



Public Policy Analysis

ICF Consulting's diverse suite of energy-related services for public policy makers and public agencies includes:

- Energy Resource and Supply Assessments
- Regulatory Impact and Cost-Benefit Analysis
- Demand and Market Analyses
- Transmission Congestion and Power Flow Forecasts
- Environmental Analysis
- Renewable Energy Analysis
- Economic and Environmental Assessments
- Strategic Reserves Assessment
- Technology Assessment
- Risk Assessment
- Program Evaluation and Assessment
- Strategic Planning
- R&D Program Planning
- Leasing and Access Studies
- Technology Transfer and Knowledge Management
- Public-Private Partnerships
- Public Outreach
- Model Development and Support

Developing balanced and cost-effective public policy in energy and the environment requires a thorough and objective understanding of the needs and the perspectives of a diversity of unique stakeholders. ICF Consulting provides the objective analytical insights that have helped policy makers at the national, state, and local levels make informed decisions for more than 30 years.

ICF Consulting's extensive experience working directly for the energy industry provides valuable insights on the potential impacts of and responses to public policy initiatives. ICF Consulting's technical expertise and industry experience have led to its selection to assist public agencies in crafting public-private partnerships to achieve mutual goals. Our assessment and policy recommendations are based on an integrated suite of modeling and analytical tools developed over many years to assess energy related public policy issues.

Clients

- U. S. Environmental Protection Agency
- Federal Energy Regulatory Commission
- Western Governors' Association/ Western Regional Air Partnership
- Southern Appalachian Mountain Initiative
- U.S. Department of Energy
- Clean Air Task Force
- U.S. Department of Defense
- National Advisory Council for Environmental Policy and Technology
- Minerals Management Service

Featured Projects

Air Regulations and Multi-pollutant Policy Analysis

ICF Consulting has supported air policy and regulatory development for over 20 years. ICF Consulting supported the U.S. Environmental Protection Agency's (EPA) Clean Air Act Amendments, analyzing the potential economic impacts of the Title IV SO₂. More recently, ICF Consulting has supported EPA on analyzing the potential impacts of proposed NO_x regulations, including NO_x SIP Call and Section 126 Rulemaking.

ICF Consulting's analyses are supported by its analytic tools—in particular, the Integrated Planning Model[®] (IPM[®]), a sophisticated power and industrial boiler sector model. The IPM captures the unique interactions between power, fuel, and environmental markets while modeling the unique characteristics of every boiler and generator in the U.S. ICF Consulting continues to support clients in analyzing the economic, environmental, and electric generation impacts of controlling emissions of multi-pollutants (SO₂, NO_x, CO₂, and mercury) from power sector, utilizing IPM's unique forward-looking, inter-temporal optimization framework.

Featured Projects

FERC Regional Transmission Organizations Rulemaking

For the U.S. Federal Energy Regulatory Commission (FERC), ICF Consulting supported the environmental assessment of the impact of the Commission's Regional Transmission Organization rule (FERC Order 2000) on the electric sector. Later, in a subsequent assignment, ICF Consulting addressed the question of how regional transmission organizations would impact regional power markets in the United States in an economic cost-benefit analysis of the proposed FERC Regional Transmission Organization (RTO) structure.

Regional Haze Analysis

ICF Consulting recently supported the Western Regional Air Partnership/Western Governors' Association in analyzing the emission, and economic impacts of alternative scenarios of controlling regional haze problem through reductions in SO₂ emissions from electric and industrial sources in nine western states and tribal areas, by combining the Integrated Planning Model (IPM[®]) and Regional Economic Models, Inc. (REMI).

Carbon Analysis

ICF Consulting analyzes the economic and environmental impacts of alternative carbon strategies, carbon trading, and early reduction credits, and the issues related to baseline development.

Gas Systems Analysis Model

For the U.S. Department of Energy, ICF Consulting developed the Gas Systems Analysis Model™ (GSAM) to analyze the market and the price impacts of changes in gas supply, infrastructure, technology, prices, and environmental regulation.

Offshore Oil and Gas Industry Analysis

ICF Consulting is currently conducting an extensive survey of labor and socioeconomic impacts of offshore (GOM) oil and gas industry operations for U.S. Minerals Management Service.

Regulatory Planning – Infrastructure Development

ICF Consulting assisted the state public utility commission in understanding the implications of power plant siting on larger infrastructure and economic issues. The analysis included a detailed review of the statewide power infrastructure including the transmission and gas pipeline infrastructure. We reviewed the potential economic impacts on consumers and producers related to alternate policy decisions. Criteria for evaluating the impacts were considered and recommendations for criteria review for new facility siting were provided.

Gas and Petroleum Technology Support

ICF Consulting has provided strategic, technical, analytical, planning, and program implementation support to the U. S. Department of Energy (DOE) Office of Natural Gas and Petroleum Technologies.

Biomass and Other Renewable Electric Power Analysis

ICF Consulting analyzes various strategies to increase biomass and other renewable electric power generation, independently and in combination with other regulatory strategies. ICF Consulting has recently assessed the potential role of biomass co-firing and analyzed legislative and technological barriers to biomass use. ICF Consulting has also developed a biomass business plan for a developer which analyzed the role of biomass in meeting multi-pollutant emission policies; and estimated the penetration of biomass and other renewable fuels in electric power generation.

U.S. Strategic Petroleum Reserves Support and Analysis

ICF Consulting provides economic and technical support to the DOE Office of Strategic Petroleum Reserves to assess optimal reserve size, organization structure, and optimal draw down rates and capabilities.

About ICF Consulting

ICF Consulting is a leading management, technology, and policy consulting firm. Drawing upon extensive industry knowledge, distinguished professionals, and innovative analytics, the firm develops solutions to complex energy, environment, emergency management, community development, and transportation issues. ICF Consulting's approach to these issues is strengthened by its expertise in information technology, organizational improvement, program management, and communications. Since 1969, ICF Consulting has been serving major corporations, government at all levels, and multinational institutions. More than 1,000 employees serve these clients from key business centers in the Americas, Europe, and Asia Pacific.

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