Public Disclosure Authorized

PE Optimization of Lima Water and Sewerage Systems (P117293)

LATIN AMERICA AND CARIBBEAN | Peru | Water Global Practice |
IBRD/IDA | Investment Project Financing | FY 2011 | Seq No: 18 | ARCHIVED on 27-Jun-2020 | ISR42185 |

Implementing Agencies: SEDAPAL, Ministerio de Economia y Finanzas - MEF

Key Dates

Key Project Dates

Bank Approval Date: 07-Apr-2011
Effectiveness Date: 07-Dec-2011
Planned Mid Term Review Date: 20-Jan-2015
Actual Mid-Term Review Date: 13-Jan-2015
Original Closing Date: 31-Oct-2016
Revised Closing Date: 30-Jun-2020

Project Development Objectives

Project Development Objective (from Project Appraisal Document)

The proposed development objective of this project is to improve efficiency, continuity and reliability of water supply and sanitation services in the Northern Area of Lima.

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

No

Components Table

Name
Component 1. Rehabilitation of water and sewerage networks in Northern Service Area of Lima:(Cost $51.30 M) Component 2. Improving SEDAPAL's Efficiency:(Cost $1.88 M) Component 3. SEDAPAL Project Management:(Cost $1.32 M)

Overall Ratings

Name	Previous Rating	Current Rating
Progress towards achievement of PDO	Satisfactory	Satisfactory
Overall Implementation Progress (IP)	Satisfactory	Satisfactory
Overall Risk Rating	Moderate	Moderate

Implementation Status and Key Decisions

The US$54.5 million Parent Project, Peru - Optimization of Lima Water and Sewerage Systems Project (Loan 80250-PE), was approved on April 7, 2011 and became effective on December 7, 2011. The parent project - Lima Norte I was extended by 22 months until August 30, 2018. The Parent project's physical investments were designed to serve four districts, namely, Comas, Independencia, San Martin de Porres and Los Olivos. The loan underwent one restructuring to extend the closing date from October 31, 2016 to August 31, 2018 to enable the completion of strategic consultancy contracts geared at improving SEDAPAL's capacity and efficiency. Upon the revised closing date, all works envisaged under the original design and several consultancies were concluded and are in process of being tendered and/or implemented during the current or the following year.

The Second Optimization of Lima Water & Sewerage Project, which constitutes a US$55 million Additional Financing (Loan 84680-PE), was approved on January 25, 2015 and became effective on June 27, 2016. The original closing date was extended from December 31, 2019 to June 30, 2020. The Additional Financing expanded to geographical scope to include the rehabilitation of water and sewerage systems in adjacent neighborhoods in Northern Lima (Los Olivos). The civil works contract for Lima Norte 2's area of intervention was initiated in October 2017. The contractor informed at the beginning of March that the rehabilitation of water and sewerage network was substantially completed (100% physical progress) and there were just some minor works which were expected to be finalized before the end date of the contract (March 18, 2020). However, the government declared the state of emergency due to the COVID-19 on March 15, 2020, and works were suspended three days before the end date of the contract. Pending minor works and observations include curbs, replacement of footpaths and other surface finishing; hydraulic tests as well as the installation of some equipment as valves. Notwithstanding these pending activities, almost all systems that have been built have entered in operation upon completion.

Risks

Systematic Operations Risk-rating Tool

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

Results

PDO Indicators by Objectives / Outcomes

The proposed development objective of this project is to improve efficiency, continuity and reliabil

►Number of daily hours water services are provided in the project area. (Hours, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	16.09	23.90	23.90	24.00
Date	09-Mar-2011	30-Sep-2019	01-Jun-2020	30-Jun-2020
Comments:	Lima Norte I - 23.78			

	Lima Norte II - 24

►Annual incidence of water pipe breakages per km of water supply network in the project area. (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.21	0.15	0.16	0.07
Date	09-Mar-2011	30-Sep-2019	01-Jun-2020	30-Jun-2020
Comments:	Lima Norte I - 0.14 Lima Norte II - 0.17			

►Annual incidence of sewerage blockages per km of sewerage network in the project area. (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	8.75	1.56	1.81	2.34
Date	09-Mar-2011	30-Sep-2019	01-Jun-2020	30-Jun-2020
Comments:	Lima Norte I - 1.25 Lima Norte II - 2.48			

