

validation/verification



# ISO 14064-1 Greenhouse Gas (GHG)

The GHG Report for reporting period from 1 January 2025 to 31 December 2025

## PTG Energy Public Company Limited

90 CW Tower A, 33rd Floor, Ratchadaphisek Road, Huaykwang, Bangkok, Thailand 10310

Note: The companies and subsidiaries within the scope of the verification include PTG Energy Public Company Limited, Petroleum Thai Corporation Company Limited, and PTG Logistics Company Limited.

It has been verified at a limited level of assurance according to ISO 14064-1:2018 and ISO 14064-3:2019.

The total greenhouse gas emission in the period 1 January 2025 to 31 December 2025 as following

Category 1: Direct GHG emissions and removals	57,653	tCO <sub>2</sub> e
Category 2: Indirect GHG emissions from imported energy	33,737	tCO <sub>2</sub> e
Category 5: Indirect GHG emissions from the use of sold products	14,880,533	tCO <sub>2</sub> e
The total greenhouse gas emission for Category 1 and Category 2	91,390	tCO <sub>2</sub> e
The total greenhouse gas emission for Category 1, Category 2 and Category 5	14,971,923	tCO <sub>2</sub> e
Biogenic CO <sub>2</sub> emissions	2,561	tCO <sub>2</sub> e
Additional: HCFC-22	8	tCO <sub>2</sub> e

Note: The amount of greenhouse gas emission of each category has been rounded up to an integer, which may affect the total emission by using mathematical equations, different is less than 1 tonne of carbon dioxide equivalent.

For the following activities

- Direct greenhouse gas emissions and removals --- stationary combustion (diesel, gasoline, liquefied petroleum gas), mobile combustion (diesel, gasoline), methane leakage from septic tank systems, leakage of refrigerants (R-32, R-134a), and leakage from CO<sub>2</sub> fire suppression systems.
- Indirect greenhouse gas emissions from imported energy consumption --- electricity and solar cell
- Indirect greenhouse gas emissions from the use of fuel products sold by the organization
- Biogenic CO<sub>2</sub> emissions and HCFC-22

Date of Verification Statement: 20 March 2026

This verification statement is not valid without the full verification scope, objective, criteria and conclusion available on page 2 to 4 of this statement.

Signed by

Mr. Teerakul Boonyong  
Vice president,  
Sustainability Validation and Verification  
Department

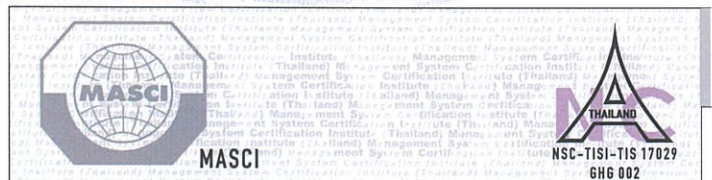
Acting on behalf of the President,  
Management System Certification Institute (Thailand)

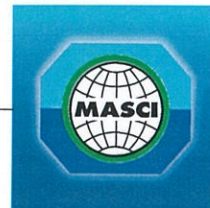
Signed by

Mr. Teerakul Boonyong  
Independent Reviewer / Technical Reviewer

Signed by

Ms. Atchada Ngeimvijawat  
Lead Verifier





# ISO 14064-1

## Greenhouse Gas (GHG)

Verification Statement related to GHG Report for reporting period from 1 January 2025 to 31 December 2025 prepared for PTG Energy Public Company Limited

### Terms of Engagement

PTG Energy Public Company Limited (hereafter referred to as "PTG") has commissioned to Foundation for Industrial Development - Management System Certification Institute (Thailand) (hereafter referred to as "MASCI") to carry out a limited level of assurance of the GHG Report for reporting period from 1 January 2025 to 31 December 2025 (hereafter referred to as "GHG Report").

### Management Responsibility

PTG is responsible for the preparation and fair presentation of the GHG Report in accordance with ISO 14064-1:2018. This responsibility includes designing, implementing and maintaining a data and information management system relevant to the preparation and fair presentation of the GHG Report that is free from material misstatement.

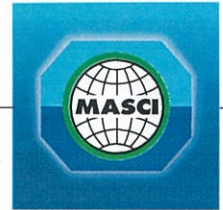
MASCI's responsibility is to express an opinion on the GHG Report based on our verification. We conduct our verification in accordance with the ISO 14064-3:2019. This International Standard requires that we comply with ethical requirements and plan and perform the verification to obtain a limited level of assurance in accordance with our contract with PTG. Ultimately, the GHG Report has been approved by, and remains the responsibility of PTG.

