

LANDFILL GAS PROJECT VERIFICATION REPORT

Verification under the Climate Action Reserve (CAR)

*Project CAR444: Erie County Landfill
Project*

Reporting Periods:
09 June 2024 to 08 June 2025

Prepared for:
Renewable Energy Services of Ohio, LLC

5 January 2026



CLIMATE ACTION RESERVE

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Summary

This report presents the findings of the verification assessment of the Erie County Landfill Project (“the Project” or “Erie County”) developed by Renewable Energy Services of Ohio, LLC (“the Project Developer” or “RESO”). This assessment covers the Erie County Landfill Project’s greenhouse gas emission reductions reported to the Climate Action Reserve (the Reserve or CAR) for the reporting period of 09 June 2024 to 08 June 2025. The verification was undertaken to evaluate the Project Data Report (“PDR”) and assess whether the compiled data conforms to the verification criteria.

The evaluation was undertaken using the CAR U.S. Landfill Protocol, Version 6.0 (June 8, 2022) as well as the verification methodology developed by SCS for carbon offset projects submitted to the Reserve.

In the course of the verification assessment, the SCS verifiers developed findings which included Non-Conformity Reports (NCRs), New Information Requests (NIRs), and Observations (OBSs). All Non-Conformity Reports and New Information Requests have been adequately responded to, resulting in their closure.

On the basis of the information provided and the analyses completed, SCS was able to reach a decision on the emissions reduction reported by the Project Developer to the Reserve. SCS verified the adequacy of the information provided in the Project Data Report, confirming that this document meets the requirements of the Reserve standards. Further, SCS was able to reach a positive opinion on the claimed emission reductions and removals presented in the Project Data Report and on the Reserve website by the Project. Thus, SCS has verified 60,083 metric tonnes of CO₂e reductions and removals from the Erie County Landfill Project for the reporting period of 09 June 2024 to 08 June 2025.

Introduction

SCS Global Services (SCS) is a global leader in third-party certification, auditing, testing services, and standards. Established as an independent third-party certification firm in 1984, our goal is to recognize the highest levels of performance in environmental protection and social responsibility in the private and public sectors, and to stimulate continuous improvement in sustainable development. In 2012, Scientific Certification Systems, Inc. began doing business as SCS Global Services, communicating its global position with offices and representatives in over 20 countries. SCS is currently accredited to ISO 14065 for GHG Validation and Verification by the ANSI National Accreditation Board (ANAB) and offers carbon offset validation and verification under the Verified Carbon Standard (VCS), the American Carbon Registry (ACR), and the Climate Action Reserve (CAR).

SCS was commissioned by Anew Environmental LLC to undertake the annual project verification of the Erie County Landfill Project. This report covers the reporting period of 09 June 2024 to 08 June 2025 as a project deliverable into the Reserve.

Project Description

The Erie County landfill facility operates under a solid waste disposal permit from the Ohio Environmental Protection Agency, Core ID: 13359. The site includes a permitted disposal area of 60.63 acres on a parcel of 116 acres of property. The total permitted airspace for waste disposal is 5.23 million cubic yards and consists of eight contiguous landfill cells. The Erie County Landfill is not considered a bioreactor according to U.S. EPA. Landfill gas is routed to an offsite engine facility owned and operated by Renewable Energy Services of Ohio (RESO) which burns the landfill gas in two Caterpillar engines; a Caterpillar Model G3520 and a Caterpillar Model G3516. A backup open flare handles excess landfill gas when needed. The Project does not maintain calibrations on the flare meters, therefore they do not submit flows to the flare for verification.

It is noted that an electrical fire occurred which caused the engine facility to shut down, resulting in combustion by flare only during the previous reporting period. Thus, the current reporting period shows a decrease in emission reductions in comparison.

The account holder and project developer was: Renewable Energy Services of Ohio, LLC. The landfill was owned and operated by Erie County. Anew Environmental, LLC (Anew) managed the annual verification and provides support regarding project management and calculating emission reductions.

