Energy Briefing & Forecasts

Intelligence

Unit

The Economist

Deep data, forecasts, and analysis for the energy sector in 69 countries

Energy Briefing & Forecasts provides forecasts up to 2020 and news analysis for 69 of the world's most important energy markets. It supports users in comparing supply and demand potential and deepens their understanding of how economic and political developments will impact the energy sector.

Energy Briefing & Forecasts has been developed in association with the International Energy Agency (IEA), combining internationally-comparable historic data from the IEA with the Economist Intelligence Unit's economic, political, and industry forecasts.

Updated daily, Energy Briefing enables organisations to assess the market potential for their services, and assess risks and opportunities presented by different countries.



Energy Briefing provides answers to the questions facing energy companies as they develop their strategies and grow their businesses around the world:

- What is the supply and demand outlook for an individual country?
- How do forecasts compare between countries or regions and across consuming sectors, such as industry and residential?
- What is the relationship between changes in the energy mix and carbon emissions?
- How is a country's energy profile developing in relation to its economy and demographics e.g., is its "energy intensity" rising or falling?
- How is China's economic growth likely to impact carbon emissions?
- What are my competitors doing and where?

EIU answers these questions through a blend of daily events analysis, critical issues coverage, custom industry forecasts, and dossiers on the key companies in the energy sector.

Critical issues and events analysis

Energy Briefing & Forecasts provides regularly updated coverage of the key events and critical themes affecting the energy sector. Our deep analysis combines our views on the industry's latest issues with our assessment of forthcoming developments and gives you a detailed overview of the sector worldwide. Our coverage includes:

- Daily analysis of the latest events and industry developments.
- Our views on the industry's hot topics.
- Background and profiles of the energy sector in each country covered.
- The outlook for the sector in the region where you operate.

Easily compare industry forecasts and data

All the data and forecasts are standardised, so you can make direct comparisons across countries and regions. For example, you can compare the biodiesel production for the next ten years in the US with the same data series for Brazil.

A unique forecasting methodology

Content for this service is produced in conjunction with econometric models developed and maintained by our in-house economics team. These models incorporate the main economic drivers of the energy sector to produce country-specific forecasts. Our team of 160 in-house country and industry analysts monitors these derived baseline forecasts, adjusting the outlook where necessary and taking into account our extensive local knowledge of the market. The Economist Intelligence Unit ensures that robust econometric modeling techniques and deep country and industry expertise combine to provide the best possible forecasts.

Industry sub-sectors

The service also provides coverage of the main sub-sectors in the energy industry. Each sub-sector has a dedicated site.

- 🗕 Oil & Gas
- Electricity
- Nuclear
- Cool
- Alternatives
- 🗕 Coal

Which data series are included?

Energy Mix

By fuel: Gross domestic energy consumption (ktoe) Petroleum Products: Gross domestic energy consumption (ktoe, % of total) Natural Gas: Gross domestic energy consumption (ktoe, % of total) Electricity (net imports): Total primary energy supply (ktoe, % of total) Coal: Gross domestic energy consumption (ktoe, % of total) Nuclear: Gross domestic energy consumption (ktoe, % of total) Hydro: Gross domestic energy consumption (ktoe, % of total) Geothermal: Gross domestic energy consumption (ktoe, % of total) Combustible renewables and waste: Gross domestic energy consumption (ktoe, % of total) Solar/wind/other: Gross domestic energy consumption (ktoe, % of total) By sector:

Electricity: Energy consumption (ktoe, % of total) Industry: Energy consumption (ktoe, % of total) Transport: Energy consumption (ktoe, % of total) Residential: Energy consumption (ktoe, % of total) Commercial and public services: Energy consumption (ktoe, % of total) Other: Energy consumption (ktoe, % of total)

Electricity

Demand:

Gross domestic electricity consumption (GWh) Electricity: Gross domestic energy consumption (% change y/y)

Capacity:

