



# GHG INVENTORY VERIFICATION ISO 14064-1

## SUSTAINABILITY. SIMPLIFIED.

Climate change is the most critical and consequential issue facing our planet to date. The UK government have committed to reaching net-zero by 2050, and we all have a part to play in getting there. By taking the right and responsible actions now, we better prepare ourselves for what is around the corner. With the focus on global warming only increasing, the importance of reporting is too becoming more and more apparent.

Many organisations already voluntarily calculate, report, and declare their greenhouse gas emissions. This is known as a GHG inventory or carbon footprint.

The growth in organisations needing to determine and report GHG inventories is driven by legislative, tender and customer requirements. This also supports companies in their risk management, cost analysis, and organisation reputation management.

**NQA provides 3rd party verification in accordance with ISO 14064-1 to ensure your GHG Inventory (carbon footprint) is credible. This is a specification for the quantifying emissions and removals. Additional approaches may be adopted to support your compliance, including:**

- GHG Protocol
- DEFRA Environmental Reporting Guidelines

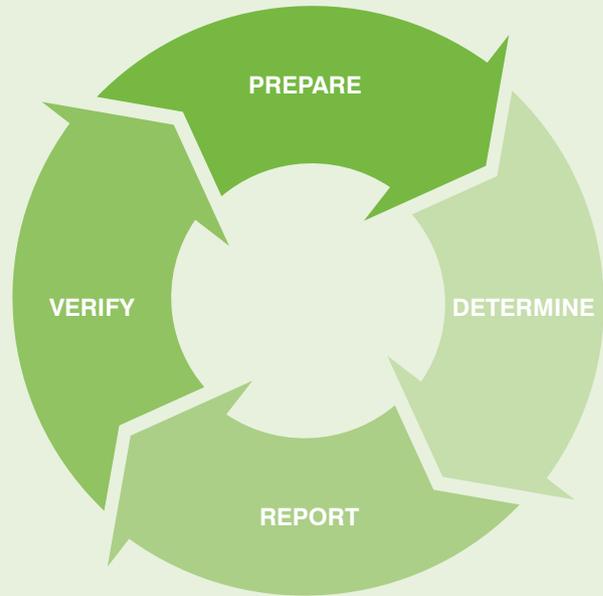
**GHG Inventory verification is comprised of the following key stages:**

- Setting the scope or boundaries of what is being measured
- Quantifying your emissions and removals
- Reporting
- Independent verification

**GHG Inventory verification will help organisations to:**

- Satisfy statutory requirements for mandatory reporting
- Demonstrate best practice and meet customer, stakeholder, industry, and legal expectations
- Voluntarily prepare for potential future legislation
- Supports developing PPN06/21 carbon reduction plans for major UK government contracts
- Have transparency with their quantified GHG inventory
- Reduce greenhouse gas emissions, and improve overall performance including cost efficiency

# VERIFIED GHG INVENTORY JOURNEY



## PREPARE

You'll need to understand the requirements of a GHG Inventory, and the requirements of ISO 14064-1.

You will need to determine the boundaries of the entity being verified. Typically, you should consider whether you have operational, financial or equity control over an organisation and its activities which generate emissions.

You will also need to collate relevant data sources, and consider your scope 1, 2, and 3 emissions to an extent relevant to your set boundary.

### Scope 1

direct emissions from owned or controlled sources

### Scope 2

indirect emissions from the generation of purchased electricity, steam, heating, and cooling

### Scope 3

all other indirect emissions that occur in a company's value chain (waste treatment, purchasing of goods, employee travel etc.)

## DETERMINE

Your GHG inventory is determined using information gathered from your organisation and your upstream and downstream stakeholders. This information forms the basis of the calculations of your greenhouse gas emissions. Typically business activity is translated to GHG emissions using conversion factors.

## REPORT

Reporting of GHG inventories must be complete, consistent, accurate and transparent. You will need to create a report which details how you have approached developing your GHG inventory as well as emissions data.

## VERIFY

NQA will conduct an independent 3rd party verification on your GHG Inventory to ensure this is accurate, reliable, and robust.

This enables you to communicate and make decisions with confidence that your GHG inventory will stand up to scrutiny.





## WHY ACHIEVE 3RD PARTY VERIFICATION?

- A verified GHG Inventory verification with NQA will stand up to scrutiny and give robust assurance. This protects your organisation against claims of greenwashing
- Provides a high degree of confidence in the GHG Inventory from which decision making and investment in carbon management can take place
- Reduces risk of operational or reputational damage caused by a potential error or misstatement
- You can promote your independent verification and utilise the relevant NQA logos / promotional materials



## NQA VERIFICATION PROCESS

NQA will conduct the 3rd party verification in accordance with recognised international standards:

### Stage 1 (Pre-Verification)

The Pre-Verification determines the client's readiness for a full verification. It additionally is used to understand the entity's characteristics, activities, and processes which drive GHG emissions. Enabling the development of a risk-based verification plan to be implemented at Stage 2.

### Stage 2 (Verification)

The purpose of this assessment is to carry out the full review on your GHG Inventory in accordance with ISO 14064-1. This will include an assessment of your methods for data capture, analysis, conversion and reporting. Typically, the Stage 2 will involve NQA visiting your location(s) for site visits

### Independent review (Post-Verification)

The purpose of this assessment is to do a secondary review on the workings from all parties at the verification stage, and to provide further assurance and integrity. This is informative only and no client presence required.

**Should you wish to discuss your verification requirements with a member of our team please get in contact.**



NQA, Warwick House, Houghton Hall Park, Houghton Regis,  
Dunstable, Bedfordshire LU5 5ZX, United Kingdom

T: 0800 052 2424 E: [info@nqa.com](mailto:info@nqa.com) @nqaglobal

[www.nqa.com](http://www.nqa.com)