



## MG ethanol clean cooking climate finance program (P154440)

EASTERN AND SOUTHERN AFRICA | Madagascar | Environment, Natural Resources & the Blue Economy Global Practice | Recipient Executed Activities | Investment Project Financing | FY 2016 | Seq No: 6 | ARCHIVED on 27-Jun-2022 | ISR52224 |

Implementing Agencies: Government of Madagascar, Green Development A.S.

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

Bank Approval Date: 06-May-2016

Effectiveness Date: 06-May-2016

Planned Mid Term Review Date: 26-Sep-2019

Actual Mid-Term Review Date: 26-Sep-2019

Original Closing Date: 30-Jun-2025

Revised Closing Date: 31-Oct-2025

**Project Development Objectives**

Project Development Objective (from Project Appraisal Document)

The objective of the Madagascar Ethanol Clean Cooking Climate Finance Program is to increase household use of ethanol, demonstrate good practice of distillery design and operations, and establish an ethanol production safeguard system for future scale-up in Madagascar.

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)

Increase household use of ethanol cooking stoves for reduced GHG emissions in Madagascar

**Components Table**

Name

Results-based Climate Finance Payment:(Cost \$10.45 M)  
TA to the GoM and GD:(Cost \$0.25 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"/> Moderate	<input type="checkbox"/> Moderate

**Implementation Status and Key Decisions**

Despite the challenges, the project is ahead of its emission reduction target. Indeed, the review of the progress of the implementation of the project has been able to highlight that the project is on the right track to achieve its objectives on the reduction of GHG emissions. The fifth monitoring and verification covering the period from May 16, 2020, to December 31, 2020, trigger the issuance of 78,625 Certified Emission Reduction Units (CERs). This fifth verification led to a cumulative emission reduction of 255,219 CERs against 180,000 CERs planned.

The project has distributed and properly registered a total of 13,153 stoves as of December 03, 2021, representing 37.5% of the end project objective. Over the course of the last 6 months, about 455 new stoves have been registered.



## Risks

### Systematic Operations Risk-rating Tool

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

## Results

### PDO Indicators by Objectives / Outcomes

Increase the use of ethanol by households				
▶ Daily household ethanol consumption of participating households (annual average) (Liter, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.27	0.27	0.60
Date	01-Jun-2017	14-Dec-2021	24-Jun-2022	30-Jun-2025
▶ Direct project beneficiaries (number), of which female (%) (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	500.00	12,698.00	13,153.00	35,000.00
Date	01-Jun-2017	14-Dec-2021	24-Jun-2022	31-Oct-2025



Comments:

This is based on the number of ethanol stoves that have been registered under the project and monitored for the CERs issuance. The actual number of stoves sold is higher than this number. But those which were not registered correctly are not monitored.

### Intermediate Results Indicators by Components

#### Results-based Carbon finance payment

##### ► Ethanol stoves distributed and remaining operational (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	500.00	12,698.00	13,153.00	35,000.00
Date	01-Jun-2017	14-Dec-2021	24-Jun-2022	31-Oct-2025
Comments:	This is based on the CDM monitoring report. The stoves that are not correctly registered with the project are not monitored.			

#### Carbon finance payment for program administration and TA

##### ► Environmental, social, and ethanol control safeguard system training provided (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	4.00	4.00	9.00
Date	01-Jun-2017	14-Dec-2021	24-Jun-2022	31-Oct-2025

##### ► Environmental, social, and ethanol control safeguard system spot-check on the value-chain carried out (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	3.00	3.00	9.00
Date	01-Jun-2017	14-Dec-2021	24-Jun-2022	31-Oct-2025

##### ► Local partner's satisfaction with GD's performance (Percentage, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	75.00
Date	31-May-2017	14-Dec-2021	24-Jun-2022	31-Oct-2025

#### Technical Assistance



► Number of actions undertaken to build capacity in Government of Madagascar to improve the enabling environment and governance of ethanol sector (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	3.00
Date	31-May-2017	14-Dec-2021	24-Jun-2022	31-Oct-2025