Net maximum electrical capacity (Mwe) Electricity capacity: Nuclear (Mwe) Electricity capacity: Hydro (Mwe) Electricity capacity: Other non-hydro renewables (Mwe) Electricity capacity: Geothermal (Mwe) Electricity capacity: Solar (Mwe) Electricity capacity: Tide/Wave/Ocean (Mwe) Electricity capacity: Wind (Mwe)

Electricity capacity: Combustible Fuels (Mwe)

Generation:

Gross Electricity Generation (GWh) Electricity generation: Combustible Fuels (GWh) Electricity generation: Coal (GWh) Electricity generation: Oil (GWh) Electricity generation: Natural Gas (GWh) Electricity generation: Nuclear (GWh) Electricity generation: Hydro (GWh) Electricity generation: Other non-hydro renewables (GWh) Electricity generation: Geothermal (GWh) Electricity generation: Solar (GWh) Electricity generation: Tide/Wave/Ocean (GWh) Electricity generation: Wind (GWh) Electricity generation: Other (GWh)

Foreign trade:

Electricity: Total imports (GWh) Electricity: Total exports (GWh) Electricity: Net imports (GWh)

Oil and petroleum products

Demand:

Petroleum products: Gross domestic consumption (ktoe) Petroleum products: Gross domestic consumption (% of total) Petroleum products: Gross domestic consumption (% change y/y)

Supply: Crude oil and NGL production (kb/d)

Foreign trade:

Crude oil and NGL: Imports (kb/d) Crude oil and NGL: Exports (kb/d) Crude oil and NGL: Net imports (kb/d) Petroleum products: Imports (kb/d) Petroleum products: Net imports (kb/d)

Natural gas

Demand: Natural Gas: Gross domestic energy consumption (ktoe) Natural Gas: Gross domestic energy consumption (% of total) Natural Gas: Gross domestic energy consumption (% change y/y)

Supply: Natural Gas Production (ktoe)

Foreign trade:

Natural gas: Total imports (ktoe) Natural gas: Total exports (ktoe) Natural gas: Net imports (ktoe)

Coal

Demand:

Coal: Gross domestic energy consumption (ktoe) Coal: Gross domestic energy consumption (% of total) Coal: Gross domestic energy consumption (% change y/y)

Supply: Coal: Coal Production (ktoe) Foreign trade: Coal: Total imports (ktoe) Coal: Total exports (ktoe) Coal: Net imports (ktoe)

Nuclear

Demand: Nuclear: Gross domestic energy consumption (ktoe) Nuclear: Gross domestic energy consumption (% of total) Nuclear: Gross domestic energy consumption (% change y/y)

Supply: Total number of reactors

Combustible renewables and waste

Demand: Combustible renewables and waste consumption (ktoe) Combustible renewables and waste consumption (% of total) Combustible renewables and waste consumption (% change y/y)

CO2 emissions

CO2 emissions Total CO2 emissions from fuel combustion (Mt of CO2) CO2 emissions: Coal (Mt of CO2) CO2 emissions: Oil (Mt of CO2) CO2 emissions: Natural gas (Mt of CO2) CO2 emissions: Other (Mt of CO2) CO2 emissions: Coal (% of total) CO2 emissions: Oil (% of total) CO2 emissions: Natural gas (% of total) CO2 emissions: Other (% of total) CO2 emissions: Coal (% change y/y) CO2 emissions: Oil (% change y/y) CO2 emissions: Natural gas (% change y/y) CO2 emissions: Natural gas (% change y/y) CO2 emissions: Other (% change y/y)

Kyoto indicators

Total CO2 emissions from fuel combustion (kg per US\$ 2005 GDP) Total CO2 emissions from fuel combustion (tonnes per head) Total CO2 emissions from fuel combustion (% of 1990 level) Gross domestic energy consumption (% of 1990 level)

