



## Haiti: Renewable Energy for All (P156719)

LATIN AMERICA AND CARIBBEAN | Haiti | Energy & Extractives Global Practice |  
 Recipient Executed Activities | Investment Project Financing | FY 2018 | Seq No: 6 | ARCHIVED on 04-Aug-2020 | ISR42099 |

Implementing Agencies: MTPTC Energy Cell, Ministry of Public Works, Transportation and Communication

**Key Dates****Key Project Dates**

Bank Approval Date: 25-Oct-2017

Effectiveness Date: 23-Jul-2018

Planned Mid Term Review Date: 17-May-2021

Actual Mid-Term Review Date:

Original Closing Date: 31-Dec-2024

Revised Closing Date: 31-Dec-2024

**Project Development Objectives**

Project Development Objective (from Project Appraisal Document)

The Project Development Objective is to scale-up renewable energy investments in Haiti in order to expand and improve access to electricity for households, businesses and community services.

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

No

**Components Table**

Name

Grid-connected distributed renewable energy:(Cost \$11.00 M)

Off-grid distributed renewable energy:(Cost \$8.62 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 Unsatisfactory	<input type="checkbox"/> Moderately Satisfactory
Overall Risk Rating	<input type="checkbox"/> High	<input type="checkbox"/> Substantial

**Implementation Status and Key Decisions**

**Despite the challenges faced by the project since its beginning and the very fragile and unpredictable situations in Haiti for many consecutive months, and the current COVID-19 crisis, significant positive progress was made.** Both FY19 and FY20 were difficult years given the lack of political stability and widespread social unrest - which resulted in several months of security issues and disruptions in every-day activities, including school closures, inability of staff to get to the offices, inability to carry out field trips (even for the PIU staff) and limited possibilities for carrying out missions. This situation is now further aggravated by the COVID-19 crisis, which is resulting in an even more wide-spread lock-down and other disruptions. As a result, the project has so far disbursed only 2.5 percent of its total amount. Despite these challenges, the Project has registered important progress in building better policy and regulatory environment for distributed renewable energy thanks to the TA support from the Project. Considerable progress has also been achieved in accelerating renewable energy mini grid (municipal grid) development in Haiti. This is now being reflected in increasing financial commitments from development partners and the private sector, all reflected in progress on PDO indicators:



The “Enabling policy and regulatory framework for clean energy and access” indicator has registered substantial progress. The indicator is tracked through the World Bank’s Regulatory Indicators for Sustainable Energy (RISE) index, which is a composite index measuring policy and regulatory environment for renewable energy, energy efficiency and energy access (<https://rise.esmap.org/>). Haiti’s index rose from 11 at appraisal to 22 today (with the Project’s end target set at 35.) These improvements have been driven by the Project support for setting up a comprehensive mini grid concession framework, an RBF mechanism, and the introduction of fiscal incentives for off-grid solar products. The improvements in the enabling framework are now being reflected in the promising mobilization of commercial financing. US\$0.5 million private sector investments have already been mobilized, and additional funding is being mobilized for the first seven concessions, resulting from the first Request for Proposals. The actual electricity access outcome indicators have not yet registered progress, as these can be realized only after the public and private investments are implemented. Over 40,000 people, however, are expected to be electrified by the SREP Project through the first mini grid Request for Proposals process (RfP 1), which has already been completed, and additional connections are forthcoming under the mini grid scale-up program enabled through restructuring and the results-based financing for off-grid solar systems that is to be launched in September.

**Considering these positive developments, the Progress Towards Achievement of the Project Development Objective is rated as Moderately Satisfactory (MS)**, reflecting Project’s ability to reach its objective, despite delays. Project implementation progress (IP) , has also been upgraded from MU to MS. The IP was rated MU in the last ISR because of slow progress of Component 1, in particular delays in contracting technical advisers and selecting pilot sites. These issues have now been resolved. In addition, the restructuring, which is already in process, is reallocating US\$5 million from Component 1 to the more dynamic Component 2 to finance the scale-up of the mini grid program. Component 1 resources are also being used for supporting GoH in COVID-19 response, financing a rapid installation of solar PV+battery storage systems on priority hospitals, testing laboratories and water systems. Implementation is already underway.

