

# PMR Public Report

<b>Operation Number</b>	HA-L1140	<b>Chief of Operations Validation Date</b>	05/06/21
<b>Year- PMR Cycle</b>	Second period Jan-Dec 2020	<b>Division Chief Validation Date</b>	05/07/21
<b>Last Update</b>	04/26/21	<b>Country Representative Validation Date</b>	05/16/21
<b>PMR Validation Stage</b>	Validated by Representative		

## Basic Data

### Operation Profile

<b>Operation Name</b>	Improving Electricity Access in Haiti	<b>Loan Number</b>	4900/GR-HA
<b>Executing Agency</b>	MINISTERE DE L'ECONOMIE ET DES FINANCES	<b>Sector/Subsector</b>	ENERGY-ENERGY SECTOR REHABILITATION AND EFFICIENCY
<b>Team Leader</b>	VANEGAS RICO, WILKFERG	<b>Overall Stage</b>	Disbursing (From eligibility until all the Operations are closed)
<b>Operation Type</b>	Grant Financing Product	<b>Country</b>	Haiti
<b>Lending Instrument</b>	Investment Loan	<b>Convergence related Operation(s)</b>	HA-G1045
<b>Borrower</b>	REPUBLIQUE D'HAITI		

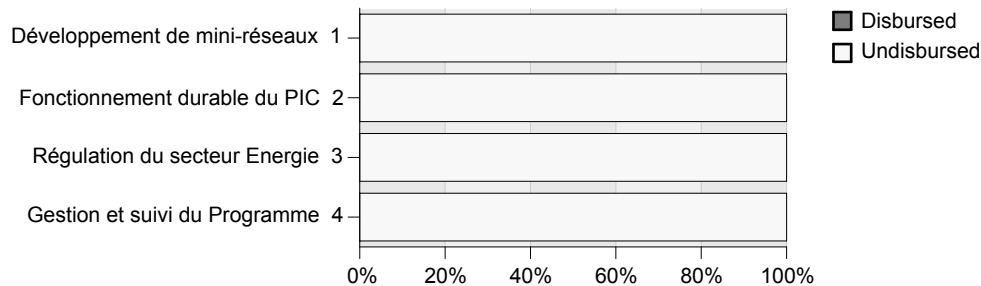
## Environmental and Social Safeguards

<b>Impacts Category</b>	B	<b>Was/Were the objective(s) of this operation reformulated?</b>	NO
<b>Safeguard Performance Rating</b>	Satisfactory	<b>Date of approval</b>	
<b>Safeguard Performance Rating - Rationale</b>	L'équipe environnementale et sociale de l'Agence d'Exécution (AE) est déjà formée. Une évaluation Environnementale stratégique et un cadre de Gestion Environnementale et Sociale ont été préparés, un PGES spécifique pour la composante 2 sera préparé en janvier 2021 pour être mise en œuvre une fois que les travaux commencent (en février 2021). Les PGES pour la construction et l'opération des projets sous les autres composantes 1 et 2 vont être préparés avant le début de la construction.		

## Financial Data

Item	Total Cost and Source					Available Funds (US\$)			
	Original IDB	Current IDB	Local Counterpart	Co-Financing / Country	Total Original Cost	Current IDB	Disb. Amount to Date	% Disb	Undisbursed Amount
HA-G1045	0	6,500,000	0	0	6,500,000	6,500,000	325,000	5.00%	6,175,000
HA-L1140	0	31,500,000	0	6,500,000	38,000,000	31,500,000	500,000	1.59%	31,000,000
Aggregated	0	38,000,000	0	6,500,000	44,500,000	38,000,000	825,000	2.17%	37,175,000

## 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.

## PMR Public Report

### RESULTS MATRIX

#### General Development Objectives

**General Development Objectives Nbr. 1:** To increase reliable electricity access in Haiti that promotes economic development

**Observation:**

	Indicator	Unit of Measure	Baseline	Baseline Year	Expected Year of Achievement		Target
1.0	Cumulative reduction of greenhouse gas emissions related to electricity production at the PIC	tCO2e/ year	0.00	2019	2024	P	37,412.00
						A	

#### Details

**Means of verification:** Report of total energy sales from PIC Solar Operator (replacing fuel-based generation), divided by 16kWh/Gal, multiplied by 11.6 kgCO2/Gal of HFO x10-3 x10-3

**Pro-Gender** No **Pro-Ethnicity** No

The General Development  
bjective indicator target is  
expected to be observed by  
the operation's "Fully  
Justified" date  
inConvergence (CO)

	Indicator	Unit of Measure	Baseline	Baseline Year	Expected Year of Achievement		Target
1.2	Increase in electricity coverage among the target population	%	0.00	2019	2025	P	1.00
						A	