►Percentage reduction in Non Revenue Water (% of volume invoiced/volume distributed) (Percentage, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	40.00	25.03	25.00	25.00
Date	09-Mar-2011	30-Sep-2019	01-Jun-2020	30-Jun-2020
Comments:	Lima Norte I - 26 Lima Norte II - 25			

►Direct project beneficiaries (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	504,925.00	502,853.00	438,000.00
Date	01-Jun-2011	30-Sep-2019	01-Jun-2020	30-Jun-2020
Comments:	Lima Norte I - 216.034 Lima Norte II - 288.470			

Female beneficiaries (Number, Custom Supplement)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	251,686.00	252,252.00	222,504.00

Intermediate Results Indicators by Components

Component 1. Rehabilitation of water and sewerage networks in Northern Service Area of Lima

►Km of water pipes rehabilitated. (Kilometers, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	256.00	235.92	384.00
Date	09-Mar-2011	30-Sep-2019	01-Jun-2020	30-Jun-2020
Comments:	Lima Norte I - 119.5 Lima Norte II - 116.4			

►Km of sewerage pipes rehabilitated. (Kilometers, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	265.00	259.30	246.00
Date	09-Mar-2011	30-Sep-2019	01-Jun-2020	30-Jun-2020
Comments:	Lima Norte I - 152.8 Lima Norte II - 106.5			

►Piped household water connections that are benefiting from rehabilitation works undertaken by the project (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	63,367.00	62,571.00	69,444.00
Date	09-Mar-2011	30-Sep-2019	01-Jun-2020	30-Jun-2020
Comments:	Lima Norte I - 27,460 Lima Norte II - 35,111 Previous numbers were not consistent.			

►Number of water utilities that the project is supporting (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	1.00	1.00	1.00
Date	09-Mar-2011	30-Sep-2019	01-Jun-2020	30-Jun-2020

►Number of stakholders (men and women) reached with information on rational water use, including information on water saving equipment (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	100,061.00	195,061.00	45,000.00

Date	09-Mar-2011	30-Sep-2019	01-Jun-2020	30-Jun-2020
Comments:	Lima Norte I - 11,7676 Lima Norte II - 183,294			

►No. of schools reached with information on rational water use, including information on water saving equipment (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	119.00	125.00	10.00
Date	01-Jan-2015	31-May-2019	01-Jun-2020	30-Jun-2020
Comments:	Lima Norte I - 33 Lima Norte II - 92			

Component 2. Improving SEDAPAL's Efficiency

►Action plan completed for the integration of GIS and SCADA systems. (Yes/No, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No	Yes	Yes	Yes
Date	09-Mar-2011	31-Dec-2018	01-Jun-2020	31-Dec-2019

►Evaluation of current and future demand for water and sanitation services completed together with identification of priority actions to meet such demand as efficiently as possible. (Yes/No, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No	No	No	Yes
Date	09-Mar-2011	30-Sep-2019	01-Jun-2020	31-Dec-2019

►Study on options for the development of a new organizational model completed. (Yes/No, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No	Yes	Yes	Yes
Date	09-Mar-2011	31-May-2019	01-Jun-2020	31-Dec-2019

Component 3. SEDAPAL Project Management

►Complaints satisfactorily redressed (Percentage, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	65.00	99.00	96.00	85.00

Date	01-Jan-2015	30-Sep-2019	01-Jun-2020	30-Jun-2020
Comments:	The status of this indicator still needs to be check for consistency.			

►Integrated Non-Revenue Water management Action Plan elaborated and approved by SEDAPAL's General Management and Board (Yes/No, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No	No	No	Yes
Date	01-Jan-2015	30-Sep-2019	01-Jun-2020	30-Jun-2020

►Number of people (men and women) participating in learning events on strategic planning and management (Amount(USD), Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	46.00	47.00	20.00
Date	09-Mar-2011	30-Sep-2019	01-Jun-2020	30-Jun-2020
Comments:	Men - 26 Women - 21			