Verification Team

The SCS verification team consisted of the following individuals:

- Lead Verifier: Michelle Hirst
- Verifier: Masury Lynch

- Senior Internal Reviewer: Carolin Judd

Verification Details

Verification Objectives

The objectives of the verification were to:

- Evaluate conformance with the Landfill project as defined in the criteria stated below.
- Determine with a reasonable level of assurance whether the Project has resulted in the GHG emissions reductions and/or removals as stated in the project documents.
- Evaluate the project planning information and documentation including the determination of project eligibility, project design, baseline and project emissions determination, management systems supporting the project, and methodologies employed for the calculation of GHG emission reductions.

Verification Criteria

SCS conducted the verification assessment of the project and project documentation against the following criteria:

- CAR U.S. Landfill Protocol, Version 6.0 (June 8, 2022)
- CAR U.S. Landfill Protocol Version 6.0 Errata And Clarifications (April 13, 2023)
- Reserve Offset Program Manual Version 9.2 (April 2024)
- CAR Policy Memorandum- Use of Global Warming Potential Values For All Offset Protocols, (July 13, 2022)

As an ANAB-accredited verification body, SCS conducted the verification to the requirements of:

- CAR Verification Program Manual (February 3, 2021)
- ISO 14064-3: 2019, Greenhouse Gases – Part 3: Specification with guidance for the validation and verification of GHG assertions

Level of Assurance

SCS performed the core verification activities to a **reasonable level** of assurance as required by CAR.

Treatment of Materiality

In consideration of the required level of assurance, the needs of the intended user, and the requirements of the CAR Program, SCS applied a materiality threshold of **3 %** because the total emissions reductions for the 12-month period are greater than 25,000 tCO₂e but less than 100,000 tCO₂e. The data reviewed was considered to meet the principles of accuracy, completeness, transparency, and is free of material error or omission.

Verification Process

Verification Summary

The verification process consisted of the following:

1. Project listed with the Climate Action Reserve:

The Erie County Landfill Project is listed on the CAR website. The Project Developer selected SCS as their verification body.

2. Conflict of Interest Review.

A Notification of Verification Activities/Conflict of Interest (NOVA/COI) form was submitted to the Reserve. The COI assessment was conducted to identify any potential conflicts interests with the verification/project. No conflicts were identified and a determination of low potential for conflict of interest was received from the Reserve on 15 August 2025 prior to the commencement of verification activities. The NOVA/COI was subsequently re-submitted on 29 August 2025 to add Masury Lynch to the verification team. No additional conflicts were identified due to this alteration, and the revised NOVA/COI was approved by the Reserve.

3. Introductory Meeting:

A kick-off meeting was conducted between the verification team and Anew on 19 August 2025. The purpose of the kick-off meeting was to review the timeline of audit; confirm verification criteria; determine any changes in the site, sources, GHG management systems or personnel; and to begin gathering information.

4. Desk Review

SCS received and reviewed the PDR, CAR submittals, and supporting documentation to assess initial conformance with the data requirements of the CAR U.S. Landfill Protocol (US LP). A risk assessment was conducted to identify key factors that impact the reported emission reductions and removals. An audit plan was created to focus on the critical elements presenting potential risk for errors with the project.

5. Site Visit

A site visit must occur during the initial verification, and at least once every two reporting periods thereafter. SCS conducted a site visit to the Project location on 10 October 2024 for the verification of the previous reporting period. As a result, a site visit was not undertaken for this reporting period.

6. Quantitative Review

An assessment of the emission reduction calculation inputs and procedures was performed to review the quantitative analyses undertaken by the Project Developer to convert the raw inventory data into emission reduction estimates.

7. Findings

Throughout the verification, there was an iterative exchange between SCS and the Project Developer to gather additional information for review and examination. This exchange includes

the issuance of Findings —Non-Conformity Reports (NCR), New Information Requests (NIR), and Observations (OBS) — by SCS. The Project Developer must respond to NCRs and NIRs in order for SCS to render a verification opinion. At this time, all Findings have been appropriately addressed by the Project and subsequently closed by SCS.

8. Draft Report and Statement

This step in the verification process includes a final review of the submitted data, completion of the Verification Report, and drafting of the Verification Statement. A draft Verification Report and Statement are completed based on the results of the verification assessment.

