



The Integrated Planning Model



The following regions are modeled currently:

IPM® AMERICAS

United States Canada
Mexico Dominican Republic
Brazil

IPM® ASIA

China Indonesia
Japan South Korea
Singapore Thailand
Philippines India

IPM® AUSTRALIA

IPM® EURASIA

Armenia Azerbaijan
Georgia Russia

IPM® EUROPE

Albania Lithuania
Andorra Luxembourg
Austria Macedonia
Belarus Monaco
Belgium Montenegro
Bosnia/Herzegovina Netherlands
Bulgaria Norway
Croatia Poland
Czech Republic Portugal
Denmark Romania
Estonia San Marino
Finland Serbia
France Slovakia
Germany Slovenia
Greece Spain
Hungary Sweden
Ireland Switzerland
Italy Turkey
Latvia Ukraine
Liechtenstein United Kingdom

IPM® MIDDLE EAST

Bahrain Saudi Arabia
Oman United Arab Emirates
Qatar

Across the world, ICF International's Integrated Planning Model (IPM®) is utilized to examine a broad variety of issues facing the electric power sector. **IPM** considers all aspects of wholesale generation resources, power system reliability, environmental compliance, fuel use, transmission capability, capacity requirements, demand forecasting, and other fundamental issues in developing forward forecasts for plant dispatch, power prices, capacity and transmission expansion, least-cost planning, compliance planning, and asset valuation. IPM is unique in its ability to capture detailed information of the power grid including representations of the operating characteristics of individual electric boilers and generators, while considering a long-term horizon.

IPM is the premier modeling tool for both the **private** and **public** sectors and is extremely versatile in the issues it addresses. IPM empowers **private**-sector users to make informed decisions in an uncertain power market that will impact not only company operations but also bottom line profits. **Public**-sector clients rely on IPM to analyze policy and regulatory issues and consider the costs and benefits of alternate proposals. In the environmental policy arena, IPM is the principal analytical tool used by the federal government to measure the impact of air quality issues on the power sector and has been used in all major U.S. Government generation sector analysis.

IPM® Is Used In A Wide Range Of Applications That Can Make Difficult Decision Making Easier And Enhance Your Bottom Line

IPM® for the Private Sector

- Asset Financing Support
- Asset Investment Costs
- Asset and Allowance Allocations
- Plant Compliance Decisions

Private-Sector Clients

- International Financial Community – Banks and Rating Agencies
- U.S. Power Companies
- European Power Companies
- Polish Power Grid
- Coal Companies
- Rail Companies

IPM® for the Public Sector

- Policy Design
- Policy Impacts and Costs
- Technology Penetration
- Renewable Energy Analysis

Public-Sector Clients

- The Federal Energy Regulatory Commission
- U.S. Environmental Protection Agency
- U.S. Agency for International Development

Member Organizations

- Edison Electric Institute
- Electric Power Research Institute

Passion. Expertise. Results.

IPM® Modeling Structure



IPM® – The Integrated Solution

IPM delivers value to your bottom line by providing an integrated system that allows market participants to manipulate ICF forecasts or to develop their own forecasts—taking into account each market participant's own unique data. IPM is linked to other ICF systems such as the Energy Asset Decision Support System (EADSS™) model and also is used in conjunction with third-party models such as Maps® and PowerWorld® Simulator.

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 2,500 employees serve these clients worldwide. ICF's Web site is www.icfi.com.

For more information, email energy@icfi.com or contact:

Americas

Maria Scheller
+1.703.934.3372
mscheller@icfi.com

Europe

John Blaney
+44.20.7092.3000
jblaney@icfi.com

Asia

Bishal Thapa
+91.4354.3002
bthapa@icfi.com