



Sunday, January 29, 2012

Workshop 4 - GHG Inventory Management: Integrating Carbon Accounting & Reporting into Planning and Operations

Presenters

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Scott Weaver, Partner and Manager, Air Quality and Climate Change, ERM

Summary

The US EPA Greenhouse Gas Reporting Rule and several states require many fossil fuel electricity generating units (EGUs) to report greenhouse gas emissions. Now is the time to review the first federal reporting experience to capture lessons learned and ensure compliance with these rules by applying the smartest business practices that will be cost effective in the long run. There are still some issues to be resolved and significant lessons to be learned before businesses can integrate monitoring, recordkeeping and reporting into operations. This workshop will focus on practical strategies for developing GHG inventory management plans, inventories, and data systems in the context of emerging regulatory and voluntary programs. Attendees will learn how to avoid traps, pitfalls, and easy mistakes. Best practices for maintaining Monitoring Plans will be addressed. Streamlining procedures for data management systems including custom software or EMIS systems will be presented to provide examples of how to cut compliance reporting costs. Case studies with feedback from experiences with software systems by users will be provided.

In addition, firms that are reporting in Corporate Sustainability Reports, the Carbon Disclosure Project, and The Climate Registry are increasingly accounting for a broader set of carbon parameters. There is an increasing focus on GHG emissions from the supply chain. This is reflected in a just released GHG protocol from WRI for Corporate Value Chain (Scope 3) Emissions. The Electric Utility Industry Sustainable Supply Chain Alliance has also been involved in developing standards that address GHG emissions.

The workshop will cover:

- Federal GHG reporting and recent experiences
- State GHG reporting and lessons learned

- Overall lessons learned for ensuring regulatory compliance
- Practical strategies for maintaining GHG inventory management plans, inventories, and data systems
 - CO2 CEMS and metering configurations for CO2 reporting (where to measure, where do engineering estimates)
 - Non-CEMS units and under 25 MW units
 - SF6 inventory management and reporting
 - Voluntary EPA program; California regulation; Emission Factors
 - Managing multiple Monitoring Plans for incremental rule changes and multiple jurisdictions
 - Accounting considerations for attribution of GHG emissions at CHP projects (e.g., to electricity or steam)
 - Examples: oilfield cogeneration; chem plant hosted onsite steam supply by cogenerator
 - Benefits of tracking <25,000 mt/yr facilities
 - Preparation for 10,000 mt/yr level reporting in certain states
 - Valid uses for MRR data – and what it really cannot be used for
- Considerations for GHG accounting in capped frameworks
 - Plan and Inventory setup considerations for facilities which are wholly or partially capped
 - Operations seeking to participate in CDM/JI (outside of US) or voluntary markets (e.g., renewables)
 - Verification requirements
- Streamlining procedures for data management systems including custom software or EMIS systems – successes and cautions
 - Case studies with feedback from experience with software systems by users
- Voluntary reporting to Carbon Disclosure Project, The Climate Registry
 - Implications of the New GHG protocol from WRI for Corporate Value Chain (Scope 3) Emissions
- Electric Utility Industry Sustainable Supply Chain Alliance's standards for GHG emissions reporting

Bios

Victoria Evans is a Partner and Practice Leader for Climate Change Services with ERM. She has over 35 years experience and been involved extensively in developing GHG inventories, carbon footprints, Life Cycle Analyses and GHG reduction strategies. Her teams have developed customized databases as well as implemented commercial software packages for GHG/energy data management. She has provided strategic advisory services to clients on regulations under CARB's AB32 program and EPA's GHG reporting regulations, and has taught numerous reporting and inventory workshops.

Scott Weaver is a Partner and Manager of Air Quality and Climate Change at ERM. He has 18 years of experience in the environmental consulting field with an emphasis on air quality permitting, compliance, impact assessment and measurement programs. Mr. Weaver has extensive expertise with the power sector having provided environmental services to dozens of electric generation projects ranging from peaker plants to baseload facilities. These have included gas turbine, coal boiler, biomass

boiler, and large concentrating solar designs. His recent work includes compliance support for GHG emissions reporting and reduction planning.