#### Details

**Means of verification:** Based on total household beneficiaries (m, f) of 60,889 on a total of 5.8 million people.

**Pro-Gender** No **Pro-Ethnicity** No

The General Development  
bjective indicator target is  
expected to be observed by  
the operation's "Fully  
Justified" date  
inConvergence (CO)

## PMR Public Report

### RESULTS MATRIX

#### Specific Development Objectives

**Specific Development Objectives Nbr. 0:** Comp#1 - Outcome#1 - Affordable tariff level for residential customers outside EDH grid

**Observation:**

Indicator		Unit of Measure	Baseline	Baseline Year		2020	2021	2022	2023	2024	EOP 2024
0.0	Average electricity tariff for residential customers charged by concessionaires	US\$/kW h	0.54	2019	P	0.54	0.48	0.48	0.48	0.48	0.48
					A	0.54					
Details											
Means of verification: Annual report -National Regulatory Agency (ANARSE) and Average tariff offered by the concessionaires											
Pro-Gender		No			Pro-Ethnicity			No			

**Specific Development Objectives Nbr. 2:** Comp#1 - Outcome#2 - Increased capacity by households to meet latent energy demand

**Observation:**

Indicator		Unit of Measure	Baseline	Baseline Year		2020	2021	2022	2023	2024	EOP 2024
2.0	Annual average electricity consumption, per household connected to a minigrid system	kWh/hh-yr	0.00	2019	P	0.00	360.00	360.00	360.00	360.00	360.00
					A	0.00					
Details											
Means of verification: Total energy delivered yearly, divided by number of connected households and Annual progress report-MTPTC											
Pro-Gender		No			Pro-Ethnicity			No			

**Specific Development Objectives Nbr. 3:** Comp#2 - Outcome#3 - Sustained electricity production from solar energy consumed at PIC

**Observation:**

Indicator		Unit of Measure	Baseline	Baseline Year		2020	2021	2022	2023	2024	EOP 2024
3.0	Annual electricity consumption at PIC derived from PV system.	GWh/yr	0.00	2019	P	0.00	0.00	7.94	7.86	7.78	7.78
					A	0.00					
Details											
Means of verification: (i) Solar-based energy sold by Solar Operator to all PIC’s Tenants. (ii) Fuel-Based energy sold by Northeast concessionaire to Solar Operator. (iii) Annual bill from Solar Operator to all PIC’s tenants, divided by their total energy consumption. Annual Progress Report- MEF/UTE											
Pro-Gender		No			Pro-Ethnicity			No			

Indicator		Unit of Measure	Baseline	Baseline Year		2020	2021	2022	2023	2024	EOP 2024
3.3	Electricity tariff for PIC customers	US\$/kWh	0.30	2019	P	0.33	0.33	0.16	0.16	0.16	0.17
					A	0.31					
Details											

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### RESULTS MATRIX

#### Specific Development Objectives

**Means of verification:** (i) Solar-based energy sold by Solar Operator to all PIC's Tenants. (ii) Fuel-Based energy sold by Northeast concessionaire to Solar Operator. (iii) Annual bill from Solar Operator to all PIC's tenants, divided by their total energy consumption. Annual Progress Report- MEF/UTE

**Pro-Gender** No **Pro-Ethnicity** No

**Specific Development Objectives Nbr. 4:** Comp#2 - Outcome#4 - Newly connected end-users to the Caracol minigrid

**Observation:**

Indicator		Unit of Measure	Baseline	Baseline Year		2020	2021	2022	2023	2024	EOP 2024
4.0	Cumulative number of newly served industrial buildings at the PIC expanding productive uses of electricity in the NE	Building	26.00	2019	P	26.00	26.00	26.00	26.00	28.00	28.00
					A	26.00					

#### Details

**Means of verification:** Annual Progress Report- MEF/UTE

**Pro-Gender** No **Pro-Ethnicity** No

Indicator		Unit of Measure	Baseline	Baseline Year		2020	2021	2022	2023	2024	EOP 2024
4.1	Woman employed at the PIC	# of women	8,229.00	2020	P	8,229.00	8,229.00	8,229.00	8,229.00	8,229.00	11,759.00
					A						

#### Details

**Means of verification:** Annual Progress Report- MEF/UTE Gender Tracking

**Pro-Gender** No **Pro-Ethnicity** No

**Specific Development Objectives Nbr. 5:** Comp#3 - Outcome#5 - Concession contracts for minigrid systems granted by ANARSE

**Observation:**

Indicator		Unit of Measure	Baseline	Baseline Year		2020	2021	2022	2023	2024	EOP 2024
5.0	Concession contracts for minigrid systems granted by ANARSE	contract	0.00	2019	P	0.00	0.00	1.00	2.00	2.00	6.00
					A	0.00					

