

PMR Public Report

Operation Number	AR-L1280	Chief of Operations Validation Date	04/16/23
Year- PMR Cycle	Second period Jan-Dec 2022	Division Chief Validation Date	04/19/23
Last Update	03/31/23	Country Representative Validation Date	05/15/23
PMR Validation Stage	Validated by Representative		

Basic Data

Operation Profile

Operation Name	Promoting Risk Mitigation Instruments and Finance for Renewable Energy and Energy Efficiency Investments	Loan Number	4565/GN-AR
Executing Agency	BANCO INVERSION Y COMERCIO EXTERIOR	Sector/Subsector	FINANCIAL MARKETS-FINANCING FOR ENVIRONMENTAL SUSTAINABILITY
Team Leader	FERNANDINI PUGA, MANUEL PABLO	Overall Stage	Fully Disbursed
Operation Type	Loan Operation	Country	Argentina
Lending Instrument	Investment Loan	Convergence related Operation(s)	
Borrower	NACION ARGENTINA		

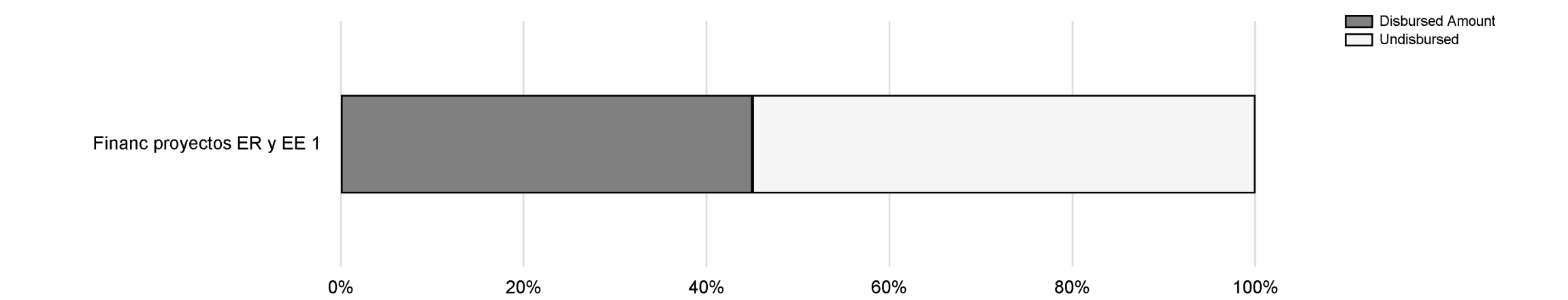
Environmental and Social Safeguards

Impacts Category	B13	Was/Were the objective(s) of this operation reformulated?	NO
Safeguard Performance Rating		Date of approval	
Safeguard Performance Rating - Rationale			

Financial Data

	Total Cost and Source					Available Funds (US\$)			
Operations	Original IDB	Current IDB	Local Counterpart	Co-Financing / Country	Total Original Cost	Current IDB	Disb. Amount to Date	% Disbursed	Undisbursed Amount
AR-L1280	100,000,000	100,000,000	60,000,000	0	160,000,000	100,000,000	100,000,000	100.00%	-
Aggregated	100,000,000	100,000,000	60,000,000	0	160,000,000	100,000,000	100,000,000	0.00%	-

Expense Categories by Loan Contract (cumulative values)



Please note that inactive indicators and outputs are not displayed; totals in the actual cost table may not match the sum of the cost of the outputs displayed, due to the cost of inactive outputs.

RESULTS MATRIX

General Development Objectives

General Development Objectives Nbr. 0: Promote the efficiency in the production and use of energy in Argentina

Observation:

	Indicator	Unit of Measure	Baseline	Baseline Year	Expected Year of Achievement	EOP 2026	
0.0	1. Power generation from RE sources (excludes large hydro) as a share of total demand	%	1.8	2016	2024	P	6.8
						A	-
Details							

Means of Verification: Source: Official data from the Ministerio de Energía y Minería (MINEM).

