

# **EIA's Role in Energy Economics**

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# **EIA Products and Services**

- **Data Products**
- **Analysis Products**
- **Forecasting Products**
- **Education Products**
- **Documentation Products**
- **Dissemination Services**
- **Quality Control Services**

# EIA Data Collection Programs

- Petroleum Supply
- Petroleum Marketing
- Natural Gas
- Oil & Gas Reserves and Production
- Electric Power
- Coal
- Nuclear
- Renewables and Alternate Fuels
- Greenhouse Gases
- Energy Consumption
- Financial Reporting

# Analysis Products

- **EIA analyzes energy issues using data from EIA surveys and other sources**
  - Periodic analysis of important energy issues
  - Ongoing updates following energy developments around the world
- **Conducting analysis helps EIA to maintain the quality of the data by**
  - keeping EIA abreast of changing energy markets
  - helping EIA discover limitations and weaknesses in the data that can be addressed

# ***Short-Term Energy Outlook***

- Monthly forecast of U.S. supply, demand, imports, stocks, and prices of various forms of energy
- Annually produces the *Summer Motor Gasoline Outlook* and the *Winter Fuels Outlook*
- The short-term model has been expanded to include more regional detail, which will provide greater depth, consistency, relevance, and credibility to forecasts

# ***Annual Energy Outlook and International Energy Outlook***

- The *AEO* is EIA's annual mid-term forecast of U.S. energy supply, demand, prices, and emissions
- Includes a policy-neutral reference case and multiple alternative scenarios
- The *IEO* looks at international energy demand and trade and carbon dioxide emissions
- For 2006, both are being extended from 2025 to 2030

# Education Products

- Information and educational products targeting adults and kids
- Aimed at providing energy information in layman terms in an easy-to-use format
- Topics reflect issues on which EIA gets frequent inquiries
  - Energy Information Sheets - Quickstats
  - References - Kid's Page
  - Energy Education Resources - Infocards
  - Brochures
    - › *Residential Heating Oil Prices: What Consumers Should Know*
    - › *Primer on Gasoline Prices*
    - › *Residential Gas Prices : Information for Consumers*
    - › *Propane Prices: What Consumers Should Know*
    - › *Where Does My Gasoline Come From?*
    - › *Greenhouse Gases, Climate Change and Energy*

# Dissemination via the Internet Provides Ready Access to Energy Information

- Between April 2004 and April 2005, EIA's website had 16.4 million unique users
- Internet traffic in May 2005 was almost 1.9 million customers
- EIA's five most popular products/subjects on the website are:
  1. Country Analysis Briefs
  2. The Kid's Page
  3. *Weekly On-Highway Diesel Prices*
  4. International Energy Statistics
  5. *Gasoline and Diesel Fuel Update*



# Quality Initiatives

## INTERNAL

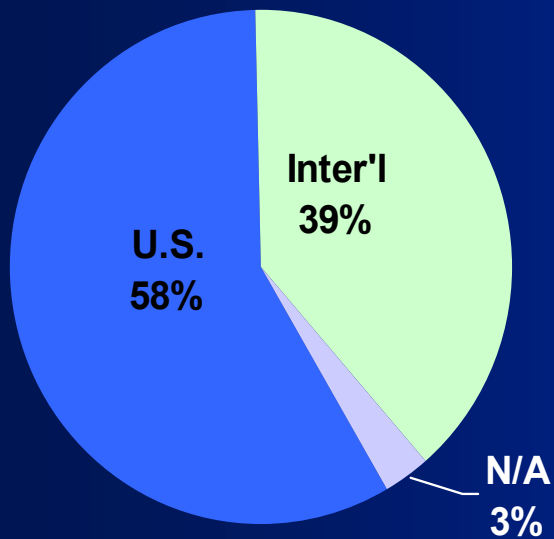
- Update frames
- State of the data evaluations
- Review of model documentation
- Monitor customer satisfaction
- Monitor timeliness of information
- Sharing best practices

