



Energy Efficiency in Public Facilities Project (PRESEMEH) (P149872)

LATIN AMERICA AND CARIBBEAN | Mexico | Energy & Extractives Global Practice |
IBRD/IDA | Investment Project Financing | FY 2016 | Seq No: 10 | ARCHIVED on 22-Jan-2021 | ISR45065 |

Implementing Agencies: United Mexican States, Secretaría de Energía (SENER)

Key Dates**Key Project Dates**

Bank Approval Date: 08-Mar-2016

Effectiveness Date: 23-Sep-2016

Planned Mid Term Review Date: 15-Jul-2019

Actual Mid-Term Review Date: 07-Oct-2019

Original Closing Date: 31-Oct-2021

Revised Closing Date: 31-Oct-2021

Project Development Objectives

Project Development Objective (from Project Appraisal Document)

The objective of the project is to promote the efficient use of energy in the Borrower's municipalities by carrying out energy efficiency investments in selected municipal sectors and contribute to strengthening the enabling environment.

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 objective is to promote the efficient use of energy in the Borrower's municipalities and other eligible public facilities by carrying out energy efficiency investments in selected public sectors and to contribute to strengthening the enabling environment.

Components Table

Name

Policy development and institutional strengthening:(Cost \$7.00 M)

Municipal energy efficiency investments:(Cost \$133.82 M)

Public Facility Energy Efficiency Investments:(Cost \$70.70 M)

Municipal Energy Efficiency Contingency Facility:(Cost \$6.08 M)

Overall Ratings

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

**Implementation Status and Key Decisions**

The operation was approved by the World Bank's Executive Board on March 8, 2016 and became effective on September 23, 2016. The Project received an Additional Finance of US\$55.79 million (including US\$5.79 million Global Environment Fund resources) to support Energy Efficient investments in public schools and hospitals, along with a Contingency Facility (financed by the Global Environment Fund grant), which was approved by the Board on March 8, 2018 and became effective October 26, 2018. The project is being implemented by SENER over a five-year period with a closing date of October 31, 2021.

The Project is aligned with the National Development Plan 2019-2024 and implementation has continued despite recent challenges associated with the COVID-19 pandemic. A pipeline subprojects for municipalities and hospitals as well as technical studies has been identified and discussions are ongoing between the Bank and the government to expedite implementation in the context of a project restructuring.

Risks**Systematic Operations Risk-rating Tool**

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

Results**PDO Indicators by Objectives / Outcomes**

Projected lifetime energy savings (Megawatt hour(MWh))				
► Projected lifetime energy savings (Megawatt hour(MWh)) (Megawatt hour(MWh), Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	71,400.00	71,400.00	1,735,000.00
Date	31-Jul-2016	15-Jun-2020	15-Dec-2020	15-Dec-2022
Comments:	The street lighting subproject of Huajuapán de León was completed			



Number of ESAs signed (number)				
▶ Number of ESAs signed (Number) (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	7.00	8.00	40.00
Date	31-Jul-2016	15-Jun-2020	15-Dec-2020	31-Oct-2021
Comments:	ESAs signed with the municipalities of : Leon, Huamantla, Miguel Hidalgo, Huajuapán de León, Puebla, Cozumel and Oaxaca.			

Framework to scale-up municipal energy efficiency in the country				
▶ Framework to scale-up municipal energy efficiency in the country (Text, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No framework	No framework	No framework	Framework accepted by SENER
Date	31-Jul-2016	15-Jun-2020	15-Dec-2020	31-Oct-2021

Projected Lifetime GHG emission reductions (tCO2)				
▶ Projected Lifetime GHG emission reductions (tones/year) (Tones/year, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	37,409.00	37,409.00	810,000.00
Date	31-Jul-2016	15-Jun-2020	15-Dec-2020	31-Oct-2021
Comments:	The street lighting subproject of Huajuapán de León was completed.			

Overall Comments

Most of the DPO indicators remain unchanged. There were no subprojects finalized during the past six months due to completion delays. One more ESA was signed with the municipality of Culiacán.

