

PREFACE

The National Energy Modeling System: An Overview 2003 provides a summary description of the National Energy Modeling System (NEMS), which was used to generate the forecasts of energy production, demand, imports, and prices through the year 2025 for the *Annual Energy Outlook 2003 (AEO2003)*, (DOE/EIA-0383(2003)), released in January 2003. *AEO2003* presents national forecasts of energy markets for five primary cases—a reference case and four additional cases that assume higher and lower economic growth and higher and lower world oil prices than in the reference case. The *Overview* presents a brief description of the methodology and scope of each of the component modules of NEMS. The model documentation reports listed in the appendix of this document provide further details.

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AEO2003

Integrating Module/Carbon Emissions
Macroeconomic Activity Module
International Energy Module
Residential Demand Module
Commercial Demand Module
Industrial Demand Module
Transportation Demand Module
Electricity Market Module
Renewable Fuels Module
Oil and Gas Supply Module
Natural Gas Transmission and Distribution Module
Petroleum Market Module
Coal Market Module

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AEO2003 is available on the EIA Home Page on the Internet (<http://www.eia.doe.gov/oiaf/aeo/index.html>). Assumptions underlying the projections are available in *Assumptions to the Annual Energy Outlook 2003* at <http://www.eia.doe.gov/oiaf/aeo/assumption/index.html>. Tables of regional projections and other underlying details of the reference case are available at <http://www.eia.doe.gov/oiaf/aeo/supplement/index.html>. Model documentation reports and *The National Energy Modeling System: An Overview 2003* are also available on the Home Page at <http://www.eia.doe.gov/bookshelf/docs.html>.

For ordering information and for questions on energy statistics, please contact EIA's National Energy Information Center.

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