**Performance-Based Conditions**

**Data on Financial Performance**

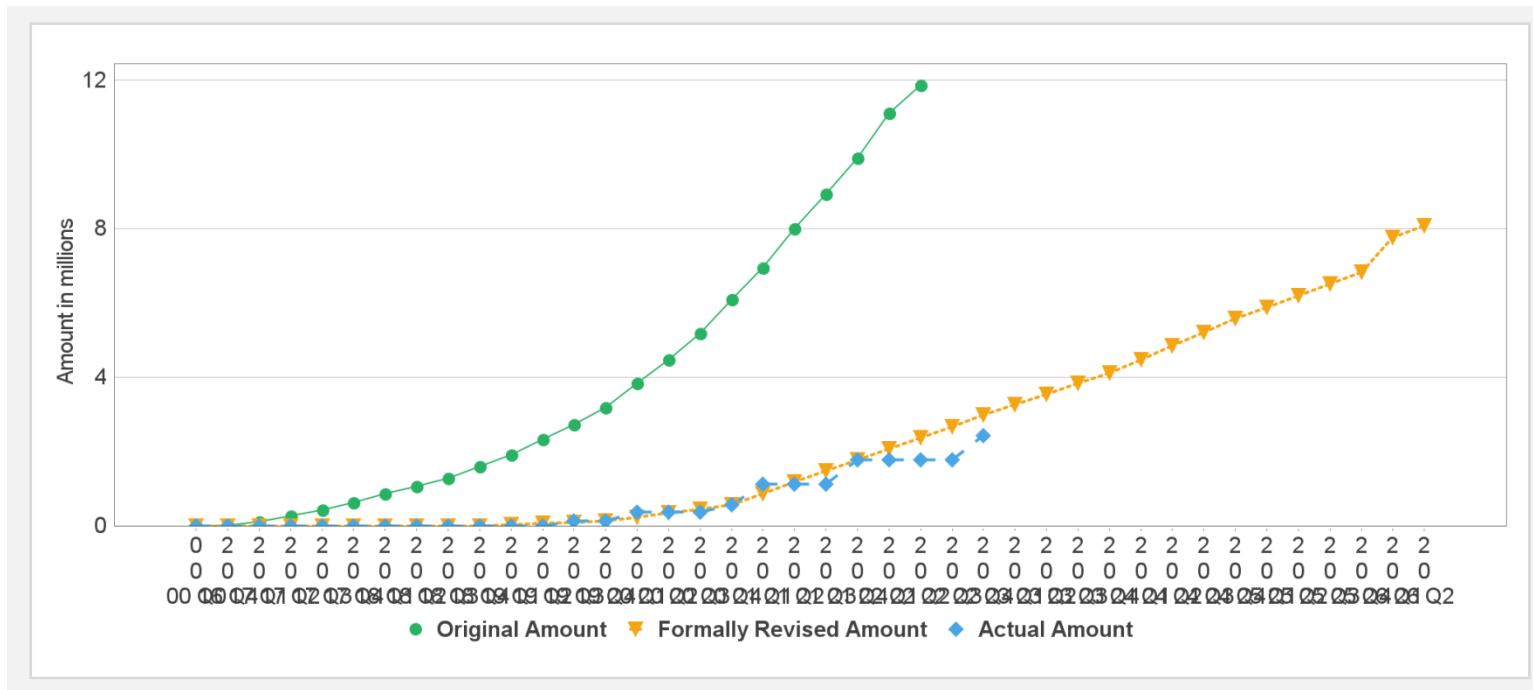
**Disbursements (by loan)**

Project	Loan/Credit/TF	Status	Currency	Original	Revised	Cancelled	Disbursed	Undisbursed	% Disbursed
P154440	TF-A2574	Effective	USD	10.45	10.45	0.00	2.42	8.03	23%

**Key Dates (by loan)**

Project	Loan/Credit/TF	Status	Approval Date	Signing Date	Effectiveness Date	Orig. Closing Date	Rev. Closing Date
P154440	TF-A2574	Effective	06-May-2016	06-May-2016	06-May-2016	30-Jun-2025	31-Oct-2025

**Cumulative Disbursements**





### Restructuring History

Level 2 Approved on 10-Jun-2021

### Related Project(s)

There are no related projects.

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