Intermediate Results Indicators by Components

Policy development and institutional strengthening				
▶ Participants in consultation activities during project implementation (number) (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	297.00	297.00	1,000.00



Date	01-Feb-2016	15-Jun-2020	15-Jun-2020	31-Oct-2021
Comments:	Capacity building activities include CURB training and the Diplomados on EE in Municipalities.			
□ Participants in consultation activities during project implementation - female (Number, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	75.00	75.00	400.00
Date	01-Feb-2016	15-Jun-2020	15-Jun-2020	31-Oct-2021
► Design of energy management systems (EnMS) for street lighting, water and wastewater, municipal buildings, and public facilities (number) (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	5.00
Date	01-Feb-2016	16-Jun-2020	16-Jun-2020	31-Oct-2021
Comments:	Several meetings were held with SENER, CONUEE and GIZ in 2018 to identify municipalities where the Project could start the work to design an EMS. Guidance is needed from the current administration at SENER to clarify how to move forward with the EMS consultancy.			

Municipal energy efficiency investments				
► Default rate of municipalities (% , average rate of non-payment over total outstanding loan balance) (Percentage, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	10.00
Date	01-Feb-2016	15-Jun-2020	15-Jun-2020	31-Oct-2021
► Street light interventions (number) (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	4.00	4.00	16.00
Date	01-Feb-2016	15-Jun-2020	15-Jun-2020	31-Oct-2021
Comments:	Street light interventions include: Leon, Miguel Hidalgo, Huajapan de Leon, Oaxaca. In Cozumel, the contract award was completed and first payment authorized, works to begin in September due to COVID.. Additionally, 4 street lighting subprojects with energy audits completed (Culiacan, Coatzacoalcos, Rio Grande y Los Pinos) ; (v) 1 water pumping subproject with ongoing energy audit (Gomez Palacio) and (vi) 1 street lighting subproject with energy audit planned to start at the end of June (Xalapa)			
► Water and wastewater interventions (number) (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	8.00
Date	01-Feb-2016	15-Jun-2020	15-Jun-2020	31-Oct-2021



Comments:	One sub-project under preparation (Gomez Palacio)			
► Municipal building interventions (number) (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	8.00
Date	01-Feb-2016	15-Jun-2020	15-Jun-2020	31-Oct-2021
Comments:	SENER is not planning to conduct municipal building subprojects anymore, as the street lighting sector is their priority.			

Public Facility Energy Efficiency Investments				
► Capacity-building, outreach and women in STEM activities implemented (number) (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	10.00	10.00	30.00
Date	01-Feb-2016	15-Jun-2020	15-Jun-2020	31-Oct-2021
► Sub-projects designed (number) (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	9.00	9.00	44.00
Date	01-Feb-2016	15-Jun-2020	15-Jun-2020	31-Oct-2021
Comments:	Subprojects designed: Leon, Huamantla, Miguel Hidalgo, Huajuapán de Leon, Puebla, Cozumel, Oaxaca, Culiacán and Mérida.			
► Public facility interventions (number) (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	8.00
Date	07-Feb-2018	15-Jun-2020	15-Jun-2020	31-Oct-2021
Comments:	Audits completed in 6 state-level administered hospitals in Tabasco. SENER has not identified any schools, and confirmed that has decided to focus the work on buildings in hospitals only.			

