



Renewable Energy and Green Power Strategy



ICF International's energy practice supports private and public sector clients by providing economic and technical services and policy analyses that enhance our clients' ability to make the best strategic and resource development decisions. Using our integrated suite of analytical tools and power market expertise we can help clients design and analyze effective renewable energy and energy efficiency programs.

- Integrating renewable energy and energy efficiency in emissions reductions strategies
- Analysis of trading programs for renewable energy credits and air emissions
- Due diligence and financing support
- Siting and transmission assessments
- Environmental and economic impact analysis
- Regulatory and analytical support
- Legislative and economic barriers to entry
- Supply options for green power in wholesale and retail markets

ICF International is the recognized industry leader in helping clients understand, design, and analyze energy markets, renewable energy, and energy efficiency programs. ICF International integrates unsurpassed expertise in the energy sector with the best analytical tools available to evaluate a broad range of issues related to renewable energy. From broad analyses of renewable portfolio standards, to detailed market assessment, to the development of business plans, ICF can help you define and analyze your green power strategy in both regulated and competitive energy markets.

Featured Projects

Strategic Green Power Options-Resource Assessment Major Mid-West Utility

ICF International analyzed innovative green power options from both the wholesale and retail perspective for a major Mid-West electric utility that was interested in using green power to develop additional market share. A renewable resource supply curve was developed by ICF to determine the quantity and cost of green power and other technologies' relative position among other green power suppliers in the utility's marketing region. By comparing regional resource availability and cost points with potential green power demand, ICF was able to help the client focus its development and marketing efforts on markets with the greatest potential.

Wind Plant Due Diligence and Market Projections Mid Atlantic Wind Plant Developer

ICF International developed a comprehensive market assessment to support negotiations for the construction of a wind plant in PJM. Using our proprietary Integrated Planning Model® [IPM], we analyzed renewable portfolio standards, green power demand, multipollutant legislation, production tax credits, accelerated depreciation, and unique financing structures. ICF incorporated this analysis into a projection of the market value of this large wind farm. Green Tag, emission market, and power market projections were made and rolled up into a cash flow analysis weighing the revenues, costs, and tax savings for the project. ICF provided the credibility and breadth of power and emission market knowledge required to help procure a purchaser of the project.

Green Power and Green Power Pricing Seminars and Workshops

Pacific Northwest Generating Cooperative (PNGC), Portland, Oregon and the American Municipal Power-Ohio (AMP-Ohio), Columbus, Ohio

ICF International presented workshops regarding all facets of green power and green power pricing to senior management of the power authorities and their member utilities and cooperatives. As a result, PNGC implemented a successful green pricing program through their member cooperatives, and AMP-Ohio contracted with green resources to offer in a green pricing program. The U.S. Atmospheric Pollution Prevention Division of the U.S. Environmental Protection Agency also participated in this work.

Landfill Methane Outreach Program (LMOP) U.S. Environmental Protection Agency (EPA)

ICF International supported EPA's effort to increase the number of landfill gas-to-energy (LFGTE) projects throughout the U.S by providing marketing assistance to facilitate project implementation to create positive local economic and environmental benefits and to reduce greenhouse gas emissions. ICF designed green pricing offerings and premiums for wholesale green energy buyers throughout the United States and also facilitated "green matches" among wholesale green energy buyers, energy marketers and providers, and LFGTE project developers. ICF supported EPA in conducting green power workshops at EPA's Annual Landfill Methane Outreach Program Conferences.

Green Power Emission Offset Valuation Work U.S. Environmental Protection Agency and Private-Sector Clients

ICF International has performed numerous analyses of emission offsets and their ability to increase profitability of green power projects. As the value of emission reductions is becoming more important in every projects' financial analysis, the opportunities offered by green power for offsetting various air emissions, such as nitrous oxides and volatile organic compounds, are also becoming increasingly important. ICF's green power emission offset valuation work has been presented to EPA and numerous private-sector clients.

Renewable Portfolio Impact Analysis Various State and Regional Agencies

ICF International, using our proprietary Integrated Planning Model® [IPM], analyzed the impact of renewable portfolio standards on several states and regions in the continental United States. Data on resource availability, cost and performance of renewable generation technology, and state versus regional trading of renewable energy credits were combined to develop integrated forecasts of renewable energy credit [REC] prices and impacts on system costs. IPM® is particularly well suited to assess the complexity of emission regulations and renewable portfolio standards, including current cost and performance data for both existing technologies and imminent technologies. Though IPM®, ICF provides our clients with continually accurate modeling forecasts of the green power resource market.

About ICF International

ICF International (NASDAQ: ICFI) partners with government and commercial clients to deliver consulting services and technology solutions in the energy, climate change, environment, transportation, social programs, health, defense, and emergency management 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 analysis and design through implementation and improvement. Since 1969, ICF has been serving government at all levels, major corporations, and multilateral institutions. More than 3,000 employees serve these clients worldwide. ICF's Web site is www.icfi.com.

To reach us or obtain further information about ICF International's services to the energy sector, call us at 703-934-3637, e-mail us at energy@icfi.com, or visit our Web site at www.icfi.com.

Steven Fine
1.703.934.3302
sfine@icfi.com

Juanita Haydel
1.703.934.3373
jhaydel@icfi.com