Energy and carbon prices

Energy prices Oil (Brent): Nominal spot price (US\$) Oil (Brent): Nominal Price (LCU) Oil (Brent): Real Price (2005 LCU) Oil (Brent): Index (2005=100) Oil (WTI): Nominal spot price (US\$) Oil (WTI): Nominal Price (LCU) Oil (WTI): Real Price (2005 LCU) Oil (WTI): Index (2005=100) Oil (Dubai): Nominal spot price (US\$) Oil (Dubai): Nominal Price (LCU) Oil (Dubai): Real Price (Constant 2005 LCU) Oil (Dubai): Index (2005=100) Natural Gas (Henry Hub): Nominal spot price (US\$) Natural Gas (Henry Hub): Nominal Price (LCU) Natural Gas (Henry Hub): Real Price (Constant 2005 LCU)

Natural Gas (Henry Hub): Index (2005=100) Coal (Australian): Nominal spot price (US\$) Coal (Australian): Nominal Price (LCU) Coal (Australian): Real Price (Constant 2005 LCU) Coal (Australian): Index (2005=100) Heating Oil: Nominal spot price (US\$) Heating Oil: Nominal Price (LCU) Heating Oil: Real Price (Constant 2005 LCU) Heating Oil: Index (2005=100) Gasoline: Nominal spot price (US\$) Gasoline: Nominal Price (LCU) Gasoline: Real Price (Constant 2005 LCU) Gasoline: Index (2005=100) Gasoil: Nominal spot price (US\$) Gasoil: Nominal Price (LCU) Gasoil: Real Price (Constant 2005 LCU) Gasoil: Index (2005=100) Coal (South African): Nominal spot price (US\$) Coal (South African): Nominal Price (LCU) Coal (South African): Real Price (Constant 2005 LCU)

Coal (South African): Index (2005=100) Natural Gas (Europe): Nominal spot price (US\$) Natural Gas (Europe): Nominal Price (LCU) Natural Gas (Europe): Real Price (Constant 2005 LCU)

Natural Gas (Europe): Index (2005=100) Natural Gas (Russia): Nominal spot price (US\$) Natural Gas (Russia): Nominal Price (LCU) Natural Gas (Russia): Real Price (Constant 2005 LCU)

Natural Gas (Russia): Index (2005=100) UK Base Electricity: Nominal spot price (US\$) UK Base Electricity: Nominal Price (LCU) UK Base Electricity: Real Price (Constant 2005 LCU) UK Base Electricity: Index (2005=100)

Carbon prices

EUA Emissions: Nominal spot price (US\$) EUA Emissions: Nominal Price (LCU) EUA Emissions: Real Price (Constant 2005 LCU) EUA Emissions: Index (2005=100) CER Emissions: Nominal spot price (US\$) CER Emissions: Nominal Price (LCU) CER Emissions: Real Price (Constant 2005 LCU) CER Emissions: Index (2005=100)

Energy indices

Energy intensity

Energy intensity: Total energy consumption (toe per US\$m 2005 GDP) Energy intensity: Petroleum consumption (toe per US\$m 2005 GDP) Energy intensity: Natural gas consumption (toe per US\$m 2005 GDP) Energy intensity: Coal consumption (toe per US\$m 2005 GDP) Energy intensity: Nuclear power consumption (toe per US\$m 2005 GDP) Energy intensity: Total energy consumption per capita Energy intensity: Petroleum consumption per capita Energy intensity: Natural gas consumption per capita Energy intensity: Coal consumption per capita Energy intensity: Nuclear power consumption per capita

Energy security

Crude oil: Net imports (% of total consumption) Natural gas: Net imports (% of total consumption) Coal: Net imports (% of total consumption) Electricity: Net imports (% of total consumption)

Global energy indicators

Total gross domestic energy consumption (% of world total) Petroleum Products: Gross domestic energy consumption (% of world total) Natural Gas: Gross domestic energy consumption (% of world total) Coal: Gross domestic energy consumption (% of world total) Nuclear: Gross domestic energy consumption (% of world total) Hydro: Gross domestic energy consumption (% of world total) Geothermal: Gross domestic energy consumption (% of world total) Combustible renewables and waste: Gross domestic energy consumption (% of world total) Solar/wind/other: Gross domestic energy consumption (% of world total) Total CO2 emissions from fuel combustion (% of world total) CO2 emissions: Coal (% of world total) CO2 emissions: Natural gas (% of world total) CO2 emissions: Oil (% of world total)

