

VCS PROJECT REVIEW REPORT

Project ID	PL1883
Project Name	Pichacay Landfill Gas Renewable Energy Project
Project Proponent	EMAC-BGP ENERGY COMPAÑÍA DE ECONOMÍA MIXTA CEM
Methodology	AMS-III.G Landfill Methane Recovery v10 ASM-I.D Grid connected energy v18
Sectoral Scope(s)	1. Energy (renewable/non-renewable) 13. Waste handling and disposal
Validation/Verification Body (VVB)	EPIC Sustainability Services Private Ltd
Registry	APX

Assessment Criteria	VCS Standard, v3.7
Date of First Issue	22 AUG 2019
Date of Final Issue	27 AUG 2019

Summary:

An accuracy review of the Pichacay Landfill Gas Renewable Energy Project registration and issuance request has been conducted by Verra in accordance with Section 4.3 of the *VCS Registration and Issuance Process* document.

The accuracy review has raised two assessment findings and no minor findings, detailed below. The VVB, in coordination with the project proponent, is hereby required to provide a response to the assessment findings presented in Section 1. The two assessment findings must be addressed to the satisfaction of Verra. The VVB need not address the minor findings during this review. Please note, however, that where Verra finds consistent minor findings by the VVB in future reviews, minor findings shall be escalated to assessment findings.

This findings report may be made publically available. Confidential information may be provided as separate attachments.

1 ASSESSMENT FINDINGS

Finding 1

Section 3.7.1 of the *VCS Standard, v3.7* states the project start date is the date on which the project began generating GHG emission reductions or removals.

Section 1.5 of the joint project description on monitoring report state that the start date of the project is 27 July 2017 as this is the official date of energy into commercial operation of the plant.

Section 3.1 of the joint validation and verification report states that the project start date is 27 July 2019 as this was the day the project started generating emissions.

The project proponent and the VVB are requested to clarify why the start date of the project is different in the validation and verification report, and the project description and monitoring report.

VVB Response:

27^h August 2019:

The date mentioned in the Joint PD/MR is correct. The joint validation and verification report is hence corrected. Now it reflects 27th July 2017 as start date.

Verra Response:

After review of the documentation, Section 3.1 of the joint validation and verification report has been update in accordance with Section 3.7.1 of the *VCS Standard v3.7*. This finding is now closed.

Finding 2

Section 5.3.6 of the *VCS Standard, v3.7* requires the VVB to use the Verification Report Template and follow all relevant instructional text.

Section 3.3.6 of the *Joint Validation & Verification Report Template* requires information on the quantification of GHG emissions reductions and removals include an assessment of the relevant equations, summary of net GHG emission, any documentation and informational discrepancies and an assessment of the data assumptions and values. Section 3.3.6 also requires an overall concluding statement regarding the applicability of the methodology in quantification.

Section 3.3.8 of the *Joint Validation & Verification Report Template* requires an evaluation of the monitored parameters and an overall conclusion regarding the adherence of the monitoring plan to the requirements of the applied methodology and any referenced tools.

Section 5.1 of the *Joint Validation & Verification Report Template* requires an evaluation of the data and parameters used to calculate the GHG emission reductions and removals, the accuracy of the calculations. Additionally, Section 5.1 is required to provide an overall conclusion regarding whether the GHG emission reductions and removals have been quantified correctly in accordance with the

monitoring plan and applied methodology for this verification period.

Section 5.2 of the *Joint Validation & Verification Report Template* requires an identification and evaluation of the evidence used to determine the emissions reductions and removals for this period, the steps taken to assess quantify, quality and reliability of the evidence. Additionally, the Section requires an overall conclusion of the sufficiency of quantity, quality and evidence used to determine the emissions reductions and removals for the verification period.

Section 3.3.6 of the joint validation and verification report does not provide an overall conclusion of the applicability of methodology in quantification.

Section 3.3.8 of the joint validation and verification report does not have the required information, which can instead be found in Section 3.3.6, and does not provide an overall conclusion of the monitoring plan. It is also unclear in the table in Section 3.3.6 where the information relating to the monitoring plan exists.

Section 5.1 of the joint validation and verification report does not provide an overall conclusion of the quantification of GHG emissions reductions and removals for the verification period.

Section 5.2 of the joint validation and verification report does not have the required information present. The information is present in Section 5.1, which is unclear, as it is not provided separately. Additionally, there is no concluding statement regarding the conclusion of quantity, quality and evidence used to determine the emissions reductions and removals for the verification period.

The VVB is requested to update the joint validation and verification report to distinguish the information in Sections 3.3.6, 3.3.8 and 5.1, 5.2. The VVB is also requested to update Sections 3.3.6, 3.3.8, 5.1, and 5.2 to include the required conclusions.

VVB Response:

27th August 2019:

Section 3.3.6 of the joint validation and verification report is modified to include an overall conclusion of the applicability of methodology in quantification.

Section 3.3.8 of the joint validation and verification report is modified to include an overall conclusion of the monitoring plan. There are four monitoring parameters as per the joint PD/MR. The validation opinion of the same is reported in the section 3.3.6. The track change mode of the joint validation and verification report is attached for clarity.

Section 5.1 of the joint validation and verification report is modified to include an overall conclusion of the quantification of GHG emissions reductions and removals for the verification period.

Section 5.2 of the joint validation and verification report is modified to include the concluding statement regarding the conclusion of quantity, quality and evidence used to determine the emissions reductions and removals for the verification period.

Dr. Vishnu's name as auditor is removed from the verification team as he is no longer part of the team

from 26th August 2019.

Verra Response:

After review of the documentation, the joint validation and verification report has been updated Sections 3.3.6, 3.3.8, 5.1 and 5.2 in accordance with Section 5.3.6 of the *VCS Standard, v3.7*, to include relevant information required by the template. This finding is closed.

2 MINOR FINDINGS

No minor findings were raised.

3 ASSESSMENT CONCLUSION

Verra issued the report on 22 of August 2019.

EPIC responded on 26 of August 2019.

Verra reviewed the responses and determined that sufficient justification was provided and the necessary changes were made. The review was closed on 27 August 2019.