Performance-Based Conditions

Data on Financial Performance

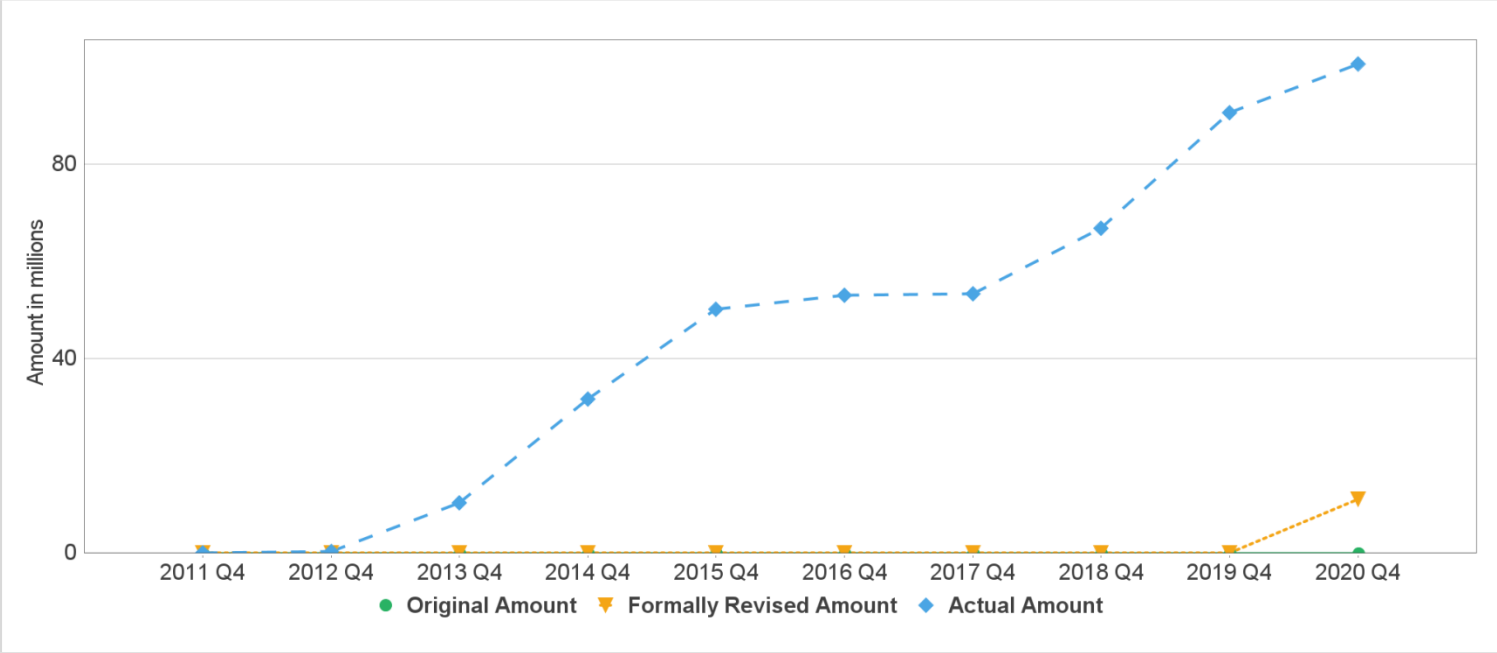
Disbursements (by loan)

Project	Loan/Credit/TF	Status	Currency	Original	Revised	Cancelled	Disbursed	Undisbursed	% Disbursed
P117293	IBRD-80250	Closed	USD	54.50	54.50	0.00	54.50	0.00	100%
P117293	IBRD-84680	Effective	USD	55.00	55.00	0.00	46.11	8.89	84%

Key Dates (by loan)

Project	Loan/Credit/TF	Status	Approval Date	Signing Date	Effectiveness Date	Orig. Closing Date	Rev. Closing Date
P117293	IBRD-80250	Closed	07-Apr-2011	22-Jul-2011	07-Dec-2011	31-Oct-2016	31-Aug-2018
P117293	IBRD-84680	Effective	15-Jan-2015	25-Nov-2015	27-Jun-2016	31-Dec-2019	30-Jun-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 27-Oct-2016 ,Level 2 Approved on 19-Dec-2019

Related Project(s)

P133287-PE AF-Second Optimization of Lima Water & Sewerage