### Verification Objective

The purpose of the verification is to provide interested parties with professional and independent judgment regarding the data and information contained in the GHG Report.

### Verification Scope

- Type of GHG included - CO<sub>2</sub>, CH<sub>4</sub>, N<sub>2</sub>O, SF<sub>6</sub>, PFCs, HFCs and NF<sub>3</sub> including HCFC-22 and Biogenic CO<sub>2</sub>
- The organizational boundaries was established by using operational control approach.
  1. PTG Energy Public Company Limited (Company Registration No.: 0107538000703)
    - Head Office: 90 CW Tower A, 33rd Floor, Ratchadaphisek Road, Huai Khwang Subdistrict, Huai Khwang District, Bangkok 10310
    - Distribution Center: 141/13, 141/14 TICON Logistics Park Project, Moo 1, Phahonyothin Road Km. 55.5, Phayom Subdistrict, Wang Noi District, Phra Nakhon Si Ayutthaya 13170
    - MaeKlong Oil Depot and Analytical Laboratory: 88 Moo 1, Bang Chakreng Subdistrict, Mueang District, Samut Songkhram 75000
    - Saraburi Oil Depot: 6 Moo 9, Nong Khai Nam Subdistrict, Nong Khae District, Saraburi 18140
    - Phitsanulok Oil Depot: 76/4 Moo 2, Phitsanulok-Bueng Phra Road, Bueng Phra Subdistrict, Mueang District, Phitsanulok 65000
    - Nakhon Sawan Oil Depot: 74 Moo 8, Muang Hak Subdistrict, Phayuha Khiri District, Nakhon Sawan 60130
    - Lampang Oil Depot: 102 Moo 10, Pong Saen Thong Subdistrict, Mueang District, Lampang 52100
    - Pak Thong Chai Oil Depot: 333 Moo 12, Ngio Subdistrict, Pak Thong Chai District, Nakhon Ratchasima 30150
    - Surin Oil Depot: 165 Moo 6, Samrong Subdistrict, Mueang District, Surin 32000
    - Khon Kaen Oil Depot: 349 Moo 10, Mittraphap Road, Kut Nam Sai Subdistrict, Nam Phong District, Khon Kaen 40310
    - Chumphon Oil Depot: 167 Moo 1, Tha Yang Subdistrict, Mueang District, Chumphon 86120
    - Sriracha Office: 522/25 Moo 10, Nong Kham Subdistrict, Si Racha District, Chonburi 20230
  2. Petroleum Thai Corporation Company Limited (Company Registration No.: 0105535099511)
    - Company-Operated Oil Service Stations (COCO): A total of 1,684 stations
  3. PTG Logistics Company Limited (Company Registration No.: 0105558135688)
    - Fleet Transport Operations and Maintenance Center – Sriracha: 192/105 Moo 5, Nong Kham Subdistrict, Si Racha District, Chonburi 20230
    - Fleet Maintenance Center – Nong Khae: 61 Moo 5, Nong Khai Nam Subdistrict, Nong Khae District, Saraburi 18140
    - Protruck Service Center – Samut Songkhram: 47/1 Moo 6, Bang Kaeo Subdistrict, Mueang District, Samut Songkhram 75000
    - Protruck Service Center – Ban Phai: 196 Moo 1, Ban Phai Subdistrict, Ban Phai District, Khon Kaen 40110
    - Protruck Service Center – Sikhio: 37 Moo 15, Lat Bua Khao Subdistrict, Sikhio District, Nakhon Ratchasima 30140
    - Transport Operations – Suksawat: 305/2 Soi Suksawat 30, Bang Pakok Subdistrict, Raf Burana District, Bangkok 10140
    - Household Gas Transport Operations – Thanyaburi: 41/19 Moo 3, Khlong Si Subdistrict, Khlong Luang District, Pathum Thani 12120
    - BULK GAS Transport Operations – Bang Pakong: 116 Moo 14, Bang Pakong Subdistrict, Bang Pakong District, Chachoengsao 24130
    - Other Operations (Syrup): 98 Moo 10, Thale Bok Subdistrict, Don Chedi District, Suphan Buri 72250
    - Other Operations (Vegetable Oil): 99/8 Moo 1, Chaiyarat Subdistrict, Bang Saphan Noi District, Prachuap Khiri Khan



# ISO 14064-1 Greenhouse Gas (GHG)

- The GHG emissions, removals and storage in GHG Report for the period 1 January 2025 to 31 December 2025, which comprise the following:
  - Direct greenhouse gas emissions and removals --- stationary combustion (diesel, gasoline, liquefied petroleum gas), mobile combustion (diesel, gasoline), methane leakage from septic tank systems, leakage of refrigerants (R-32, R-134a), and leakage from CO<sub>2</sub> fire suppression systems.
  - Indirect greenhouse gas emissions from imported energy consumption --- electricity and solar cell
  - Indirect greenhouse gas emissions from the use of fuel products sold by the organization
  - Biogenic CO<sub>2</sub> emissions and HCFC-22
- Data and information related to GHG emission reduction and removal enhancement initiatives, projects and targets has not been included.