9. Senior Internal Review

The draft report was presented to an SCS lead verifier, independent of the verification, who determined the Verification Statement to be justified given the evidence presented. The Verification Report and Verification Statement were then presented to the Project Developer for review and comment.

10. Final Report and Statement

Once the Project approved these documents, SCS uploaded them to the CAR website for administrative review by CAR. Given a positive review, CAR will register the emissions reductions for the landfill gas project and issue carbon tonnes for a reporting period of 09 June 2024 to 08 June 2025.

11. Exit meeting with client:

The exit meeting entails a review of the verification process, summary of the verification findings, and to initiate scheduling for the next verification period.

Documents reviewed

During the verification process, the following documents were reviewed:

Description	File Name
Erie PDR	Erie County_U.S.-Landfill-PDR-V4.pdf
Erie Monitoring Report	Erie County_Monitoring Report 2024-2025 V3doc
Climate Action Reserve Social Environmental Safeguard Assessment Form	Climate-Action-Reserve_Social-Environmental-Safeguards-Assessment-Form-2.docx
SDG Tool	SDG-Reporting-Tool_Erie_20250716.xlsx
Attestation of Regulatory Compliance	Attestation of Regulatory Compliance – 2024-2025.pdf
Attestation of Title	Attestation of Title – 2024 – 2025.pdf
Attestation of Voluntary Implementation	Attestation of Voluntary Implementation – 2024-2025.pdf
Calculations	Erie Landfill_ER Calc_V2_20250721.xlsx
Fossil Fuel Usage	6-2024 gas bill.pdf 2024-2025 fossil fuel usage summary.pdf

	Columbia gas 2024-2025 data.pdf Ohio Edison 2024-2024 data.pdf
Gas Data	Gas compile_20250721_V2.pdf 2024 data (various files) 2025 data (various files)
Generator Output	Gen 1 data (various files) Gen 2 data (various files)
Agreement	RESO Final Gas Purchase Agreement – 2009 12 20_Executd.pdf RESO Landfill Gas Purchase Agreement 3-9-22.pdf
Anew Contracts	2838_001.pdf AHX771 fully executed agmt.pdf Erie County Redline (002)_execution copy (1).pdf Renewable Energy Services Ohio (AIF523) Amendment No. 1_Redacted.pdf VERPA 10-31-08 – 2013 Redacted.pdf
Calibration Record	5-8-25 Third Party Calibration Certification Report.pdf 2024-2025 FIELD CALIBRATION CHECKS.pdf Sage Calibration Certificate – 2021.pdf
Permits	2023 GAS SYSTEM.pdf 334-292_Erie County-Tier 2 Report_12-2023.pdf Compliance Reports (Various) 6.24.2025 Stack Test Letter P001.pdf 6.24.2025 Stack Test Letter P004 NOC.pdf P0134863 Final T5 Renewal – Issued 4-8-24.pdf P0134863 Final T5 Renewal – Issued 4-8-24.pdf Title V Permit 1-2019 to 1-2024.pdf 2018 Landfill NPDES.pdf 2023 Solid Waste Facility License.pdf 2024 Operating Licence.pdf ESLF Facility License – 2025.pdf Landfill NPDES (2).pdf Site Inspection NOC – 6-17-2025 signed letter.pdf 2024 Landfill NPDES.pdf BAT Vertical Expansion Permit to Install – appendices A-J – 2006 11 01.pdf Flare Commissioning Report – 2008 06 28.pdf G3516LE CAT Generator & Engine Data Sheet.pdf G3520C CAT Generator & Engine Data Sheet.pdf

Verification Findings

SCS verified the Erie County Landfill Project against the requirements of the US LP. The following sections detail the most essential aspects of the verification of the Project.

Project Eligibility

The US LP specifies eligibility rules that the Project must meet in order to register reductions with the Reserve. Below is a summary of the eligibility requirements and the Project's compliance to each requirement.

Location

The project is a U.S. based landfill located in Milan, Ohio, USA and therefore meets this eligibility requirement. SCS confirmed the location through a site visit on 10 October 2024, during the previous reporting period.