Observations: This measure includes all new investments added to the system, including those supported by the program. This impact is related to RE projects under the program. Target estimate is based on country's authority projections.

The General Development Objective indicator target is expected to be observed by the operation's "Fully Justified" date in Convergence (CO): No

Pro-Gender	No	Pro-Ethnicity	No	CRF indicator					
Indicator				Unit of Measure	Baseline	Baseline Year	Expected Year of Achievement	EOP 2026	
0.1	2. Energy intensity to Gross Domestic Product (GDP).			toe/1,000 US\$	0.19	2015	2024	P	.16
								A	-
Details									

Means of Verification: Source: IEA and official data from the MINEM.

Observations: Measures the quantity of energy required to generate US\$1,000 of GDP. This impact is related to EE projects under the program.

The General Development Objective indicator target is expected to be observed by the operation's "Fully Justified" date in Convergence (CO): No

Pro-Gender	No	Pro-Ethnicity	No	CRF indicator			

RESULTS MATRIX

Specific Development Objectives

Specific Development Objectives Nbr. 0: i) increase SME (defined as per Argentine’s government classification) investments in RE and EE, by providing access to medium and long-term finance; and (ii) contribute to the reduction of GHG emissions.

Observation:

	Indicator	Unit of Measure	Baseline	Baseline Year		2019	2020	2021	2022	2023	2026	EOP 2026
0.0	1. Financing from third parties mobilized by the program.	Millions of US\$	0	2018	P	2	2.3	5.5	12	12.8	-	34.6
	A				7.2	5.56	-	33.7	-	-	46.46	
	1.2 Financing from third parties mobilized by EE projects from SMEs financed.											

Details

Means of Verification: Source: Annual Report (AR) on program execution by BICE.

Observations: Includes all sources of financing (debt or equity) other than the IDB and Banco de Inversión y Comercio (BICE) own resources. Target estimate based on the average total investment required per project and an average 70/30 debt to equity ratio observed in similar projects. Total investment = US\$160 million from the program + equity + other sources

Evaluation Methodology: -

Pro-Gender	No	Pro-Ethnicity	No	CRF indicator	

	Indicator	Unit of Measure	Baseline	Baseline Year		2019	2020	2021	2022	2023	2026	EOP 2026
0.1	2. Small and Medium Enterprises (SME) that finance EE projects with resources from the program.	Project	0	2018	P	-	6	10	18	18	-	52
					A	-	-	-	172	-	-	172

Details

Means of Verification: Source: AR on program execution by BICE.

Observations: Measures number of EE projects implemented and in operation.

Evaluation Methodology: -

Pro-Gender	No	Pro-Ethnicity	No	CRF indicator	

	Indicator	Unit of Measure	Baseline	Baseline Year		2019	2020	2021	2022	2023	2026	EOP 2026
0.2	3. Annual electricity generation from RE sources by projects financed by the program (accumulated).	GWh	0	2018	P	-	17.82	23.76	47.52	106.92	-	106.92
					A	-	5.58	9.63	62.6	-	-	124.27

Details

Means of Verification: Source: AR on program execution by BICE. Can be validated with information from national utility.

Observations: Final target was estimated based on an average production factor for RE technologies expected to be financed, namely biogas and biomass. Electricity prod (GWh) = Installed capacity (GW) x 24 x 365 x production factor The indicator shows the accumulated value for each year, and the target is equal to the sum of the five years of execution.

Evaluation Methodology: -

Pro-Gender	No	Pro-Ethnicity	No	CRF indicator	

	Indicator	Unit of Measure	Baseline	Baseline Year		2019	2020	2021	2022	2023	2026	EOP 2026
0.3	4. Average annual energy savings from EE projects financed by the program (accumulated).	MWh	0	2018	P	-	8,477	22,605	48,035	73,466	-	73,466
	A				-	-	-	25,896	-	-	25,896	
	4.2 Average annual energy savings from fuel-sourced EE projects financed.											