Performance-Based Conditions

Data on Financial Performance



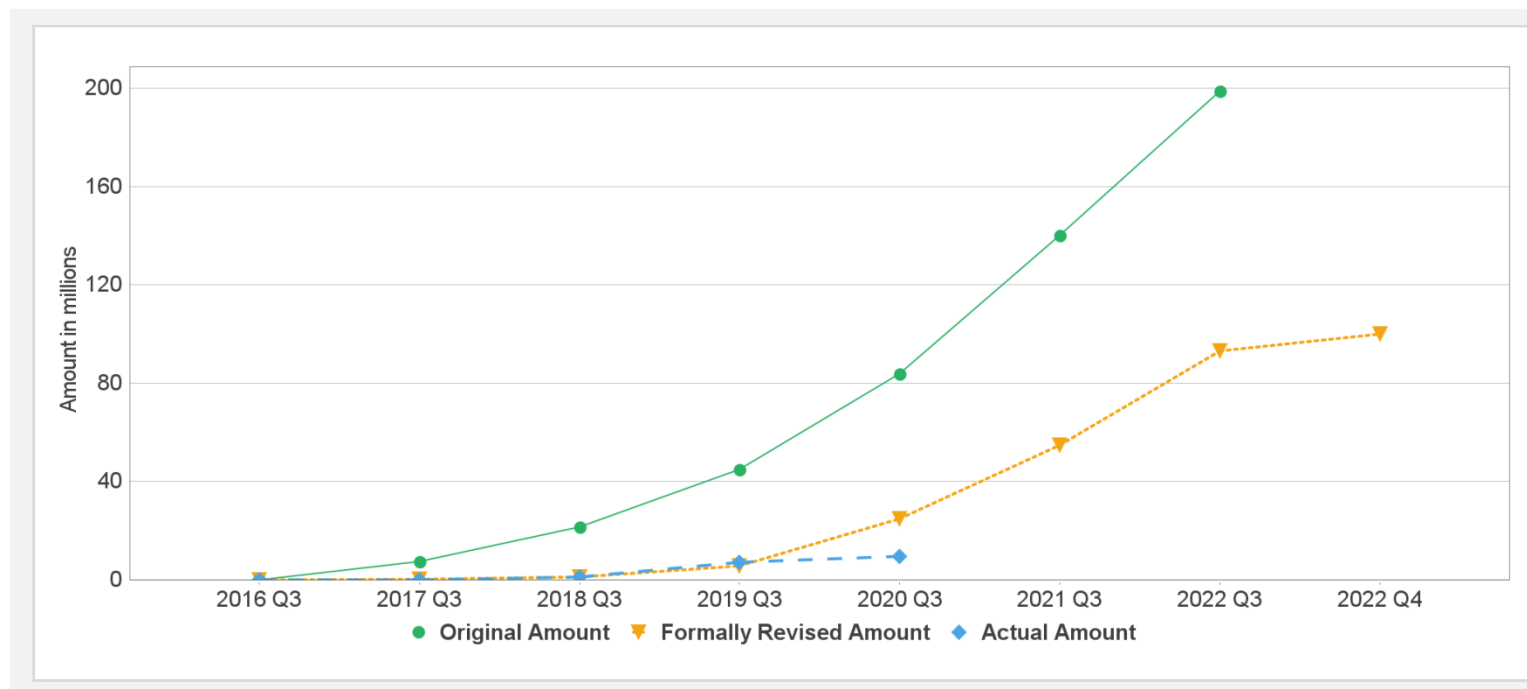
Disbursements (by loan)

Project	Loan/Credit/TF	Status	Currency	Original	Revised	Cancelled	Disbursed	Undisbursed	% Disbursed
P149872	IBRD-85940	Effective	USD	100.00	100.00	0.00	15.05	84.95	15%
P149872	IBRD-88440	Effective	USD	50.00	50.00	0.00	0.13	49.88	0.3%
P160778	TF-A7062	Effective	USD	5.79	5.79	0.00	0.00	5.79	0%

Key Dates (by loan)

Project	Loan/Credit/TF	Status	Approval Date	Signing Date	Effectiveness Date	Orig. Closing Date	Rev. Closing Date
P149872	IBRD-85940	Effective	08-Mar-2016	29-Jul-2016	23-Sep-2016	31-Oct-2021	31-Oct-2021
P149872	IBRD-88440	Effective	30-Mar-2018	10-Aug-2018	26-Oct-2018	31-Oct-2021	31-Oct-2021
P160778	TF-A7062	Effective	30-Mar-2018	10-Aug-2018	26-Oct-2018	31-Oct-2021	31-Oct-2021

Cumulative Disbursements



Restructuring History

There has been no restructuring to date.



Related Project(s)

P160778-Additional Finance for Energy Efficiency in Public Facilities Project (PRESEMEH) ,P165585-Additional Financing for Energy Efficiency in Public Facilities Project (PRESEMEH)