Macroeconomy

Economic structure and stability GDP (% real change pa) Share of world GDP, at PPP (%) GDP per head (\$ at PPP) Nominal GDP (US\$) Real GDP (US\$ at 2005 prices) Real private consumption (US\$ at 2005 prices) Real government consumption (US\$ at 2005 prices) Real gross fixed investment (US\$ at 2005 prices) Real exports of G&S (US\$ at 2005 prices) Real imports of G&S (US\$ at 2005 prices) Real domestic demand (US\$ at 2005 prices) Consumer prices (% change pa; av) Exchange rate LCU:US\$ (av)

Demographics

Population Share of world population (%) Birth rate (per 1,000 pop) Urban population Households

Industry

Labour Force Average real wages (% change) Employment Unemployment Overall productivity of labour (GDP at PPP, per worker, US\$) Productivity of capital (ICOR) Industrial Production

Transport

Passenger car registrations (units) Passenger cars (stock per 1,000 pop) Commercial vehicle registrations (units) Total length of roads (km) Air transport (freight) (tonnes/km) Air transport (passengers)

Risk ratings weighted to the energy sector

Risk ratings are available for energy sub-sectors at a global and country level. These ratings allow you to rank and benchmark the operational risk in the countries or regions where you operate. Derived from the Economist Intelligence Unit's own standard operational risk model, Risk Briefing, ratings are weighted according to their impact on the energy industry. For example, the risk of disruption in the local infrastructure is weighted more heavily in the Oil sub-sector of Energy Briefing & Forecasts than in our standard model.

Understand global and local issues with extensive country coverage

Energy Briefing & Forecasts provides 69 industry-specific country pages. Every country page incorporates sub-sections on the energy industry in that country:

- Latest analysis—up-to-date analysis on key developments.
- Data—access to a data tool that provides key industry indicators and forecasts.
- **Reports**—the latest overview for the industry in each country.
- Forecasts—our latest industry forecast.
- Country sub-sectors—our analysis of industry sub-sectors in each country.

Energy Briefing & Forecasts delivers

- Daily updates for 69 countries.
- Global outlook reports, updated semi-annually, highlighting up-coming trends.
- Industry analysis by sector.
- Special industry reports.
- 41 company profiles updated regularly.
- 222 series for 69 countries from 1990-present.
- Five year forecasts.
- Energy industry profiles for each country.

Access choices:

- Enterprise access via IP control or username: Full Energy Briefing data and analysis at viewswire.com/energy
 EIU Data Tool for series selection at data.eiu.com
- Energy Indicators (data only) are also available separately on our partners' platforms: Bureau van Dijk at eiu.bvdep.com Alacra at eiu. alacra.com
- Online Store—semi-annual reports available at store.eiu.com

Interface features:

- Archives to 2002.
- One click reports.
- Downloadable Excel® tables.
- Series codes (Data Tool only).
- Series definitions. (Data Tool only).
- Analyst name and forecast date.
- Colour coding (Data Tool only).
- Automatic graphing (Data Tool only).
- Preset searches and saved searches (Data Tool only).

Which countries are covered?

- Algeria Angola Argentina Australia Austria Azerbaijan
- Brazil Belgium Bulgaria Canada Chad Chile China
- Colombia Czech Republic Denmark Ecuador Egypt
- Equatorial Guinea Finland France Germany Greece
- Hong Kong Hungary India Indonesia Iran Iraq Ireland
- Israel Italy Japan Kazakhstan Kuwait Libya Malaysia
- Mexico Netherlands New Zealand Nigeria Norway Oman
- Pakistan Philippines Peru Poland Portugal Qatar Romania
- Russia Saudi Arabia Singapore Slovakia South Africa
- South Korea Spain Sweden Switzerland Taiwan Thailand
- Trinidad & Tobago Turkey Venezuela Vietnam Ukraine
- United Arab Emirates United Kingdom United States of America

Americas

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