



Greenhouse Gas Emissions Management



Greenhouse Gas (GHG) Emissions Management involves enhancing your corporate strategy to incorporate the risks and opportunities from GHG emissions. Emissions management is a key activity for any company seeking to derive maximum value from its carbon assets and investment activities or to minimize potential carbon liabilities at the least cost.

Air emissions can be managed like any other asset or liability on the corporate balance sheet. ICF International is the leader in helping companies identify, assess, and manage the strategic opportunities and risks presented by GHGs and other air emissions.

Our broad experience and capabilities support manufacturing, energy, chemical, pharmaceutical, transportation, wood product, and technology firms in all aspects of climate change analysis, strategic planning, and value optimization. ICF is unparalleled in its combination of technical GHG expertise, leadership, and creativity. With more than 200 climate change and air emissions experts in offices worldwide, we offer market credibility and technical integrity with more than a decade of experience in advising international agencies and leading-edge companies. We develop and apply innovative methodologies, models, and software tools to address our clients' emissions needs.

Our objective is clear: To help companies integrate GHGs into corporate strategies to maximize the value of their carbon assets while minimizing market risks.

Featured Projects

Analyzing Impact on Asset Values from GHG Emissions Trading

ICF works with private clients worldwide to determine the asset value impacts of emissions trading systems. For a consortium of leading Canadian electricity and gas companies, we valued the corporate impacts and reduction options of various GHG emissions trading schemes using our Integrated Planning Model®. Our findings formed the basis of the consortium's public comments to Ontario's Ministry of Environment on potential asset value impacts on the GHG emissions trading policy regimes under consideration in Canada.

Designing Corporate Climate Change Strategy

European and North American corporations repeatedly turn to ICF's London, Moscow, Toronto, and Washington offices for expert advice in designing flexible, value maximization strategies to respond to emerging national and regional policy regimes. We work with one of the world's leading pharmaceutical companies to assess its value-at-risk from climate change policy, including how emerging market and policy fundamentals differ in European and North American jurisdictions.

Environmental Services

Strategy

- Corporate Environmental Policy and Strategy
- Air Emissions Strategy and Compliance Planning
- Environmental Management Strategies
- Multi-Pollutant Analysis
- Green Power Strategy and Planning

Carbon Services

- Emissions Inventories and Audits
- Monitoring and Verification
- Protocols/Baselines
- Project Development/Validation

Analysis

- Regulatory and Environmental Impact Analysis
- Risk Assessment and Management
- Technology Assessments
- Regulatory Policy Support
- Economic Impact Analysis of Power and Environmental Markets
- Role of Renewable Energy and Energy Efficiency in Air Quality Management
- Biomass Fuel and Generation Technology Analysis

Passion. Expertise. Results.

Developing GHG Emissions Measurement and Verification Protocols

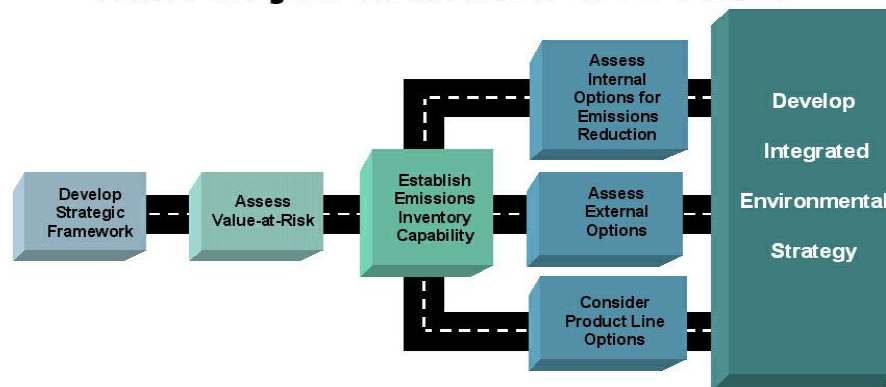
ICF designs corporate- and project-level GHG estimation, measurement, monitoring, and verification protocols for clients worldwide. We also conduct third-party verifications of internal and external (offset) emissions reductions actions. Duke Energy looked to ICF to identify the key components for its GHG Emissions Management Protocol as well as its least-cost internal and external emissions reduction options. We co-invented Fannie Mae's Emissions Trading Initiative® (ETI), which will sell residential energy-efficiency emissions reductions. We created ETI's Monitoring and Verification Protocol Handbooks and software reporting tools. The Canadian Gas Research Institute hired us to verify the Canadian gas industries' GHG emissions protocols. Dupont called on us to verify the emissions reductions from corporate GHG emissions reduction projects for international trading. We also revised BP's methane emissions protocol and verified its 1990 baseline and annual inventories.

Extracting Value from GHG Emissions Reduction Projects

ICF is helping the largest European waste management company find opportunities to extract value from landfill methane emissions reductions at sites in Central and Eastern Europe (CEE). We are exploring the incentives currently in place in CEE for extracting value through several routes—including the emerging European market for GHG emissions reductions and schemes to promote renewable energy such as pan-European tradable green certificate markets.

Climate Change Strategic Roadmap

Where are **you** on the *ROAD* to **SUCCESS**?



About ICF International

ICF International (NASDAQ:ICFI) partners with government and commercial clients to deliver professional services and technology solutions in the energy and climate change; environment and infrastructure; health, human services, and social programs; and homeland security and defense markets. The firm combines passion for its work with industry expertise and innovative analytics to produce compelling results throughout the entire program life cycle, from research and analysis through implementation and improvement. Since 1969, ICF has been serving government at all levels, major corporations, and multilateral institutions. More than 3,500 employees serve these clients worldwide. ICF's Web site is www.icfi.com.

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