Project Start Date

The start date is defined as the date at which a qualifying destruction device as the date that methane gas was first continuously destroyed in a qualifying destruction device, regardless of whether sufficient monitoring data is available to report reductions.

The Project was originally listed on CAR website on 30 April 2009. The Project's listing indicated the Project Developer began installation of the landfill gas collection and conveyance system (GCCS) in 2007 and began flaring gas on 09 June 2008. SCS reviewed the Flare Commissioning Report provided by Shaw LFG Specialties; LLC dated 28 June 2008. The Project was considered eligible at the time of the initial start.

Crediting Period

The first ten-year crediting period ended on 08 June 2018. The project submitted a new listing document to the Reserve for the second credit period within six months of the end of the first crediting period. The second credit period started on 09 June 2018 and extends to 08 June 2028. SCS has concluded that the reporting period verified in this report is within the eligible crediting periods for this Project.

Additionality

Project Developers must indicate that reductions are above and beyond business as usual. In order to do so, the Project must pass a Performance Standard test and the Legal Requirement test.

Performance Standard

For the Performance Standard test, a project developer may meet eligibility under four possible performance threshold scenarios. The following scenario applies to the Erie County Landfill Project:

Scenario 2: Installation of a new qualifying destruction device at an eligible landfill where landfill gas is currently collected and vented but has never been destroyed in any manner prior to the project start date.

The Erie County Landfill had passively vented LFG beginning in 2004, but no destruction device was utilized until the project start date, with the exception of two short pump tests using rental flares. These flares were utilized to determine the capability of the well field. The pump tests were conducted

4 February 2004 through 27 February 2004 and 25 October 2007 through 11 December 2007. SCS confirmed these flares were only used for testing purposes prior to the project and were not operational after the testing periods noted above, as such they are not considered in the Project's eligibility.

The project startup documentation and Title V permit confirmed that no other destruction devices were permanently located at the Landfill until the candlestick flare was installed in 2007.

Limits on Credit Stacking

Credit stacking is defined as receiving both offset credits and other types of mitigation credits for the same activity on spatially overlapping areas (i.e., in the same landfill). Per interviews with the landfill regulatory compliance personnel and Anew Climate LLC, the Project has not received offset credits and other types of mitigation credits for the same activity.

Legal Requirement Test

A regulatory review of the Project and the landfill were conducted by the verification team. There are no laws, statutes, regulations, court orders, environmental mitigation agreements, permitting conditions, or other legally binding mandates requiring the destruction of landfill gas. RESO has also developed a procedure in the monitoring plan to ascertain and demonstrate that the project always passes the legal requirement test. The verification team reviewed the PDR, the Title V Air Permits for both the landfill and RESO, and the Municipal Solid Waste Permit and found no requirements to install a gas collection system.

In addition, Erie County Landfill has conducted a non-methane organic compound (NMOC) Threshold review. The Erie County Sanitary Landfill is subject to NSPS regulation requiring the facility to conduct Non-Methane Organic Compound (NMOC) emission rate testing. The most recent Tier II NMOC Emission Rate Report for the Landfill was conducted in December 2023 with a calculated NMOC level of 13.18 Mg or less per year through 2027. SCS confirmed the landfill had not undergone an expansion or upgrade during the reporting period and therefore, both years are less than the 40 CFR 60 applicability threshold of 34 Mg/yr.

Lastly, SCS reviewed the Attestation of Voluntary Implementation, signed on 23 August 2025 by an eligible signatory to attest for the Project. RESO has affirmed that the Project was established and implemented voluntarily and continues to operate as such. Based on this evidence, SCS concludes the Project passes the legal requirements test.

