

Carbon Compliance Services

Recent political developments have made the enactment of Federal legislation directing the reduction of carbon dioxide and other greenhouse gases a near certainty. However, the form (carbon tax, allowance auction) and point of implementation (fuel supplier or ultimate emitter) that legislation might take is still subject to extensive debate.

As the legislation takes form, it will be increasingly important that those entities subject to carbon legislation be aware of its potential impacts and take appropriate measures to ensure that their owners and/or ratepayers are not financially overburdened by the resulting regulations. This can be done first by remaining aware of the various legislative packages being considered and by quantifying the financial and environmental impacts of each.

Once the form of the legislation to be enacted becomes evident, the development of appropriate compliance strategies (energy efficiency, emissions reductions, sequestration, purchase of allowances, or purchase/development of offsets) will become paramount.

GDS offers a full spectrum of carbon compliance consulting services to state and federal energy and environmental agencies, investor-owned utilities, rural electric cooperatives, municipal electric utilities, companies seeking to reduce their carbon footprints, and private investor-aggregators.



The GDS team of engineers, consultants, energy auditors, agricultural advisors, and forest and land use managers provides expertise in electricity and fossil fuel use reduction, renewable energy, biogas and biomass fuel development, and livestock, crop, and forestry production.

GDS staff are certified offset verifiers for energy efficiency projects under the CCX. Our staff includes certified Carbon Reduction Managers qualified to support project development under the guidelines of the Regional Greenhouse Gas Initiative (RGGI) and the Chicago Climate Exchange (CCX).

Following is a listing of the carbon compliance services GDS provides:

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UTILITY CARBON COMPLIANCE AND OFFSET CONSULTING

- Carbon compliance policy, regulations, and evolving issues monitoring
- Generating unit and generation system efficiency improvements
- Client-specific compliance strategies development and regulatory response support
- Carbon compliance, management, and reduction program development and implementation support
- Carbon tracking / footprint analysis
- Carbon generation and physical sequestration consultation
- Agricultural, industrial, social, and internal carbon credit generation forecasting
- Technology evaluations
- Carbon offset planning and verification
- Carbon market and investment consulting
- Carbon sequestration and impact reduction strategies including tree planting and energy efficiency, etc.



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CCX CHICAGO CLIMATE EXCHANGE AND RGGI CERTIFICATION

- Certify energy efficiency offset units for sale on CCX
- Aggregate credits
- Expertise on RGGI standards and compliance

OFFSET PROGRAM IMPLEMENTATION

- Experience and expertise in both the agriculture and forestry industries
- Equipped to develop and implement comprehensive carbon compliance programs to meet industry and utility needs

AGRICULTURE EXPERTISE IN CARBON CREDIT GENERATION

- Electrical engineering
- Farm energy efficiency evaluation
- Farm renewable electricity options
- Farm-based renewable thermal energy production
- Crop utilization for carbon sequestration
- Waste handling and manure management to achieve methane offsets
- Sustainable agriculture
- Energy independence on the farm
- Carbon accounting and renewable energy crediting



FORESTRY AND LAND USE PLANNING EXPERTISE FOR CARBON SEQUESTRATION

GDS can help develop plans to better manage right-of way and land holdings to help meet compliance requirements and develop carbon credit generation including:

- Land use planning
- Right-of-way vegetation sequestration
- Timber management



RENEWABLE ENERGY INVESTIGATION

GDS can identify and investigate potential renewable energy use and production opportunities for individual and territory-specific industrial, agricultural, municipal, commercial and residential applications. Renewable energy and carbon off-set areas include:

- Ethanol and bio-diesel fuels
- Wind energy
- Bio-mass use
- Anaerobic digestion and biogas
- Landfill gas-fired generation
- Solar Photovoltaic and Solar Thermal



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