

GreenHouse Gas Manager Training Program

Co-organized by:



GHG Manager Training Program

Course introduction

With the introduction of Carbon Pricing in Singapore, Taxable and Reportable facilities are required to report their GHG emissions to National Environment Agency (NEA) annually. Sustainable Energy Association of Singapore (SEAS) and EY have launched Singapore's first GHG Manager training program to help these facilities maintain competent individuals who can report organization's GHG emissions to NEA.

This program adopts a modular approach and is designed to help professionals quantify GHG emissions from emission sources applicable generically across industries. At the end of the program, candidates will have to pass the examination to qualify as a **GHG Manager**.

Who should attend

- ▶ This course is designed for professionals who seek in-depth understanding of GHG emissions and calculation methodologies
- ▶ Energy Managers or other professionals responsible for monitoring and reporting GHG emissions

How you benefit from this training

- ▶ Participants will become familiar with quantification methodologies and reporting requirements for GHG emissions.
- ▶ Candidates who are successful shall be qualified as **GHG Manager jointly by SEAS and EY.**

Course Duration

- ▶ 3 days with class-room assessment and a take-away exercise

For the take-away exercise, each participant is expected to submit an actual GHG calculation for selected process from their organization

Qualification

- ▶ After successful completion of class-room assessment and take-away exercise, qualified candidates will receive **the GHG Manager certificate** jointly awarded by SEAS and EY

21 SCEM PDU to be awarded

- ▶ This training is qualified for SCEM PDU.

Course Outline:

Module-1: Understanding GHG emissions and its calculation methodologies

- ▶ Overview of Climate Change and Global Warming
- ▶ Understanding types of Carbon footprint
- ▶ Introduction to emission sources and types of Greenhouse gases to be considered
- ▶ GHG calculation methodologies including IPCC, UNFCCC, etc.
- ▶ Multiple exercises on calculation of GHG emissions

Module-2: Monitoring raw data for GHG emissions

- ▶ Identify meters and techniques for raw data monitoring
- ▶ Quality management principles to manage raw data
- ▶ Exercises to identify monitoring of raw data

Module-3: NEA Reporting framework for Taxable and Reportable facilities

- ▶ Introduction to requirements of Carbon Pricing
- ▶ Responsibilities of Taxable and Reportable facilities
- ▶ Understanding NEA's Monitoring and Reporting Plan, including walk-through of NEA's Monitoring template
- ▶ Process of GHG verification

Course fees

- ▶ S\$2,880 per pax (exclusive of GST)

Course Dates (1st run)

- ▶ Module 1 & 2 : 11 & 12 September
- ▶ Module 3 : 19 October

Let us continue the conversation.
Please feel free to contact us at:
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Praveen Tekchandani

Senior Manager
Climate Change and Sustainability Services, EY

Praveen is a Senior Manager at Ernst & Young LLP Singapore. Praveen has an extensive experience in the field of Climate Change. He has conducted over 60 GHG assessments across 14 different countries. He is also an appointed member of international committee (ISO) responsible for development of ISO 14064 standard and Life cycle assessment.

He has worked with NEA in the development of Monitoring and Reporting framework used to support the Carbon Tax in Singapore.

He has also been awarded Enterprise Singapore Merit Award 2018 for his significant contributions to Singapore Standardization Programme in the field of environment.

He is a qualified lead auditor for GHG assessment, Energy Management System (ISO 50001), and Environmental Management System (ISO 14001); and holds Bachelor of Technology (B.Tech) in Production and Industrial Engineering from Indian Institute of Technology (IIT), Delhi.



Sharmistha Shome

Manager
Climate Change and Sustainability Services, EY

Sharmistha is Manager at Ernst & Young LLP. She has more than 10 years of experience in the field of climate change and sustainability. She has conducted around 80 GHG assessment projects across various industrial sectors, including power generation, waste heat recovery, manufacturing, mining, automotive etc.

Sharmistha has also worked with enterprise to develop their Carbon Neutrality strategy, setting of Science Based Targets and enterprise internal carbon pricing.

She has also completed Lead Auditor for Energy Management System (ISO 50001:2011), and Environmental Management System (ISO 14001). She holds Master degree in Energy Systems from University of Petroleum and Energy Studies, India.



Peter Huang

Assistant Manager
Climate Change and Sustainability Services, EY

Peter is an Assistant Manager at Ernst & Young LLP Singapore. He has both engineering and business qualifications and over 10 years of experience providing advisory and assurance services with a focus on climate change, sustainability strategy and EHS/Social audits to clients in various industries (e.g. Power, Utilities, Oil & Gas, Real estate, Logistics, Manufacturing, FMCG etc.), government organization and NGOs across Greater China, Europe and ASEAN.

He is certified GHG Lead Auditor, ISO 14064 Auditor, ISO 14001 Lead Auditor and SMETA 4-Pillars Auditor.

About EY

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About SEAS

The Sustainable Energy Association of Singapore (SEAS) is a non-government and non-profit business association that represents the interests and provides a common platform for companies in Sustainable Energy sector to meet, discuss, collaborate and undertake viable projects together.

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