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International Resources Group
1211 Connecticut Ave. NW, Suite 700
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Energy System Planning Modeler and Analyst

International Resources Group (IRG) seeks an experienced modeler or operations research professional with a background in industrial process modeling to assist with development and application of MARKAL/TIMES models. The Analyst will characterize industrial processes for assessment of potential energy efficiency and process improvements in a suite of domestic and international models.

IRG provides technical and policy assistance to examine the increasingly pressing nexus of energy security, economic development, and the environment, including climate change. IRG does so for a wide range of clients including USAID, international donor organizations, branches of the US and foreign governments, as well as the private sector. The practice has two main disciplines: conducting assessments of policy issues using MARKAL/TIMES models built by those on our team, and capacity building involving the eventual training and transfer of models built by the IRG team in close cooperation with local institutions for integration into the planning process in those countries.

Responsibilities:

- Conduct research on a variety of topics related to quantitative analysis of energy, climate change, air quality, and/or regional economics (e.g., emerging technologies, capital costs, consumer behavior)
- Manage and/or develop data sets, key assumptions, and other inputs for the integrated energy planning models
- Work in partnership with donors, governments, clients, and others to build credibility of analytic data and assumptions
- Perform modeling runs and sensitivity analyses of various energy and environment policy issues
- Interpret and validate analytic and modeling results, and conduct quality control
- Prepare training materials and participate as an instructor and mentor for new users to assist with capacity building activities
- Oversee and/or draft written and web-based materials to communicate analytic results to broader policy audiences, with an emphasis on communication of policy implications to non-technical audiences
- Present results and findings to policymakers, stakeholders, and other key audiences

Qualifications:

- Advanced degree, preferably in economics, public policy, engineering, operations research, statistics, or a closely-related quantitative field
- Experience in policy analysis, systems analysis, and/or quantitative analysis and modeling, with a particular emphasis on industrial processes
- Demonstrated experience and ability to work effectively within interdisciplinary teams, and with external stakeholder
- Must be flexible, highly organized, and able to work with high degree of independence and attention to detail

- Proficiency in Microsoft Office and internet applications

How to apply: Send resume, cover letter, and references to energyexperts@irgltd.com with **Energy Modeler – MIT** in the subject line.

International Resources Group (IRG) is an international professional services firm that helps governments, the private sector, communities, and households manage critical resources to build a cleaner, safer, and more prosperous world. Since its inception in 1978, IRG has completed over 750 contracts in 137 countries, delivering high-quality, cost-effective services that promote positive economic growth, institutional and social change, and intelligent use of resources – human, physical, environmental, and financial. Please visit our website at www.irgltd.com to learn more about IRG.

IRG is an Equal Opportunity Employer and encourages applications from all qualified individuals regardless of race, religion, national origin, sexual orientation, or disability.