Regulatory Compliance

SCS reviewed the Attestation of Regulatory Compliance completed by Renewable Energy Services of Ohio, LLC on 23 August 2025. In addition, SCS conducted a review of the regulatory compliance of the landfill

and combustion facilities operated by the Project. SCS reviewed the EPA Enforcement & Compliance History Online database (ECHO) on 26 November 2025, the Title V Semi-annual Compliance Certifications along with various other environmental reports. The ECHO report noted one Clean Water Act violation during the reporting period due to soil disturbances along the south side of phase 2 where crews were placing and grading intermediate cover and the area was seeded and mulched leading to reductions in exceedances. Therefore, the violations pertain to acts of nature or administrative errors and are not a direct or indirect result of the operating the landfill gas collection and destruction. Lastly, SCS noted the Project's monitoring plan contained procedures for maintaining and monitoring regulatory compliance and that the procedures are being properly followed. Through its review, SCS confirmed that the Project was in material compliance with all applicable laws during the verification period.

Ownership

Renewable Energy Services of Ohio, LLC (RESO) owns and operates the energy plant and associated destruction devices. Erie County Landfill is the owner and operator of the Landfill and gas collection system. RESO and Erie County entered into an agreement whereby RESO contracted for the rights to any landfill gas generated at the landfill, including all carbon and other environmental attributes. SCS confirmed RESO was the Project Developer of the Project through a review of regulatory permits issued from the Ohio EPA, as well as a review of the agreements between Erie County and RESO. Though the landfill and gas collection wells are owned and operated by Erie County, SCS confirmed that RESO retains full, legal, and beneficial title to the carbon offset credits being issued as a result of the collection and combustion of methane at the landfill facility. SCS also confirmed Anew has an agreement with RESO to sell the carbon credits.

Lastly, SCS reviewed the Attestation of Title signed by the Managing Director of RESO, dated 23 August 2025 concerning ownership of landfill gas emission reduction credits for the reporting period. This document asserts that the project applicant has legal rights to any emission reduction credits to be issued by CAR. From this evidence, SCS has concluded that the project developer, Renewable Energy Services of Ohio is entitled to receive the emission reduction credits that may be issued by CAR for methane destroyed during this project period.

The GHG Assessment Boundary

The Project includes all emission sources from the operation of the landfill gas collection system to the ultimate destruction of the landfill gas. The sources of GHG emissions reviewed include:

The GHG sources, sinks, and reservoirs associated with the baseline scenario are:

- CH₄ vented to the atmosphere, adjusted for the emission reductions achieved by the non-qualifying devices.

- CO₂ from the oxidation of CH₄ by soil bacteria. As the landfill is not covered with a synthetic liner, the US LP assumption that 10 percent of the methane produced would be naturally oxidized by soil bacteria has been applied.

The GHG sources, sinks, and reservoirs associated with the project are:

- Un-combusted CH₄ from Landfill gas in the open flare, and the engine (no credits taken for the flare this period).
- CO₂ from the combustion of fossil fuels used during operation and maintenance activities for the project activity.
- CO₂ resulting from the consumption of imported electricity.

The gases reviewed include CO₂ and CH₄. All gases are converted to CO₂ equivalents.

Review of Project GHG Management Systems

During the document review stage and site visit, a review of the Project's greenhouse gas management systems was reviewed with the Project Developer. This review included a detailed look at the Project's data handling and processing procedures, recordkeeping and data storage, and the quality control and assurance procedures. The following is the result of this review:

Monitoring and Operations Plan

In accordance with the U.S. Landfill Protocol requirements, Anew provided a PDR and Monitoring Report for the Project. These documents address several aspects of the project, including but not limited to frequency of data acquisition, flow and methane concentration monitoring, facility and data management systems, QA/QC provisions of monitoring instrumentation, roles of individuals responsible for monitoring activities, a project diagram, a record keeping plan and describes how relevant parameters required by the U.S. Landfill Protocol Table 6.1 are to be collected and reported.