#### Details

**Means of verification:** ANARSE's Annual report

**Pro-Gender** No **Pro-Ethnicity** No

## RESULTS MATRIX

## OUTPUTS: ANNUAL PHYSICAL AND FINANCIAL PROGRESS

## Component Nbr. 1 Comp#1 - Development of Decentralized Electrical Minigrids with Private Sector Participation

	Output	Unit of Measure		PHYSICAL PROGRESS		FINANCIAL PROGRESS	
				2020	EOP 2024	2020	EOP 2024
1.1	New costumers connected to a minigrid systems and receiving electricity	#customers	P	0	25,000	0	14,545,000
			P(a)	0	25,000	0	12,545,000
			A	0	0	0	0

## Component Nbr. 2 Comp#2 - Fostering the Sustainable Operation of the PIC

	Output	Unit of Measure		PHYSICAL PROGRESS		FINANCIAL PROGRESS	
				2020	EOP 2024	2020	EOP 2024
2.1	Total PV Installed capacity commissioned in the PIC	MWp	P	0	12	1,500	19,273,000
			P(a)	0	12	1,500	22,675,000
			A	0	0	0	0

## Component Nbr. 3 Comp#3 - Strengthening Sector Regulatory and Planning Capabilities

	Output	Unit of Measure		PHYSICAL PROGRESS		FINANCIAL PROGRESS	
				2020	EOP 2024	2020	EOP 2024
3.1	Operational manual development for ANARSE considering: (i) internal structure; (ii) internal procedures	Manuals	P	0	2	0	68,500
			P(a)	0	2	0	185,000
			A	0	0	0	0
3.2	Development of procedures and regulations for: (i) the award and renewal of licenses and concessions; (ii) handling of unsolicited proposals; and (iii) inclusion of people with disabilities and gender equality in the sector	Manual	P	0	3	4,000	340,900
			P(a)	0	3	4,000	341,400
			A	0	0	8,400	8,400
3.3	Electricity, energy markets, and RE energy specialists hired	Specialists	P	0	5	0	179,800
			P(a)	0	5	0	179,800
			A	0	0	0	0
3.4	Strengthening of technical capacities in: (i) financial models, (ii) design of photovoltaic (PV) and wind power systems, and (iii) Power Systems Planning.	trainings	P	0	3	0	180,300
			P(a)	0	3	0	180,300
			A	0	0	0	0
3.5	Development of the Electricity Expansion Plan (2020-2030)	Plan	P	0	1	0	73,500
			P(a)	0	1	0	73,500
			A	0	0	0	0

## Other Cost

	Project Management	P			500,906.53	1,714,500
		P(a)			500,906.53	1,495,000
		A			177,747	177,747

## Total Cost

	Total Cost	P			506,406.53	37,675,500
		P(a)			506,406.53	37,675,000
		A			186,147	186,147

## CHANGES TO THE MATRIX

Section	Name	Type of Change	Subtype	Modified By	Entered in the System
Output	Development of procedures and regulations for: (i) the award and renewal of licenses and concessions; (ii) handling of unsolicited proposals; and (iii) inclusion of people with disabilities and gender equality in the sector	Modify Output	Modify Financial EOP P(a) value - caused by a change in the Financial P(a).	WILKFERGV	03/29/2021
	New costumers connected to a minigrid systems and receiving electricity	Modify Output	Modify Financial EOP P(a) value - caused by a change in the Financial P(a).	WILKFERGV	04/26/2021
		Modify contribution to CRF Indicator	Flag contribution to CRF indicator	WILKFERGV	03/22/2021
	Operational manual development for ANARSE considering: (i) internal structure; (ii) internal procedures	Modify Output	Modify Financial EOP P(a) value - caused by a change in the Financial P(a).	WILKFERGV	03/27/2021
	Strengthening of institutions technical capacities for the operation of renewable energy projects.	Modify Output	Inactivate Output	WILKFERGV	03/28/2021
	Total PV Installed capacity commissioned in the PIC	Modify Output	Modify Financial EOP P(a) value - caused by a change in the Financial P(a).	WILKFERGV	04/26/2021
		Modify contribution to CRF Indicator	Flag contribution to CRF indicator	WILKFERGV	03/22/2021
Specific Development Objective	Woman employed at the PIC	Modify contribution to CRF Indicator	Flag contribution to CRF indicator	WILKFERGV	03/22/2021

# PMR Public Report

## IMPLEMENTATION STATUS AND LEARNING

Lesson Learned - Categories
Acquisitions and Procurement - Bidding Stage
Intra/Inter Coordination
Others - Technical-Sectorial Dimensions
Project Design