



Environmental Quality Management, Inc.

Greenhouse Gas Management Services

Strategic Solutions for Voluntary and Mandatory GHG Management

Greenhouse gas (GHG) management is a rapidly evolving environmental issue. Some companies are facing pressure from customers, shareholders, or the community to reduce greenhouse gases (GHGs). Others are interested in voluntarily lowering emissions or are compelled to reduce energy consumption to save money. Many are now facing state regulations or gearing up for anticipated federal rules.

Whatever your need, EQ can help.



What Are Greenhouse Gases?

Greenhouse gases include the following compounds and compound categories:

- ▶ Carbon Dioxide (CO₂)
- ▶ Methane (CH₄)
- ▶ Nitrous Oxide (N₂O)
- ▶ Sulfur Hexafluoride (SF₆)
- ▶ Hydrofluorocarbons (HFCs)
- ▶ Perfluorocarbons (PFCs)

Demonstrated Expertise

EQ is one of the top environmental consulting firms in the nation. Our staff are experienced, prepared, and available to consult on virtually any process or issue related to GHG Management. We can help you:

- ▶ Reduce your carbon footprint by decreasing energy consumption.
- ▶ Reduce energy costs.
- ▶ Improve performance.
- ▶ Inventory and reduce emissions.
- ▶ Interface with regulators.
- ▶ Comply with regulations.
- ▶ Develop GHG monitoring plans.

EQ staff are also certified as GHG Verifiers by CSA America, Inc., the non-profit developer of the first personnel certification program for individuals who perform third-party GHG verifications.

Potentially Affected Industries:

- ▶ Ammonia Manufacturing
- ▶ Aluminum Production
- ▶ Cement Production
- ▶ Electrical Generation
- ▶ Ferroalloy Production
- ▶ General Stationary Fuel Combustion Sources
- ▶ Glass Production
- ▶ HCFC-22 Production & HFC-23 Destruction
- ▶ Iron or Steel Production
- ▶ Lead Production
- ▶ Lime Production
- ▶ Petrochemical Production
- ▶ Petroleum Refineries
- ▶ Pulp and Paper Manufacturing
- ▶ Silicon Carbide Production

Solving Problems... Creating Cost-Effective, Sustainable Solutions!



Services Offered by EQ

- ▶ Corporate energy and GHG management strategies
- ▶ Emission management, including:
 - Develop emission inventories for baseline and benchmarking for permitting, compliance, and cap and trade programs
 - Establish boundaries & quantification methods for GHG emissions
 - Develop inventory management plan
 - Evaluate emission reductions
 - Evaluate offset projects
- ▶ Energy and process improvements
- ▶ Energy management & generation techniques
- ▶ Energy reduction programs
- ▶ Air quality management
- ▶ Process control evaluations, troubleshooting, design, and engineering
- ▶ Carbon footprint analysis
- ▶ Cost-benefit analysis
- ▶ Compliance and compliance option analysis
- ▶ GHG monitoring plans



- ▶ Energy and GHG management systems integration:
 - Air pollution control systems
 - Process control
 - Plant air systems
 - Hydraulic systems
 - Comfort air
 - Material handling and conveying systems
 - Plant lighting
- ▶ Permitting
- ▶ Agency liaison, interface, and negotiations



About EQ

EQ is a full-service environmental consulting, engineering, and remediation firm with offices throughout the U.S. and Europe. In addition to our corporate headquarters in Cincinnati, EQ has offices in Chicago, Davenport, Durham, Las Vegas, New Orleans, Pittsburgh, Portland, Roanoke, Sacramento, and Seattle.

For additional information, please contact:
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