Project Monitoring

The primary data gathered for the Project is landfill gas flow, pressure, temperature, and methane content of the landfill gas. A Sage Thermal Mass Flow Meter Model SRP-05-18-AC115-LFG continuously monitored landfill gas flow after the blower and a knockout prior to combustion in the engines. The position of the flow meter was adequate to ensure laminar flow. This meter was last factory-calibrated on 8 May 2025. The Manufacturer's specifications indicate the meter can be field checked by a zero calibration self-check that is performed by onsite personnel on a quarterly basis at a minimum, otherwise there are no factory calibration or cleaning and inspection requirements. The flow meter was inspected, cleaned and field checked for calibration accuracy on a quarterly basis with the as found/as left conditions of the flow meter documented. All calibrations show that the flow meter read within a +/- 5% margin of error during the reporting period. The meter was calibrated within 2 months of the end of the reporting period by a certified third party on 8 May 2025. SCS confirmed the flow meter was calibrated to a range of flow rates corresponding to the flow rates expected at the landfill.

The Landfill also employed a ABB Easyline continuous gas analyzer, Model # EL3040. The analyzer was cleaned and inspected on a monthly basis by Project personnel. The ABB analyzer was installed on 15 July 2010 and was factory-calibrated prior to installation. The manufacturer recommends that the analyzer be calibrated with test gases on an annual basis. The last calibration of the analyzer was conducted within two months of the end of the reporting period by a certified third party with the as left/as found conditions documented. The gas analyzer was field inspected and cleaned monthly by RESO personnel. All calibration field checks show that the methane analyzer read within +/-5% throughout the reporting period. SCS confirmed the flow meter was calibrated to a range of conditions corresponding to the methane rates expected at the landfill.

The project monitoring results are as follows:

Table 1. Meter QA/QC Check Results

Instrument	Cleaning & Inspection Dates	Calibration Dates	Status (meter read within a +/- 5% margin of error)
Engine Sage Flow meter SN: 216767-127912	Monthly	Monthly 05/08/25*	Monthly by RESO *by FCx Services within protocol tolerance and within 2 months of the end of the reporting period.
ABB EL3040 Gas Analyzer# SN: 3349520	Monthly	Monthly 05/08/25 *	Monthly by RESO *by FCx Services within protocol tolerance and within 2 months of the end of the reporting period.

Hours of operation are continuously monitored by kilowatt hour produced by the engines via a PLC and recorded on a SCADA system every one minute.

The ABB analyzer and the Sage flow meter are measured on the same basis and connected to a dataTaker data logger, Model # DT28e, which downloads data every 60 seconds at the RESO facility. The generator control system downloads a variety of data for electric generation including the current load, the totalized load, voltage and frequency among other options. The data logger stores data for about 30 days, but is generally manually downloaded by RESO staff on a weekly basis.

A Monitoring Report has been created for the Project. The contents of the Monitoring Report were thoroughly reviewed and observed to include the Monitoring Plan which met the requirements of the U.S. Landfill Protocol. SCS also confirmed the project was in conformance with the PDR. All project records are kept for a minimum of ten years when the information is first generated or seven years after the last verification as stated in the current version of the project's monitoring plan and the U.S. Landfill Protocol version 6.0.

Review of Environmental and Social Safeguards

In accordance with the Reserve Offset Program Manual requirements, Anew provided an assessment of how the project activity is consistent with the U.N. Sustainable Development Goals (SDGs) in cases where the SDG is relevant to the project. Through the Reserve's SDG reporting tool, reviewed by SCS during the verification process, Anew provided a qualitative assessment on how the project activity delivers SDG impacts, including a positive impact on SDG 13: take urgent action to combat climate change and its impacts.

In accordance with the Reserve Offset Program Manual, Anew also submitted the Environmental and Social Safeguards Assessment Form, reviewed by SCS during the verification process, in which Anew identified assessed environmental and social impacts of the project. No negative impacts were identified, and no mitigation measures were required.

Quantitative Review of Carbon Reductions and Removals

SCS devoted a portion of the verification assessment to the review of the manner and propriety by which the project quantified their net GHG reductions and removals. This assessment included a review of the baseline determination, project assumptions, raw data inputs, and accuracy of calculations. The formulas and raw data inputs used to determine emission reduction calculations as described in the PDR and the calculation spreadsheets were first reviewed for compliance with the US LP. The main parameters of Equation 5.1 were verified as follows:

Total Annual Methane Emissions Destroyed by The Project Landfill Gas Collection and Destruction System ($CH_4 \text{ Dest}_{PR}$)

