



Manage your GHG Risk and Prepare for Carbon Accounting

Are you aware of carbon risk to your business? Do you know the carbon foot-print of your business? Have you realized how a carbon constraint world around will affect your business in a near to a long-term future? Do you understand what will be the direct and indirect cost of carbon to your supply chain, feedstock, raw materials, energy needs, and products deliveries in the emerging carbon free economy? Have you ever considered how your customers will react to your high carbon intensity products and services if your competitors can provide lower carbon intensity alternatives? Can you envision that there will be a carbon cost of your business which can increase by manifolds with time as the federal government regulates carbon emission to meet the US GHG reduction targets? If you do not know the answers to these questions, you better rush to find ones in order to minimize risk to your business and to prepare it for emerging market of a carbon free sustainable business world.

Carbon constraints may start affecting your business as early as 2010. The US EPA GHG Mandatory Reporting rule may require your business to submit GHG emission report of your facilities if those exceed 25,000 metric tons reporting threshold. The final H.R.2454 is anticipated to pass the US Senate before end of this year will enact carbon cap and trade regulation by 2012. This will require your business to meet GHG emissions cap by buying carbon credits if your carbon reduction efforts cannot meet progressively decreasing carbon cap on your business each year. The above questions may already be making your management looking for answers as part of risk mitigation efforts for the business and to prepare for upcoming carbon constraint challenges. We can help you find the answers to above questions by:

- Determine carbon footprint of your business
- Screen your facilities for EPA GHG mandatory reporting
- Compile GHG inventory for EPA GHG Mandatory Reporting
- Compile GHG Inventory for The Climate/California Registry
- Develop GHG Management Plans and Strategies

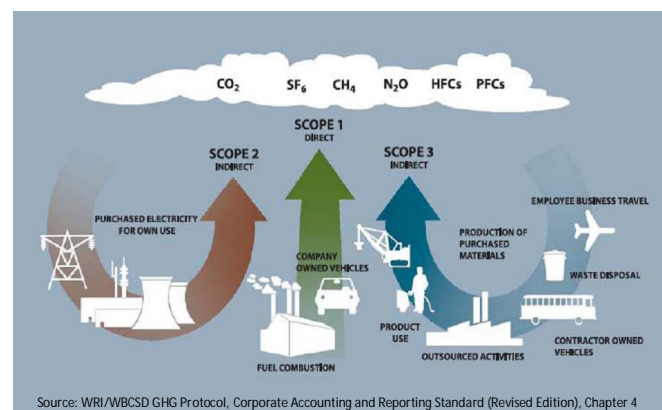
At Polar Design Studio, we have extensive experience of developing GHG management program including internet based GHG system designed and built as a customized GHG EMIS tool which meets your needs and compiles, maintains and tracks GHG emissions of hundreds of facilities across the nation and globally. This highly powerful and flexible internet based GHG Management Information System for your facilities will save hundreds of work-hours every year and provide consistent data that comply with GHG Accounting and Reporting principles.

GHG Management and Carbon Accounting Services

We can help you in developing and implementing GHG management, GHG EMIS and carbon accounting system:

- Identify GHG sources, screen for EPA GHG threshold and compile GHG inventory for EPA reporting
- For TCR/California registries, define GHG system boundary, identify sources and compile inventory
- GHG direct (Scope1) for stationary, mobile, fugitive and process emissions
- GHG direct (Scope1) for hexafluoride (SF6) and refrigerant (HCF/PFC) emissions
- GHG indirect (Scope2) for grid electricity and steam
- Develop GHG Plan and GHG verification process
- Develop GHG EMIS for managing and reporting GHG
- Enhance GHG EMIS for multiple-protocols: EPA GHG, TCR, EPA Climate Leader, Chicago Climate Exchange
- GHG Allowance tracking (allocation & purchase) and carbon accounting management
- Develop GHG compliance and reduction strategy
- Help develop carbon offset projects
- Help develop renewable energy projects: solar, wind, biogas, biomass and other Distributed Generation (DG)

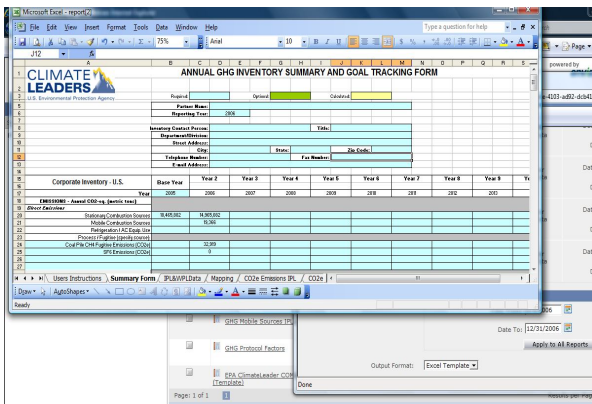
Our designed and implemented GHG EMIS systems are successfully managing GHG inventory compilation and reporting as per TCR, IPCC/WRI/WBCSD and California GHG Registry protocols and generating reports on forms such as EPA Climate Leader, Chicago Climate Exchange and so forth.





Our Cost Effective and Rapid Deployment Cycle

1. We have introduced the innovative concept of "Basic Emission Block" in GHG EMIS implementation which makes a complex multimedia implementation much easier. This unique approach helps build complex structure on simple basic building blocks. It also makes the system flexible for any change in existing facilities, adding or removing facilities without hurting the main structure of the GHG EMIS system or requiring a lot of reconfiguration. We can use our "Basic Emission Block" approach for EMIS implementation in any simple or complex industrial and commercial set-up such as oil & gas, petrochemical, chemical process, pharmaceutical, or mechanical manufacturing industry.
2. For an internet based platform, most of our system design services are provided from our main offices based in Verona, Wisconsin. We will schedule onsite visits to the client's offices and facilities to gauge EMIS design needs as per project requirements.
3. Our approach is aligned with corporate sustainability initiatives to reduce carbon foot print by minimizing travel and making full use of IT technology based communication and virtual meeting channels.
4. Contact us for a web-based presentation to explain our system design approach and to better understand your needs.



The screenshot displays an Excel spreadsheet titled "CLIMATE LEADERS ANNUAL GHG INVENTORY SUMMARY AND GOAL TRACKING FORM". The spreadsheet is organized into several sections:

- Company Information:** Fields for Name, Address, City, State, Zip, and Fax Number.
- Reporting Period:** Base Year, Year 1 through Year 9, and Total.
- Corporate Inventory - U.S.:** A table with columns for Base Year, Year 1-9, and Total. Rows include:

Category	Base Year	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Total
Scope 1: Combustion Sources	6,400,000	6,400,000									6,400,000
Scope 2: Purchased Electricity	10,000	10,000									10,000
Scope 3: Other Indirect Emissions	0	0									0
Total	6,410,000	6,410,000									6,410,000
- Summary:** A section at the bottom with fields for "Users Instructions", "Summary Form", "PLM/PLData", "Mapping", "CO2e Emissions Sp.", "CO2e", and "Date To: 12/31/2009".

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