**A virtual mission was held since the last ISR the week of July 8.**

## Risks

### Systematic Operations Risk-rating Tool

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

## Results

### PDO Indicators by Objectives / Outcomes

Scale-up renewable energy investments in Haiti in order to expand and improve access to electricity



▶ People provided with new or improved electricity service (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	410,000.00
Date	02-Oct-2017	13-May-2020	03-Aug-2020	31-Dec-2024
▶ Women provided with new or improved electricity service (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	205,000.00
Date	02-Oct-2017	13-May-2020	03-Aug-2020	31-Dec-2024
▶ Enterprises and community services with new or improved electricity service (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	4,500.00
Date	02-Oct-2017	13-May-2020	03-Aug-2020	31-Dec-2024
▶ Enabling policy and regulatory framework for clean energy and access enacted (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	11.00	22.07	22.07	35.00
Date	02-Oct-2017	13-May-2020	03-Aug-2020	31-Dec-2024
▶ Private investment and other commercial financing leveraged (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.46	0.46	64.00
Date	02-Oct-2017	13-May-2020	03-Aug-2020	31-Dec-2024

### Intermediate Results Indicators by Components

Grid-connected distributed renewable energy				
▶ Generation capacity of energy constructed or rehabilitated (Component 1) (MWp) (MWh/year, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	5.00



Date	02-Oct-2017	13-May-2020	03-Aug-2020	31-Dec-2024
<b>▶ Annual electricity output from RE, as a result of SREP interventions (Component 1) (Gigawatt-hour (GWh), Custom)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	8.00
Date	02-Oct-2017	13-May-2020	03-Aug-2020	31-Dec-2024
<b>▶ Annual greenhouse gas emission reductions (Component 1) (Tones/year, Custom)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	10,300.00
Date	02-Oct-2017	13-May-2020	03-Aug-2020	31-Dec-2024
<b>▶ Number of people benefitting from improved access to electricity and fuels, as a result of SREP interventions (Component 1) (Number, Custom)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	100,000.00
Date	02-Oct-2017	13-May-2020	03-Aug-2020	31-Dec-2024
<b>▶ Number of women benefitting from improved access to electricity and fuels, as a result of SREP interventions (Component 1) (Number, Custom)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	50,000.00
Date	02-Oct-2017	13-May-2020	03-Aug-2020	31-Dec-2024
<b>▶ Number of businesses and community services benefitting from improved access to electricity and fuels, as a result of SREP interventions (Component 1). (Number, Custom)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	1,000.00
Date	02-Oct-2017	13-May-2020	03-Aug-2020	31-Dec-2024
<b>▶ Increased public and private investments in targeted subsectors as a result of SREP interventions (Component 1) (Amount(USD), Custom)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	15.00
Date	02-Oct-2017	13-May-2020	03-Aug-2020	31-Dec-2024



Off-grid distributed renewable energy				
<b>► Generation capacity of energy constructed or rehabilitated (Component 2) (MWp) (MWh/year, Custom)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	8.00
Date	02-Oct-2017	13-May-2020	03-Aug-2020	31-Dec-2024
<b>► Annual electricity output from RE, as a result of SREP interventions (Component 2) (Gigawatt-hour (GWh), Custom)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	12.00
Date	02-Oct-2017	13-May-2020	03-Aug-2020	31-Dec-2024
<b>► Annual greenhouse gas emission reductions (Component 2) (Tones/year, Custom)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	31,930.00
Date	02-Oct-2017	13-May-2020	03-Aug-2020	31-Dec-2024
<b>► Number of people, benefitting from improved access to electricity and fuels, as a result of SREP interventions (Component 2) (Number, Custom)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	310,000.00
Date	02-Oct-2017	13-May-2020	03-Aug-2020	31-Dec-2024
<b>► Number of women with improved access to electricity and fuels, as a result of SREP interventions (Component 2) (Number, Custom)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	155,000.00
Date	02-Oct-2017	13-May-2020	03-Aug-2020	31-Dec-2024
<b>► Number of businesses and community services benefitting from improved access to electricity and fuels, as a result of SREP interventions (Component 2) (Number, Custom)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	3,510.00
Date	02-Oct-2017	13-May-2020	03-Aug-2020	31-Dec-2024



► Increased public and private investments in targeted subsectors as a result of SREP interventions (Component 2) (Amount(USD), Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.46	0.46	94.00
Date	02-Oct-2017	13-May-2020	03-Aug-2020	31-Dec-2024
► Enabling framework for mini-grids, including Service Agreements in place (Component 2) (Yes/No, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No	Yes	Yes	Yes
Date	02-Oct-2017	13-May-2020	03-Aug-2020	31-Dec-2024
► Number of people trained in renewable energy (Component 2) (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	16.00	16.00	3,000.00
Date	02-Oct-2017	13-May-2020	03-Aug-2020	31-Dec-2024
► Number of female jobs and female-headed (micro-) enterprises created (Component 2) (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	1,000.00
Date	02-Oct-2017	13-May-2020	03-Aug-2020	31-Dec-2024