The amount of methane destroyed is calculated from the continuously metered landfill gas data. For the verification period of 09 June 2024 to 08 June 2025, data was electronically captured every minute and aggregated to eight-minute intervals in the emission reduction calculations. The main monitored parameters needed to calculate the amount of methane destroyed are:

$LFG_{i,t}$ = total quantity of landfill gas fed to the destruction device and
 $PR_{CH_4 i,t}$ = the average methane fraction of the landfill gas in time interval t as measured

Flow is first adjusted by voiding the flow for any period when no kWhs were recorded for the engine. Daily flow was then calculated by summing the flow for each interval period to produce a daily total. The incremental methane destroyed flow was calculated based on an average daily methane concentration by the daily total flow of landfill gas with temperature and pressure taken into consideration (for each destruction device). Total daily destroyed methane was carried forward into further calculations to determine emission reductions for the project.

Adjustment for Landfill Gas Flow Metering Equipment for Temperature and Pressure

SCS confirmed gas flow was recorded by the monitoring instrument at 70 degrees and one ATM and subsequently adjusted to 60 deg and 1 ATM in the emission reduction calculations as required by the U.S. Landfill Protocol.

Adjustment for As-Found condition (percent drift) of Metering Equipment

SCS noted above that the flow meter “as found” calibration record to be within protocol tolerance for the whole reporting period.

Default Methane Destruction Efficiency for Device (Dei)

SCS confirmed the project applied a 93.6% destruction efficiency for the engine.

Factor for The Oxidation of Methane by Soil Bacteria (OX)

The Project does not incorporate a synthetic liner in its cover system; therefore a 10% methane soil oxidation factor was applied to the baseline scenario and pre-project scenario.

Discount Factor to Account for Uncertainties Associated with the Project Monitoring Equipment (DF)

As per the methodology, DF equals to 0% if using a continuous methane monitor. It was verified that measurement readings were taken by a continuous gas analyzer and therefore no discount was applied to the entire reporting period.

Adjustment to Account for Pre-Project LFG Destruction Device (PRE-discount)

An adjustment to the project baseline was not necessary as there were no pre-project destruction devices associated with the project.

Total Annual Indirect Carbon Dioxide Emissions from the Consumption of Electricity from the Grid (EL_{CO2}) and Total Annual Carbon Dioxide Emissions from the Destruction of Fossil Fuel (FF_{CO2})

CO₂ emissions result from consumption of electricity to power project equipment. The activity data for this source was tracked by reviewing utility settlement invoices from the power supplier. Project emissions from propane consumption for use in the flare were also notated. In addition, a backup generator is connected to an auxiliary natural gas line to power the building in case of emergencies. There is also a natural gas heater on-site used to heat the building. Natural gas bills from Columbia Gas of Ohio have been provided to account for natural gas use. It is important to note-natural gas is **not used** as a supplemental fuel source for the engines to create electricity. The emission factors for electricity, natural gas, and propane were verified, and no material errors were found.

Project emissions were subtracted from the total amount of methane destroyed. The values for the reporting period are presented in the final calculation spreadsheets.

Global Warming Potentials

Under the Climate Action Reserve’s offset protocols, projects convert quantities of non-CO₂ greenhouse gases (GHGs) into a quantity of CO₂-equivalent (CO₂e) using the 100-year global warming potential (GWP) values from the Intergovernmental Panel on Climate Change (IPCC) using the Fourth Assessment Report. On 13 July 2022, the Reserve issued a Use of Global Warming Potential Values for all Offset Protocols.

This policy is effective immediately (as of July 13, 2022) for projects using Reserve protocols – regardless of version – for emission reductions and removals for vintage year 2021 and later. As such, the Project has applied the Methane GWP of 28.

Missing Data Procedures

There were no Missing Data procedures applied to the data in this report period.

Zero Credit Reporting Periods

There were no zero credit reporting periods reviewed for this verification engagement.

Variances

For these reporting periods, there were no variances requested.