## EXTERNAL

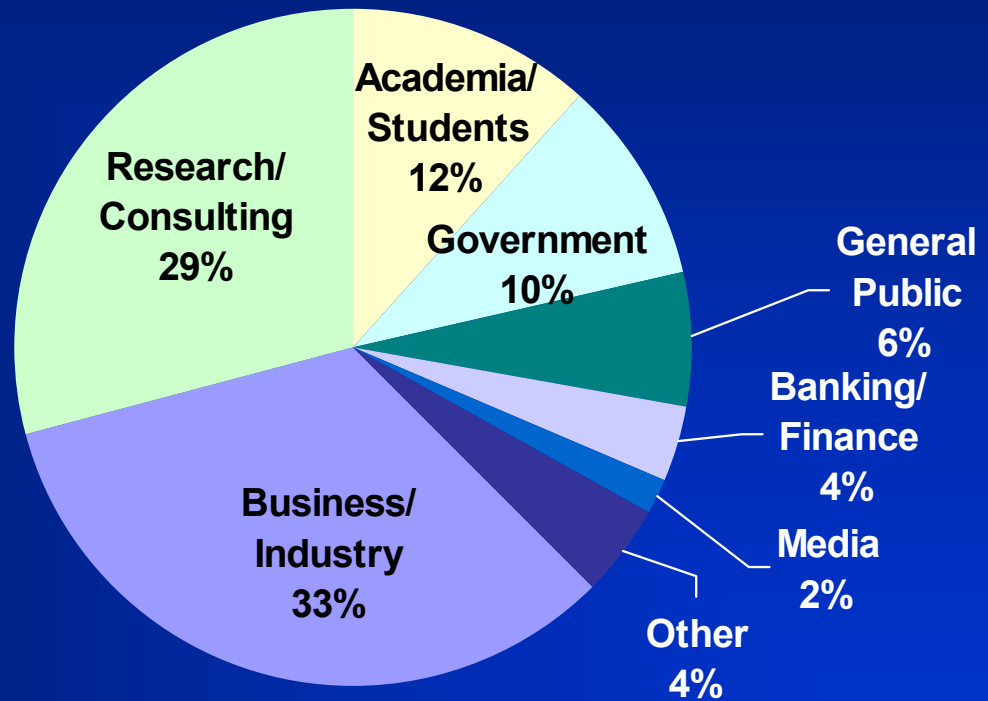
- Semi-annual advice from the American Statistical Association
- Independent Expert Reviews
- Usability testing

# Who Are EIA's Customers?

## Customers by Country



## Customers by Sector



**Question: Do EIA products affect the petroleum and natural gas markets?**

**Answer: Yes**

# Example #1: NYMEX Light, Sweet Crude Oil (WTI) Near-Month Futures Contract on January 28 (Wed.) & 29 (Thurs.), 2004

Comdty **GIP**

Enter 'GIP D' for day, 'GIP N' for night, 'GIP B' for both.

**2-DAY CHART** CL1 -- Generic 1st 'CL' Future

USD

JAN 29

Hi 33.62 Lo 32.41 Op 33.62 #Ticks 7552 14:46 s

**32.81**

**-.81**



Australia 61 2 9777 8600 Brazil 5511 3048 4500 Europe 44 20 7330 7500 Germany 49 69 920410  
 Hong Kong 852 2977 6000 Japan 81 3 3201 8900 Singapore 65 6212 1000 U.S. 1 212 318 2000 Copyright 2004 Bloomberg L.P.  
 H136-1152-1 03-Feb-04 9:02:31



# Example #2: NYMEX Henry Hub Natural Gas Near-Month Futures Contract on January 28 (Wed.) & 29 (Thurs.), 2004

Comdty **GIP**

Enter 'GIP D' for day, 'GIP N' for night, 'GIP B' for both.

**2**-DAY CHART NG1 -- Generic 1st 'NG' Future

USD

JAN 29

Hi 5.740 Lo 5.570 Op 5.750 #Ticks 3712 14:46 s **5.659** **-.081**



High on 01/28 10:01 5.900  
 Average 5.719  
 Low on 01/29 11:03 5.570  
 Prev. Close ----- 5.656

Australia 61 2 9777 8600 Brazil 5511 3048 4500 Europe 44 20 7330 7500 Germany 49 69 920410  
 Hong Kong 852 2977 6000 Japan 81 3 3201 8900 Singapore 65 6212 1000 U.S. 1 212 318 2000 Copyright 2004 Bloomberg L.P.  
 H136-1152-1 03-Feb-04 9:03:38



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Energy Information Administration, visit  
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