



Future Perfect

A subsidiary of General Physics (UK) Ltd
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GHG Training Program for Verifiers

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GHG Training Program for Verifiers

Duration

4 days

Overview

With movement towards a carbon-constrained world, there is a growing interest in understanding and accounting for greenhouse gas emissions as a means of feeding robust information into policy and decision making processes. In North America, California has been leading the way towards formal accounting and reporting; with the passing of the Global Warming Solutions Act in 2006 (Assembly Bill 32), the Air Resources Board has been mandated to implement a regulatory reporting program applicable to key sectors and facilities with significant combustion sources. This includes a requirement for independent verification of reported data in order to provide confidence in the reports provided by organisations to the government.

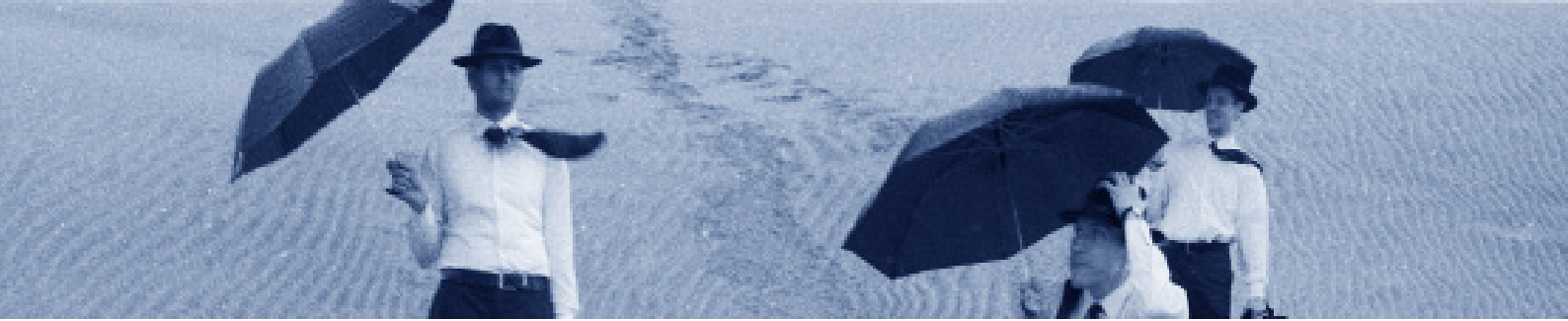
Please note this course does not require delegates to be pre-screened by CARB and it cannot be used towards the accreditation process but it does provide skills appropriate for the verification of a range of GHG inventory programs.

The skill-set needed to conduct independent assessment for these accounting and reporting activities requires a systems-wide approach, including broad understanding of accounting, engineering, contracts, management systems and more.

Future Perfect Ltd, a leading international provider of GHG verification training, will provide this training, drawing on their extensive practical experience of designing and delivering GHG verification for a number of regulatory and voluntary programs.

The objective of this course is to ensure that Verifiers have the required knowledge, understanding and skills to conduct robust verifications such that the verifier can provide a “high level” of assurance in the reported results, and is aware of and can manage all relevant risks and liabilities. Course participants can apply knowledge gained in this course to verifying Emissions Reports for the purposes of a range of GHG programs.

For individuals new to GHG verification, this course also serves as a preparation for understanding the requirements of CARB’s mandatory GHG reporting program. Learning will cover objectives in key areas of awareness, knowledge and skills.



Objectives

The key skills to be acquired include:

- Assess compliance with the requirements of the CARB Reporting Regulation and guidance, any related state/federal legal requirements and associated guidance, relevant national and international standards, and installation/ operator Monitoring and Reporting Plans
- Assess the quality and robustness of accounting, monitoring and reporting systems, e.g. measurement systems, CEMS and laboratory processes
- Validate reported emissions data and information on the basis of checking and testing of source data generation, data accounting, data assurance and internal controls and information management & security systems/process

The key awareness objectives include:

- Understand the GHG reporting and verification mechanisms including key roles; and demonstrate an understanding of the importance of third party review in protecting the environmental integrity of the reported emissions.
- Describe relevant protocols, guidance and supporting criteria
- Describe the implications of relevant International (ISO), USA (ASTM etc) and other standards of relevance to GHG accounting

The key knowledge objectives include:

- Describe the purpose of Emissions Accounting
- Describe the steps necessary to prepare a robust GHG Inventory
- Review the components of an effective GHG data management and reporting system
- Describe the quality assurance and quality control requirements needed for high levels of control over inventory accounting and reporting processes
- Explain the means of complying with the GHG Program requirements including the preparation and implementation of high calibre, verifiable monitoring plans
- Explain how to prepare GHG Reports that are suitable for successful independent verification and review
- Explore the verification process