Details

Means of Verification: Source: AR on program execution by BICE.

Observations: Final target was estimated based on an average consumption of firms and savings ratios of EE technologies installed. Savings for fuel-sourced systems are estimated by converting Gal to MWh. Energy savings = Baseline energy consumption (MWh or Gal) x % savings produced by system installed The indicator shows the accumulated value for each year, and the target is equal to the sum of the five years of execution

Evaluation Methodology: -

Pro-Gender	No	Pro-Ethnicity	No	CRF indicator	
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Means of Verification: Source: AR on program execution by BICE and conversion factor specific to Argentina (included in periodical publications of CAMMESA).

Observations: Indicator is based on the CO2e emissions displaced by RE power generation added by the program and the energy savings (electricity and fuel) from EE projects financed. Final target was estimated based on envisaged RE production and EE savings, using a country specific conversion factor for electricity and fossil fuels (0.535 tCO2/MWh and 0.015 tCO2/Gal).

Evaluation Methodology: -

Pro-Gender	No	Pro-Ethnicity	No	CRF indicator	

RESULTS MATRIX

OUTPUTS: ANNUAL PHYSICAL AND FINANCIAL PROGRESS

Component Nbr. 1 Component 1: Access to medium and long-term finance

				PHYSICAL PROGRESS		FINANCIAL PROGRESS	
	Output	Unit of Measure		2022	EOP 2026	2022	EOP 2026
1.01	Installed RE generation capacity financed by the program.	MW	P	12.5	36.3	30,000,000	86,100,000
			P (a)	10	15	30,100,000	19,400,000
			A	4.5	15	-	19,400,000
1.02	Credit line used in SME EE projects	Millions US\$	P	25.6	73.9	25,600,000	73,900,000
			P (a)	25	140.32	25,000,000	140,600,000
			A	53.32	53.32	53,000,000	53,000,000

Total Cost					
	Total Cost	P	55,600,000	160,000,000	
		P (a)	55,100,000	160,000,000	
		A	53,000,000	72,400,000	

CHANGES TO THE MATRIX					
Section	Name	Type of Change	Sub type	Modified By	Entered in System
Output	Credit line used in SME EE projects	Modify Output	Modify Financial EOP P(a) value - caused by a change in the Financial P(a).	ACORALLO	3/23/2023
			Modify Physical EOP P(a) value - caused by a change in the Physical P(a).	ACORALLO	3/23/2023
	Installed RE generation capacity financed by the program.	Modify Output	Modify Financial EOP P(a) value - caused by a change in the Financial P(a).	ACORALLO	3/23/2023
			Modify Financial Historical Actual	ACORALLO	3/14/2023
			Modify Physical EOP P(a) value - caused by a change in the Physical P(a).	ACORALLO	3/23/2023

RISKS AND PLANNED RESPONSES

Risk ID	Risk Status		Risk Taxonomy
1	Materialized		Institutional Environment
	Response Actions		
	1.01	Management Strategy	Status
		MITIGATE	INACTIVE

Risk ID	Risk Status		Risk Taxonomy
2	Active		Environmental and Social Safeguards
	Response Actions		
	2.01	Management Strategy	Status
		MITIGATE	ACTIVE

Risk ID	Risk Status		Risk Taxonomy		
3	Inactive		Planning		
	Response Actions				
	3.01	Management Strategy		Status	
		MITIGATE		INACTIVE	

Risk ID	Risk Status		Risk Taxonomy		
4	Active		Economic and Financial Environment		
	Response Actions				
	4.01	Management Strategy		Status	
		MITIGATE		ACTIVE	

IMPLEMENTATION STATUS AND LEARNING

Lesson Learned - Categories