

2007 EIA Energy Outlook, Modeling, and Data Conference

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and Data Conference
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Guy Caruso, EIA Administrator

Energy Information Administration 
Official Energy Statistics from the U.S. Government

What is EIA's Mission?

- Provide high-quality, policy-neutral energy information to meet requirements of Congress, Federal Government, markets, and the public in manner that promotes sound policymaking, efficient markets, and public understanding
- EIA is Meeting this Challenge
 - EIA's transparent approach, methodology, and presentation of results for each of its products has gained the trust of Congress, Administration, and public at a time when energy issues are at the forefront of public discourse
 - EIA's customers recognize that EIA does not develop or advocate policy positions, even though it often assists the Congress and Administration with analyses and statistics

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EIA's Core Program

- Collect, compile and publish reliable energy data, information, and analyses
- Produce short and medium-term energy projections
- Analyze impact of proposed energy programs and policies
 - Prepare Service Reports for Congress
 - In FY'06 presented 14 testimonies and 35 briefings for Congress
 - Prepare special analyses on energy issues and legislation for the Secretary

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Highlights of EIA's FY 2007 Program

- Redesign key petroleum and natural gas surveys
- Improve global oil and gas modeling capabilities
- Begin development of monthly ethanol and biofuels data collections
- Continue 2 petroleum marketing surveys
 - EIA-856 Monthly Foreign Crude Oil Acquisition Report
 - EIA-182 Domestic Crude Oil First Purchase Report
- Begin scoping and redesign activities on features to be included in a next-generation U.S. Energy model to help in the evolution of the current National Energy Modeling System

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Next Generation U.S. Energy Model

- NEMS developed in early 1990s
- Markets have evolved and NEMS model has evolved with them whenever possible
- Model to be developed starting from the current NEMS
- Solicited advice from stakeholders on possible enhancements
- Stakeholders recommended new features/enhancements
 - Extend time horizon
 - Add technological and program detail
 - Enhance integration with world models
 - Add more regional detail
 - Enhance treatment of infrastructure
 - Reconsider the treatment of consumer choice and foresight

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Some Specific Modeling Topics

- Hydrogen markets
- Improved representation of world energy markets
- Offshore wind
- Transmission characteristics
- Improved solution time

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Forecast Publications and Documentation

- *Annual Energy Outlook 2007 (AEO2007)*
- Assumptions for the *AEO2007*
- Supplemental tables to the *AEO2007*
- Detailed NEMS documentation by module
- AEO web page:
 - www.eia.doe.gov/oiaf/forecasting.html
- Short-Term Energy Outlook web page:
 - <http://www.eia.doe.gov/emeu/steo/pub/contents.html>

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Outreach and Quality Control

- Energy Outlook, Modeling, and Data Conference
 - Focus on model structure, *AEO2007* and Short-Term Energy Outlook projections, data surveys, and identifying key energy issues
 - Need participation by attendees to help us identify important issues and trends that should be considered
- Working group meetings for Government users
- Focus groups on selected topics
- Independent Expert Reviews

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Conference Overview

- Overview *AEO2007*: John Conti, Director, EIA's Office of Integrated Analysis and Forecasting
- Keynote Address – "The New World of Biofuels--Implications for Agriculture and Energy" by Dr. Keith Collins, Chief Economist, U.S. Department of Agriculture
- 3 concurrent sessions

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Concurrent Session Topics

- Varying Views on the Future of the Natural Gas Market
- Creating a Path to Home Grown Liquids Fuels
- Short Term Transportation Fuels Outlook
- Renewable Incentive Policy Options
- Unconventional Oil Supply: How Much, When, and to What Effect?
- Electricity 2008—The Changing Face of EIA's Electric Power Surveys
- Greenhouse Gas Reduction Strategies
- Opportunities and Issues for Ethanol and Biodiesel in the U.S. Transportation Market
- Mid-to-Long Term International Outlooks

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Thank you

Energy Information Administration
www.eia.doe.gov

Guy F. Caruso
Guy.Caruso@eia.doe.gov
202-586-4361

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