Verification Results

The verification of Erie County Landfill Project focused on the accurate collection of data and quantification of emission reductions as implemented by Renewable Energy Services of Ohio, LLC in accordance with the verification criteria. A sample set of raw flow data (consisting of landfill gas flow and temperature) and methane concentration was randomly selected and reviewed in order to identify material misstatements due to transcription mistakes, mathematical errors or malfunction of instruments. The emission reduction calculations were recalculated by the verification team and found to be conformance with the US LP.

The percent error is defined as the following:

$$\%Error = abs\left(\frac{Stated\ reductions - Verified\ reductions}{Verified\ reductions}\right) \times 100$$

$$\%Error\ for\ this\ project = ((60,083 - 60,153) / 60,153) \times 100 = 0.12\%$$

The accuracy level is defined as the following:

$$Accuracy = 100\% - (0.12\%)$$

$$Error = 99.88\%.$$

The project meets the quantitative materiality threshold of >97% accuracy.

Based upon the verification process and the evidence collected, SCS concludes that the GHG assertion is a fair representation of the Project emission reductions resulting from the capture and destruction of landfill gas during the reporting period 09 June 2024 to 08 June 2025 and can be considered:

- In conformance with the U.S. Landfill Protocol, Version 6.0 (June 8, 2022)
- Without material discrepancy, and

- Verified to a reasonable level of assurance

The following provides a summary of the verification results:

Vintage Emissions Verified	Baseline Emissions CO ₂ e (metric tons)	Project Emissions CO ₂ e (metric tons)	Emission Reductions CO ₂ e (metric tons)
2024	37,554	4	37,550
2025	22,538	5	22,533
Total	60,093	9	60,083

Note: final numbers are rounded for simplicity.

Throughout the verification process, SCS made several supplemental documentation requests in the form of Findings – NCRs, NIRs, and OBSs. These requests provided clarification regarding the Project. The Findings from the verification of the Project are compiled in a separate “List of Findings” document and are available under separate cover. The List of Findings is only shared between the Project Developer and verifier and is not publicly available.

Recommendation

The Lead Verifier recommends that SCS Global Services issue a positive verification opinion for the following:

Project Developer Name & Address	Renewable Energy Services of Ohio, LLC 3224 Angels Way Sandusky, Ohio 44870
Scope of Verification	Emission reductions arising from the capture and destruction of Landfill Gas Methane from: Erie County Landfill Project
Reporting Period	09 June 2024 to 08 June 2025
Total GHG Emission Reductions Verified	Vintage 2024: 37,550 metric tonnes CO ₂ e Vintage 2025: 22,533 metric tonnes CO ₂ e
GHG Protocol(s) Used for Verification	■ CAR U.S. Landfill Protocol, Version 6.0 (June 8, 2022) ■ Errata CAR U.S. Landfill Protocol Version 6.0 Errata And Clarifications (April 13, 2023) ■ CAR Verification Program Manual (February 3, 2021) ■ Reserve Offset Program Manual Version 9.2 (April 2024) ■ CAR Policy Memorandum- Use of Global Warming Potential Values For All Offset Protocols (July 13, 2022) ■ ISO 14064-3:2019, Greenhouse Gases – Part 3: Specification with guidance for the validation and verification of GHG assertions
Lead Verifier's Approval	 Michelle Hirst, 5 January 2026
Senior Internal Reviewer's Approval	 Carolin Judd, 5 January 2026
Date of Verification	The Verification Opinion is to be dated when the Senior Internal Reviewer accepts the recommendation to issue the Opinion.

Appendix A: SCS Certification Mark

Congratulations on receiving a positive verification for Erie County Landfill Project. Your project is now eligible to use the SCS Kingfisher Certification Mark B for Carbon Offset Project Verification, as represented on the cover page of this verification report. The SCS Kingfisher Certification Mark increases the recognition of your achievements with your verification carbon offset project.

Please refer to the *SCS Kingfisher Certification Mark Labeling and Language Guide: Mark B* provided to you by the GHG Verification Program staff for more information about your Mark and usage. Should you have any additional questions regarding your Mark, use, messaging, or other marketing opportunities, please contact the GHG Verification Team or SCS Marketing Staff at NRmarcom@scsglobalservices.com.