### Performance-Based Conditions

#### Data on Financial Performance

##### Disbursements (by loan)

Project	Loan/Credit/TF	Status	Currency	Original	Revised	Cancelled	Disbursed	Undisbursed	% Disbursed
P156719	TF-A5190	Effective	USD	8.62	8.62	0.00	0.30	8.33	3%
P156719	TF-A5191	Effective	USD	11.00	11.00	0.00	0.20	10.80	2%

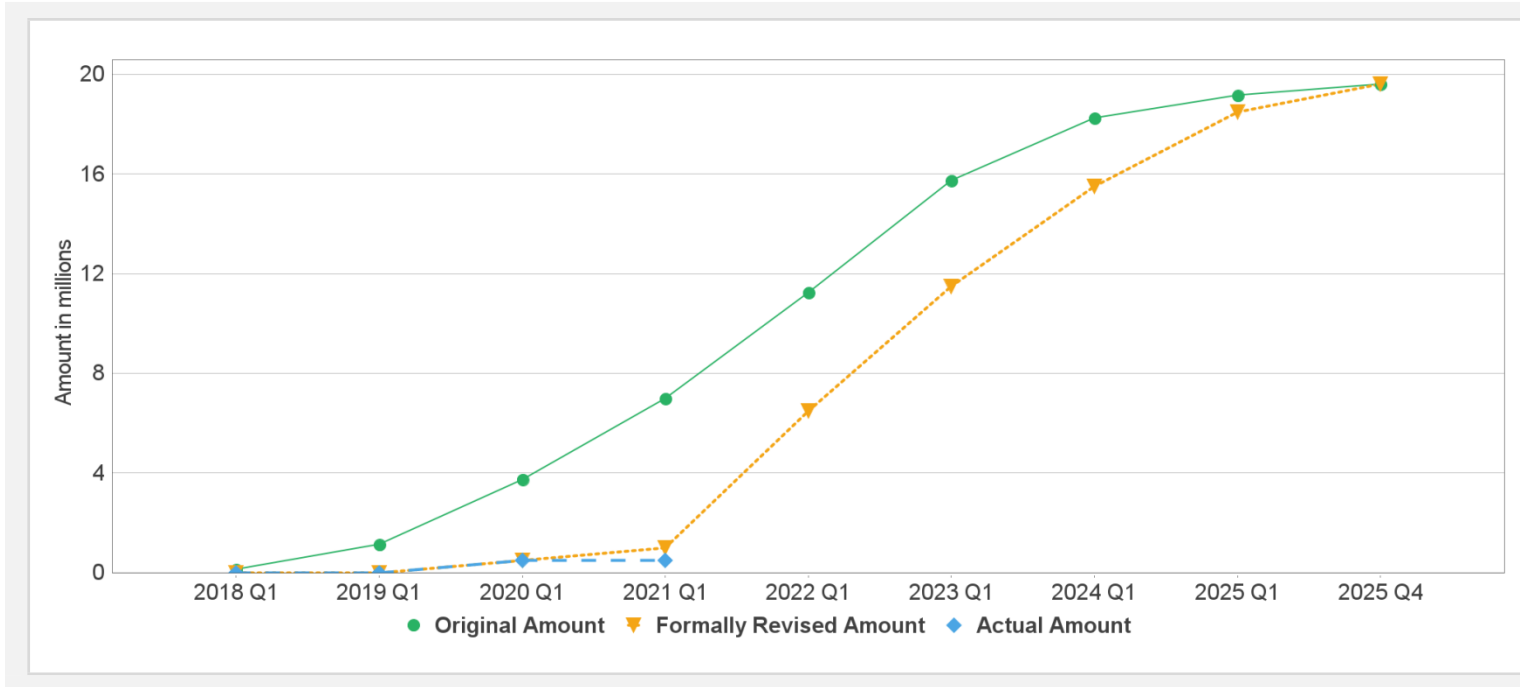
##### Key Dates (by loan)

Project	Loan/Credit/TF	Status	Approval Date	Signing Date	Effectiveness Date	Orig. Closing Date	Rev. Closing Date
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P156719	TF-A5190	Effective	25-Oct-2017	15-Nov-2017	23-Jul-2018	31-Dec-2024	31-Dec-2024
P156719	TF-A5191	Effective	25-Oct-2017	15-Nov-2017	23-Jul-2018	31-Dec-2024	31-Dec-2024

**Cumulative Disbursements**



**PBC Disbursement**

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

There has been no restructuring to date.

**Related Project(s)**

P174736-AF HT Renewable Energy for All