### Verification Criteria

- ISO 14064-1:2018 Greenhouse gases — Part 1: Specification with guidance at the organization level for quantification and reporting of greenhouse gas emissions and removals
- ISO 14064-3:2019 Greenhouse gases — Part 3: Specification with guidance for the verification and validation of greenhouse gas statements
- IPCC Fifth Assessment Report (AR5), Global warming potential (GWP) values are applied in this GHG Report

### Level of Assurance & Materiality

The conclusion expressed in this verification statement has been formed on the basis of a limited level of assurance and at a materiality threshold of 5%.

### MASCI's Approach

Our verification has been conducted in accordance with ISO 14064-3:2019, Specification with guidance for the verification and validation of greenhouse gas statements, to provide a limited level of assurance for the disclosure of data and information in the GHG Report have been prepared in accordance with ISO 14064-1:2018, Specification with guidance at the organization level for quantification and reporting of greenhouse gas emissions and removals.

Focusing on the basic principles of ISO 14064-3:2019, Impartiality, Evidence based approach, Fair presentation, Documentation, Conservativeness, and focusing on the basic principles of 14064-1:2018, Relevance, Completeness, Consistency, Accuracy, Transparency

Verification team performed verification activity as per procedure and criteria, including audit trail and source of evidence in line with strategic review and risk assessment, sampling plan, justification for quantifying and selecting the data sets. Evidence-gathering procedures included but were not limited to:

1. Review of historical data (base year: 2024) and data covering the period from 1 January 2025 to 31 December 2025, including data and information management, methodologies for calculation and analysis of greenhouse gas (GHG) emissions and removals, as well as all relevant supporting data and information.
2. Assessment and sampling-based verification of activity data and GHG emission factors, including, for example, sampling of fuel and energy consumption records to verify the accuracy of data sources used in the calculation and quantification of GHG emissions.
3. Verification of operational activities at facility level, including site visits to six (6) selected facilities, namely: the Head Office (PTG, PTC, PTGLG), Distribution Center, Maeklong Oil Depot and Analytical Laboratory, Phitsanulok Oil Depot, Fleet Transport Operations and Maintenance Center – Sriracha, and Fleet Maintenance Center – Nong Khae. This process aims to assess the completeness of the organization's GHG emissions and removals report, as well as to review relevant control measures and documentation.
4. Interviews with management, operational personnel, and GHG data owners/responsible persons to confirm that operational procedures are implemented in accordance with established standards.





Verification Statement Number 2025/021

validation/verification

# ISO 14064-1 Greenhouse Gas (GHG)

## MASCI's Conclusion

Our verification opinion based on the process and procedures conducted and the basis of a limited level of assurance, there is no evidence that the GHG Report, is not materially correct and is not a fair representation of GHG data and information or has not been prepared in accordance with ISO 14064-1:2018.

The total greenhouse gas emission in the period 1 January 2025 to 31 December 2025 as following

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**Note:** The amount of greenhouse gas emissions of each category has been rounded up to an integer, which may affect the total emissions by using mathematical equations, different is less than 1 tonne of carbon dioxide equivalent.

This verification statement is subject to the provisions of this legal section:

- Management System Certification Institute (Thailand) and their respective officers assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the data and information or advice in this document or howsoever provided, unless that person has signed a contract for the provision of this data and information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract.
- This verification statement is only valid when published with the report to which it refers. It may only be reproduced in its entirety.
- In the case of any conflict between the English and Thai language versions of this legal section, the Thai version shall prevail.
- Due to inherent limitations in any internal control, it is possible that fraud, error, or non-compliance with laws and regulations may occur and not be detected. Further, the verification was not designed to detect all weakness or errors in internal controls so far as they relate to the requirements set out above as the verification has not been performed continuously throughout the period and the verification carried out on the relevant internal controls were on a test basis. Any projection of the evaluation of control to future periods is subject to the risk that the processes may become inadequate because of changes in conditions, or that the degree of compliance with them may deteriorate.

Management System Certification Institute (Thailand) Foundation for Industrial Development

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