



## Municipal Solid Waste Carbon Financing Program (P121917)

MIDDLE EAST AND NORTH AFRICA | Morocco | Social, Urban, Rural and Resilience Global Practice Global Practice | Carbon Offset | Investment Project Financing | FY 2014 | Seq No: 1 | ARCHIVED on 05-Jan-2018 | ISR22274 |

Implementing Agencies: Oum Azza Landfill Municipalities - FEC, Fonds d'Equipement Communal

### Project Development Objectives

Project Development Objective (from Project Appraisal Document)

The Morocco MSW-CF program was developed in parallel with the Moroccan Municipal Solid Waste DPLs (DPL 1 and 2). The main development objective is to help the Moroccan municipalities in accessing to carbon market while contributing to the climate mitigation agenda.

Through this program, the Bank managed Carbon Partnership Facility had originally planned to purchase a total amount of about 4.5 million of tCO<sub>2</sub>equivalent over nine years (2012-2020), through the registration of up to 16 landfills LFG projects to the program.

Given significant delays on the side of the Project Entity to secure the inclusion of additional landfills into the program, the initial objectives were revised and reflected into an ERPA amendment signed on March 2017, to reflect the reduction of the program to the sole registration of the Oum Azza Landfill LFG project and reduce the volume expected to be purchased by the Bank, as Trustee of the Carbon Fund of the Carbon Partnership Facility, to 272,000 tCO<sub>2</sub>equivalent over the duration of the program (2012-2020).

Has the Project Development Objective been changed since Board Approval of the Project Objective?  
No

### Key Dates

#### Key Project Dates

Bank Approval Date:01-Aug-2013

Effectiveness Date:01-Aug-2013

Planned Mid Term Review Date:--

Actual Mid-Term Review Date:--

Original Closing Date:31-Dec-2021

Revised Closing Date:31-Dec-2021

### Overall Ratings

Name	Previous Rating	Current Rating
Progress towards achievement of PDO	--	● Moderately Satisfactory
Overall Implementation Progress (IP)	--	● Moderately Satisfactory
Overall Risk Rating	--	● Moderate

### Implementation Status and Key Decisions

The Oum Azza Landfill LFG project was registered under the Clean Development Mechanism (CDM) on December 2013. The LFG capture and flaring system is operational and generates emission reductions since August 2015. On May 26, 2017, the program had its first issuance of Certified Emission Reductions for the period from August 2015 to July 2016, for a total of 11,169 CERs, corresponding to the first monitoring period



of the project.

Information regarding the first verification, including the Monitoring and verification reports are publicly available on the following CDM website:  
[https://cdm.unfccc.int/PoAIssuance/iss\\_db/poaiss42452156/view](https://cdm.unfccc.int/PoAIssuance/iss_db/poaiss42452156/view)

The project is delivering less than 10% of the ERs originally expected in the registered Project Design Document. The main reasons for under delivery are the presence of leachate and lack of sufficient investments to improve the capacity of the system to capture and destroy the biogas generated in the landfill.

However, while the project's performance regarding the generation of CERs remains limited in relation to the original objectives, the project nevertheless has the potential to considerably improve these results, by implementing as soon as possible the investments identified by the landfill operator to address the leachate problem.

## Risks

### Systematic Operations Risk-rating Tool

Risk Category	Rating at Approval	Previous Rating	Current Rating
Political and Governance	--	--	● Moderate
Macroeconomic	--	--	● Moderate
Sector Strategies and Policies	--	--	● Moderate
Technical Design of Project or Program	--	--	● Moderate
Institutional Capacity for Implementation and Sustainability	--	--	● Moderate
Fiduciary	--	--	● Moderate
Environment and Social	--	--	● Moderate
Stakeholders	--	--	● Low
Other	--	--	--
Overall	--	--	● Moderate

### Related Project(s)

There are no related projects.