09-Sep-2021	27-May-2026
Comments:	Total amount of revenue collected as a percentage of the billed amount.			
► Social compacts signed (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	--	0.00	26.00
Date	27-May-2021	--	09-Sep-2021	27-May-2026
Comments:	Social compact represents the agreement that derives from a participatory process of two-way dialogue with specific communities. It articulates the terms of the agreement for joint accountability between the utility and the community, and feedback loop to improve services.			
► Performance Management Scorecard Indicator Targets Achieved (as a % of all indicators in the Scorecard) (Percentage, Custom)				



	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	--	0.00	80.00
Date	27-May-2021	--	09-Sep-2021	27-May-2026
Comments:	Ratio between indicators in the scorecard indicating an improvement in performance in at least 4 of the previous 6 months and the total amount of indicators in the scorecard.			
► Share of engineers that are women in CORAAMOCA (Percentage, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	33.00	--	33.00	37.00
Date	27-May-2021	--	09-Sep-2021	27-May-2026
Comments:	This indicator will measure the share of licensed engineers in the organization that are women. A survey carried out in February 2021 showed that there are 18 engineers in CORAAMOCA of which 12 are male and 6 are female. Over the course of the project, activities related to recruitment policies and retention of female engineers will aim to minimize exit of female engineers and promote the recruitment of female candidates. The percent point increase is set at a modest 4 percent because the project is cognizant of the larger impact that COVID may have on society and the burden that falls on women to leave the workforce. Additionally, there are not a significant amount of engineering staffing positions within the organization, and turnover of existing staff may be limited minimizing opportunities for female entrants. Retention of existing female engineers and recruitment of additional females in these positions will help CORAAMOCA have a diverse workforce representative of the population they serve.			
► Increase in improved satisfaction of users in target areas (Percentage Point) (Percentage, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	--	0.00	15.00
Date	27-May-2021	--	09-Sep-2021	27-May-2025
Comments:	This indicator will measure the percentage point increase of improved satisfaction of water supply and sanitation services and perceived trust among CORAAMOCA users. The survey will provide a feedback loop to INAPA/CORAAMOCA that can be used to make adjustments to the project.			

Overall Comments

The project has not yet reach effectiveness and has not advanced towards reaching these targets.

Performance-Based Conditions

Data on Financial Performance

Disbursements (by loan)

Project	Loan/Credit/TF	Status	Currency	Original	Revised	Cancelled	Disbursed	Undisbursed	% Disbursed
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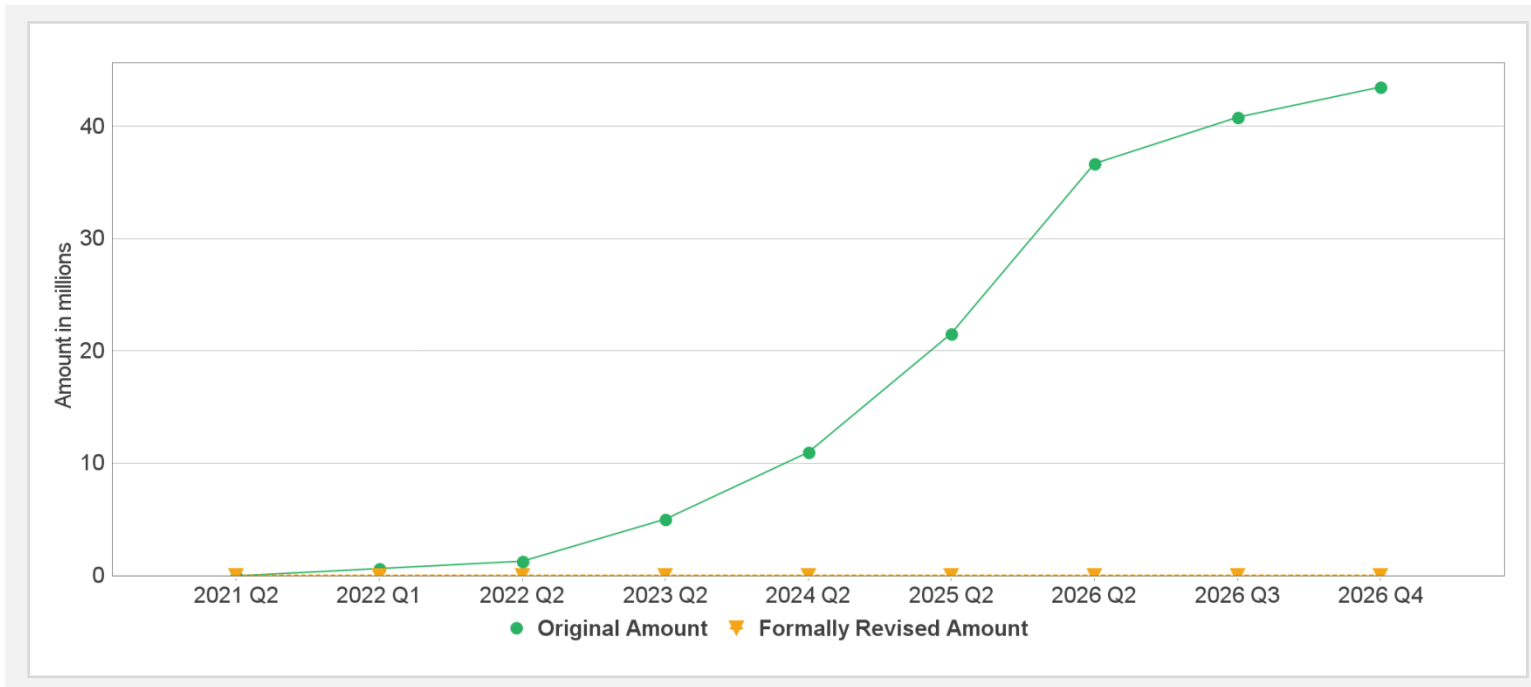


P171778	IBRD-92420	Not Effective	USD	43.50	43.50	0.00	0.00	43.50	<div style="width: 0%; height: 15px; background-color: #ccc;"></div>	0%
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Key Dates (by loan)

Project	Loan/Credit/TF	Status	Approval Date	Signing Date	Effectiveness Date	Orig. Closing Date	Rev. Closing Date
P171778	IBRD-92420	Not Effective	27-May-2021	14-Jul-2021	--	27-May-2026	27-May-2026

Cumulative Disbursements



PBC Disbursement

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

Restructuring History

There has been no restructuring to date.

Related Project(s)

There are no related projects.